



NOTICE OF MEETING OF THE CARSON CITY REGIONAL TRANSPORTATION COMMISSION (RTC)

Day: Wednesday
Date: June 12, 2019
Time: Begins immediately after the adjournment of the Carson Area Metropolitan Planning Organization meeting that begins at 4:30 p.m.
Location: Community Center, Sierra Room, 851 East William Street, Carson City, Nevada

AGENDA

AGENDA NOTES: The Regional Transportation Commission is pleased to make reasonable accommodations for members of the public who are disabled and wish to attend the meeting. If special arrangements for the meeting are necessary, please notify Regional Transportation Commission staff in writing at 3505 Butti Way, Carson City, Nevada, 89701, or call Lucia Maloney at (775) 887-2355 at least 24 hours in advance.

For more information or for copies of the supporting material regarding any of the items listed on the agenda, please contact Lucia Maloney, Transportation Manager, at (775) 887-2355. Additionally, the agenda with all supporting material is posted under "Agendas & Minutes" at www.carson.org/agendas, or is available upon request at 3505 Butti Way, Carson City, Nevada, 89701.

1. ROLL CALL AND DETERMINATION OF A QUORUM

2. AGENDA MANAGEMENT NOTICE: The Chair may take items on the agenda out of order; combine two or more agenda items for consideration; and/or remove an item from the agenda or delay discussion relating to an item on the agenda at any time.

3. DISCLOSURES: Any member of the RTC Board may inform the Chair of his or her intent to make a disclosure of a conflict of interest on any item appearing on the agenda or on any matter relating to the RTC's official business. Such disclosures must also be made at such time the specific agenda item is introduced.

4. PUBLIC COMMENT: Members of the public who wish to address the RTC may approach the podium and speak on any matter relevant to or within the authority of RTC. Comments are limited to three minutes per person per topic. If your item requires extended discussion, please request the Chair to calendar the matter for a future RTC meeting. No action may be taken upon a matter raised under this item of the agenda until the matter itself has been specifically included on an Agenda as an item upon which action may be taken.

5. APPROVAL OF MINUTES:

5-A For Possible Action – Discussion and possible approval of the May 8, 2019 draft minutes.

6. PUBLIC MEETING ITEM(S):

6-A For Possible Action – Discussion and possible action regarding Cooperative Agreement No. PR279-19-063, between the Carson City RTC and the Nevada Department of Transportation (NDOT), for \$1,618,000, for the design and construction of a multi-use path along I-580 from Colorado Street to the Pete Livermore Sports Complex, and authorizing the Transportation Manager to execute the agreement and future amendments regarding term extensions or a change in amount up to 10%.

Staff Summary: The agreement will require a 5% local match of \$80,900, to leverage \$1,537,100 in Transportation Alternatives Program (TAP) funds for the construction of the Edmonds Multi-use Path project. Any public comment received during this public meeting will be considered and used to inform design, if the agreement is approved.

6-B For Possible Action – Discussion and possible action to determine that NV NJ Construction Group Inc. is the lowest responsive and responsible bidder pursuant to NRS Chapter 338 and awarding Contract No. 1819-237, CDBG College Parkway ADA Improvements Project, to NV NJ Construction Group Inc., for a total not to exceed amount of \$222,849.

Staff Summary: This project is 100% grant funded and includes but is not limited to removing existing curb, gutter, sidewalk, and AC pavement and installing new concrete curb ramps and driveway aprons. The construction contract is for the base bid amount of \$152,245, additive alternate bid #1 for \$10,530; additive alternate bid #2 for \$14,725; alternate bid #3 for \$25,090, and a 10% contingency amount of \$20,259, to be funded from the Community Development Block Grant (CDBG) fund Construction Account. The engineer's base bid estimate for construction was \$225,000.

6-C For Possible Action – Discussion and possible action to determine that Sierra Nevada Construction, Inc. is the lowest responsive and responsible bidder pursuant to NRS Chapter 338 and awarding Contract No. 1819-224, Goni Road Reconstruction Project, to Sierra Nevada Construction, Inc., for a total not to exceed amount of \$432,307.70.

Staff Summary: The Goni Road Reconstruction Project includes but is not limited to, full depth reconstruction of Goni Road between Arrowhead Drive and Boeing Way. The construction contract is for the base bid amount of \$393,007.00, plus a 10% contingency amount of \$39,300.70 to be funded from the RTC Fund Construction Account. The engineer's base bid estimate for construction was \$625,000.00.

6-D For Information Only – Informational presentation and discussion on traffic impacts and expectations resulting from the South Carson Street Complete Streets Project.

Staff Summary: Staff will present detailed traffic count information and findings from an independent Traffic Evaluation prepared for Carson City that assessed anticipated traffic impacts that may result from the South Carson Street Complete Streets Project. Design improvements resulting from the report will be presented.

6-E For Information Only – Informational presentation and discussion on Carson City’s Virginia and Truckee (V&T) Railroad Sales Tax Plan of Expenditure as it relates to upcoming roadway improvement projects.

Staff Summary: On November 1, 2018, the Carson City Board of Supervisors adopted an amended Plan of Expenditure for the V&T Railroad Sales Tax to expend unexpected, excess revenue derived from the sales tax to service debt on the City’s V&T Historical Refunding Bond. Staff will provide an informational presentation on the implications of the amended Plan of Expenditure for planned roadway capital improvement projects in Carson City.

6-F For Possible Action – Discussion and possible action regarding an Interlocal Agreement between Carson City and Douglas County, through which Carson City staff will provide technical support and maintenance of traffic signals and lighting in Douglas County, and authorizing the Transportation Manager to execute the agreement.

Staff Summary: Douglas County has requested certain services and technical support of the traffic signals throughout Douglas County. Carson City has specialized equipment and employs staff that are skilled in the repair and maintenance of highway traffic control equipment. Under separate interlocal agreements, Carson City currently provides similar services to Lyon County, Storey County, and the Nevada Commission for the Reconstruction of the V&T Railway.

7. INTERNAL COMMUNICATIONS AND ADMINISTRATIVE MATTERS - Non-Action Items:

- 7-A** Transportation Manager’s Report
- 7-B** Street Operations Activity Report
- 7-C** Project Status Report
- 7-D** Future Agenda Items

8. BOARD COMMENTS: For Information Only – Status reports and comments from the members of the RTC Board.

9. The Next Meeting is Tentatively Scheduled – 4:30 p.m., Wednesday, July 10, 2019, at the Sierra Room - Community Center, 851 East William Street.

10. PUBLIC COMMENT: Members of the public who wish to address the RTC Board may approach the podium and speak on any matter relevant to or within the authority of RTC. Comments are limited to three minutes per person per topic. If your item requires extended discussion, please request the Chair to calendar the matter for a future RTC meeting. No action may be taken upon a matter raised under this item of the agenda until the matter itself has been specifically included on an Agenda as an item upon which action may be taken.

11. ADJOURNMENT: For Possible Action

This agenda has been posted at the following locations on Thursday, June 6, 2019, before 5:00 p.m.:

City Hall, 201 North Carson Street
Community Center, Sierra Room, 851 East William Street
Carson City Library, Carson City Library, 900 North Roop Street
Carson City Public Works, 3505 Butti Way
Carson City Planning Division, 108 E. Proctor Street
Nevada Department of Transportation, 1263 S. Stewart Street, Carson City
City Website: www.carson.org/agendas
State Website: <https://notice.nv.gov>

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A regular meeting of the Carson City Regional Transportation Commission was scheduled to begin following adjournment of the Carson Area Metropolitan Planning Organization meeting on Wednesday, May 8, 2019 in the Community Center Sierra Room, 851 East William Street, Carson City, Nevada.

PRESENT: Chairperson Brad Bonkowski
 Vice Chairperson Mark Kimbrough
 Commissioner Lori Bagwell
 Commissioner Chas Macquarie
 Commissioner Greg Stedfield

STAFF: Lucia Maloney, Transportation Manager
 Dirk Goering, Senior Transportation Planner
 Daniel Anderson, Transportation Planner / Analyst
 Michael Reynolds, Transit Coordinator
 Jeff Freeman, Construction Manager
 Todd Reese, Deputy District Attorney
 Kathleen King, Chief Deputy Clerk

NOTE: A recording of these proceedings, the commission's agenda materials, and any written comments or documentation provided to the Clerk, during the meeting, are part of the public record. These materials are available for review, in the Clerk's Office, during regular business hours.

1. CALL TO ORDER AND DETERMINATION OF A QUORUM (5:27:03) - Chairperson Bonkowski called the meeting to order at 5:27 p.m. Ms. King called the roll; a quorum was present.

2. AGENDA MANAGEMENT NOTICE (5:27:31) - Chairperson Bonkowski introduced this item, and entertained modifications to the agenda. None were forthcoming.

3. DISCLOSURES (5:27:35) - Chairperson Bonkowski entertained disclosures; however, none were forthcoming.

4. PUBLIC COMMENT (5:27:43) - Chairperson Bonkowski entertained public comment. (5:27:59) Denny French advised that the schedule which is posted outside the Carson Nugget "is a little high for a person my height to read ... and to see the map ..."

5. ACTION ON APPROVAL OF MINUTES - April 10, 2019 (5:28:47) - Chairperson Bonkowski introduced this item, and entertained a motion. **Vice Chairperson Kimbrough moved to approve the minutes. Commissioner Bagwell seconded the motion. Motion carried 5-0.**

6. PUBLIC MEETING ITEMS:

6(A) DISCUSSION AND POSSIBLE ACTION TO DETERMINE THAT INTERMOUNTAIN SLURRY SEAL, INC. IS THE LOWEST RESPONSIVE AND RESPONSIBLE BIDDER, PURSUANT TO NRS CHAPTER 338, AND TO AWARD CONTRACT NO. 1819-221, FY 2019 LONG LINE PROGRAM, TO INTERMOUNTAIN SLURRY SEAL, INC. FOR A TOTAL NOT-TO-EXCEED AMOUNT OF \$241,087.37 (5:29:24) - Chairperson Bonkowski introduced this item. Construction Manager Jeff Freeman presented the agenda materials, and responded to questions of clarification. Chairperson Bonkowski entertained additional questions or comments of the commissioners and public comment. (5:35:22) Mr. Freeman and Chairperson Bonkowski responded to questions from

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Denny French regarding the slurry seal process. Mr. French suggested consideration be given to utilizing ground glass from the landfill for the slurry seal process.

Ms. Maloney introduced Mr. Freeman as the City's new construction manager, and provided background information on his experience. Chairperson Bonkowski called again for public comment and, when none was forthcoming, entertained a motion. **Commissioner Bagwell moved to determine that Intermountain Slurry Seal, Inc. is the lowest responsive and responsible bidder, pursuant to NRS Chapter 338, and to award Contract No. 1819-221, FY 2019 Long Line Program, to Intermountain Slurry Seal, Inc. for a total not-to-exceed amount of \$241,087.37. Vice Chairperson Kimbrough seconded the motion.** Chairperson Bonkowski entertained discussion on the motion and, when none was forthcoming, called for a vote. **Motion carried 5-0.**

6(B) DISCUSSION AND POSSIBLE ACTION TO APPROVE COOPERATIVE AGREEMENT NO. PR166-19-063, BETWEEN THE CARSON CITY RTC AND THE NEVADA DEPARTMENT OF TRANSPORTATION, FOR STREET IMPROVEMENTS ALONG AIRPORT ROAD, AND TO AUTHORIZE THE RTC CHAIR TO SIGN FUTURE AMENDMENTS TO THIS AGREEMENT REGARDING TIME EXTENSIONS OR A CHANGE IN THE VALUE OF FUNDING UP TO TEN PERCENT OF THE INITIAL FUNDING AMOUNT (5:39:25) - Chairperson Bonkowski introduced this item, and Ms. Maloney presented the agenda materials. Ms. Maloney and Mr. Reese responded to questions of clarification, and discussion followed. Chairperson Bonkowski entertained additional questions or comments of the commissioners and, when none were forthcoming, of the public. When no public comment was forthcoming, Chairperson Bonkowski entertained a motion. **Vice Chairperson Kimbrough moved to approve Cooperative Agreement No. PR166-19-063, and to authorize the RTC Chair to sign future amendments to this agreement regarding time extensions or a change in the value of funding up to ten percent of the initial funding amount. Commissioner Bagwell seconded the motion.** Chairperson Bonkowski entertained discussion on the motion and, when none was forthcoming, called for a vote. **Motion carried 5-0.**

6(C) DISCUSSION AND POSSIBLE ACTION TO APPROVE COOPERATIVE AGREEMENT NO. PR187-19-063, BETWEEN THE CARSON CITY RTC AND THE NEVADA DEPARTMENT OF TRANSPORTATION, FOR THE FAIRVIEW DRIVE RECONSTRUCTION PROJECT, FOR A TOTAL OF \$620,293, AND TO AUTHORIZE THE RTC CHAIR TO SIGN FUTURE AMENDMENTS TO THE AGREEMENT TO EXTEND THE TERM OF THE AGREEMENT AND INCREASE THE TOTAL AMOUNT TO AN AMOUNT NOT TO EXCEED \$710,000 (5:44:19) - Chairperson Bonkowski introduced this item, and Mr. Goering presented the agenda materials. Mr. Goering, Chairperson Bonkowski, and Ms. Maloney responded to questions of clarification. Chairperson Bonkowski entertained additional questions of the commissioners and public comment. When no questions or comments were forthcoming, Chairperson Bonkowski entertained a motion. **Commissioner Macquarie moved to approve Cooperative Agreement No. PR187-19-063, and to authorize the RTC Chair to sign a future amendment to increase the total estimated amount to no greater than \$710,000, between the Carson City RTC and the Nevada Department of Transportation, for the Fairview Drive Reconstruction Project, and to authorize the RTC Chair to sign future amendments to this agreement regarding time extensions. Commissioner Bagwell seconded the motion.** Chairperson Bonkowski entertained discussion on the motion and, when none was forthcoming, called for a vote. **Motion carried 5-0.**

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7. INTERNAL COMMUNICATIONS AND ADMINISTRATIVE MATTERS

7(A) TRANSPORTATION MANAGER'S REPORT (5:50:56) - Chairperson Bonkowski introduced this item. Ms. Maloney presented her report which included an update on the JAC Transit Coordinated Plan; a status update on NDOT's I-580 freeway resurfacing project; and a status update, including a quote from the press release, on the \$5,000 Paving for Pizza grant from Domino's Pizza. Ms. Maloney reported that the a pot hole on Slide Mountain Drive will be filled at 1:30 p.m. on May 14th. She invited everyone to participate and advised of having heard a rumor "there may be pizza." Chairperson Bonkowski entertained questions or comments; however, none were forthcoming.

7(B) STREET OPERATIONS ACTIVITY REPORT (5:56:05) - Chairperson Bonkowski introduced this item, and Ms. Maloney presented the report which was included in the agenda materials. She responded to questions of clarification. Commissioner Macquarie commended the streets crews for their prompt response to clearing a storm drain near his home during one of the recent rain events.

7(C) PROJECT STATUS REPORT (5:59:09) - Chairperson Bonkowski introduced this item, and Ms. Maloney presented the report which was included in the agenda materials. In response to a question, Mr. Goering provided a status report on the freeway multi-use path at Colorado Street. He acknowledged that the project would not be advertised or built until 2020, and Commissioner Macquarie expressed frustration. Ms. Maloney acknowledged that larger format plans for the 90 percent design of the South Carson Street project will be requested and provided once they are available. Chairperson Bonkowski entertained additional questions or comments; however, none were forthcoming.

7(D) FUTURE AGENDA ITEMS (6:07:16) - Chairperson Bonkowski introduced this item, and Ms. Maloney reviewed the tentative agenda for the June commission meeting. A brief discussion followed. Chairperson Bonkowski entertained additional requests for future agenda items; however, none were forthcoming.

8. COMMISSIONER COMMENTS (6:09:45) - Chairperson Bonkowski entertained commissioner comments; however, none were forthcoming.

9. THE NEXT MEETING IS TENTATIVE SCHEDULED FOR WEDNESDAY, JUNE 12, 2019 IN THE COMMUNITY CENTER SIERRA ROOM, 851 EAST WILLIAM STREET, CARSON CITY, NEVADA (6:09:53) - Chairperson Bonkowski read this information into the record.

10. PUBLIC COMMENT (6:10:03) - Chairperson Bonkowski entertained public comment. (6:10:50) Jerry Vaccaro advised of having spoken with Mr. Reese, who provided "diagrams" of the South Carson Street project. In reference to the diagrams, Mr. Vaccaro alleged that "in between properties, you're having where the ... right-of-way frontage is already excluding any of the improvements. You're narrowing the roadway with the City expanding on the south end with apartments and so forth. So you're going to have more traffic but you're narrowing the right-of-way. You've excluded frontage at Applebee's Restaurant. You're not going to touch it. Auto Zone. You're not going to touch it. 312 feet in between those two facilities. 312 feet and you can't give us an answer on what you're going to do with that property." Mr. Vaccaro advised of having requested from the District Attorney's Office "how soon a decision would be made at the City level as to what the City's desire is on how they're going to relinquish the business frontage."

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Mr. Reese explained that relinquishment of the rights-of-way will be presented to the Board of Supervisors and is not within the purview of the Regional Transportation Commission. At Chairperson Bonkowski's request, Commissioner Macquarie explained that earlier comments wherein he expressed frustration were relative to extension of the freeway multi-use path "in a totally different part of town." Commissioner Macquarie acknowledged that his comments had nothing to do with the South Carson Street project.

Mr. Vaccaro requested "additional time" at the next commission meeting "because I have a 30-minute presentation to make, with documentations, to this [commission] as relative to the planning through Mr. Goering ... and to itemize the different parcels in question as to that not being needed by the City." Mr. Vaccaro advised that he would be making the same presentation to the Board of Supervisors and the Planning Commission. "This program ... has been over two years in planning. You have \$5.2 million ... from Department of Transportation for you to assume the improvement of South Carson and then you got money from the feds, ... \$1.5 to \$2 million. So you're now around \$8 million for South [corridor] and I think there's even more money in there and you have no determinations as to what these business owners, what these property owners are going to be able to do with their frontage.

"Now, in Capital Ford, you have a four-foot sidewalk. It's on right-of-way property. It's existing. You're not going to touch it according to this map and the same thing with Les Schwab, Applebee's, you name it. What are you going to do with McDonald's? What are you going to do with the front of McDonald's? They just improved and remodeled their property and that's their drive-thru lane for the drive-in. ... I need time to make a presentation. I need to get some answers if we're going to go forward with any sort of real estate planning and developing. You're saying you're trying to improve this for quality of life but you've done nothing but add confusion to this planning process. There's nobody making any decisions. You go to a meeting, you say I can't answer that. You have to ask the District Attorney's Office. Go to the District Attorney, he presents you with this paper, he says, 'I can't give you any definite answers. It's got to come from the Board of Supervisors.' So, we're in limbo on this. When are we going to get definitive answers as to how, when, and where the City is going to address these real issues? You got from Snyder all the way up to Fairview where you have these frontages in front of businesses and we can't do anything with the property. We don't know if you're going to put picnic tables out there or umbrellas. When is the decision going to be made? That's why I need the extra time. Thank you."

Chairperson Bonkowski entertained additional public comment; however, none was forthcoming.

11. ACTION TO ADJOURN (6:16:55) - Upon motion by Vice Chairperson Kimbrough, Chairperson Bonkowski adjourned the meeting at 6:16 p.m.

The Minutes of the May 8, 2019 Carson City Regional Transportation Commission meeting are so approved this _____ day of June, 2019.

BRAD BONKOWSKI, Chair



STAFF REPORT

Report To: The Carson City Regional Transportation Commission

Meeting Date: June 12, 2019

Staff Contact: Dirk Goering, Senior Transportation Planner

Agenda Title: For Possible Action – Discussion and possible action regarding Cooperative Agreement No. PR279-19-063, between the Carson City RTC and the Nevada Department of Transportation (NDOT), for \$1,618,000, for the design and construction of a multi-use path along I-580 from Colorado Street to the Pete Livermore Sports Complex, and authorizing the Transportation Manager to execute the agreement and future amendments regarding term extensions or a change in amount up to 10%.

Staff Summary: The agreement will require a 5% local match of \$80,900, to leverage \$1,537,100 in Transportation Alternatives Program (TAP) funds for the construction of the Edmonds Multi-use Path project. Any public comment received during this public meeting will be considered and used to inform design, if the agreement is approved.

Agenda Action: Formal Action/Motion

Time Requested: 20 minutes

Proposed Motion

I move to approve the Cooperative Agreement as presented and to authorize the Transportation Manager to execute the agreement and specified future amendments.

Background/Issues & Analysis

On January 10, 2018, the Carson City RTC approved the submission the grant application for this project. This project is supported by the 2011 Carson City Freeway Corridor Multi-Use Path Alignment Study, the 2006 Carson City Unified Master Pathway Plan, and the 2040 Carson Area Regional Transportation Plan. The noted plans are available at www.carsonareampo.com, or upon request from the Carson City Public Works Department.

The agreement authorizes Carson City to seek reimbursement through NDOT for work completed on the Edmonds Multi-use Path project. The project will construct approximately 1.8 miles of a multi-use path within the I-580 freeway right-of-way from Colorado Street south to the Pete Livermore Sports Complex, previously the Edmonds Sports Complex. This leg of the path runs along the west side of the freeway to Clearview Drive, and then crosses to the east side of the freeway and runs along the freeway to the Sports Complex. The project is anticipated to be constructed in 2021.

On March 30, 2019, Carson City staff met with two property owners that would abut the multi-use path, between Colorado Street and Koontz Lane. At the meeting, the following concerns and possible solutions were discussed:

- Security concerns relating to crime, gangs, and homeless persons.
 - Considerations suggested were the use of barbwire fencing, slated fencing, cameras, and locking down the path after dark.
- Fire danger arising from fuels in an unmaintained drainage easement located on NDOT right-of-way and on private property.
 - Considerations suggested were working with NDOT and private properties to reduce fuels.

After the meeting, staff contacted other City Departments to get information on the identified security and fire concerns. The following information was collected:

- The City’s existing multi-use path system is open at all hours. Initial staff-level comments regarding gating the facility were that Carson City is a “24-hour town”, and gates would create barriers for residents traveling to work as well as off-hour recreational users.
- Regarding barbwire fencing, similar path facilities within the City have not included barbwire fence, however, private property owners are not prohibited from installing barbwire on their property.
- Regarding cameras on the path, the City has not employed this type of security measure on paths in Carson City to date, and privacy issues may exist.
- The Parks and Open Space Department maintenance staff maintains a presence on the City’s path system.
- Based on discussions with Parks maintenance staff and representatives from the Sheriff’s Office, evidence of illicit activity or homeless activity have not been noticed or reported on existing City multi-use paths.
- The Carson City Fire Department and Public Works Department staff has contacted NDOT regarding the need to manage fuels along the freeway right-of-way. NDOT staff has acknowledged this concern and will be elevating ongoing efforts along the freeway right-of-way to reduce fuels.
- The Carson City Public Works Stormwater Division will work with private property owners to clear fuels located on the drainage easement.

Applicable Statute, Code, Policy, Rule or Regulation

-NRS Chapter 338

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number: RTC fund, Construction account 250-3035-431.70-40; RTC fund, Labor account 250-3035-431.70-70 (Project# 031808).

Is it currently budgeted? Yes No

If approved, the agreement will require \$80,900 in local funding. For FY 2020 we budgeted \$1,525,100 in grant revenues and \$1,606,000 in project expenses. The difference is the local match. However, we will need to augment the revenue and expenses by \$12,000, as the total TAP grant award is \$1,537,100, and the total project amount is \$1,618,000.

Alternatives

-Do not approve the agreement and provide alternative direction to staff.

Supporting Material

-Exhibit-1: Cooperative Agreement No. PR279-19-063

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)

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Highway Agreement PR279-19-063

COOPERATIVE (LOCAL PUBLIC AGENCY) AGREEMENT
EDMONDS MULTI-USE PATH PROJECT

This Agreement is made and entered on _____, by and between the STATE OF NEVADA, acting by and through its Department of Transportation (hereinafter "DEPARTMENT") and Carson City Regional Transportation Commission, 3505 Butti Way, Carson City, Nevada 89701 (hereinafter "CITY").

WITNESSETH:

WHEREAS, agreements between the DEPARTMENT and local public agencies are authorized under Nevada Revised Statutes (NRS) Chapters 277 and 408; and

WHEREAS, the DEPARTMENT and the Nevada Division of the Federal Highway Administration (FHWA) have entered into a Stewardship Agreement pursuant to Title 23 United States Code (U.S.C.) § 106; and

WHEREAS, NRS 408.245 authorizes the DEPARTMENT to act as agent and to accept federal funds on behalf of local public agencies; and

WHEREAS, 23 Code of Federal Regulations (CFR) § 635.105(a) provides the DEPARTMENT shall be responsible for insuring that local public agency projects receiving federal funds receive adequate supervision and inspection to insure that such projects are completed in conformance with approved plans and specifications; and

WHEREAS, the CITY is willing to agree to design, adjust and/or relocate utility facilities, advertise, award, and manage construction of a multi-use pathway on the east or west side of I-580 as outlined in the Project Scope attached hereto and incorporated herein as Attachment A (hereinafter "PROJECT"); and

WHEREAS, the PROJECT has been approved by the DEPARTMENT for Federal Transportation Alternatives Program (TAP) funds; and

WHEREAS, the CITY is a sub-recipient of federal transportation funds, Catalog of Federal Domestic Assistance (CFDA) Number 20.205 and the CITY's Data Universal Numbering System (DUNS) Number 073787152 will be used for reporting purposes; and

NOW, THEREFORE, in consideration of the premises and mutual covenants hereinafter contained, it is agreed as follows:

ARTICLE I - DEPARTMENT AGREES:

1. To assist the CITY with: (a) completing the National Environmental Policy Act (NEPA) documentation in conformance with 23 CFR Part 771 and (b) obtaining the environmental permits and clearances.
2. To ensure that the CITY's actions are in accordance with applicable Federal and State regulations and policies.

3. To obligate Federal TAP funding for the PROJECT in a maximum amount of One Million Five Hundred Thirty-Seven Thousand One Hundred and No/100 Dollars (\$1,537,100.00).
4. To establish a Project Identification Number to track all PROJECT costs.
5. Once the funding is obligated, to provide the CITY with a written "Notice to Proceed" authorizing the preliminary engineering of the PROJECT. The "Notice to Proceed" will include the Federal Award Identification Number (FAIN) and the "project end date" mutually established by both parties in conformance with the requirements of 2 CFR Part 200.
6. To ensure that applicable environmental laws and regulations are met on the PROJECT and to certify the PROJECT to FHWA in accordance with Federal requirements.
7. To review and comment on the CITY's design (including plans, specifications, and estimates) within fifteen (15) working days from receipt of submittal of such design and to ensure that DEPARTMENT, American Association of State Highway Transportation Officials (AASHTO) and Manual on Uniform Traffic Control Devices (MUTCD) Guidelines are followed and that the design meets the requirements of the Americans with Disability Act (ADA).
8. To review all exceptions to DEPARTMENT and AASHTO design standards, and to approve those exceptions when acceptable to the DEPARTMENT.
9. To invoke the DEPARTMENT's authority under NRS 408.210(4) to require relocation or adjustment of any encroachments, including utility facilities occupying the DEPARTMENT's right-of-way pursuant to DEPARTMENT permits issued pursuant to NRS 408.210 and/or NRS 408.423, in order to accommodate construction of the PROJECT.
10. To exercise final approval over utility adjustments that are within the DEPARTMENT's right-of-way and to have full authority to inspect such utility relocations.
11. To coordinate and provide liaison for the relocation or adjustment of utilities in accordance with applicable State and Federal regulations, including but not limited to Nevada Administrative Code (NAC) Chapter 408 and 23 CFR Part 645.
12. To ensure that applicable right-of-way laws and regulations are met on this PROJECT and to document those actions taken in accordance with the DEPARTMENT's administrative requirements.
13. To issue an occupancy permit to the CITY, at no cost to the CITY, allowing it to occupy the DEPARTMENT's right-of-way for the purpose of constructing and maintaining the PROJECT.
14. To provide an overall Disadvantaged Business Enterprise (DBE) participation goal and/or training hours for the PROJECT based on the DEPARTMENT's DBE Program, subject to and in accordance with Federal and State law and any other applicable laws, rules and regulations.
15. To review the DBE information submitted to the CITY by bidders on the PROJECT for compliance with 49 CFR Part 26 and to provide the CITY with the results of such review.

16. To review and approve the CITY's procedures utilized for advertising, bid opening, and award of the PROJECT, so that the DEPARTMENT may satisfy itself that the same are in accordance with applicable Federal requirements.

17. To ensure that all reporting and project documentation, as necessary for financial management and required by applicable Federal requirements, is submitted by the DEPARTMENT to the FHWA.

18. To authorize the CITY to proceed with the advertisement and award of the contract and construction of the PROJECT, once the final design (including plans, specifications and estimates) and bid documents have been reviewed and approved by the DEPARTMENT, all certifications have been completed, and the funding authorized by FHWA.

19. The DEPARTMENT shall issue such authorization through a written "Notice to Proceed". The "Notice to Proceed" will include the Federal Award Identification Number (FAIN) and the modified "project end date" mutually established by both parties in conformance with the requirements of 2 CFR Part 200.

20. To assign a Local Public Agency Coordinator and a Resident Engineer to act as the DEPARTMENT's representatives to monitor the CITY's compliance with applicable Federal and State requirements.

21. To review, and approve when acceptable to the DEPARTMENT, addenda, supplementals, and change orders to the construction contract of the PROJECT to ensure compliance with the terms of this Agreement within five (5) working days. Failure to respond within five (5) working days shall constitute approval. Approval of such addenda, supplementals, and change orders does not alter the maximum reimbursement to the CITY as established in ARTICLE I, Paragraph 3, minus any DEPARTMENT eligible PROJECT costs. The estimated DEPARTMENT PROJECT costs are shown in Article III, Paragraph 5.

22. To review the CITY's as-built plans and to attend the CITY final inspection of the PROJECT.

23. To reimburse the CITY upon receipt of an invoice for ninety-five percent (95%) of eligible PROJECT costs based on supporting documentation minus any DEPARTMENT eligible PROJECT costs. Total reimbursement shall not exceed the total obligated amount, as established in ARTICLE I, Paragraph 3, minus any DEPARTMENT eligible PROJECT costs. The estimated DEPARTMENT eligible PROJECT costs are shown in Article III, Paragraph 5. Eligible PROJECT costs are those costs as defined in 2 CFR Part 200, and the State Administrative Manual (SAM), incorporated herein by reference. The SAM may be obtained from <http://budget.nv.gov/uploadedFiles/budgetnv.gov/content/Governance/SAM.pdf>.

24. To transfer to the CITY maintenance responsibility including utility costs for the improvements consisting of a multi-use pathway constructed as part of the PROJECT upon completion and the DEPARTMENT's final written acceptance of the PROJECT.

ARTICLE II - CITY AGREES:

1. To perform or have performed by consultant forces: (a) the design of the PROJECT (including the development of plans, specifications, and estimates); (b) the completion of the NEPA documentation in conformance with 23 CFR Part 771; (c) the acquisition of environmental permits and clearances; and (d) the advertisement, award and construction management of the PROJECT, as outlined in Attachment A, in accordance with Federal, State, and local laws, regulations, ordinances, and policies, including but not limited to those listed in the FHWA "Contract Administration Core Curriculum Participant's Manual and Reference Guide" at <http://www.fhwa.dot.gov/programadmin/contracts/coretoc.cfm>, incorporated herein by reference. The PROJECT shall be designed and constructed in accordance with CITY and/or DEPARTMENT standards. The PROJECT shall be operated and maintained in accordance with applicable Federal, State, and local laws, regulations, ordinances, and policies.

2. To require those utility companies having franchise agreements with the CITY, when permitted under the terms of the franchise agreement, to relocate their facilities if necessary or otherwise accommodate the PROJECT at no cost to the PROJECT, DEPARTMENT or the CITY.

3. To ensure that any utility relocations are in compliance with ADA requirements.

4. To invite the DEPARTMENT to PROJECT meetings, including but not limited to field reviews, right-of-way settings, review meetings, and the pre-construction conference.

5. To submit to the DEPARTMENT for review and approval preliminary plans at sixty percent (60%), ninety percent (90%), and one hundred percent (100%) design phases. The ninety percent (90%) and one hundred percent (100%) submittals shall include the PROJECT specifications, cost estimate, and bid documents, which must include the provisions listed in Attachment B "Required Documents in Bid Packets of Projects," attached hereto and incorporated herein.

6. To obtain an occupancy permit from the DEPARTMENT, at no cost to the CITY, allowing the CITY to occupy the DEPARTMENT's right-of-way for the purpose of constructing and maintaining the PROJECT prior to requesting the obligation of the federal funds for construction.

7. To follow the terms and conditions of the occupancy permit issued by the DEPARTMENT so long as the terms and conditions are consistent with the terms and conditions contained herein and to incorporate those terms and conditions into the contract bid documents. In the event of any inconsistencies and/or conflict in the terms and conditions, those in this Agreement shall take precedence.

8. To obtain the DEPARTMENT's approval for all exceptions to DEPARTMENT and AASHTO design standards.

9. To provide the DEPARTMENT a written certification, evidencing that: (a) the proposed improvements will be constructed on property owned or authorized to be used by the CITY; (b) any right-of-way acquired for the PROJECT has been obtained in accordance with the Uniform Relocation Assistance and Real Property Acquisition Policy Act of 1970, as amended; and (c) any utility relocations and /or adjustments were completed in accordance with federal and state regulations. The CITY shall submit the certification to the DEPARTMENT concurrent with its provision of the ninety percent (90%) submittal.

10. To proceed with the PROJECT advertisement only after receiving a written "Notice to Proceed" from the DEPARTMENT.

11. To submit to the DEPARTMENT three (3) final sets of plans, specifications, estimates, and bid documents for the DEPARTMENT's use.

12. To perform the construction administration of the construction contract by providing appropriate personnel to: (a) observe, review, inspect, and perform materials testing; (b) be in responsible charge of the construction; (c) be capable of answering any question that may arise in relation to the contract plan and specifications during construction; (d) be responsible for ensuring that all applicable NEPA environmental permits and clearances requirements for monitoring and mitigation during construction of the PROJECT are being met; (e) be responsible for monitoring compliance with legal, contractual and regulatory requirements including reporting requirements; and (f) to report to the DEPARTMENT's Resident Engineer on administration of the contract, compliance with Federal requirements, and the contractor's acceptable fulfillment of the contract.

13. To submit to the DEPARTMENT for review and approval any addenda, supplementals and change orders and to obtain written DEPARTMENT approval for any addenda, supplementals, and change orders prior to incorporating them into the PROJECT.

14. To allow the DEPARTMENT and its designated representatives to monitor all work associated with the PROJECT during construction.

15. To incorporate all required DBE goals and/or training hours into the contract for the PROJECT as well as all applicable Federal and State required provisions and terms regarding the DBE goals and/or training hours.

16. To submit to the DEPARTMENT the DBE information submitted by bidders on the PROJECT to show their compliance with 49 CFR Part 26 and to provide any supporting documentation required to clarify the DBE information provided for review by the DEPARTMENT prior to making a determination of the lowest responsive and responsible bidder.

17. To monitor the consultant and/or contractor on the PROJECT to ensure that DBE goals and/or training hours are being met in accordance with all applicable Federal and State laws, including but not limited to 49 CFR Part 26, and to make available to the DEPARTMENT all necessary documents to support compliance with the DBE and/or training standards.

18. To perform PROJECT documentation and quality control during contract administration according to the LOCAL AGENCY's established procedures, as approved by the DEPARTMENT. If the LOCAL AGENCY does not have DEPARTMENT-approved procedures, it must then follow the procedures contained in the DEPARTMENT's "Documentation Manual" and "Construction Manual," incorporated herein by reference. The manuals may be obtained from the DEPARTMENT's Administrative Services Division.

19. To monitor compliance with subcontracting, prompt payments, and DBE requirements using B2GNow for tracking and reporting purposes and require contractors and subcontractors to use and submit documentation through B2GNow.

20. To provide to the DEPARTMENT all reporting and project documentation, as

necessary for financial management, required by applicable Federal requirements and any future Federal reporting requirements and to comply with the Federal Funding Accountability and Transparency Act and implementing regulations at 2 CFR Part 170, including Appendix A available at <http://edocket.access.gpo.gov/2010/pdf/2010-22705.pdf>.

21. As work progresses on the PROJECT, the CITY shall provide the DEPARTMENT with monthly invoices for payment of the PROJECT costs. The final invoice must be submitted within ninety (90) calendar days of the acceptance of the PROJECT by the DEPARTMENT. The invoice shall be based upon and accompanied by auditable supporting documentation. Total reimbursement shall not exceed the total obligated amount, as established in Article I, Paragraph 3, less any DEPARTMENT eligible PROJECT costs. The estimated DEPARTMENT PROJECT costs are shown in Article III, Paragraph 5. Invoices for the preliminary engineering and right-of-way phases shall be forwarded to the DEPARTMENT's Local Public Agency Coordinator for payment processing. Invoices for the construction phase including the final invoice shall be forwarded to the DEPARTMENT's Resident Engineer for review. The DEPARTMENT's Resident Engineer shall forward the invoice to the DEPARTMENT's Local Public Agency Coordinator for payment processing. Eligible PROJECT costs are those costs as defined in 2 CFR Part 200, and the SAM.

22. To be responsible for the five percent (5%) match of Federal funds in an amount not to exceed Eighty Thousand Nine Hundred and No/100 Dollars (\$80,900.00) and for one hundred percent (100%) of all costs exceeding the obligated Federal funds subject to the CITY's budgeted appropriations and the allocation of sufficient funds by the governing body of the CITY. The CITY agrees the DEPARTMENT and the State of Nevada are not responsible for any costs exceeding the obligated Federal funds.

23. To accept maintenance responsibilities for the improvements consisting of a multi-use path constructed as part of the PROJECT upon its completion and the DEPARTMENT's final written acceptance of the PROJECT. The level of maintenance effort shall be commensurate with the CITY's overall maintenance budget allocated by the CITY's governing body.

24. To complete and sign Attachment C – "Affidavit Required Under 23 U.S.C. Section 112(C) And 2 CFR Parts 180 and 1200 - SUSPENSION OR DEBARMENT" and Attachment D – "Certification Required by Section 1352 of Title 31, United States Code, Restrictions of Lobbying Using Appropriated Federal Funds," "Instructions for Completion of SF-LLL, Disclosure of Lobbying Activities," and "Disclosure of Lobbying Activities" attached hereto and incorporated herein.

ARTICLE III - IT IS MUTUALLY AGREED:

1. The term of this Agreement shall be from the date first written above through and including June 30, 2023, or until the construction of all improvements contemplated herein has been completed and accepted by the DEPARTMENT, whichever occurs first, save and except the responsibility for maintenance as specified herein.

2. Costs associated with this Agreement will be administered in accordance with the cost principles contained in 2 CFR Part 200. Indirect costs are eligible for reimbursement. The CITY's indirect rate shall be approved by its cognizant federal agency and that approval provided to the DEPARTMENT. Fringe benefit rates must be approved by the DEPARTMENT on an annual basis to be eligible for reimbursement.

3. The description of the PROJECT may be changed in accordance with Federal requirements and by mutual written consent of the parties.

4. Each party agrees to complete a joint final inspection prior to final acceptance of the work by the DEPARTMENT.

5. The following is a summary of the estimated PROJECT costs and available funds:

Total Estimated PROJECT Costs:

DEPARTMENT Preliminary Engineering Costs:	\$	5,000.00
CITY Preliminary Engineering Costs:	\$	126,000.00
DEPARTMENT Construction Engineering Costs:	\$	7,000.00
CITY Construction Engineering Costs:	\$	150,000.00
Construction Costs:	\$	<u>1,330,000.00</u>

Total Estimated PROJECT Costs: \$ 1,618,000.00

Available Funding Sources:

Federal TAP Funds:	\$	1,537,100.00
CITY Match Funds:	\$	<u>80,900.00</u>

Total PROJECT Funding: \$ 1,618,000.00

6. The CITY may not incur any reimbursable PROJECT costs until this Agreement is executed by both parties, and the DEPARTMENT has issued a written "Notice to Proceed." The "Notice to Proceed" includes the "project end date," which establishes the limit of federal participation for a project or phase of work associated with a project. The "project end date" is mutually established by both parties in conformance with the requirements of 2 CFR Part 200. The CITY is responsible for any costs incurred on the PROJECT after the "project end date." The CITY agrees the DEPARTMENT and the State of Nevada are not responsible for any costs incurred after the "project end date."

7. The total PROJECT costs shall be determined by adding the total costs incurred by the DEPARTMENT and the CITY for preliminary engineering, completing the NEPA process and acquiring environmental permits and clearances, the relocation of utilities, construction engineering, and construction costs. The CITY match will be calculated using the applicable percentage of the total PROJECT costs eligible for Federal funding. Subject to budgeted appropriations and the allocation of sufficient funds by the governing body of the CITY prior to entering into this Agreement, the CITY is responsible for one hundred percent (100%) of all costs not eligible for Federal funding. The CITY agrees the DEPARTMENT and the State of Nevada are not responsible for any of those costs. Eligible PROJECT costs are those costs as defined in 2 CFR Part 200, and the SAM.

8. All right-of-way for the PROJECT is in place and no utility facilities, having prior

rights or franchise agreements that require the CITY to pay for any relocation, will require relocation to accommodate the PROJECT. If it is subsequently determined that this is inaccurate, a written amendment to this Agreement designating the party having financial responsibility for such costs shall be required.

9. An alteration requested by either party which substantially changes the services provided for by the expressed intent of this Agreement shall be considered extra work and shall be specified in a written amendment which will set forth the nature and scope thereof. The method of payment for such extra work shall be specified at the time the amendment is written.

10. The CITY's total estimated PROJECT costs may not be an accurate reflection of the final cost. The final costs may vary widely depending on the Contractor's bid prices. The parties acknowledge and agree that the total estimated PROJECT costs set forth herein are only estimates and that in no event shall the DEPARTMENT or federal funding portion exceed the total obligated amount, as established in Article I, Paragraph 3.

11. Plans, specifications, estimates, and bid documents shall be reviewed by the DEPARTMENT for conformity with the Agreement terms. The CITY acknowledges that review by the DEPARTMENT does not include detailed review or checking of major components and related details or the accuracy and sufficiency of such deliverables.

12. This Agreement may be terminated by mutual consent of both parties without cause. The parties expressly agree that this Agreement shall be terminated upon written notification if for any reason Federal and/or State and/or CITY funding ability to satisfy this Agreement is withdrawn, limited, or impaired.

13. Should this Agreement be terminated by the CITY for any reason prior to the completion of the PROJECT, or the Agreement is terminated by the DEPARTMENT due to the CITY's failure to perform, the CITY shall reimburse the DEPARTMENT for any payments made to the CITY and any PROJECT costs incurred by the DEPARTMENT.

14. All notices or other communications required or permitted to be given under this Agreement shall be in writing and shall be deemed to have been duly given if delivered personally in hand, by telephonic facsimile or electronic mail with simultaneous regular mail, or mailed certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other party at the address set forth below:

FOR DEPARTMENT: Kristina L. Swallow, P.E., Director
Attn: Phil Kanegsberg, P.E.
Local Public Agency Coordinator
Nevada Department of Transportation
Roadway Design
1263 South Stewart Street
Carson City, Nevada 89712
Phone: (775) 888-7988
Fax: (775) 888-7401
E-mail: pkanegsberg@dot.nv.gov

FOR CITY: Robert D. Fellows, P.E.

Carson City Public Works
3505 Butti Way
Carson City, NV 89712
Phone: (775) 283-7370
Fax: (775) 887-2164
E-mail: rfellows@carson.org

15. Up to the limitation of law, including, but not limited to, NRS Chapter 41 liability limitations, each party shall be responsible for all liability, claims, actions, damages, losses, and expenses, caused by the negligence, errors, omissions, recklessness or intentional misconduct of its own officers and employees.

16. The parties do not waive and intend to assert available NRS Chapter 41 liability limitations in all cases. Agreement liability of both parties shall not be subject to punitive damages. Actual damages for any DEPARTMENT or CITY breach shall never exceed the amount of funds which have been appropriated for payment under this Agreement, but not yet paid, for the fiscal year budget in existence at the time of the breach.

17. This Agreement and the rights and obligations of the parties hereto shall be governed by, and construed according to, the laws of the State of Nevada. The parties consent to the exclusive jurisdiction of the Nevada state district courts for enforcement of this Agreement.

18. The illegality or invalidity of any provision or portion of this Agreement shall not affect the validity of the remainder of the Agreement, and this Agreement shall be construed as if such provision did not exist, and the unenforceability of such provision shall not be held to render any other provision or provisions of this Agreement unenforceable.

19. Failure to declare a breach or the actual waiver of any particular breach of the Agreement and or its material or nonmaterial terms by either party shall not operate as a waiver by such party of any of its rights or remedies as to any other breach.

20. Except as otherwise expressly provided herein, all property presently owned by either party shall remain in such ownership upon termination of this Agreement, and there shall be no transfer of property between the parties during the course of this Agreement.

21. It is specifically agreed between the parties executing this Agreement that it is not intended by any of the provisions of any part of this Agreement to create any rights in any person or entity, public or private, a third party beneficiary status hereunder, or to authorize anyone not a party to this Agreement to maintain a suit pursuant to the terms or provisions of this Agreement.

22. Each party agrees to keep and maintain under generally accepted accounting principles full, true, and complete records and documents pertaining to this Agreement and to present to the DEPARTMENT, FHWA, the U.S. Department of Transportation's Inspector General, the Comptroller General of the United States or any of their duly authorized representatives, at any reasonable time, such information for inspection, examination, review, audit, and copying at any office where such records and documentation are maintained. Such records and documentation shall be maintained for three (3) years after final payment is made.

23. The parties are associated with each other only for the purposes and to the extent set forth in this Agreement. Each party is and shall be a public agency separate and distinct from

the other party and shall have the right to supervise, manage, operate, control, and direct performance of the details incident to its duties under this Agreement. Nothing contained in this Agreement shall be deemed or construed to create a partnership or joint venture, to create relationships of an employer-employee or principal-agent, or to otherwise create any liability for one agency whatsoever with respect to the indebtedness, liabilities, and obligations of the other agency or any other party.

24. In connection with the performance of work under this Agreement, the parties agree not to discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, age, disability, pregnancy, sexual orientation, genetic information (GINA) or gender identity or expression, including, without limitation, with regard to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including without limitation apprenticeship. The parties further agree to insert this provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

25. Pursuant to all applicable laws including but not limited to the Civil Rights Act of 1964, the Federal Highway Act of 1973, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, Executive Order 12898 (Environmental Justice), and Executive Order 13166 (Limited English Proficiency), the parties shall ensure that no person shall on the grounds of race, color, national origin, sex, age, and handicap/disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity conducted by the recipient regardless of whether those programs and activities are federally-funded or not.

26. Neither party shall assign, transfer or delegate any rights, obligations or duties under this Agreement without the prior written consent of the other party.

27. The parties hereto represent and warrant that the person executing this Agreement on behalf of each party has full power and authority to enter into this Agreement and that the parties are authorized by law to engage in the cooperative action set forth herein.

28. Pursuant to NRS 239.010, information or documents may be open to public inspection and copying. The parties will have the duty to disclose unless a particular record is confidential by law or a common law balancing of interests.

29. Each party shall keep confidential all information, in whatever form, produced, prepared, observed or received by that party to the extent that such information is confidential by law.

30. All references herein to federal and state code, law, statutes, regulations and circulars are to them, as amended.

31. This Agreement shall not become effective until and unless approved by appropriate official action of the governing body of each party.

32. This Agreement constitutes the entire agreement of the parties and as such is intended as a complete and exclusive statement of the promises, representations, negotiations, discussions, and other agreements that may have been made in connection with the subject matter hereof. Unless an integrated attachment to this Agreement specifically displays a mutual

intent to amend a particular part of this Agreement, general conflicts in language between any such attachment and this Agreement shall be construed consistent with the terms of this Agreement. Unless otherwise expressly authorized by the terms of this Agreement, no modification or amendment to this Agreement shall be binding upon the parties unless the same is in writing and signed by the respective parties hereto and approved by the Attorney General.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year first above written.

Carson City Regional Transportation
Commission

State of Nevada, acting by and through its
DEPARTMENT OF TRANSPORTATION

Lucia Maloney
Transportation Manager

Director

Attest:

Approved as to Legality & Form:

Aubrey Rowlett
Clerk-Recorder

Deputy Attorney General

Approved as to Form:

Deputy District Attorney

Scope of Work: Multi Use Path



**MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT**

Carson City , NV makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Parcels updated 12/14/2017
Properties updated 12/14/2017

Edmonds Multi Use Path Project

The project consists of the construction of approximately 9,400 lineal feet of multi-use pathway, including drainage systems, fencing, erosion control, revegetation and related improvements.

The limits of the Project are west of I-580 from Colorado Street south to Livermore Sports Complex.

Attachment B

REQUIRED DOCUMENTS IN BID PACKETS OF PROJECTS

Federal Wage Rates, as provided by the Labor Commission, are included in all Federal Projects over \$2,000.00 *

The following attached provisions and forms:

Required Contract Provisions Federal-aid Construction Contracts

Additional Contract Provisions Supplement to the weekly Certified Payrolls

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

Additional Contract Provisions Specific Equal Employment Opportunity Responsibilities

Additional Contract Provisions Minority Business Enterprise in Federal-aid Highway Construction

Affidavit Required Under Section 112(c)

Certification Required by Section 1352 of Title 31, United States Code (Restrictions of lobbying)

Bidder Disadvantaged Business and Small Business Enterprise (DBE/SBE) Information*

List of Subcontractor and Suppliers Bidding

Bidder Subcontractor Information (exceeding 5%)**

Bidder Subcontractor Information (exceeding 1% or \$50,000.00, whichever is greater)**

Bidder Subcontractor Information (For subcontractors exceeding \$250,000.00)**

*** Contact NDOT's Contract Compliance Division for information (775) 888- 7497**

**** Or local agency equivalent**

**REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS**

- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex,

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any

color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates

the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by

the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants /

Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of

Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurance Required by 49 CFR 26.13(b):

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the

award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are

exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the

classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g. , the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either

directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

4. Apprentices and trainees

a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the

journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

6. Subcontracts. The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

9. Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility.

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR

4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

3. Withholding for unpaid wages and liquidated damages. The FHWA or the contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

4. Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not

include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier

Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

2. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier

covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

* * * * *

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

ADDITIONAL CONTRACT PROVISIONS

SUPPLEMENT TO THE WEEKLY CERTIFIED PAYROLLS

In addition to the required payroll data as enumerated in Section V, Part 2 of the Form FHWA-1273, "Required Contract Provisions, Federal-Aid Construction Contracts (Exclusive of Appalachian Contracts)", the Department is requiring that the employers insert, for their employees, an ethnic code and Male/Female identifier on each weekly certified payroll.

For standardization purposes the Department has established the following identification codes:

- #1 Native Americans: Persons who are American Indians, Eskimos, Aleuts, or Native Hawaiians.
- #2 Black Americans: Persons having origins in any of the Black racial groups of Africa.
- #3 Asian-Pacific Americans: Persons whose origins are from Japan, China, Taiwan, Korea, Vietnam, Laos, Cambodia, the Philippines, Samoa, Guam, the U.S. Trust Territories of the Pacific, and the Northern Marianas and/or which includes persons whose origin are from India, Pakistan, and Bangladesh.
- #4 Hispanic Americans: Persons of Spanish or Portuguese ancestry whose culture is rooted in South America, Central America, Mexico, Puerto Rico, Cuba, the Caribbean Islands or the Iberian Peninsula, including Portugal, regardless of race.
- #5 None of These: Persons not otherwise included in the above designations.

STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION
CONTRACT SPECIFICATIONS (EXECUTIVE ORDER 11246)

1. As used in these specifications:
 - a. "Covered Area" means the geographical area described in the "Notice of Requirement for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246)", of these special provisions.
 - b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 - c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
 - d. "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Spanish or Portuguese ancestry whose culture is rooted in South America, Central America, Mexico, Puerto Rico, Cuba, the Caribbean Islands or the Iberian Peninsula, including Portugal, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North American and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U. S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or subcontractors toward a goal in an approved Plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.
4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation

from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the FEDERAL REGISTER in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the non-working training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U. S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organization's responses.
 - c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.
 - d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the

Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the contractor's EEO policy with other contractors and subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
- j. Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.
- k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
- l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

- m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory affect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
 - n. Ensure that all facilities and company activities are non- segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a Contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the contractor's minority and female work force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the contractor. The obligation to comply, however, is the contractor's and failure of such a group to fulfill an obligation shall not be a defense for the contractor's non-compliance.
9. A single goal for minorities and a separate single goal for women have been established. The contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the contractor has achieved its goals for women generally, the contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).
10. The contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirement for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).
16. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the State Department of Transportation and the Federal Highway Administration.
17. Required Reports: Standard Form 257 - a Standard Form 257 will be required monthly, from the prime contractor and all subcontractors working on the project.
18. FHWA 1409 (Federal-Aid Highway Construction Contractors Semiannual report).

(INSTRUCTIONS: This report is to be completed by the Contractor semiannually for each individual employed on this contract (including any subcontracts under it) who has received training during the reporting period under the training special provisions (Attachment 2 FHPM 6-4-1.2). The report is to be submitted by the 20th of the month following the reporting period (July 20 and January 20). The original of this report is to be furnished to the trainee and two copies submitted to the Nevada Department of Transportation.)

19. Required Reports: Form PR-1391 (Federal-Aid Highway Construction Contractors Annual EEO Reports).

This report should be submitted to the Nevada Department of Transportation by each Contractor and covered subcontractor for the month of July. Subcontractors should report contract and employment data pertaining to their subcontract work only. The staffing figures to be reported under employment data should represent the project work force on board in whole or in part for the last payroll period preceding the end of the month.

The staffing figures to be reported in Table A should include journey-level men and women, apprentices, and on-the-job trainees. Staffing figures to be reported in Tables B and C should only include apprentices and on-the-job trainees as indicated.

ADDITIONAL CONTRACT PROVISIONS
SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES

1. General

- a. Equal employment opportunity requirements not to discriminate and to take affirmative action to assure equal employment opportunity as required by Executive Order 11246 and Executive Order 11375 are set forth in Required Contract Provisions (Form FHWA-1273 or 1316, as appropriate) and these Special Provisions which are imposed pursuant to Section 140 of Title 23, USC, as established by Section 22 of the Federal-Aid Highway Act of 1968. The requirements set forth in these Special Provisions shall constitute the specific affirmative action requirements for project activities under this contract and supplement the equal employment opportunity requirements set forth in the Required Contract Provisions.
- b. The contractor will work with the Nevada Department of Transportation and the Federal Government in carrying out equal employment opportunity obligations and in their review of his/her activities under the contract.
- c. The contractor and all his/her subcontractors holding subcontracts not including material suppliers, of \$10,000 or more, will comply with the following minimum specific requirement activities of equal employment opportunity: (The equal employment opportunity requirements of Executive Order 11246, as set forth in Volume 6, Chapter 4, Section 1, Subsection 1 of the Federal-Aid Highway Program Manual, are applicable to material suppliers as well as contractors and subcontractors.) The contractor will include these requirements in every subcontract of \$10,000 or more with such modification of language as is necessary to make them binding on the subcontractor.

2. Equal Employment Opportunity Policy

The Contractor will accept as his operating policy the following statement which is designed to further the provision of equal employment opportunity to all persons without regard to their race, color, religion, sex, or national origin, and to promote the full realization of equal employment opportunity through a positive continuing program:

It is the policy of this company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, or national origin. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training.

3. Equal Employment Opportunity Officer

The Contractor will designate and make known to the Nevada Department of Transportation contracting officers an equal employment opportunity officer (hereinafter referred to as the EEO Officer) who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of equal employment opportunity and who must be assigned adequate authority and responsibility to do so.

4. Dissemination of Policy

- a. All members of the Contractor's staff who are authorized to hire, supervise, promote, and discharge employees or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the Contractor's equal employment opportunity policy and contractual responsibilities to provide equal employment opportunity in each grade and classification of employment. To insure that the above agreement will be met, the following actions will be taken as a minimum:
 - (1) Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the Contractor's equal employment opportunity policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.
 - (2) All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer or other knowledgeable company official covering all major aspects of the Contractor's equal employment opportunity obligations within thirty days following their reporting for duty with the Contractor.
 - (3) All personnel who are engaged in directed recruitment for the project will be instructed by the EEO Officer or appropriate company official in the Contractor's procedures for locating and hiring minority group employees.
- b. In order to make the Contractor's equal employment opportunity policy known to all employees, prospective employees and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc., the Contractor will take the following actions:
 - (1) Notices and posters setting forth the Contractor's equal employment opportunity policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.
 - (2) The Contractor's equal employment opportunity policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

5. Recruitment

- a. When advertising for employees, the Contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer". All such advertisements will be published in newspapers or other publications, having a large circulation among minority groups in the area from which the project work force would normally be derived.
- b. The Contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants, including, but not limited to, State employment agencies, schools, colleges and minority group organizations. To meet this requirement, the Contractor will, through this EEO Officer, identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the Contractor for employment consideration.

In the event the Contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the Contractor's compliance with equal employment opportunity contract provisions. (The U. S. Department of Labor has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the Contractor to do the same, such implementation violates Executive Order 11246, as amended.)

- c. The Contractor will encourage his present employees to refer minority group applicants for employment by posting appropriate notices or bulletins in areas accessible to all such employees. In addition, information and procedures with regard to referring minority group applicants will be discussed with employees.

6. Personnel Actions

Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, or national origin. The following procedures shall be followed:

- a. The Contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
- b. The Contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- c. The Contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the Contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- d. The Contractor will promptly investigate all complaints of alleged discrimination made to the Contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the Contractor will inform every complainant of all his avenues of appeal.

7. Training and Promotion

- a. The Contractor will assist in locating, qualifying and increasing the skills of minority group and women employees, and applicants for employment.
- b. Consistent with the Contractor's work force requirements and as permissible under Federal and State regulations, the Contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event the Training Special Provision is provided under this contract, this subparagraph will be superseded as indicated in said Training Special Provisions.

- c. The Contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.
- d. The Contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

8. Unions

If the Contractor relies in whole or in part upon unions as a source of employees, the Contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the Contractor either directly or through a Contractor's association acting as agent will include the procedures set forth below:

- a. The Contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.
- b. The Contractor will use best efforts to incorporate an equal employment opportunity clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, or national origin.
- c. The Contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the Contractor, the Contractor shall so certify to the Nevada Department of Transportation and shall set forth what efforts have been made to obtain such information.
- d. In the event the union is unable to provide the Contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the Contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, or national origin, making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The U.S. Department of Labor has held that it shall be no excuse that the union with which the Contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the Contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such Contractor shall immediately notify the Nevada Department of Transportation.

9. Subcontracting

- a. The Contractor will use his best efforts to solicit bids from and to utilize Disadvantaged Business firms (minority and women-owned businesses) as subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of Disadvantaged Business Enterprise firms from the Contract Compliance Office of the Nevada Department of Transportation.

- b. The Contractor will use his best efforts to ensure subcontractor compliance with their equal employment opportunity obligations.

10. Records and Reports

- a. The Contractor will keep such records as are necessary to determine compliance with the Contractor's equal employment opportunity obligations. The records kept by the Contractor will be designed to indicate.
 - (1) The number of minority and non-minority group members and women in each work classification on the project.
 - (2) The progress and efforts being made in cooperation with unions to increase employment opportunities for minorities and women (applicable only to Contractors who rely in whole or in part on unions as a source of their work force),
 - (3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees and,
 - (4) The progress and efforts being made in securing the services of minority group subcontractors or subcontractors with meaningful minority and female representation among their employees.
- b. All such records must be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the Nevada Department of Transportation and the Federal Highway Administration.

ADDITIONAL CONTRACT PROVISIONS
DISADVANTAGED BUSINESS ENTERPRISE
IN FEDERAL-AID HIGHWAY CONSTRUCTION

DISADVANTAGED BUSINESS ENTERPRISE. This project is subject to Part 26, TITLE 49, Code of Federal Regulations entitled "Participation by Disadvantaged Business Enterprises in Department of Transportation Programs."

Policy. It is the policy of the Department of Transportation that disadvantaged business enterprises as defined in 49 CFR Part 26.5 shall have the maximum opportunity to participate in the performance of contracts financed in whole or in part with Federal funds under this agreement. Consequently the DBE requirements of 49 CFR Part 26 apply to this agreement.

Obligation. (i) The recipient or its contractor agrees to ensure that disadvantaged business enterprises as defined in 49 CFR Part 26 have the maximum opportunity to participate in the performance of contracts and subcontracts financed in whole or part with Federal funds provided under this agreement. In this regard all recipients or contractors shall take all necessary and reasonable steps in accordance with 49 CFR Part 26 to ensure that disadvantaged business enterprise have the maximum opportunity to compete for and perform contracts. Recipients and their contractors shall not discriminate on the basis of race, color, national origin, sex or handicap in the award and performance of NDOT assisted contracts.

I. BIDDERS DBE AFFIRMATIVE ACTION REQUIREMENTS

- A. A bidder who intends to subcontract a portion of the work shall certify that affirmative action has been taken to seek out and consider disadvantaged business enterprises and women owned businesses as potential subcontractors.
- B. Affirmative action shall consist of seeking out disadvantaged business enterprises and women owned businesses that are potential subcontractors and actively soliciting their interest, capability and prices and documenting such action.
- C. "Socially and economically disadvantaged individual" means any person who is a citizen or lawful permanent resident of the United States and who is;
 - (a) Black (a person having origins in any of the black racial groups of Africa);
 - (b) Hispanic (a person of Spanish or Portuguese culture with origins in Mexico, South or Central America, or the Carribean Islands, regardless of race);
 - (c) Asian American (a person having origins in any of the original peoples of the Far East. Southeast Asia, the Indian subcontinent, or the Pacific Islands);
 - (d) American Indian and Alaskan Native (a person having origins in any of the original peoples of North America); or
 - (e) A woman
- D. Bidders shall be fully informed respecting the requirements of the Regulations; particular attention is directed to the following matters:
 - (a) A Disadvantaged Business Enterprise (DBE) must be a small business concern as defined pursuant to Section 3 of a U.S. Small Business Act; and 49 CFR Part 26.5

- (b) “Disadvantaged Business” means a small business concern: (a) which is at least 51 percent owned by one or more socially and economically disadvantaged individuals, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more socially and economically disadvantaged individuals; and (b) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individuals who own it.

E. The Contractor shall designate and make known to the Engineer a liaison officer to administer the Contractor’s disadvantaged business enterprise program.

AFFIDAVIT REQUIRED UNDER SECTION 112(c)
of Title 23 United States Code, Act of August 27, 1958
and
Part 29 of Title 49, Code of Federal Regulations,
November 17, 1987.

STATE OF _____ }
COUNTY OF _____ } SS

I, _____ (Name of party signing this
affidavit and the Proposal Form) _____ (title).

being duly sworn do depose and say: That _____

(name of person, firm, association, or corporation) has not, either directly or indirectly, entered into agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this contract; and further that, except as noted below to the best of knowledge, the above named and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

(b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and

(d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(Insert Exceptions, attach additional sheets)

The above exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility and whether or not the Department will enter into contract with the party. For any exception noted, indicate on an attached sheet to whom it applies, initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions. The failure to furnish this affidavit and required exceptions if any shall disqualify the party.

Signature

Title

Sworn to before me this _____ day of _____, 20 _____

Signature

Notary Public, Judge or

(SEAL)
other Official

CERTIFICATION REQUIRED BY SECTION 1352 OF TITLE 31, UNITED STATES CODE

RESTRICTIONS OF LOBBYING USING APPROPRIATED FEDERAL FUNDS

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriate funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Name (please type or print)

Signature

Title

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity in and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee", then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, first Name, and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with Federal officials. Identify the Federal officials. Identify the Federal official(s) or employee(s) contacted or the officer(s), employee(s), or Member(s) of Congress that were contacted.
15. Check whether or not a SF-LL-A Continuation Sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB

0348-0046

<p>1. Type of Federal Actions:</p> <input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance	<p>2. Status of Federal Action:</p> <input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> c. Initial award <input type="checkbox"/> d. post-award	<p>3. Report Type:</p> <input type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change
<p>For Material Change Only: year _____ quarter _____ date of last report _____</p>		
<p>4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input type="checkbox"/> Sub-awardee Tier _____, if known:</p> <p>Congressional District, if known:</p>	<p>5. If Reporting Entity in No. 4 is Sub-awardee, Enter Name and Address of Prime:</p> <p>Congressional District, if known:</p>	
<p>6. Federal Department/Agency:</p>	<p>7. Federal Program Name/Description:</p> <p>CFDA Number, if applicable: _____</p>	
<p>8. Federal Action Number, if know:</p>	<p>9. Award Amount, if known: \$ _____</p>	
<p>10. a. Name and Address of Lobbying Entity <i>(if individual, last name, first name, MI):</i></p> <p style="text-align: center;"><i>(attach Continuation Sheet(s) SF-LLL-A, if necessary)</i></p>	<p>b. Individuals Performing Services <i>(including address if different from No. 10a)</i> <i>(last name, first name, MI):</i></p> <p style="text-align: center;"><i>(attach Continuation Sheet(s) SF-LLL-A, if necessary)</i></p>	
<p>11. Amount of Payment <i>(check all that apply):</i></p> <p>\$ _____ <input type="checkbox"/> actual <input type="checkbox"/> planned</p>	<p>13. Type of Payment <i>(check all that apply):</i></p> <input type="checkbox"/> a. retainer <input type="checkbox"/> b. one-time fee <input type="checkbox"/> c. commission <input type="checkbox"/> d. contingent fee <input type="checkbox"/> e. deferred <input type="checkbox"/> f. other; specify: _____	
<p>12. Form of Payment <i>(check all that apply):</i></p> <input type="checkbox"/> a. cash <input type="checkbox"/> b. in-kind; specify: nature _____ value _____		
<p>14. Brief Description of Services Performed or to be Performed and Date(s) of Service, including officer(s), employee(s), or Member(s) contacted, for Payment indicated in Item 11:</p> <p style="text-align: center;"><i>(attach Continuation Sheet(s) SF-LLL-A, if necessary)</i></p>		
<p>15. Continuation Sheet(s) SF-LLL-A attached: <input type="checkbox"/> Yes <input type="checkbox"/> No</p>		
<p>16. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</p>	<p>Signature: _____ Print Name: _____ Title: _____ Telephone No.: _____ Date: _____</p>	
<p>Federal Use Only:</p>		<p>Authorized for Local Reproduction Standard Form - LLL</p>

BIDDER DISADVANTAGED BUSINESS OR SMALL BUSINESS ENTERPRISE (DBE/SBE) INFORMATION

Contract No.:

Contractor: _____

Project No(s).:

Address: _____

Total Bid Amount \$ _____

Contract DBE/SBE Goal: ____%.

This information must be submitted with the bid proposal. Please list all subcontractors used to fulfill the DBE/SBE requirements for this contract. A bidder unable to meet the DBE/SBE goal shall submit documentation to outline their Good Faith Efforts (GFE) toward meeting the contract goal. Total DBE/SBE participation is subject to verification. Please fill out the form completely. Use additional forms if necessary.

DBE/SBE SUBCONTRACTORS:

DBE/SBE NAME AND ADDRESS	DBE/SBE PHONE NO.	PROPOSAL ITEM NO(S).	100% DBE/SBE SUB BID AMOUNT	DBE/SBE CERTIFICATION NO.*	DESCRIPTION OF WORK OR SERVICES TO BE CONTRACTED OR SUPPLIES TO BE SUPPLIED
A. TOTAL OF SUBCONTRACTOR DBE BID AMOUNT:					

DBE/SBE SUPPLIERS:

DBE/SBE NAME AND ADDRESS	DBE/SBE PHONE NO.	PROPOSAL ITEM NO(S).	100% DBE/SBE SUPPLIER BID AMOUNT	60% DBE/SBE SUPPLIER BID AMOUNT (PARTICIPATION)	DBE/SBE CERTIFICATION NO.*	DESCRIPTION OF WORK OR SERVICES TO BE CONTRACTED OR SUPPLIES TO BE SUPPLIED
B. TOTAL OF SUPPLIER DBE PARTICIPATION AMOUNT:						

C. Total Dollar Value of DBE/SBE Participation (Add Totals from Lines A & B): \$ _____**

D. Total Percent of DBE/SBE Participation (Divide Line C by Total Bid Amount): _____%

Contractor's Signature

Date

*DBEs/SBEs must be certified by the Nevada Unified Certification Program.

**DBE/SBE Participation amount is 100% of the subcontractor's bid amount and 60% of the supplier's bid amount .

Telephone No. _____

Packet Page Number 53

BIDDER SUBCONTRACTOR INFORMATION
 (For subcontractors exceeding five percent (5%) of the bid amount)

Contract No.: _____ Contractor: _____
 Project No(s): _____ Address: _____
 Total Bid Amount \$ _____

This information must be submitted with your bid proposal. The bidder shall enter "NONE" under "SUBCONTRACTOR NAME" if not using subcontractors exceeding 5% of the bid amount.

SUBCONTRACTOR NAME AND ADDRESS	PHONE NO.	PROPOSAL ITEM NO(S)* (7 DIGIT #)	NEVADA CONTRACTOR LICENSE # (IF APPLICABLE)	LICENSE LIMIT (IF APPLICABLE)	DESCRIPTION OF WORK OR SERVICES TO BE SUBCONTRACTED

The undersigned affirms all work, other than that being performed by the subcontractors listed in the subcontractor reports submitted for this contract, will be performed by the Prime Contractor listed above.

* Please list all items (attach a separate sheet if necessary). Do not enter "multiple" or "various."

 Contractor's Signature _____ Date

Telephone No. _____

BIDDER SUBCONTRACTOR INFORMATION

(For subcontractors exceeding one percent (1%) of bid amount or \$50,000, whichever is greater)

Contract No.: _____ Contractor: _____

Project No(s): _____ Address: _____

Bid Amount \$ _____

This information must be submitted by the three (3) lowest bidders **no later than 2 hours after the bid opening time.** The bidder shall enter "NONE" under "SUBCONTRACTOR NAME" if not using subcontractors exceeding 1% of the bid amount.

SUBCONTRACTOR NAME AND ADDRESS	SUBCONTRACTOR PHONE NO.	PROPOSAL ITEM NO(S).* (7 DIGIT #)	NEVADA CONTRACTOR LICENSE # (IF APPLICABLE)	LICENSE LIMIT (IF APPLICABLE)	DESCRIPTION OF WORK OR SERVICES TO BE SUBCONTRACTED

* Please list all items (attach a separate sheet if necessary). Do not enter "multiple" or "various."

_____ Contractor's Signature _____ Date _____

Telephone No. _____

BIDDER SUBCONTRACTOR INFORMATION

(For subcontractors exceeding \$250,000.00)

Contract No.: _____ Contractor: _____

Project No(s) : _____ Address: _____

Bid Amount \$ _____

This information must be submitted, by the three (3) lowest bidders, **no later than 2 hours after the bid opening time.** The bidder shall enter "NONE" under "SUBCONTRACTOR NAME" if not using subcontractors exceeding \$250,000.00.

SUBCONTRACTOR NAME AND ADDRESS	SUBCONTRACTOR PHONE NO.	PROPOSAL ITEM NO(S).* (7 DIGIT #)	NEVADA CONTRACTOR LICENSE # (IF APPLICABLE)	LICENSE LIMIT (IF APPLICABLE)	DESCRIPTION OF WORK OR SERVICES TO BE SUBCONTRACTED

* Please list all items (attach a separate sheet if necessary). Do not enter "multiple" or "various."

Contractor's Signature _____ Date

Telephone No. _____

LIST OF SUBCONTRACTORS AND SUPPLIERS BIDDING

Contract No.:

Contractor: _____

List all subcontractors providing bids to your firm for this contract. You may make copies of this form.

This form must be submitted no later than 5:00 pm the next business day after the bid opening time.

SUBCONTRACTOR NAME AND ADDRESS	SUBCONTRACTOR PHONE NO.	NEVADA CONTRACTOR LICENSE # (IF APPLICABLE)	LICENSE LIMIT (IF APPLICABLE)	USED?	DBE CERTIFIED?	SUPPLIER?
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No
				Yes No	Yes No	Yes No

Attachment C

**AFFIDAVIT REQUIRED UNDER 23 USC SECTION 112(c)
AND 2 CFR PARTS 180 AND 1200 - SUSPENSION OR DEBARMENT**

STATE OF _____ }
COUNTY OF _____ } SS

I, _____ (Name of party signing this affidavit and the Proposal Form) _____ (title).

being duly sworn do depose and say: That _____ (name of person, firm, association, or corporation) has not, either directly or indirectly, entered into agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this contract; and further that, except as noted below to the best of knowledge, the above named and its principals:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public or private agreement or transaction; violation of Federal or State antitrust statutes, including those proscribing price fixing between competitors, allocation of customers between competitors, and bid rigging; commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, tax evasion, receiving stolen property, making false claims, or obstruction of justice; commission of any other offense indicating a lack of business integrity or business honesty that seriously and directly affects your present responsibility;
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(Insert Exceptions, attach additional sheets)

The above exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility and whether or not the Department will enter into contract with the party. For any exception noted, indicate on an attached sheet to whom it applies, initiating agency, and dates of action. Providing false information may result in criminal prosecution or administrative sanctions. The failure to furnish this affidavit and required exceptions if any shall disqualify the party.

Signature

Title

Sworn to before me this _____ day of _____, 20 _____

(SEAL)

Notary Public, Judge or other Official

Attachment D

**CERTIFICATION REQUIRED BY SECTION 1352 OF TITLE 31, UNITED STATES CODE
RESTRICTIONS OF LOBBYING USING APPROPRIATED FEDERAL FUNDS**

The undersigned certifies, to the best of his or her knowledge and belief that:

(1) No Federal appropriate funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

Name (please type or print)

Signature

Title

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether sub-awardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity in and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or sub-award recipient. Identify the tier of the sub-awardee, e.g., the first sub-awardee of the prime is the 1st tier. Sub-awards include but are not limited to subcontracts, sub-grants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Sub-awardee", then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number ; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, first Name, and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with Federal officials. Identify the Federal officials. Identify the Federal official(s) or employee(s) contacted or the officer(s), employee(s), or Member(s) of Congress that were contacted.
15. Check whether or not a SF-LL-A Continuation Sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

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STAFF REPORT

Report To: The Carson City Regional Transportation Commission (RTC)

Meeting Date: June 12, 2019

Staff Contact: Dan Stucky, City Engineer

Agenda Title: For Possible Action – Discussion and possible action to determine that NV NJ Construction Group Inc., is the lowest responsive and responsible bidder pursuant to NRS Chapter 338 and awarding Contract No. 1819-237, CDBG College Parkway ADA Improvements Project, to NV NJ Construction Group Inc., for a total not to exceed amount of \$222,849.

Staff Summary: This project is 100% grant funded and includes but is not limited to removing existing curb, gutter, sidewalk, and AC pavement and installing new concrete curb ramps and driveway aprons. The construction contract is for the base bid amount of \$152,245, additive alternate bid #1 for \$10,530; additive alternate bid #2 for \$14,725; alternate bid #3 for \$25,090, and a 10% contingency amount of \$20,259, to be funded from the Community Development Block Grant (CDBG) fund Construction Account. The engineer's base bid estimate for construction was \$225,000.

Agenda Action: Formal Action/Motion

Time Requested: 10 minutes

Proposed Motion

I move to award the contract as presented.

Background/Issues & Analysis

NOTICE TO CONTRACTORS was published in the Reno Gazette Journal on April 29, 2019. Four bids were opened at approximately 11:10 am on May 22, 2019, at 201 North Carson Street Suite 2, Carson City, NV 89701. Present during the bid opening were Brittney McVay, Sierra Nevada Construction; Leslie Skinner, Spanish Springs Construction; John Kovacs, NV NJ Construction; Jeff Freeman and Brian Elder, Carson City Public Works; and Carol Akers, Carson City Purchasing and Contracts Administrator.

	Base Bid	Alt. #1	Alt. #2	Alt. #3	Total	Total + 10% Contingency
1. NV NJ Construction	\$152,245	\$10,530	\$14,725	\$25,090	\$202,590	\$222,849
2. V & C Construction	\$158,205	\$10,515	\$13,310	\$23,020	\$205,050	\$225,555
3. Spanish Springs Construction	\$216,444	\$14,420	\$18,215	\$30,170	\$279,249	\$307,174
4. Sierra Nevada Construction	\$252,361	\$13,918	\$17,666	\$32,063	\$316,007	\$347,608

Staff recommends award to NV NJ Construction Group Inc., as the lowest responsive and responsible bidder.

Applicable Statute, Code, Policy, Rule or Regulation

-NRS Chapter 338

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number: Community Development Block Grant (CDBG) fund, Construction account (for construction) / 275-0620-465.70-40 (Project# 031807).

Is it currently budgeted? Yes No

Explanation of Fiscal Impact: This project is 100% grant funded, no local match is required. There are sufficient funds in the grant project budget to award this contract.

Alternatives

-Do not approve the contract and provide alternative direction to staff.

Supporting Material

-Exhibit-1: Bid Tab

-Exhibit-2: Draft Contract No. 1819-237

Board Action Taken:

Motion: _____

1) _____

2) _____

Aye/Nay

(Vote Recorded By)

Bid Tabulation Report from Carson City Purchasing & Contracts
775-283-7362

<http://www.carson.org/index.aspx?page=998>

Notice to Contractors Bid# 1819-237 CDBG College Parkway ADA Improvement Project

Date and Time of Opening: May 22, 2019 @ 11:10am

Description			Bidder # 1		Bidder # 2		Bidder #3		Bidder #4		
			NV NJ Construction Group, Inc.		V&C Construction, Inc.		Spanish Springs Construction, Inc.		Sierra Nevada Construction, Inc.		
BONDING Provided, \$, %, or no			10%		5%		5%		5%		
BIDDER acknowledges receipt addendums			Y		Y		Y		Y		
Description	Sched Value	Unit	Unit price	Total price	Unit price	Total price	Unit price	Total price	Unit price	Total price	
Base Bid Items - Schedule A											
1	Mobilization, Demobilization and Clean-Up	1	LS	\$60,000.00	\$60,000.00	\$25,000.00	\$25,000.00	\$14,614.00	\$14,614.00	\$10,000.00	\$10,000.00
2	Traffic Control	1	LS	\$4,000.00	\$4,000.00	\$15,000.00	\$15,000.00	\$13,000.00	\$13,000.00	\$64,621.00	\$64,621.00
3	Storm Water Protection	1	LS	\$1,000.00	\$1,000.00	\$2,500.00	\$2,500.00	\$1,500.00	\$1,500.00	\$2,500.00	\$2,500.00
4	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	1430	SF	\$2.00	\$2,860.00	\$7.50	\$10,725.00	\$8.00	\$11,440.00	\$9.00	\$12,870.00
5	Permanent Pavement Patch – 5" Type 3 PG64-22 on 9" Type 2 Aggregate Base	1,430	SF	\$2.00	\$2,860.00	\$10.00	\$14,300.00	\$17.00	\$24,310.00	\$19.50	\$27,885.00
6	Remove Existing PCC Sidewalk and Flatwork and Haul to Landfill (Dump Tickets Provided by City)	1,500	SF	\$2.00	\$3,000.00	\$6.00	\$9,000.00	\$8.00	\$12,000.00	\$6.00	\$9,000.00
7	Remove PCC Curb and Gutter and Haul to Landfill (Dump Tickets Provided by City)	180	LF	\$10.00	\$1,800.00	\$6.00	\$1,080.00	\$20.00	\$3,600.00	\$20.00	\$3,600.00
8	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	255	SF	\$7.00	\$1,785.00	\$7.50	\$1,912.50	\$8.00	\$2,040.00	\$7.00	\$1,785.00
9	Remove PCC Pedestrian Ramp and Haul to Landfill (Dump Tickets Provided by City)	3750	SF	\$2.00	\$7,500.00	\$5.00	\$18,750.00	\$8.00	\$30,000.00	\$6.00	\$22,500.00
10	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	2450	SF	\$4.00	\$9,800.00	\$9.75	\$23,887.50	\$12.00	\$29,400.00	\$13.00	\$31,850.00
11	Construct Type 1 Curb and Gutter on 6" Aggregate Base	180	LF	\$40.00	\$7,200.00	\$36.00	\$6,480.00	\$60.00	\$10,800.00	\$95.00	\$17,100.00
12	Construct PCC Pedestrian Curb Ramp with Detectable Warning Plate	1820	SF	\$27.00	\$49,140.00	\$13.50	\$24,570.00	\$32.00	\$58,240.00	\$25.00	\$45,500.00
13	Relocate Existing Pedestrian Push Button and Post (Must Coordinate Work With Carson City Signal Crew at least 72 Hours in Advance of Work)	1	EA	\$1,000.00	\$1,000.00	\$3,500.00	\$3,500.00	\$3,500.00	\$3,500.00	\$2,000.00	\$2,000.00
14	Relocate Sign and Post	1	EA	\$100.00	\$100.00	\$500.00	\$500.00	\$500.00	\$500.00	\$750.00	\$750.00
15	Adjust Existing Utility Box to Finish Grade	2	EA	\$100.00	\$200.00	\$500.00	\$1,000.00	\$750.00	\$1,500.00	\$200.00	\$400.00
BP.2 Total Base Bid Price (Schedule A)				\$152,245.00		\$158,205.00		\$216,444.00		\$252,361.00	
Additive Alternate Bid #1 - Schedule B: (Burger King Driveway)											
16	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	290	SF	\$7.00	\$2,030.00	\$7.50	\$2,175.00	\$8.00	\$2,320.00	\$3.50	\$1,015.00
17	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	280	SF	\$5.00	\$1,400.00	\$7.50	\$2,100.00	\$8.00	\$2,240.00	\$4.00	\$1,120.00
18	Permanent Pavement Patch – 5" Type 3 PG64-22 on 8" Type 2 Aggregate Base	280	SF	\$5.00	\$1,400.00	\$10.00	\$2,800.00	\$17.00	\$4,760.00	\$20.50	\$5,740.00
19	Construct PCC Driveway Apron	270	SF	\$20.00	\$5,400.00	\$12.00	\$3,240.00	\$18.00	\$4,860.00	\$21.25	\$5,737.50
20	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	20	SF	\$15.00	\$300.00	\$10.00	\$200.00	\$12.00	\$240.00	\$15.25	\$305.00
BP.3 Total Additive Alternate Bid #1 Price (Schedule B)				\$10,530.00		\$10,515.00		\$14,420.00		\$13,917.50	
Additive Alternate Bid #2 - Schedule C: (Port of Subs Shopping Center Driveway)											
21	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	365	SF	\$7.00	\$2,555.00	\$7.50	\$2,737.50	\$8.00	\$2,920.00	\$5.40	\$1,971.00
22	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	355	SF	\$7.00	\$2,485.00	\$7.50	\$2,662.50	\$8.00	\$2,840.00	\$7.00	\$2,485.00
23	Permanent Pavement Patch – 5" Type 3 PG64-22 on 8" Type 2 Aggregate Base	355	SF	\$7.00	\$2,485.00	\$10.00	\$3,550.00	\$17.00	\$6,035.00	\$16.00	\$5,680.00
24	Construct PCC Driveway Apron	330	SF	\$20.00	\$6,600.00	\$12.00	\$3,960.00	\$18.00	\$5,940.00	\$21.00	\$6,930.00
25	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	40	SF	\$15.00	\$600.00	\$10.00	\$400.00	\$12.00	\$480.00	\$15.00	\$600.00
BP.4 Total Additive Alternate Bid #3 Price (Schedule C)				\$14,725.00		\$13,310.00		\$18,215.00		\$17,666.00	
Additive Alternate Bid #3 - Schedule D: (7-Eleven West Driveway)											
26	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	1050	SF	\$2.00	\$2,100.00	\$7.50	\$7,875.00	\$8.00	\$8,400.00	\$4.15	\$4,357.50
	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	110	SF	\$7.00	\$770.00	\$7.50	\$825.00	\$8.00	\$880.00	\$5.00	\$550.00
	Permanent Pavement Patch – 5" Type 3 PG64-22 on 8" Type 2 Aggregate Base	110	SF	\$7.00	\$770.00	\$10.00	\$1,100.00	\$17.00	\$1,870.00	\$25.00	\$2,750.00
	Construct PCC Driveway Apron	390	SF	\$20.00	\$7,800.00	\$12.00	\$4,680.00	\$18.00	\$7,020.00	\$22.00	\$8,580.00
	Construct PCC Retaining Curb	30	LF	\$30.00	\$900.00	\$28.00	\$840.00	\$20.00	\$600.00	\$85.00	\$2,550.00
	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	50	SF	\$15.00	\$750.00	\$10.00	\$500.00	\$12.00	\$600.00	\$13.50	\$675.00
	Construct PCC Driveway Transition	600	SF	\$20.00	\$12,000.00	\$12.00	\$7,200.00	\$18.00	\$10,800.00	\$21.00	\$12,600.00
Total Additive Alternate Bid #3 Price (Schedule D)				\$25,090.00		\$23,020.00		** \$30,170.00		\$32,062.50	
Total Bid Price written in words? y/n			Y		Y		Y		Y		
Bidder Information provided? y/n			Y		Y		Y		Y		
Sub Contractors listed? y/n or none			Y		Y		Y		Y		
Bid Document executed? y/n			Y		Y		Y		Y		

**Spanish Springs Construction has a total on Bid#3 of \$30,170.00 but has written as \$20,890.00

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CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

THIS CONTRACT made and entered into this 12th day of June, 2019, by and between Carson City, a consolidated municipality, a political subdivision of the State of Nevada, hereinafter referred to as "CITY", and NV NJ Construction Group Inc., hereinafter referred to as "CONTRACTOR".

WITNESSETH:

WHEREAS, the Purchasing and Contracts Administrator for **CITY** is authorized pursuant to Nevada Revised Statutes (hereinafter referred to as "NRS") 338 and Carson City Purchasing Resolution #1990-R71, to approve and accept this Contract as set forth in and by the following provisions; and

WHEREAS, this Contract involves a "public work," which pursuant to NRS 338.010(17) means any project for the new construction, repair or reconstruction of an applicable project financed in whole or in part from public money; and

WHEREAS, CONTRACTOR'S compensation under this agreement (does X) (does not) utilize in whole or in part money derived from one or more federal grant funding source(s); and

WHEREAS, it is deemed necessary that the services of **CONTRACTOR** for **CONTRACT No. 1819-237**, titled **CDBG College Parkway ADA Improvements Project** (hereinafter referred to as "Contract") are both necessary and in the best interest of **CITY**; and

NOW, THEREFORE, in consideration of the aforesaid premises, and the following terms, conditions and other valuable consideration, the parties mutually agree as follows:

1. REQUIRED APPROVAL:

This Contract shall not become effective until and unless approved by the Carson City Regional Transportation Commission.

2. SCOPE OF WORK (Incorporated Contract Documents):

2.1 The parties agree that the Scope of Work will be specifically described and hereinafter referred to as the "WORK." This Contract incorporates the following attachments, and a **CONTRACTOR'S** attachment shall not contradict or supersede any **CITY** specifications and/or terms or conditions without written evidence of mutual assent to such change appearing in this Contract:

2.1.1 **CONTRACTOR** agrees that the Contract Documents for Bid No.1819-237 including, but not limited to, the Notice to Contractors, Table of Contents, Project Coordination, Instructions to Bidders, Contract Award Information, General Conditions, Special Conditions, Technical Specification, Prevailing Wages, Contract Drawings, and Addenda, if any, are intended to be complete and complementary and are intended to describe a complete WORK. These documents are incorporated herein by reference and made a part of this Contract. All of these documents can be reviewed in person at the Public Works Department 3505 Butti Way, Carson City, Nevada, 89701 or on the Carson City Website <http://ww.carson.org/bids>.

2.1.2 **CONTRACTOR** additionally agrees **CONTRACTOR'S** Bid Bond, Bid Proposal, Proposal Summary, Executed Contract, Performance Bond, Labor and Material Bond, Certificate of Eligibility, Insurance Certificates, Permits, Notice of Award, Notice to Proceed and Executed Change Orders, hereinafter all referred to as Exhibit A, are incorporated herein and made a part of this Contract.

For P&C Use Only
CCBL expires _____
NVCL expires _____
GL expires _____
AL expires _____
WC expires _____

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

3. CONTRACT TERM AND LIQUIDATED DAMAGES:

3.1 **CONTRACTOR** agrees to complete the WORK on or before the date specified in the Notice to Proceed or any executed Change Orders to the entire satisfaction of **CITY** before final payment is made, unless sooner termination by either party as specified in **Section 6** (CONTRACT TERMINATION) and the General Conditions, Section GC 3.18.

3.2 Pursuant to the provisions under Time for Completion and Liquidated Damages in the Contract Documents of said Specifications, **CONTRACTOR** will complete the WORK within the Contract time. Since **CITY** and **CONTRACTOR** agree it is difficult to ascertain the actual amount of damages incurred due to delay of the Project, it is agreed that **CITY** will be paid the liquidated damages as specified in the Contract Special Conditions for each and every calendar day of delay in the completion of the WORK, in addition to any direct charges incurred by **CITY** as a result of delay of the Project, including engineering fees and additional damages due to late construction. **CITY** also reserves the right to deduct any amounts due **CITY** from any monies earned by **CONTRACTOR** under this Contract.

3.3 That in the performance of this Contract, **CONTRACTOR** and any subcontractors, as employers, shall pay 1 ½ times an employee's regular wage rate whenever an employee who received compensation for employment at a rate less than 1 ½ time the minimum wage who works more than forty (40) hours in any scheduled work week, more than eight (8) hours in a day, unless by mutual agreement the employee works a scheduled ten (10) hours per day for four (4) calendar days within a work week. Employers should refer to NRS 608.018, NRS 338.020 and A.O. 2013-04 for further details on overtime requirements.

4. NOTICE:

4.1 Except the bid and award process where notices may be limited to postings by **CITY** on its Bid Opportunities website (www.carson.org), all notices or other communications required or permitted to be given under this Contract shall be in writing and shall be deemed to have been duly given if delivered personally in hand, by e-mail, by regular mail, by telephonic facsimile with simultaneous regular mail, or by certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other party at the address specified below.

4.2 Notice to **CONTRACTOR** shall be addressed to:

John Kovacs, President
NV NJ Construction Group, Inc.
9788 Gillespie St. Suite #417
Las Vegas, NV 89183
732-262-7449 / FAX 732-262-7795
diamondjohna@yahoo.com

4.3 Notice to **CITY** shall be addressed to:

Carson City Purchasing and Contracts Department
Carol Akers
201 North Carson Street, Suite 2
Carson City, NV 89701
775-283-7124 / FAX 775-887-2286
CAkers@carson.org

5. COMPENSATION:

5.1 The parties agree that **CONTRACTOR** will provide the WORK specified in the Contract for the Contract Amount of Two Hundred Two Thousand Five Hundred Ninety Dollars and 00/100 (\$202,590.00).

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

5.2 CITY will pay CONTRACTOR progress payments and the final payment computed from the actual quantities of WORK performed and accepted and the materials furnished at the Unit and Lump Sum prices shown on CONTRACTOR'S Bid Proposal and any executed Change Orders.

5.3 Contract Amount represents full and adequate compensation for the complete WORK, and includes the furnishing of all materials, all labor, equipment, tools, transportation, services, appliances, and all expenses, direct or indirect connected with the proper execution of the WORK.

5.4 CITY does not agree to reimburse CONTRACTOR for expenses unless otherwise specified.

6. CONTRACT TERMINATION:

6.1 Termination Without Cause:

6.1.1 Any discretionary or vested right of renewal notwithstanding, this Contract may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.

6.1.2 CITY reserves the right to terminate this Contract for convenience whenever it considers termination, in its sole and unfettered discretion, to be in the public interest. In the event that the Contract is terminated in this manner, payment will be made for WORK actually completed. If termination occurs under this provision, in no event shall CONTRACTOR be entitled to anticipated profits on items of WORK not performed as of the effective date of the termination or compensation for any other item, including but not limited to, unabsorbed overhead. CONTRACTOR shall require that all subcontracts which it enters related to this Contract likewise contain a termination for convenience clause which precludes the ability of any subcontractor to make claims against CONTRACTOR for damages due to breach of contract, lost profit on items of WORK not performed, or unabsorbed overhead, in the event of a convenience termination.

6.2 Termination for Nonappropriation:

6.2.1 All payments and WORK provided under this Contract are contingent upon the availability of the necessary public funding, which may include various internal and external sources. In the event that Carson City does not acquire and appropriate the funding necessary to perform in accordance with the terms of the Contract, the Contract shall automatically terminate upon CITY'S notice to CONTRACTOR of such nonappropriation, and no claim or cause of action may be based upon any such nonappropriation.

6.3 Cause Termination for Default or Breach:

6.3.1 A default or breach may be declared with or without termination.

6.3.2 This Contract may be terminated by either party upon written notice of default or breach to the other party as follows:

6.3.2.1 If CONTRACTOR fails to provide or satisfactorily perform any of the conditions, WORK, deliverables, goods, or any services called for by this Contract within the time requirements specified in this Contract or within any granted extension of those time requirements; or

6.3.2.2 If any state, county, city or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by CONTRACTOR to provide the goods or WORK or any services required by this Contract is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

6.3.2.3 If **CONTRACTOR** becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or

6.3.2.4 If **CITY** materially breaches any material duty under this Contract and any such breach impairs **CONTRACTOR'S** ability to perform; or

6.3.2.5 If it is found by **CITY** that any quid pro quo or gratuities in the form of money, services, entertainment, gifts, or otherwise were offered or given by **CONTRACTOR**, or any agent or representative of **CONTRACTOR**, to any officer or employee of **CITY** with a view toward securing a contract or securing favorable treatment with respect to awarding, extending, amending, or making any determination with respect to the performing of such contract; or

6.3.2.6 If it is found by **CITY** that **CONTRACTOR** has failed to disclose any material conflict of interest relative to the performance of this Contract.

6.3.2.7 **CITY** may terminate this Contract if **CONTRACTOR**:

6.3.2.7.1 Fails to maintain bonding, Nevada State Contractors' Board License, State Industrial Insurance requirements or insurance policies for limits as defined in this Contract; or

6.3.2.7.2 Persistently or materially refuses or fails to supply properly skilled workers or proper materials; or

6.3.2.7.3 Fails to make payment to subcontractors for materials or labor in accordance with the respective agreements between **CONTRACTOR** and the subcontractors; or

6.3.2.7.4 Disregards laws, ordinances, or rules, regulations or order of a public authority having jurisdiction; or

6.3.2.7.5 Otherwise makes a material breach of a provision of this Contract; or

6.3.2.7.6 **CONTRACTOR** fails to maintain safe working conditions.

6.3.3 When any of the Subsection 6.3.2.7.1 through 6.3.2.7.6, inclusive, cause reasons exist, and without prejudice to any other rights or remedies of **CITY**, **CITY** may terminate this Contract at any time after giving **CONTRACTOR** and **CONTRACTOR'S** Surety seven (7) calendar days written notice of default or breach and intent to terminate and **CONTRACTOR'S** subsequent failure to timely correct as provided below, and subject to any prior rights of the Surety, **CITY** may:

6.3.3.1 Take possession of the site and of all materials, equipment, tools and construction equipment and machinery thereon owned by **CONTRACTOR**;

6.3.3.2 Accept assignment of subcontractors pursuant to this Contract (Contingent Assignment of Subcontracts to Carson City if this Contract is terminated); and

6.3.3.3 Finish the WORK by whatever reasonable method **CITY** may deem expedient.

6.3.4 If **CITY** terminates this Contract for any of the cause reasons stated in Section 6.3:

6.3.4.1 **CONTRACTOR** shall not be entitled to receive further payment until the WORK

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

is finished.

6.3.4.2 If the unpaid balance of the Contract Amount exceeds the cost of finishing the WORK including expenses made necessary thereby, such excess shall be paid to **CONTRACTOR**. If the costs of finishing the WORK exceed the unpaid balance, **CONTRACTOR** shall pay the difference to **CITY**. The amount to be paid to **CONTRACTOR** or **CITY**, as the case may be, shall survive termination of this Contract.

6.3.4.3 In the event of such cause termination, all monies due **CONTRACTOR** or retained under the terms of this Contract shall be held by **CITY**, however, such holdings will not release **CONTRACTOR** or its Sureties from liability for failure to fulfill this Contract. Any excess cost over and above the Contract Amount incurred by **CITY** arising from the termination of the operations of this Contract and the completion of the WORK by **CITY** as provided above shall be paid for by any available funds held by **CITY**. **CONTRACTOR** will be so credited with any surplus remaining after all just claims for such completion have been paid.

6.4 If at any time before completion of the WORK under this Contract, the WORK shall be stopped by an injunction of a court of competent jurisdiction or by order of any competent government authority, **CITY** may give immediate notice to **CONTRACTOR** to discontinue the WORK and terminate this Contract. **CONTRACTOR** shall discontinue the WORK in such manner, sequence, and at such times as **CITY** may direct. **CONTRACTOR** shall have no claim for damages for such discontinuance or termination, nor any claim for anticipated profits on the WORK thus dispensed with, nor for any claim for penalty, nor for any other claim such as unabsorbed overhead, except for the WORK actually performed up to the time of discontinuance, including any extra WORK ordered by **CITY** to be done.

6.5 Time to Correct (Declared Default or Breach):

6.5.1 Termination upon a declared default or breach may be exercised only after providing 7 (seven) calendar days written notice of default or breach, and the subsequent failure of the defaulting or breaching party, within five (5) calendar days of providing that default or breach notice, to provide evidence satisfactory to the aggrieved party demonstrating that the declared default or breach has been corrected. Time to correct shall run concurrently with any notice of default or breach and such time to correct is not subject to any stay with respect to the nonexistence of any Notice of Termination. Untimely correction shall not void the right to termination otherwise properly noticed unless waiver of the noticed default or breach is expressly provided in writing by the aggrieved party. There shall be no time to correct with respect to any notice of termination without cause, termination for nonappropriation or termination due to court injunction or order of a competent government authority.

6.6 Winding Up Affairs Upon Termination:

6.6.1 In the event of termination of this Contract for any reason, the parties agree that the provisions of this **Subsection 6.6** survive termination:

6.6.1.1 The parties shall account for and properly present to each other all claims for fees and expenses and pay those which are undisputed and otherwise not subject to set off under this Contract. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination; and

6.6.1.2 **CONTRACTOR** shall satisfactorily complete WORK in progress at the agreed rate (or a pro rata basis if necessary) if so requested by **CITY**; and

6.6.1.3 **CONTRACTOR** shall execute any documents and take any actions necessary to effectuate an assignment of this Contract if so requested by **CITY**; and

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6.6.1.4 **CONTRACTOR** shall preserve, protect, and promptly deliver into **CITY** possession all proprietary information in accordance with **Section 21**.

6.7 Notice of Termination:

6.7.1 Unless otherwise specified in this Contract, termination shall not be effective until seven (7) calendar days after a party has provided written notice of default or breach, or notice of without cause termination. Notice of Termination may be given at the time of notice of default or breach, or notice of without cause termination. Notice of Termination may be provided separately at any time after the running of the 7-day notice period, and such termination shall be effective on the date the Notice of Termination is provided to the party unless a specific effective date is otherwise set forth therein. Any delay in providing a Notice of Termination after the 7-day notice period has run without a timely correction by the defaulting or breaching party shall not constitute any waiver of the right to terminate under the existing notice(s).

7. DAVIS-BACON & RELATED ACTS 29 CFR PARTS 1,3,5,6,&7 AND NRS 338.070(5):

7.1 **CONTRACTOR** shall comply with Davis-Bacon Act and NRS 338.070(5). **CONTRACTOR** and each covered contractor or subcontractor must provide a weekly statement of wages paid to each of its employees engaged in covered WORK. The statement shall be executed by **CONTRACTOR** or subcontractor or by an authorized officer or employee of **CONTRACTOR** or subcontractor who supervised the payment of wages and shall be on the "Statement of Compliance" form. **CONTRACTOR** shall submit a Statement of Compliance that is prescribed by the Nevada Labor Commissioner or contains identical wording. Per NRS 338.070(6) the records maintained pursuant to subsection 5 must be open at all reasonable hours to the inspection of the public body (the **CITY'S** representative) awarding the contract. The **CONTRACTOR** engaged on the public work or subcontractor engaged on the public work shall ensure that a copy of each record for each calendar month is received by the public body awarding the contract (the **City**) **no later than 15 days after the end of the month**.

7.2 In the event federal funds are used for payment of all or part of this Contract, **CONTRACTOR** shall submit a Statement of Compliance form WH347 or a form with identical wording and a Statement of Compliance prescribed by the Nevada Labor Commissioner **within 7 days after the regular pay date for the pay period**. The original Statements shall be delivered to Carson City Public Works, 3505 Butti Way, Carson City, Nevada 89703, attention Davis-Bacon/Federal Funding Compliance.

7.3 CERTIFIED PAYROLLS FOR DAVIS-BACON AND PREVAILING WAGE PROJECTS:

7.3.1 The higher of the Federal or local prevailing wage rates for **CITY**, as established by the Nevada Labor Commission and the Davis-Bacon Act, shall be paid for all classifications of labor on this project WORK. Should a classification be missing from the Davis-Bacon rates the **CONTRACTOR** shall complete a request of authorization for additional classification or rate form SF1444 in its entirety and submit it to the **CITY** for approval and submission to the U.S. Department of Labor. Also, in accordance with NRS 338, the hourly and daily wage rates for the State and Davis-Bacon must be posted at the work site by **CONTRACTOR**. **CONTRACTOR** shall ensure that a copy of **CONTRACTOR'S** and subcontractor's certified payrolls for each calendar week are received by **CITY**.

7.3.2 Per NRS 338.070(5) a **CONTRACTOR** engaged on a public work and each subcontractor engaged on the public work shall keep or cause to be kept:

(a) An accurate record showing, for each worker employed by the contractor or subcontractor in connection with the public work:

(1) The name of the worker;

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(2) The occupation of the worker;

(3) The gender of the worker, if the worker voluntarily agreed to specify that information pursuant to subsection 4, or an entry indicating that the worker declined to specify such information;

(4) The ethnicity of the worker, if the worker voluntarily agreed to specify that information pursuant to subsection 4, or an entry indicating that the worker declined to specify such information;

(5) If the worker has a driver's license or identification card, an indication of the state or other jurisdiction that issued the license or card; and

(6) The actual per diem, wages and benefits paid to the worker; and

(b) An additional accurate record showing, for each worker employed by the contractor or subcontractor in connection with the public work who has a driver's license or identification card:

(1) The name of the worker;

(2) The driver's license number or identification card number of the worker; and

(3) The state or other jurisdiction that issued the license or card.

7.3.3 The original payroll records shall be certified and shall be submitted weekly to Carson City Public Works, 3505 Butti Way, Carson City, Nevada 89703, attention Davis-Bacon/Federal Funding Compliance. Submission of such certified payrolls shall be a condition precedent for processing the monthly progress payment. **CONTRACTOR**, as General Contractor, shall collect the wage reports from the subcontractors and ensure the receipt of a certified copy of each weekly payroll for submission to **CITY** as one complete package.

7.3.4 Pursuant to NRS 338.060 and 338.070, **CONTRACTOR** hereby agrees to forfeit, as a penalty to **CITY**, not less than Twenty Dollars (\$20) nor more than Fifty Dollars (\$50) for each calendar day or portion thereof that each worker employed on the Contract is paid less than the designated rate for any WORK done under the Contract, by **CONTRACTOR** or any subcontractor under him/her, or is not reported to **CITY** as required by NRS 338.070.

8. **FAIR EMPLOYMENT PRACTICES:**

8.1 Pursuant to NRS 338.125, Fair Employment Practices, the following provisions must be included in any contract between **CONTRACTOR** and a public body such as **CITY**:

8.1.1 ***In connection with the performance of work under this Contract, CONTRACTOR agrees not to discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, sexual orientation, gender identity, or age, including, without limitation, with regard to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including without limitation, apprenticeship.***

8.1.2 **CONTRACTOR** further agrees to insert this provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

8.2 If the CITY was required by NRS 332.039(1) to advertise or request a proposal for this Agreement, by signing this Agreement, the **CONTRACTOR** provides a written certification that the **CONTRACTOR** is not currently engaged in, and during the Term shall not engage in, a Boycott of Israel. The term "Boycott of Israel" has the meaning ascribed to that term in Section 3 of Nevada Senate Bill 26

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(2017). The CONTRACTOR shall be responsible for fines, penalties, and payment of any State of Nevada or federal funds that may arise (including those that the CITY pays, becomes liable to pay, or becomes liable to repay) as a direct result of the CONTRACTOR's non-compliance with this Section.

9. PREFERENTIAL EMPLOYMENT:

9.1 Unless, and except if, this Contract is funded in whole or in part by federal grant funding (see 40 C.F.R. § 31.36(c) *Competition*), pursuant to NRS 338.130, in all cases where persons are employed in the construction of public works, preference must be given, the qualifications of the applicants being equal: (1) First: To persons who have been honorably discharged from the Army, Navy, Air Force, Marine Corps or Coast Guard of the United States, a reserve component thereof or the National Guard; and are citizens of the State of Nevada. (2) Second: To other citizens of the State of Nevada.

9.2 Unless, and except if, this Contract is funded in whole or in part by federal grant funding (see 40 CFR § 31.36(c) *Competition*), in connection with the performance of WORK under this Contract, **CONTRACTOR** agrees to comply with the provisions of NRS 338.130 requiring certain preferences to be given to which persons are employed in the construction of a public work. If **CONTRACTOR** fails to comply with the provisions of NRS 338.130, pursuant to the terms of NRS 338.130(3), this Contract is void, and any failure or refusal to comply with any of the provisions of this section renders this Contract void.

10. REMEDIES:

Except as otherwise provided for by law or this Contract, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including, without limitation, actual damages, and to a prevailing party reasonable attorney's fees and costs. The parties agree that, in the event a lawsuit is filed and a party is awarded attorney's fees by the court, for any reason, the amount of recoverable attorney's fees shall not exceed the rate of \$125 per hour. **CITY** may set off consideration against any unpaid obligation of **CONTRACTOR** to **CITY**.

11. LIMITED LIABILITY:

CITY will not waive and intends to assert available NRS Chapter 41 liability limitations in all cases. Contract liability of both parties shall not be subject to punitive damages. Liquidated damages shall not apply unless otherwise expressly provided for elsewhere in this Contract. Damages for any **CITY** breach shall never exceed the amount of funds appropriated for payment under this Contract, but not yet paid to **CONTRACTOR**, for the fiscal year budget in existence at the time of the breach. **CONTRACTOR'S** tort liability shall not be limited.

12. FORCE MAJEURE:

Neither party shall be deemed to be in violation of this Contract if it is prevented from performing any of its obligations hereunder due to strikes, failure of public transportation, civil or military authority, act of public enemy, accidents, fires, explosions, or acts of God, including, without limitation, earthquakes, floods, winds, or storms. In such an event the intervening cause must not be through the fault of the party asserting such an excuse, and the excused party is obligated to promptly perform in accordance with the terms of this Contract after the intervening cause ceases.

13. INDEMNIFICATION:

13.1 To the extent permitted by law, including, but not limited to, the provisions of NRS Chapter 41, each party shall indemnify, hold harmless and defend, not excluding the other's right to participate, the other party from and against all liability, claims, actions, damages, losses, and expenses, including but not limited to reasonable attorney's fees and costs, arising out of any alleged negligent or willful acts or omissions of the indemnifying party, its officers, employees and agents. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of the indemnity which would otherwise exist as to any party or person described in this Section.

13.2 Except as otherwise provided in **Subsection 13.4** below, the indemnifying party shall not be obligated to provide a legal defense to the indemnified party, nor reimburse the indemnified party for the

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same, for any period occurring before the indemnified party provides written notice of the pending claim(s) or cause(s) of action to the indemnifying party, along with:

13.2.1 a written request for a legal defense for such pending claim(s) or cause(s) of action; and

13.2.2 a detailed explanation of the basis upon which the indemnified party believes that the claim or cause of action asserted against the indemnified party implicates the culpable conduct of the indemnifying party, its officers, employees, and/or agents.

13.3 After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall not be obligated to fund or reimburse any fees or costs provided by any additional counsel for the indemnified party, including counsel through which the indemnified party might voluntarily choose to participate in its defense of the same matter.

13.4 After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall be obligated to reimburse the reasonable attorney's fees and costs incurred by the indemnified party during the initial thirty (30) day period of the claim or cause of action, if any, incurred by separate counsel.

14. INDEPENDENT CONTRACTOR:

14.1 **CONTRACTOR**, as an independent contractor, is a natural person, firm or corporation who agrees to perform WORK for a fixed price according to his or its own methods and without subjection to the supervision or control of the **CITY**, except as to the results of the WORK, and not as to the means by which the WORK are accomplished.

14.2 It is mutually agreed that **CONTRACTOR** is associated with **CITY** only for the purposes and to the extent specified in this Contract, and in respect to performance of the contracted WORK pursuant to this Contract. **CONTRACTOR** is and shall be an independent contractor and, subject only to the terms of this Contract, shall have the sole right to supervise, manage, operate, control, and direct performance of the details incident to its duties under this Contract.

14.3 Nothing contained in this Contract shall be deemed or construed to create a partnership or joint venture, to create relationships of an employer-employee or principal-agent, or to otherwise create any liability for **CITY** whatsoever with respect to the indebtedness, liabilities, and obligations of **CONTRACTOR** or any other party.

14.4 **CONTRACTOR**, in addition to Section 13 (INDEMNIFICATION), shall indemnify and hold **CITY** harmless from, and defend **CITY** against, any and all losses, damages, claims, costs, penalties, liabilities, expenses arising out of or incurred in any way because of, but not limited to, **CONTRACTOR'S** obligations or legal duties regarding any taxes, fees, assessments, benefits, entitlements, notice of benefits, employee's eligibility to work, to any third party, subcontractor, employee, state, local or federal governmental entity.

14.5 Neither **CONTRACTOR** nor its employees, agents, or representatives shall be considered employees, agents, or representatives of **CITY**.

15. INSURANCE REQUIREMENTS (GENERAL):

15.1 **NOTICE: The following general insurance requirements shall apply unless these general requirements are altered by the specific requirements set forth in CITY'S solicitation for bid document, the adopted bid or other document incorporated into this Contract by the parties. These general insurance requirements do not include terms related to bond(s) required for this Contract, which are set forth in the CITY'S solicitation and below in this Contract following the execution pages.**

15.2 **CONTRACTOR**, as an independent contractor and not an employee of **CITY**, must carry policies of insurance in amounts specified and pay all taxes and fees incident hereunto. **CITY** shall have no liability except as specifically provided in this Contract.

15.3 **CONTRACTOR** shall not commence work before: (1) **CONTRACTOR** has provided the required evidence of insurance to **CITY** Purchasing and Contracts, and (2) **CITY** has approved the insurance policies provided by **CONTRACTOR**.

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15.4 Prior approval of the insurance policies by **CITY** shall be a condition precedent to any payment of consideration under this Contract and **CITY'S** approval of any changes to insurance coverage during the course of performance shall constitute an ongoing condition subsequent this Contract. Any failure of **CITY** to timely approve shall not constitute a waiver of the condition.

15.5 *Insurance Coverage (15.6 through 15.23):*

15.6 **CONTRACTOR** shall, at **CONTRACTOR'S** sole expense, procure, maintain and keep in force for the duration of this Contract the following insurance conforming to the minimum requirements specified below. Unless specifically specified herein or otherwise agreed to by **CITY**, the required insurance shall be in effect prior to the commencement of work by **CONTRACTOR** and shall continue in force as appropriate until the later of:

15.6.1 Final acceptance by **CITY** of the completion of this Contract; or

15.6.2 Such time as the insurance is no longer required by **CITY** under the terms of this Contract.

15.6.3 Any insurance or self-insurance available to **CITY** under its coverage(s) shall be in excess of and non-contributing with any insurance required from **CONTRACTOR**. **CONTRACTOR'S** insurance policies shall apply on a primary basis. Until such time as the insurance is no longer required by **CITY**, **CONTRACTOR** shall provide **CITY** with renewal or replacement evidence of insurance no less than thirty (30) calendar days before the expiration or replacement of the required insurance. If at any time during the period when insurance is required by this Contract, an insurer or surety shall fail to comply with the requirements of this Contract, as soon as **CONTRACTOR** has knowledge of any such failure, **CONTRACTOR** shall immediately notify **CITY** and immediately replace such insurance or bond with an insurer meeting the requirements.

15.7 *General Insurance Requirements (15.8 through 15.23):*

15.8 **Certificate Holder:** Each certificate shall list Carson City c/o Carson City Purchasing and Contracts, 201 N. Carson Street, Suite 2, Carson City, NV 89701 as a certificate holder.

15.9 **Additional Insured:** By endorsement to the general liability insurance policy evidenced by **CONTRACTOR**, The City and County of Carson City, Nevada, its officers, employees and immune contractors shall be named as additional insureds for all liability arising from this Contract.

15.10 **Waiver of Subrogation:** Each liability insurance policy, except for professional liability, shall provide for a waiver of subrogation in favor of the City.

15.11 **Cross-Liability:** All required liability policies shall provide cross-liability coverage as would be achieved under the standard ISO separation of insureds clause.

15.12 **Deductibles and Self-Insured Retentions:** Insurance maintained by **CONTRACTOR** shall apply on a first dollar basis without application of a deductible or self-insured retention unless otherwise specifically agreed to by **CITY**. Such approval shall not relieve **CONTRACTOR** from the obligation to pay any deductible or self-insured retention. Any deductible or self-insured retention shall not exceed \$5,000.00 per occurrence, unless otherwise approved by **CITY**.

15.13 **Policy Cancellation:** Except for ten (10) calendar days notice for non-payment of premium, **CONTRACTOR** or its insurers must provide thirty (30) calendar days prior written notice to Carson City Purchasing and Contracts if any policy will be canceled, non-renewed or if required coverage and /or limits reduced or materially altered, and shall provide that notices required by this paragraph shall be sent by mail to Carson City Purchasing and Contracts, 201 N. Carson Street, Suite 2, Carson City, NV 89701. When available, each insurance policy shall be endorsed to provide thirty (30) days' notice of cancellation, except for ten (10) days' notice for non-payment of premium, to City.

15.14 **Approved Insurer:** Each insurance policy shall be issued by insurance companies authorized to do business in the State of Nevada or eligible surplus lines insurers under federal and Nevada law and having agents in Nevada upon whom service of process may be made, and currently rated by A.M. Best as "A-VII" or better.

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15.15 **Evidence of Insurance:** Prior to commencement of work, **CONTRACTOR** must provide the following documents to Carson City Purchasing and Contracts, 201 North Carson Street, Suite 2, Carson City, NV 89701:

15.16 **Certificate of Insurance:** Contractor shall furnish City with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth herein. The Acord 25 Certificate of Insurance form or a form substantially similar must be submitted to Carson City Purchasing and Contracts to evidence the insurance policies and coverages required of **CONTRACTOR**.

15.17 **Additional Insured Endorsement:** An Additional Insured Endorsement (CG20 10 or C20 26), signed by an authorized insurance company representative, must be submitted to Carson City Purchasing and Contracts to evidence the endorsement of **CITY** as an additional insured per **Subsection 15.9** (Additional Insured).

15.18 **Schedule of Underlying Insurance Policies:** If Umbrella or Excess policy is evidenced to comply with minimum limits, a copy of the Underlying Schedule from the Umbrella or Excess insurance policy may be required.

15.19 **Review and Approval:** Documents specified above must be submitted for review and approval by **CITY** Purchasing and Contracts prior to the commencement of work by **CONTRACTOR**. Neither approval by **CITY** nor failure to disapprove the insurance furnished by **CONTRACTOR** shall relieve **CONTRACTOR** of **CONTRACTOR'S** full responsibility to provide the insurance required by this Contract. Compliance with the insurance requirements of this Contract shall not limit the liability of **CONTRACTOR** or its sub-contractors, employees or agents to **CITY** or others, and shall be in addition to and not in lieu of any other remedy available to **CITY** under this Contract or otherwise. **CITY** reserves the right to request and review a copy of any required insurance policy or endorsement to assure compliance with these requirements.

15.20 **COMMERCIAL GENERAL LIABILITY INSURANCE:**

Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella insurance with a limit of not less than \$1,000,000 each occurrence.

15.20.1 *Minimum Limits required:*

15.20.2 Two Million Dollars (\$2,000,000.00) - General Aggregate.

15.20.3 Two Million Dollars (\$2,000,000.00) - Products & Completed Operations. Aggregate

15.20.4 One Million Dollars (\$1,000,000.00) - Each Occurrence.

15.20.5 CGL insurance shall be written on ISO occurrence form CG 00 01 04 13 (or a substitute form providing equivalent coverage) and shall cover liability arising from premises, operations, products-completed operations, personal and advertising injury, and liability assumed under an insured contract [(including the tort liability of another assumed in a business contract)].

15.20.6 City and County of Carson City, Nevada, its officers, employees and immune contractors shall be included as an insured under the CGL, using ISO additional insured endorsement CG 20 10 or CG 20 26, or a substitute providing equivalent coverage, and under the commercial umbrella, if any.

15.20.7 This insurance shall apply as primary insurance with respect to any other insurance or self-insurance programs afforded to City. There shall be no endorsement or modification of the CGL to make it excess over other available insurance; alternatively, if the CGL states that it is excess or pro rata, the policy shall be endorsed to be primary with respect to the additional insured.

15.20.8 There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability assumed under a contract.

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- 15.20.9 Contractor waives all rights against City and its agents, officers, directors and employees for recovery of damages to the extent these damages are covered by the commercial general liability or commercial umbrella liability insurance maintained pursuant to this Contract. Insurer shall endorse CGL policy as required to waive subrogation against City with respect to any loss paid under the policy
- 15.21 **BUSINESS AUTOMOBILE LIABILITY INSURANCE:**
- 15.21.1 *Minimum Limit required:*
- 15.21.2 Contractor shall maintain automobile liability and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each accident for bodily injury and property damage.
- 15.21.3 Such insurance shall cover liability arising out of owned, hired, and non-owned autos (as applicable). Coverage as required above shall be written on ISO form CA 00 01, CA 00 05, CA 00 25, or a substitute form providing equivalent liability coverage.
- 15.21.4 Contractor waives all rights against City and its agents, officers, directors and employees for recovery of damages to the extent these damages are covered by the automobile liability or other liability insurance obtained by Contractor pursuant this Contract.
- 15.22 **PROFESSIONAL LIABILITY INSURANCE (Architects, Engineers and Land Surveyors)**
- 15.22.1 *Minimum Limit required:*
- 15.22.2 CONTRACTOR shall maintain professional liability insurance applying to all activities performed under this Contract with limits not less than One Million Dollars (\$1,000,000.00) and Two Million Dollars (\$2,000,000) in the aggregate.
- 15.22.3 Retroactive date: Prior to commencement of the performance of this Contract.
- 15.22.4 CONTRACTOR will maintain professional liability insurance during the term of this Contract and for a period of three (3) years after termination of this Contract unless waived by the City. In the event of non-renewal or other lapse in coverage during the term of this Contract or the three (3) year period described above, CONTRACTOR shall purchase Extended Reporting Period coverage for claims arising out of CONTRACTOR's negligence acts, errors and omissions committed during the term of the Professional Liability Policy. The Extended Reporting Period shall continue through a minimum of three (3) years after termination date of this Contract.
- 15.22.5 A certified copy of this policy may be required.
- 15.23 **WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE:**
- 15.23.1 **CONTRACTOR** shall provide workers' compensation insurance as required by NRS Chapters 616A through 616D inclusive and Employer's Liability insurance with a minimum limit not less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease
- 15.23.2 **CONTRACTOR** may, in lieu of furnishing a certificate of an insurer, provide an affidavit indicating that **CONTRACTOR** is a sole proprietor; that **CONTRACTOR** will not use the services of any employees in the performance of this Contract; that **CONTRACTOR** has elected to not be included in the terms, conditions, and provisions of NRS Chapters 616A-616D, inclusive; and that **CONTRACTOR** is otherwise in compliance with the terms, conditions, and provisions of NRS Chapters 616A-616D, inclusive.
- 15.23.3 **CONTRACTOR** waives all rights against City and its agents, officers, directors, and employees for recovery of damages to the extent these damages are covered by the workers'

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compensation and employer's liability or commercial umbrella liability insurance obtained by Contractor pursuant to this Contract. Contractor shall obtain an endorsement equivalent to WC 00 03 13 to affect this waiver.

16. BUSINESS LICENSE:

16.1 **CONTRACTOR** shall not commence work before **CONTRACTOR** has provided a copy of his Carson City business license to Carson City Purchasing and Contracts.

16.2 The Carson City business license shall continue in force until the later of: (1) final acceptance by **CITY** of the completion of this Contract; or (2) such time as the Carson City business license is no longer required by **CITY** under the terms of this Contract.

17. COMPLIANCE WITH LEGAL OBLIGATIONS:

CONTRACTOR shall procure and maintain for the duration of this Contract any state, county, city, or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by **CONTRACTOR** to provide the goods or WORK or any services of this Contract. **CONTRACTOR** will be responsible to pay all government obligations, including, but not limited to, all taxes, assessments, fees, fines, judgments, premiums, permits, and licenses required or imposed by law or a court. Real property and personal property taxes are the responsibility of **CONTRACTOR** in accordance with NRS Chapter 361 generally and NRS 361.157 and 361.159, specifically regarding for profit activity. **CONTRACTOR** agrees to be responsible for payment of any such government obligations not paid by its subcontractors during performance of this Contract. **CITY** may set-off against consideration due any delinquent government obligation.

18. WAIVER OF BREACH:

Failure to declare a breach or the actual waiver of any particular breach of this Contract or its material or nonmaterial terms by either party shall not operate as a waiver by such party of any of its rights or remedies as to any other breach.

19. SEVERABILITY:

If any provision contained in this Contract is held to be unenforceable by a court of law or equity, this Contract shall be construed as if such provision did not exist and the nonenforceability of such provision shall not be held to render any other provision or provisions of this Contract unenforceable.

20. ASSIGNMENT / DELEGATION:

To the extent that any assignment of any right under this Contract changes the duty of either party, increases the burden or risk involved, impairs the chances of obtaining the performance of this Contract, attempts to operate as a novation, or includes a waiver or abrogation of any defense to payment by **CITY**, such offending portion of the assignment shall be void, and shall be a breach of this Contract. **CONTRACTOR** shall neither assign, transfer nor delegate any rights, obligations or duties under this Contract without the prior written approval of **CITY**. The parties do not intend to benefit any third party beneficiary regarding their respective performance under this Contract.

21. CITY OWNERSHIP OF PROPRIETARY INFORMATION:

21.1 Any files, reports, histories, studies, tests, manuals, instructions, photographs, negatives, blue prints, plans, maps, data, system designs, computer programs, computer codes, and computer records (which are intended to be consideration under this Contract), or any other documents or drawings, prepared or in the course of preparation by **CONTRACTOR** (or its subcontractors) in performance of its obligations under this Contract shall be the exclusive property of **CITY** and all such materials shall be delivered into **CITY** possession by **CONTRACTOR** upon completion, termination, or cancellation of this Contract. **CONTRACTOR** shall not use, willingly allow, or cause to have such materials used for any purpose other than performance of **CONTRACTOR'S** obligations under this Contract without the prior written consent of **CITY**. Notwithstanding the foregoing, **CITY** shall have no proprietary interest in any materials licensed for use by **CITY** that are subject to patent, trademark or copyright protection.

21.2 **CITY** shall be permitted to retain copies, including reproducible copies, of **CONTRACTOR'S**

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drawings, specifications, and other documents for information and reference in connection with this Contract.

21.3 **CONTRACTOR'S** drawings, specifications and other documents shall not be used by **CITY** or others without expressed permission of **CONTRACTOR**.

22. PUBLIC RECORDS:

Pursuant to NRS 239.010, information or documents received from **CONTRACTOR** may be open to public inspection and copying. **CITY** will have the duty to disclose unless a particular record is made confidential by law or a common law balancing of interests. **CONTRACTOR** may clearly label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 332.061, provided that **CONTRACTOR** thereby agrees to indemnify and defend **CITY** for honoring such a designation. The failure to so label any document that is released by **CITY** shall constitute a complete waiver of any and all claims for damages caused by any release of the records.

23. CONFIDENTIALITY:

CONTRACTOR shall keep confidential all information, in whatever form, produced, prepared, observed or received by **CONTRACTOR** to the extent that such information is confidential by law or otherwise required by this Contract.

24. FEDERAL FUNDING:

24.1 *In the event federal grant funds are used for payment of all or part of this Contract:*

24.1.1 **CONTRACTOR** certifies, by signing this Contract, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency. This certification is made pursuant to the regulations implementing Executive Order 12549, Debarment and Suspension, 28 C.F.R. pt. 67, § 67.510, as published as pt. VII of the May 26, 1988, Federal Register (pp. 19160-19211), and any relevant program-specific regulations. This provision shall be required of every subcontractor receiving any payment in whole or in part from federal funds.

24.1.2 **CONTRACTOR** and its subcontractors shall comply with all terms, conditions, and requirements of the Americans with Disabilities Act of 1990 (P.L. 101-136), 42 U.S.C. 12101, as amended, and regulations adopted thereunder contained in 28 C.F.R. 26.101-36.999, inclusive, and any relevant program-specific regulations.

24.1.3 **CONTRACTOR** and its subcontractors shall comply with the requirements of the Civil Rights Act of 1964, as amended, the Rehabilitation Act of 1973, P.L. 93-112, as amended, and any relevant program-specific regulations, and Executive Order 11478 (July 21, 2014) and shall not discriminate against any employee or offeror for employment because of race, national origin, creed, color, sex, sexual orientation, gender identity, religion, age, disability or handicap condition (including AIDS and AIDS-related conditions).

24.14.1 If and when applicable to the particular federal funding and the Scope of Work under this Contract, **CONTRACTOR** and its subcontractors shall comply with: American Iron and Steel (AIS) provisions of P.L. 113-76, Consolidated Appropriations Act, 2014, Section 1605 – Buy American (100% Domestic Content of iron, steel and manufactured goods); Federal Highway Administration (FHWA) 23 U.S.C. § 313 – Buy America, 23 C.F.R. §635.410 (100% Domestic Content of steel, iron and manufactured products); Federal Transit Administration (FTA) 49 U.S.C. § 5323(j), 49 C.F.R. Part 661 – Buy America Requirements (See 60% Domestic Content for buses and other Rolling Stock).

25. LOBBYING:

25.1 The parties agree, whether expressly prohibited by federal law, or otherwise, that no funding associated with this Contract will be used for any purpose associated with or related to lobbying or

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

influencing or attempting to lobby or influence for any purpose the following:

25.1.1 Any federal, state, county or local agency, legislature, commission, council or board;

25.1.2 Any federal, state, county or local legislator, commission member, council member, board member, or other elected official; or

25.1.3 Any officer or employee of any federal, state, county or local agency; legislature, commission, council or board.

26. GENERAL WARRANTY:

CONTRACTOR warrants that it will perform all WORK required hereunder in accordance with the prevailing standard of care by exercising the skill and care normally required of individuals performing the same or similar WORK, under the same or similar circumstances, in the State of Nevada.

27. PROPER AUTHORITY:

The parties hereto represent and warrant that the person executing this Contract on behalf of each party has full power and authority to enter into this Contract. **CONTRACTOR** acknowledges that this Contract is effective only after approval by the Carson City Regional Transportation Commission and only for the period of time specified in this Contract. Any WORK performed by **CONTRACTOR** before this Contract is effective or after it ceases to be effective is performed at the sole risk of **CONTRACTOR**.

28. ALTERNATIVE DISPUTE RESOLUTION (Public Work):

If the WORK under this Contract involves a "public work" as defined under NRS 338.010(17), then pursuant to NRS 338.150, a public body charged with the drafting of specifications for a public work shall include in the specifications a clause requiring the use of a method of alternative dispute resolution ("ADR") before initiation of a judicial action if a dispute arising between the public body and the **CONTRACTOR** engaged on the public work cannot otherwise be settled. Therefore, unless ADR is otherwise provided for by the parties in any other incorporated attachment to this Contract, in the event that a dispute arising between **CITY** and **CONTRACTOR** regarding that public work cannot otherwise be settled, **CITY** and **CONTRACTOR** agree that, before judicial action may be initiated, **CITY** and **CONTRACTOR** will submit the dispute to non-binding mediation. **CITY** shall present **CONTRACTOR** with a list of three potential mediators. **CONTRACTOR** shall select one person to serve as the mediator from the list of potential mediators presented by **CITY**. The person selected as mediator shall determine the rules governing the mediation.

29. GOVERNING LAW / JURISDICTION:

This Contract and the rights and obligations of the parties hereto shall be governed by, and construed according to, the laws of the State of Nevada, without giving effect to any principle of conflict-of-law that would require the application of the law of any other jurisdiction. **CONTRACTOR** consents and agrees to the jurisdiction of the courts of the State of Nevada located in Carson City, Nevada for enforcement of this Contract.

30. ENTIRE CONTRACT AND MODIFICATION:

This Contract and its integrated attachment(s) constitute the entire Contract of the parties and such are intended as a complete and exclusive statement of the promises, representations, negotiations, discussions, and other Contracts that may have been made in connection with the subject matter hereof. Unless an integrated attachment to this Contract specifically displays a mutual intent to amend a particular part of this Contract, general conflicts in language between any such attachment and this Contract shall be construed consistent with the terms of this Contract. Unless otherwise expressly authorized by the terms of this Contract, no modification or amendment to this Contract shall be binding upon the parties unless the same is in writing and signed by the respective parties hereto and approved by the Carson City Regional Transportation Commission. Conflicts in language between this Contract and any other agreement between **CITY** and **CONTRACTOR** on this same matter shall be construed consistent with the terms of this Contract. The parties agree that each has had their respective counsel review this Contract which shall be construed as if it was jointly drafted.

31. ACKNOWLEDGMENT AND EXECUTION:

This Contract may be executed in counterparts. The parties hereto have caused this Contract to be signed and intend to be legally bound thereby as follows:

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

AND ALL SUPPLEMENTAL AGREEMENTS AMENDING OR EXTENDING THE WORK CONTEMPLATED.

ACKNOWLEDGMENT AND EXECUTION:

In witness whereof, the parties hereto have caused this Contract to be signed and intend to be legally bound thereby.

CITY

Chief Financial Officer
Attn: Carol Akers
Purchasing and Contracts Department
201 North Carson Street, Suite 2
Carson City, Nevada 89701
Telephone: 775-283-7124
Fax: 775-887-2286
CAkers@carson.org

CITY'S LEGAL COUNSEL

Carson City District Attorney

I have reviewed this Contract and approve as to its legal form.

By: _____
Sheri Russell, Chief Financial Officer

By: _____
Deputy District Attorney

Dated _____

Dated _____

CONTRACTOR will not be given authorization to begin work until this Contract has been signed by Purchasing and Contracts

BY: Carol Akers
Purchasing & Contracts Administrator

Contract# 1819-237
Project# 031807
Account # 275-0620-465.70-40

By: _____

Dated _____

PROJECT CONTACT PERSON:

Brian Elder, Project Manager
Telephone: 775-283-7586

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

Undersigned deposes and says under penalty of perjury: That he/she is **CONTRACTOR** or authorized agent of **CONTRACTOR**; that he/she has read the foregoing Contract; and that he/she understands the terms, conditions and requirements thereof.

CONTRACTOR

BY: John Kovacs

TITLE: President

FIRM: NV NJ Construction Group, Inc.

CARSON CITY BUSINESS LICENSE #: 19-00032655

NEVADA CONTRACTORS LICENSE #: 82843

Address: 9788 Gilespe St. Suite 417

City: Las Vegas **State:** NV **Zip Code:** 89183

Telephone: 732-262-7449 / FAX 732-262-7795

E-mail Address: diamondjohna@yahoo.com

(Signature of Contractor)

DATED _____

STATE OF _____)

)ss

County of _____)

Signed and sworn (or affirmed before me on this _____ day of _____, 20____.

(Signature of Notary)

(Notary Stamp)

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

CONTRACT ACCEPTANCE AND EXECUTION:

The Regional Transportation Commission for Carson City, Nevada at their publicly noticed meeting of June 12, 2019, approved the acceptance of the attached Contract hereinbefore identified as **CONTRACT No. 1819-237** and titled **CDBG College Parkway ADA Improvements Project**. Further, the Regional Transportation Commission authorizes the Chairperson to set his hand to this document and record his signature for the execution of this Contract in accordance with the action taken.

CARSON CITY, NEVADA

BRAD BONKOWSKI, CHAIRPERSON

DATED this 12th day of June, 2019

ATTEST:

AUBREY ROWLATT, CLERK-RECORDER

DATED this 12th day of June, 2019

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-237

Title: CDBG College Parkway ADA Improvements Project

PERFORMANCE BOND

Doc. No. 2151
(Rev. 11-17-99)

KNOW ALL MEN BY THESE PRESENTS, that I/we _____
_____ as Principal, hereinafter called CONTRACTOR,
and

_____ a corporation duly organized under the laws of _____, as Surety, hereinafter called the Surety, are held and firmly bound unto Carson City, Nevada a consolidated municipality of the State of Nevada, hereinafter called CITY, for the sum of \$ _____ (state sum in Words) _____ for the payment whereof CONTRACTOR and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CONTRACTOR has by written agreement dated _____, entered into a contract with CITY for **BID #1819-237** and titled **CDBG College Parkway ADA Improvements Project**, in accordance with drawings and specifications prepared by CITY and which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if CONTRACTOR shall promptly and faithfully perform said Contract then this obligation shall be null and void; otherwise it shall remain in full force and effect. The Surety hereby waives notice of any alteration or extension of time made by CITY and its obligation is not affected by any such alteration or extension provided the same is within the scope of the Contract. Whenever CONTRACTOR shall be, and is declared by CITY to be in default under the Contract, CITY having performed CITY'S obligations thereunder, the Surety may promptly remedy the default or shall promptly:

- 1) Complete the Contract in accordance with its terms and conditions; or
- 2) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by CITY and the Surety jointly of the lowest responsive, responsible bidder, arrange for a contract between such bidder and CITY, and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price, but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract price", as used in this paragraph, shall mean the total amount payable by CITY to CONTRACTOR under the Contract and any amendments thereto, less the amount properly paid by CITY to CONTRACTOR. No right of action shall accrue on this bond to or for the use of any person or corporation other than CITY or successors of CITY.

LABOR AND MATERIAL PAYMENT BOND

Doc. No. 2152
(Rev. 11-17-99)

KNOW ALL MEN BY THESE PRESENTS, that I/we _____
_____ as Principal, hereinafter called
CONTRACTOR, and _____ a
corporation duly organized under the laws of the State of Nevada, as Surety, hereinafter called the Surety, are
held and firmly bound unto Carson City, Nevada a consolidated municipality of the State of Nevada, hereinafter
called CITY, for the \$ _____ Dollars (state sum in words) _____
_____ for
the payment whereof CONTRACTOR and Surety bind themselves, their heirs, executors, administrators,
successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CONTRACTOR has by written agreement dated _____ entered into a contract with
CITY for **BID #1819-237** and titled **CDBG College Parkway ADA Improvements Project**, in accordance with
drawings and specifications prepared by CITY and which contract is by reference made a part hereof, and is
hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if
CONTRACTOR shall promptly make payment to all claimants as hereinafter defined, for all labor and material
used or reasonably required for use in the performance of the Contract, then this obligation shall be void;
otherwise it shall remain in full force and effect, subject, however, to the following conditions:

- 1) A claimant is defined as one having a direct contract with CONTRACTOR or with a Subcontractor of the Principal for labor, material, or both, used or reasonably required for use in the performance of the Contract, labor and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the Contract.
- 2) The above-named Principal and Surety hereby jointly and severally agree with CITY that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant, may sue on this bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. CITY shall not be liable for the payment of any costs or expenses of any such suit.
- 3) No suit or action shall be commenced hereunder by any claimant:
 - a) Unless claimant, other than one having a direct contract with CONTRACTOR, shall have given written notice to any two of the following: CONTRACTOR, CITY, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be personally served or served by mailing the same by registered mail or certified mail, postage prepaid, in an envelope addressed to the Principal at any place the Principal maintains an office or conducts its business.
 - b) After the expiration of one (1) year following the date on which the last of the labor was performed or material was supplied by the party bringing suit.
 - c) Other than in a court of competent jurisdiction for the county or district in which the construction Contract was to be performed.

BID PROPOSAL

Exhibit A

CITY OF CARSON CITY, NEVADA – BID BOND

KNOW ALL MEN BY THESE PRESENTS: That we the undersigned NV NJ CONSTRUCTION GROUP INCORPORATED, as "Principal," and Accredited Surety and Casualty Company, Inc., as "Surety," are hereby held and firmly bound unto the City of Carson City, Nevada, as "Obligee," in the penal sum of TEN PERCENT * dollars (\$20,000.00) for the payment of which, well and truly to be made, the Principal and Surety bind themselves, their heirs, executors, and administrators, successors and assigns, jointly and severally, by this instrument. The condition of the obligation of this bid bond is as follows:

* of amount of bid, not to exceed TWENTY THOUSAND and 00/100

WHEREAS, NRS 332.105 authorizes local governments to require bid bonds to insure execution and proper performance of the Contract and the Bonding Company has an "A" or better rating with Moody's or A.M. Best and T-Listed with the U.S. Treasury Department;

AND, WHEREAS, the Principal has submitted a bid for Bid # 1819 737, PWP # CC-2019-222 for the Project Title: CDBG College Parkway ADA Improvements Project.

NOW, THEREFORE,

- (a) If said Bid shall be rejected; or
- (b) If said Bid shall be accepted and the Principal shall execute and deliver the contract in the bid documents ("Contract") to Obligee in accordance with the terms of the bid documents, and give such bond or bonds as may be specified in the bid or contract documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or
- (c) If the Principal shall pay to the Obligee the full amount of the bid bond as a penalty irrespective of the Obligee's actual damages in the event of the failure of the Principal to enter into such Contract and give such bond or bonds,

then, this obligation shall be null and void. Otherwise it shall remain in full force and effect, it being expressly understood and agreed that the liability of the Surety (but not of the Principal) for any and all claims hereunder shall, in no event, exceed the penal amount of the obligation as herein stated.

The Surety, for the consideration for which this bond was executed, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Obligee may accept such bid, and hereby waives notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and the Surety has caused their seal to be hereto affixed and these present to be signed by their proper officers.

Signed, Sealed and dated: May 22, 2019

NV NJ CONSTRUCTION GROUP INCORPORATED

Principal

By: *John Kon*

Accredited Surety and Casualty Company, Inc.

Surety

By: *Philip S. Tobey*

Philip S. Tobey, Attorney-in-Fact

BP - 1

Consent of Surety

Accredited Surety and Casualty Company, Inc., a corporation created and existing under the laws of the State of FL, maintaining an office in **Orlando, FL**, duly authorized to transact business in the NV (hereinafter, the "Surety") does hereby consent and agree with the bid of **NV NJ CONSTRUCTION GROUP INCORPORATED** (hereinafter, the "Principal"), as principal, for **CDBG College Parkway ADA Improvements Project** (hereafter the "Contract") be accepted and the Contract shall be properly and lawfully awarded to the Principal in the amount not to exceed the Principal's bid, the Surety shall execute and deliver to the Principal a bond(s) for the faithful performance of the Contract in such form as may set forth in, and as required by, the bid specifications, solicitation or advertisement (hereinafter, the "Bid Documents").

This Consent of Surety shall remain in force and effect for so long as the Bid Documents provide for acceptance of the Principal's bid or execution of the Contract. If no such period is set forth in the Bid Documents, for 90 days after bid opening, or as otherwise may be required by statute or regulation, whichever period is longer, unless the Principal and the Surety shall agree in writing to a longer period.

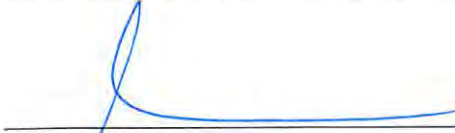
This Consent of Surety has been signed, sealed and dated on **5/22/2019**

ATTEST:

Accredited Surety and Casualty Company, Inc.



Claudia Pereira



Philip S. Tobey, Attorney In fact



ACKNOWLEDGEMENT OF SURETY

State of New Jersey -
] - ss.
County of Morris -

On **5/22/2019** before me personally came **Philip S. Tobey** to me known, who, being by me duly sworn, did depose and say that he is an Attorney-in-Fact of the **Accredited Surety and Casualty Company, Inc.** the corporation described in and which executed the within instrument; that he knows the corporate seal, and that he signed that the said instrument and affixed the said seal as Attorney-in-Fact by authority of the Board of Directors of said corporation and by authority of this office under the Standing Resolutions thereof.

My commission expires: _____
ANTONINA BAGULEY
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 10/25/2021



Notary Public



ACKNOWLEDGEMENT OF PRINCIPAL, IF A CORPORATION

STATE OF NJ) ss:
COUNTY Ocean)

On the 15 day of MAY in the year 20____,
Before me personally came JOHN KOVACS to me known, who, being by me duly
sworn, did depose and say that (s) he resides at 125 OLD ORCHARD RD, TOMS RIVER NJ 08753
that (s) he is the President of
NVNI CONSTRUCTION GROUP INC, the corporation described in and which
executed the above instrument; and that (s) he signed her/his name thereto by order of the Board of
Directors of said corporation.

MARGUERITE LOBMAN
NOTARY PUBLIC OF NEW JERS
Commission Expires 12/28/2

My commission expires: 12/28/22

Marguerite Lobman
Notary Public

ACKNOWLEDGEMENT OF PRINCIPAL, IF A PARTNERSHIP

STATE OF _____) ss:
COUNTY OF _____)

On the _____ day of _____ in the year 20____,
Before me personally came _____ to me known and known to me to be a
member of the firm _____, described in and who
executed the foregoing instrument; and (s) he duly acknowledged to me that (s) he executed the same for
and in behalf of said firm for the uses and purpose mentioned therein.

My commission expires: _____

Notary Public

ACKNOWLEDGEMENT OF PRINCIPAL, IF AN INDIVIDUAL

STATE OF _____) ss:
COUNTY OF _____)

On the _____ day of _____ in the year 20____,
Before me personally came _____ to me known and known to me
to be the person described in and who executed the foregoing instrument and (s) he duly acknowledged that
(s) he executed the same.

My commission expires: _____

Notary Public

ACCREDITED SURETY AND CASUALTY COMPANY, INC.
ORLANDO, FLORIDA

CERTIFIED POWER OF ATTORNEY

No. 10097386

KNOW ALL MEN BY THESE PRESENTS: That Accredited Surety and Casualty Company, Inc. herein after referred to as "Accredited" a Florida corporation, having its principal office at 4798 New Broad Street, Suite 200, Orlando Florida, 32814 does hereby make, constitute and appoint:

Lionel D. Jorge, Philip S. Tobey

its true and lawful Attorney(s)-in-Fact, with full power and authority hereby conferred to each in their separate capacity if more than one is named above, to sign, execute and deliver on its behalf surety bonds and other instruments of similar nature excluding bail bonds not to exceed:

THREE MILLION DOLLARS (\$3,000,000.00)

The acknowledgment and execution of any such document by the said Attorney-in-Fact shall be as binding upon this company as if such bond has been executed and acknowledged by the regularly elected Officers of this company. Accredited further certifies that this power is a true and exact copy of the resolution of the Board of Directors of Accredited duly adopted and now in force, to wit: "ALL bonds of the corporation shall be executed in the corporate name of the company an authorized Officer and they may appoint Attorneys-in-Fact or agents, who shall have authority to issue bonds in the name of the Company."

IN WITNESS WHEREOF, the said ACCREDITED SURETY AND CASUALTY COMPANY, INC. has caused these presents to be executed and its corporate seal to be hereto affixed by its authorized Officer this 6th day of December, 2016.



ACCREDITED SURETY AND CASUALTY COMPANY, INC.

By: Todd M. Campbell
Todd M. Campbell, President and CEO

STATE OF FLORIDA } SS
COUNTY OF ORANGE } SS

On this 6th day of December, 2016, before me, a Notary Public, personally appeared the above named Officer who is personally known to me, and being duly sworn, acknowledged that he/she signed the above Power of Attorney as an authorized Officer of the said ACCREDITED SURETY AND CASUALTY COMPANY, INC., and acknowledged said instrument to be the voluntary act of said corporation.

SUSIE ORILEY
NOTARY PUBLIC STATE OF FLORIDA
COMMISSION # GG307370
EXPIRES 03/04/2023
BONDED THRU 1-388-NOTARY1

Susie Oriley
Notary Public, State of Florida

I, the undersigned, Officer of Accredited, do hereby certify that this is a true and correct copy of a Power of Attorney. In testimony whereof, I have hereunto set my hand and the corporate seal of Accredited which is still in full force and effect this * 22 day of May, 2019. Signed and sealed at the City of Orlando, Florida.



ACCREDITED SURETY AND CASUALTY COMPANY, INC.

By: Marney N. Emel
Marney N. Emel, Chief Financial Officer

* IMPORTANT: This date must be filled in before it is attached to the bond and it must be the same date as the bond.
NOTE: For verification of the authority of this power, call (888) 668-2791 any business day between 8:00am and 5:00pm EST.
WARNING: Any unauthorized reproduction or alteration of this document is prohibited.

BID PROPOSAL

Exhibit A

BID # 1819-237

BID TITLE: "CDBG College Parkway ADA Improvements Project"

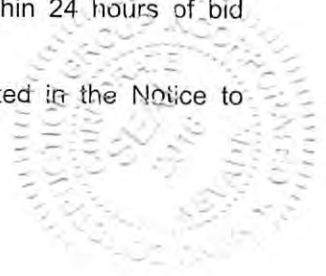
NOTICE: No substitution or revision to this Bid Proposal form will be accepted. Carson City will reject any Bid that is received that has changes or alterations to this document. Although the Prevailing Wages are provided in this bid document, the bidder is responsible to verify with the Labor Commissioner if any addendums have been issued. The successful bidder will be required to provide the current Prevailing Wages used in preparation of their bid within 24 hours of bid submission.

PRICES will be valid for sixty (60) calendar days after the bid opening which is indicated in the Notice to Contractors.

COMPLETION of this project is expected **PURSUANT TO THE BID DOCUMENTS.**

BIDDER acknowledges receipt of _____ Addendums.

BP.1 SUMMARY



Description		Scheduled Value	Unit	Unit Price	Total Price
Base Bid Schedule A (Curb Ramps and Sidewalk Improvements):					
1	Mobilization, Demobilization and Clean-Up	1	LS	60000	60000
2	Traffic Control	1	LS	4000	4000
3	Storm Water Protection	1	LS	1000	1000
4	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	1,430	SF	2	2860
5	Permanent Pavement Patch – 5" Type 3 PG64-22 on 9" Type 2 Aggregate Base	1,430	SF	2	2860
6	Remove Existing PCC Sidewalk and Flatwork and Haul to Landfill (Dump Tickets Provided by City)	1,500	SF	2	3000
7	Remove PCC Curb and Gutter and Haul to Landfill (Dump Tickets Provided by City)	180	LF	10	1800
8	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	255	SF	7	1785
9	Remove PCC Pedestrian Ramp and Haul to Landfill (Dump Tickets Provided by City)	3,750	SF	2	7500
10	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	2,450	SF	4	9800
11	Construct Type 1 Curb and Gutter on 6" Aggregate Base	180	LF	40	7200
12	Construct PCC Pedestrian Curb Ramp with Detectable Warning Plate	1,820	SF	27	49140
13	Relocate Existing Pedestrian Push Button and Post (Must Coordinate Work With Carson City Signal Crew at least 72 Hours in Advance of Work)	1	EA	1000	1000
14	Relocate Sign and Post	1	EA	100	100
15	Adjust Existing Utility Box to Finish Grade	2	EA	100	200
BP.2	Total Base Bid Price (Schedule A)			152 245	
Additive Alternate Bid #1 Schedule B: (Burger King Driveway)					
16	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by	290	SF	7	2030

BID PROPOSAL

Exhibit A

	City)				
17	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	280	SF	5	1400
18	Permanent Pavement Patch – 5" Type 3 PG64-22 on 8" Type 2 Aggregate Base	280	SF	5	1400
19	Construct PCC Driveway Apron	270	SF	20	5400
20	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	20	SF	15	300
BP.3 Total Additive Alternate Bid #1 Price (Schedule B)				10 530	
Additive Alternate Bid #2 - Schedule C: (Port of Subs Shopping Center Driveway)					
21	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	365	SF	7	2555
22	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	355	SF	7	2485
23	Permanent Pavement Patch – 5" Type 3 PG64-22 on 8" Type 2 Aggregate Base	355	SF	7	2485
24	Construct PCC Driveway Apron	330	SF	20	6600
25	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	40	SF	15	600
BP.4 Total Additive Alternate Bid #2 Price (Schedule C)				14 725	
Additive Alternate Bid #3 - Schedule D: (7-Eleven West Driveway)					
26	Remove PCC Driveway Approach and Haul to Landfill (Dump Tickets Provided by City)	1,050	SF	2	2100
27	Sawcut and Remove AC Pavement and Haul to Landfill (Dump Tickets Provided by City)	110	SF	7	770
28	Permanent Pavement Patch – 5" Type 3 PG64-22 on 8" Type 2 Aggregate Base	110	SF	7	770
29	Construct PCC Driveway Apron	390	SF	20	7800
30	Construct PCC Retaining Curb	30	LF	30	900
31	Construct Type A PCC Sidewalk – 4" Concrete on 4" Aggregate Base	50	SF	15	750
32	Construct PCC Driveway Transition	600	SF	20	12000
BP.5 Total Additive Alternate Bid #3 Price (Schedule D)				25 090	

BP.6 Total Base (Schedule (A) Bid Price Written in Words:

ONE HUNDRED FIFTY TWO THOUSAND TWO HUNDRED FORTY FIVE
00/100

BP.7 Total Alternate #1 (Schedule (B) Bid Price Written in Words:

TEN THOUSAND FIVE HUNDRED THIRTY 00/100

BP.8 Total Alternate #2 (Schedule (c) Bid Price Written in Words:

FOURTEEN THOUSAND SEVEN HUNDRED 00/100

BP.9 Total Alternate #3 (Schedule (D) Bid Price Written in Words:

TWENTY FIVE THOUSAND NINETY DOLLARS 00/100

BID PROPOSAL

Exhibit A

BP.10 BIDDER INFORMATION:

Company Name:	NVNT CONSTRUCTION GROUP INC.
Federal ID No & DUNS No.:	81-3279824
Mailing Address:	9788-GILLESPIE ST SUITE# 417
City, State, Zip Code:	LAS VEGAS, NV 89183
Complete Telephone Number:	732-262-7449
Complete Fax Number:	732-262-7795
Fax Number including area code:	732-262-7795
E-mail:	DIAMONDJOHNA@YAHOO.COM.



Contact Person / Title:	JOHN KOVACS, PRESIDENT
Mailing Address:	9788-GILLESPIE ST SUITE 417
City, State, Zip Code:	LAS VEGAS, NV 89183
Complete Telephone Number:	732-262-7449
Complete Fax Number:	732-262-7795
E-mail Address:	DIAMONDJOHNA@YAHOO, COM.

BP.11 LICENSING INFORMATION:

Nevada State Contractor's License Number:	
License Classification(s):	A12, A15, A16, AB, A9
Limitation(s) of License:	1,500,000.00
Date Issued:	10/05/2017
Date of Expiration:	10/31/2019
Name of Licensee:	NVNT CONSTRUCTION GROUP INC.
Carson City Business License Number:	
Date Issued:	
Date of Expiration:	

BID PROPOSAL

Exhibit A

Name of Licensee:

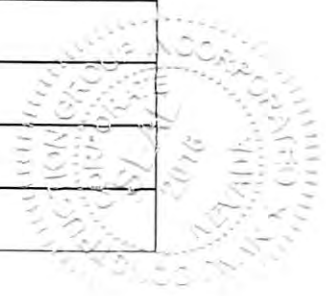
BP.12 DISCLOSURE OF PRINCIPALS:

Individual and/or Partnership:

Owner 1) Name:	
Address:	
City, State, Zip Code:	N/A
Telephone Number:	
Owner 2) Name:	
Address:	
City, State, Zip Code:	N/A
Telephone Number:	
Other 1) Title:	
Name:	
Other 2) Title:	N/A
Name:	

Corporation:

State in which Company is Incorporated:	N.J.
Date Incorporated:	07/19/2010
Name of Corporation:	NVNJ CONSTRUCTION GROUP INC
Mailing Address:	35-BEAVERSON BLVD, SUITE 12C
City, State, Zip Code:	BRICK NJ 08723
Telephone Number:	732-242-7449
President's Name:	JOHN KOVACS
Vice-President's Name:	100% OWNER
Other 1) Name & Title:	100% OWNER



BID PROPOSAL

Exhibit A

BP.13 MANAGEMENT AND SUPERVISORY PERSONNEL:

Persons and Positions	Years With Firm
Name 1) <i>JOHN KOVACS</i>	<i>29</i>

Title 1) *President (Project Mgr)*

Name 2) <i>JOHN AVARO</i>	<i>9</i>
---------------------------	----------

Title 2) *Project Mgr*

Name 3)	
---------	--

Title 3)

Name 4)	
---------	--

Title 4)

Name 5)	
---------	--

Title 5)

Name 6)	
---------	--

Title 6)

(If additional space is needed, attach a separate page)

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BID PROPOSAL

Exhibit A

BP.14 REFERENCES:

Instructions:

List at least three (3) contracts of a similar nature performed by your firm in the last three (3) years. If **NONE**, use your Company's letterhead (and submit with your bid proposal) to list what your qualifications are for this contract. Carson City reserves the right to contact and verify, with any and all references listed, the quality of and the degree of satisfaction for such performance.

Clients: (if additional space is needed attach a separate page)

Company Name 1):	CITY OF SPARKS
Contract Person:	BRANDON BAXTER
Mailing Address:	431-PRATER WAY
City, State, Zip Code:	SPARKS NV 89431
Complete Telephone Number:	775-353-7865
E-Mail Address:	BBAXTER@CITYOFSPARKS.US
Project Title:	VICTORIAN SQUARE PHASE II
Amount of Contract:	\$320,000 ⁰⁰
Scope of Work:	CONCRETE, DRAINAGE, ADA RAMP
Company Name 2):	TOWNSHIP OF MAPLEWOOD
Contract Person:	PAUL KITNER
Mailing Address:	574 VALLEY ST
City, State, Zip Code:	MAPLEWOOD NJ 07040
Complete Telephone Number:	973-762-8120
E-Mail Address:	ENGINEER@TOWNSHIPMAPLEWOOD.NJ.US
Project Title:	MAPLEWOOD AVE ADA
Amount of Contract:	1,000,000 ⁰⁰
Scope of Work:	CONCRETE, ADA RAMP, PAVING

BID PROPOSAL

Exhibit A

Company Name 3):	County of Mercer
Contract Person:	Gregory Sandusky
Mailing Address:	640 South Broad St
City, State, Zip Code:	Trenton, NJ 08650
Complete Telephone Number:	609-989-6000
E-Mail Address:	
Project Title:	CONSTRUCTION OF ADA COMPLIANT SIDEWALKS & RAMP
Amount of Contract	\$318,000.00
Scope of Work:	CONCRETE SIDEWALKS & METAL ADA RAMP
Company Name 4):	
Contract Person:	See Attached Reference Packet
Mailing Address:	
City, State, Zip Code:	
Complete Telephone Number:	
E-Mail Address:	
Project Title:	
Amount of Contract:	
Scope of Work:	

BID PROPOSAL

BP. 15 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal, State or Local department or agency.
 - b) Have not within a three-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this bid had one or more public transactions (Federal, State or Local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this bid.



 Signature of Authorized Certifying Official


 Printed Name



 Title


 Date





I am unable to certify to the above statement. My explanation is attached.

Signature

Date

BIDDER'S SAFETY INFORMATION

Bidder's Safety Factors:

Year	"E-Mod" Factor ¹	OSHA Incident Rate ²
2017		NONE
2018		NONE

¹ E-Mod (Experience Modification) Factors are issued by the Employer's Insurance Company of Nevada.

² OSHA Incident Rate is the number of OSHA Recordable Accidents per 100 employees and is calculated as the number of accidents divided by 208,000.

BID PROPOSAL

Exhibit A

SUBCONTRACTORS

BP.16 INSTRUCTIONS: for Subcontractors and **General Contractors who self-perform** in amounts exceeding five (5) percent of bid amount. This information must be submitted with your bid proposal Per NRS 338.141 the prime contractor shall list itself on the subcontractor's list if it will be providing any of the work on the project. (This form must be complete in all respects. If, additional space is needed, attach a separate page).

Name of Subcontractor <i>NVNT CONSTRUCTION GROUP INC</i>	Address <i>9788-GILESPIE ST SUITE 417 LAS VEGAS NV 89183</i>	
Phone <i>732-262-7449</i>	NV Contractor License # DUNS# <i>0082843</i>	Limit of License <i>1,500,000.00</i>
Description of work <i>100% OF CONTRACT</i>		
Name of Subcontractor <i>NVNT</i>	Address <i>9788-GILESPIE ST SUITE 417 LAS VEGAS NEVADA, 89183</i>	
Phone <i>732-262-7449</i>	NV Contractor License # DUNS# <i>0082843</i>	Limit of License <i>1,500,000.00</i>
Description of work <i>Self Performed.</i>		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		

BID PROPOSAL

Exhibit A

SUBCONTRACTORS

BP.17 INSTRUCTIONS: for Subcontractors exceeding one (1) percent of bid amount or \$50,000 whichever is greater. This information must be submitted by the three lowest bidders within two (2) hours after the completion of the opening of the bids. The bidder may elect to submit this information with the bid proposal and, in that case, the bidder will be considered as having submitted this information within the above two hours.

Name of Subcontractor <i>NVNS CONSTRUCTION GROUP INC.</i>	Address <i>9788 Gilespie St. Suite 417 Las Vegas, NV 89183</i>	
Phone <i>732-262-7449</i>	NV Contractor License # DUNS# <i>0082843</i>	Limit of License <i>1,500,000⁰⁰</i>
Description of work <i>100% OF CONTRACT</i>		
Name of Subcontractor <i>NVNS CONSTRUCTION GROUP</i>	Address <i>9788 Gilespie St, Suite 417 Las Vegas NV 89183</i>	
Phone <i>732-262-7449</i>	NV Contractor License # DUNS# <i>0082843</i>	Limit of License <i>1,500,000⁰⁰</i>
Description of work <i>Self Performed.</i>		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		

BID PROPOSAL

Exhibit A

SUBCONTRACTORS

BP. 18 INSTRUCTIONS: for all Subcontractors not previously listed on the 5% and 1% pages. This information must be submitted by the three lowest bidders within twenty four (24) hours after the completion of the opening of the bids. The bidder may elect to submit this information with the bid proposal and, in that case, the bidder will be considered as having submitted this information within the above twenty four hours.

Name of Subcontractor <i>NNNO CONSTRUCTION GROUP INC</i>	Address <i>9788-GilesPie St. Suite 12C LAS VEGAS NV 89183</i>	
Phone <i>732-262-7449</i>	NV Contractor License # DUNS# <i>0082843</i>	Limit of License <i>1,500,000⁰⁰</i>
Description of work <i>100% OF CONTRACT</i>		
Name of Subcontractor <i>NNNT CONSTRUCTION GROUP</i>	Address <i>9788-GilesPie St Suite 12C- LAS VEGAS, NV 89183</i>	
Phone <i>732-262-7449</i>	NV Contractor License # DUNS# <i>0082843</i>	Limit of License <i>1,500,000⁰⁰</i>
Description of work <i>Self Performed</i>		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	NV Contractor License # DUNS#	Limit of License
Description of work		

BID PROPOSAL

Exhibit A

BP.19

CONTRACTOR'S MONTHLY REPORT OF PAYMENTS TO SUBCONTRACTORS

NID SUB CONTRACTORS

The Contract Documents require each contractor to submit to Carson City a monthly report of payments to its subcontractors. This applies to all tiers of subcontracting. Monthly updates are to be submitted on this form and provided to the City's Construction Manager overseeing the contract.

Business name and address of the contractor making payment:

CONTRACT
NUMBER: _____

	Date Invoiced by Subcontractor	Amount Invoiced by	Date Subcontractor was Paid	Amount Paid for Work or	Amount Paid for Supplies
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					

Signature of authorized representative of the contractor	Title of person signing	Date Submitted
--	-------------------------	----------------

The contractor attests that the information provided is accurate.

BID PROPOSAL

Exhibit A

BP.20 ACKNOWLEDGMENT AND EXECUTION:

STATE OF NV)
COUNTY OF CARSON CITY) SS

I John Kovacs (Name of party signing this Bid Proposal), do depose and say: That I am the Bidder or authorized agent of the Bidder; and that I have read and agree to abide by this Bid which includes, but is not limited to the following documents: Notice to Contractors, Table of Contents, Project Coordination, Instructions to Bidders, Bid Bond, Proposal Summary, Contract Award Instructions and Information, Sample Contract, Sample Performance Bond, Sample Labor and Material Payment Bond, General Conditions, Special Conditions, Standard Specifications, Prevailing Wage Rates, Technical Specifications, Geotechnical Report (if any), Contract Drawings, Permits (if any), and any addenda issued and understands the terms, conditions, and requirements thereof; that if his/her bid is accepted that he/she agrees to furnish and deliver all materials except those specified to be furnished by the City (Owner) and to do and perform all work for the "CDBG College Parkway ADA Improvements Project", contract number 1819-237, together with incidental items necessary to complete the work to be constructed in accordance with the Contract Documents, Contract Drawings, and Specifications annexed hereto.

BIDDER:

PRINTED NAME OF BIDDER: JOHN KOVACS / NVNT CONSTRUCTION GROUP INC
TITLE: PRESIDENT
FIRM: NVNT CONSTRUCTION GROUP INC
Address: 9788- GILLESPIE ST SUITE #417
City, State, Zip: LAS VEGAS NV 89183
Telephone: 732-262-7449
Fax: 732-262-7795
E-mail Address: DIAMONDJOHN@YAHOO.COM

John Kovacs
(Signature of Bidder)

DATED: 5/15/19

Signed and sworn (or affirmed) before me on this 15 day of MAY, 2019, by

Marguerite Lobman
(Signature of Notary)

MARGUERITE LOBMAN
NOTARY PUBLIC OF NEW JERSEY
Commission Expires 12/28/2022

(Notary Stamp)

NV NJ CONSTRUCTION GROUP

REFERENCE PACKET

DIAMOND CONSTRUCTION

Owner	Job Name	Contact	Phone	Year	Amount
Nickerson/North Hunterdon HS	Tennis Seating Bleacher Replacement	Ike Steward, VP of Ops	631-666-0200	2018	291,780.00
Nickerson/North Warren Reg. HS	Home Side Seating (Blairstown, NJ)	Ike Steward, VP of Ops	631-666-0200	2018	60,000.00
Woodlyne Borough	CDBG-NJDOT-Woodlyne Avenue-Phase VI	Wayne Roorda	856-546-8611	2018	139,712.28
Lindenwold Borough	FY2016 NJDOT Trust Fund-Laurel Road Pedestrian Improvement	Anthony Chadwell	856-216-1890	2018	112,617.61
Nickerson/So. Plainfield HS	(Jost Field) Visitor Stand - Home Stand & Pressbox	Ike Steward, VP of Ops	631-666-0200	2018	268,200.00
Ocean Gate Borough	CDBG 2017-Curb & Sidewalk Reconstruction at Ocean Gate Ave	Pamela Hill	732-286-9220	2018	31,945.86
Howell Twp BOE	Land O' Pines School - Asphalt Mill/Pave/Drainage (Parking Lot)	Michael Coolidge	732-751-2499	2018	194,000.00
Mercer Co. Special Svcs. Sch	District Site Work, Curb, Gates, SW, Pvmnt, Drainage Systems	Rick Hillman	609-631-2110	2018	146,500.00
Hoboken City	Court Street Sidewalk Improvements	Peter Balnius	201-725-8049	2018	188,030.00
Rancocas Valley Reg. HS	Concrete Sidewalk Repair	Scott Klein	609-864-0848	2018	24,000.00
Kinnelon BOE	Concrete Sidewalk Replacement @ High School	Alan Breseit	973-296-9281	2018	97,800.00
Harrington Park Borough	ADA Accessible Ramps & Sidewalks @ Borough Hall / Library	Gregory Polyniak	201-939-8805	2018	44,705.00
North Haldeon Borough	2018 Sidewalk / Curb Improvement Program	Joseph Pomante	201-641-0770	2018	57,418.50
Nickerson/Lakeland Reg. HS	Installer Grandstand - Home Side Seating	Ike Steward, VP of Ops	631-666-0200	2018	120,000.00
Bethlehem Twp School District	Curbing Replacement @ Thomas B. Conley Elem. School	Brian Decina	732-312-9800	2018	44,200.00
Nickerson/Glen Cove HS (NY)	Site Work at Glen Cove HS (NY)	Ike Steward, VP of Ops	631-666-0200	2018	104,200.00
East Windsor Reg. School Dis.	Various Work @ Various Locations	Jose Santos	609-443-7846	2018	57,120.00
Sayreville BOE	Concrete Sidewalk/Curb Repair	Jim Kolmansperger	732-525-5200	2018	16,230.00
Howell Twp BOE	District Concrete Curb & SW Replacement	Michael Coolidge	732-751-2499	2018	273,050.00
Springfield Twp BOE	Remove Ramp Repl w/Steps & Repl SW @ Springfield Twp. Sch	Joe Knewasser	609-723-2479	2018	23,632.00
Shrewsbury Borough BOE	Sidewalk Replacement@ Shrewsbury Elementary School	Mike Tillet	732-747-0887	2018	20,500.00
Maplewood Township	Maplewood Ave. Paver Replacement Program 2018	Paul Kittner	973-762-8120	2018	759,137.20
Nickerson/New Rochelle BOE NY	Site Work at (3) Schools, Trinity-Albert Leonard-Wm. B. Ward	Ike Steward, VP of Ops	631-666-0200	2018	63,810.00
Somerset Hills BOE	Asphalt Milling & Paving @ Bernardsville M.S.	Dan McDougal	908-204-1930	2018	37,400.00
East Windsor Reg. School Dis.	ADA Ramp Upgrade - Grace N. Rogers E.S.	Jose Santos	609-443-7846	2018	23,500.00
Delran Township	Route 130 Sidewalk Improvements - Phase II	Jerry DeSanto	609-929-7657	2018	126,705.00
Fair Haven Borough	Sidewalk Improvements - Third Street	Richard Gardella	732-747-0241	2018	621,082.50
River Edge Borough	2018 ADA Curb Ramp Improv-Intersection Wayne/Kindermack	Rob Costa	201-4870015	2018	36,881.00
South Brunswick Twp	18-16 Sidewalk Project	Michael Rakes	732-329-4000	2018	118,000.00
Plainfield City	Vault Closures & Sidewalk Repairs-Contrct #CPLFD-18008	Drew Di Sessa	973-265-0775	2018	356,774.00
Westfield BOE	Washington School Sidewalk Installation Var. Loc.	Mike Morris	908-789-4461	2018	16,000.00
Trenton-Mercer Airport	Installation of Concrete Curb (1028 LF)	Gene Pucci	609-882-1601	2018	34,000.00
Camden County	Mill & Overlay along Market Street Between 5th & 6th	Ms. Kevin Becica, DPW	856-566-2971	2017	67,867.40
Leonia Borough	CDBG ADA-Curb Ramp Construction Project	Robert Costa, PE	201-487-0015	2017	57,000.00

Owner	Job Name	Contact	Phone	Year	Amount
				2017	67,867.40
Camden County	Mill & Overlay along Market Street Between 5th & 6th	Ms. Kevin Becica, DPW	856-566-2971	2017	57,000.00
Leonia Borough	CDBG ADA-Curb Ramp Construction Project	Robert Costa, PE	201-487-0015	2017	44,000.00
Jackson Township BOE	Emergency Parking Lot Repair @ Goetz School	Ed Ostroff	732-833-4653	2017	337,203.00
Hamilton Township	Klockner, Morgan & University Heights Pedestrian Safety	Robert Poppert, PE	609-890-3674	2017	97,788.00
Camden County Vo-Tech School	Asphalt Repairs/Concrete Replacement	Dino Acevedo	856-767-7000	2017	73,000.00
Nickerson Corporation	Millville Memorial HS-Install Grandstand	Ike Steward, VP of Ops	631-666-0200	2017	26,000.00
West Morris BOE	Concrete Sidewalk - Asphalt Mill/Pave & Replacement	Dale Klaver	908-879-5212	2017	50,000.00
Nickerson Corporation	Madison Recreation-Grandstand Bleacher Install	Ike Steward, VP of Ops	631-666-0200	2017	31,396.45
Leo Scheaffer Residence	Brick Outside Fireplace & Wall	Leo Scheaffer	N/A	2017	47,600.00
Garwood BOE	Asphalt Pavement Rehab - Teacher's Lot @ Lincoln School	Tom Spera	908-789-0331	2017	645,404.00
Scotch Plains BOE	Asphalt Repairs @ Various Locations	Anthony Miranda	908-322-4132	2017	125,000.00
Nickerson Corporation	Pequannock HS - Bleacher Install - Grandstand	Ike Steward, VP of Ops	631-666-0200	2017	186,850.00
Lawrence Township	2017 Concrete Program	James Parvesse, PE	609-844-7087	2017	181,783.00
Mahwah Township BOE	Misc. Concrete & Asphalt Work @ Various Locations	Scol Van Demark	201-882-2402	2017	181,860.00
Nickerson Corporation	Madison HS - Home & Visitor Site Work	Ike Steward, VP of Ops	631-666-0200	2017	128,500.00
Jackson Township BOE	Line Striping - Asphalt Paving - Concrete Replacement	Ed Ostroff	732-833-4653	2017	156,707.00
Denville Township BOE	Asphalt Milling/Resurfacing & Pavement Repair-Lakeview ES	Jerry Marinelli	973-204-6089	2017	68,000.00
Camden County Vo-Tech School	Concrete Sidewalk Replacemet @ Gloucester Campus	Dino Acevedo	856-767-7000	2017	53,300.00
Wharton BOE	Sidewalk Repairs @ Marie V. Duffy ES	Tracy Boss, PE	973-586-2400	2017	53,600.00
East Windsor BOE	Sidewalk & Ramp Replacement, Various Locations	Paul Hewlins	609-443-7846	2017	121,500.00
Hillside BOE	Asphalt Milling/Paving Woodfield Stadium & CC School	David DeFluri	908-352-7664	2017	317,873.00
Mercer County	ADA Concrete Curb Ramp Project	George Fallat	609-989-6642	2017	10,150.00
Nickerson Corporation	Monmouth Regional HS - Interior Bleacher Demo	Ike Steward, VP of Ops	631-666-0200	2017	115,671.25
Kinnelon BOE	Repaving @ Kiel & Pearl Miller Schools	Alan Bresell	973-296-9281	2017	103,142.20
Washington Borough	Route 57 Midblock Crossing Replacement	Kevin Smith, PE	908-835-9500	2017	859,115.00
South Plainfield BOE	Parking Lot Improvements-Grant ES; SPHS; SPMS	Robert O'Brien, PE	908-238-5007	2017	23,424.00
Manchester Twp BOE	Misc. Concrete Work	Chris Brown	732-849-2814	2017	41,132.00
Marlboro Twp BOE	Concrete Sidewalk Replacement	Bruce Stein	732-972-2122	2017	28,880.00
Asbury Park BOE	Repave Rear Parking Lot, Curb, Fence, Dumpster Pad BOES	Walter Sosa	732-776-2663	2017	256,113.00
Howell Twp BOE	Concrete Repairs, Asphalt Repairs	Jeff Sharp	732-751-2499	2017	35,000.00
Nickerson Corporation	Little Ferry (Lakeview) Conc. Slab Under Bleachers	Ike Steward, VP of Ops	631-666-0200	2017	35,400.00
Verona BOE	Asphalt & Sidewalk Install Around Football Field	Joseph Trause	973-567-1171	2017	24,000.00
Flemington BOE	Concrete Sidewalk Repair @ Flemington-Raritan HS	Richard Alderiso	732-249-6242	2017	524,148.00
Trenton City	2017 'CITY' Roadway Restoration Service Contract	Steve Scardone	609-989-3245	2017	84,059.00
Little Ferry Borough	Main Street Tree Pit Improvements	Timothy Marques	201-988-6583	2017	

1/26/2018

Owner	Job Name	Contact	Phone	Year	Amount
Nickerson Corporation	Hamilton HS West-Site Work-Demo Grandstand & Press Box	Ike Steward, VP of Ops	631-666-0200	2017	161,045.00
Fairfield Township	2016 H/Ramp Construction	Steve Bury, PE	973-882-2700	2017	41,426.00
Bloomfield Township	Rectangular Rapid Flashing Beacon Install (RRFB)	John Jahr	732-236-7557	2017	232,953.50
Western Monmouth Utilities Aut	Paving Project @ Pinebrook Treatment Plant	James Carr	773-446-9300	2017	66,000.00
Trenton City	2018 'TOWNSHIPS' Roadway Restoration Service Contract	Steve Scardone	609-989-3245	2017	661,570.00
Monmouth-Ocean Educational	MOESC Mill/Overlay Existing P.L. @ Admin. Bldg.	Robert lamello, PE	732-245-5404	2017	74,000.00
Paramus Borough	Shade Tree & Parks Commission Sidewalk Repair Project	Peter Ten Kate, PE	201-641-0770	2017	383,900.00
Polution Control (PCFA)	Removal/Replacement Sidewalk/Curb	James Williams	908-453-2174	2017	28,400.00
New Brunswick City	Crosswalk Safety Improvements/Pedestrian Signs (881-15)	Tom Valenti, PE	732-745-5056	2017	193,000.00
New Brunswick City	ADA Ramps @ Lee Ave/Lawrence/Neilson/Bayard Streets	Tom Valenti, PE	732-745-5056	2017	24,552.00
Morris School District	Paving & Misc. Work @ Frelinghuysen School	Al Rapa	973-445-4810	2016	74,245.00
Morris School District	Concrete & Asphalt Work @ Various Localions	Al Rapa	973-445-4810	2016	13,739.00
Morristown Town	Sussex Avenue Safe Walking Program	Ralph Panel	973-644-4367	2016	179,551.00
Mount Laurel BOE	Walks, Curbs, Paving @ Springville School	Wayne Neville	856-767-7667	2016	128,402.00
Mountain Lakes Borough	H/Ramp; Repl. @ Intersection of Powerville Rd & Boulevard	Bill Ryden	973-887-2270	2016	3,500.00
New Providence BOE	Sidewalk Replacement @ Allen W. Roberts School	Jim Trench	908-464-9042	2016	8,900.00
Newton BOE	Concrete Sidewalk Replacement @ Halsted Middle School	Dave Hughen	973-383-7392	2016	19,320.00
Newton BOE	Asphalt Work @ Halsted School/Concrete Work @ Merriam	Dave Hughen	973-383-7392	2016	124,810.00
Nickerson Corp/Millville HS	Grandstand Bleacher Demo/Install Figs. Pads, Piers	Ike Steward	516-729-0936	2016	110,000.00
Nickerson Corp/Spotswood HS	Grandstand Bleacher Demo/Install Figs. Pads, Piers	Ike Steward	516-729-0936	2016	90,000.00
Nickerson/Eastern Reg. HS	Bleacher Pad - Eastern Regional HS	Ike Steward	516-729-0936	2016	35,000.00
North Hudson Reg. Fire/Rescue	Concrete Slab Repl. Squad 1; Battalion 2 Firehouse	Alex Bushong	201-641-0770	2016	58,805.00
North Hunterdon-Voorhees BOE	Paving/Concrete/Drainage @ Voorhees & NH High Schools	Bill Mowery	908-713-4177	2016	832,622.00
North Hunterdon-Voorhees BOE	Install (3) H/Ramps @ NHHS & VHS	Bill Mowery	908-713-4177	2016	25,500.00
North Plainfield BOE	West End School SW Replacement	Milton Mathis	908-872-1403	2016	22,620.00
Northern Valley BOE	Sidewalk Replacement @ Demarest HS	Tom Mullen	201-768-2200	2016	15,399.00
Ocean County Vo-Tech	Curb & Sidewalk @ Toms River Center	Ed Crawford	732-473-3160	2016	10,400.00
Pine Hill School District	Drywell Replacement @ Overbrook HS	Jay Sims, PE	856-228-2200	2016	333,445.00
Point Pleasant BOE	District Wide Concrete Replacement Program	Ken Hopkins	732-701-2507	2016	75,537.58
Saddle Brook BOE	Concrete Walkway Replacement @ High School	Charles DePeri	201-843-2880	2016	9,450.00
Sayreville BOE	Sidewalk/Curb Replacement @ Middle & Truman Schools	Jim Kolmansperger	732-525-5200	2016	19,220.00
Scotch Plains BOE	Asphalt Milling & Paving @ Various Localions	Anthony Miranda	908-322-4132	2016	430,106.57
Secaucus BOE	Sidewalk Replacement @ Clarendon School	Mario Coffini	201-974-2072	2016	11,400.00
South Hampton BOE	Pavement Rehab @ School #3	Kevin Greene	609-859-2256	2016	22,575.00
Statewide Trucking	Trucking	N/A	N/A	2016	0.00

Owner	Job Name	Contact	Phone	Year	Amount
Stavola Asphalt	NJDOT Rt. 36 - Drainage & Concrete Work	Paul Karatzas	732-542-2328	2016	257,796.25
Washington Township	East Mill Road Sidewalk Improvements	Leon Hall, PE	973-887-2270	2016	158,431.00
West Morris BOE	SW & Curb Replacement @ West Morris Central HS	Dale Klaver	908-879-5212	2016	26,000.00
West Windsor Township	Dutch Neck Pedestrian Safety Improvement Project	Brian Aronson	609-799-9396	2016	122,602.45
Willingboro MUA	Pavement Restoration #30 Sylvan Lane	Jim Mackey	609-877-2900	2016	5,952.60
Willingboro Township	2016 Replacement of Curbs, Sidewalks, & Driveways	Hasson Shipman	856-303-1245	2016	132,923.00
Asbury Park BOE	Concrete Sidewalk & Curb @ Obama School	Frank Prmlani	732-776-2606	2015	7,150.00
Bernards Twp BOE	Pavement Repairs @ Various Locations	Dave Harding	908-322-4132	2015	42,525.00
Bible School	Terrill Road, Fanwood	Rodney Hadley	No Number	2015	N/C
Boonton Twp BOE	Asphalt Paving @ Rockaway Valley School	John Murray	973-334-4162	2015	75,925.00
Boonton Twp BOE	Line Striping	John Murray	973-334-4162	2015	6,700.00
Bradley Beach Borough	Ocean Ave. Ramps & Curb	Joe O'Neill	732-922-9220	2015	107,520.00
Brielle BOE	Brielle E.S. Drainage Improvements	Thomas Strauser	973-484-4800	2015	74,000.00
Burlington City	ADA Ramp Improvement Project	Brian Lafferty	609-267-8310	2015	171,926.00
Carteret BOE	Drainage Reconstruction @ Carteret Columbus School	Drew Packard	732-541-8960	2015	10,200.00
Carteret BOE	Curb & Sidewalk Replacement @ Board Office	Drew Packard	732-541-8960	2015	60,770.00
Carteret BOE	Sidewalk Replacement @ N, Minue @ Middle Schools	Drew Packard	732-541-8960	2015	18,300.00
Central Reg. BOE	Sidewalk Replacement @ Central Reg. @ Middle School	Sam Pepe	732-269-1100	2015	5,070.00
Denville Twp BOE	Asphalt & Drainage Repairs, Various Locations	Jerry Rolph	973-296-5699	2015	115,250.00
East Windsor BOE	Pavement Replacement @ Perry Drew E.S.	Mike Nikola	609-443-7846	2015	87,888.50
Elizabeth BOE	Asphalt Paving Repairs @ Var. Loc./Incl. \$10K Allowance	Miguel Jimenez	908-436-5180	2015	115,681.25
Flemington Borough	Park Ave. & North Main St.- ADA Accessibility Improvements	Robert Martucci	908-735-9500	2015	54,280.00
Franklin Lakes BOE	Asphalt & Drainage Repairs @ Various Locations	Dave Horner	201-847-9492	2015	34,300.00
Franklin Lakes BOE	Asphalt & Drainage Repairs @ Woodside School	Dave Horner	201-847-9492	2015	82,995.00
Franklin Twp BOE (Asphalt)	Pavement Replacement @ Franklin HS	Brian Vansener	973-948-3727	2015	77,500.00
Franklin Twp BOE (Concrete)	Sidewalk Replacement @ Franklin HS	Brian Vansener	973-948-3727	2015	21,296.00
Garwood BOE	Facade, Ramp & Manhole Repair @ Lincoln School	Tom Spera	908-789-0331	2015	77,000.00
Hackensack BOE	Sidewalk & Drainage Repair @ High School	Joe Trause	201-646-7934	2015	12,185.00
Harrington Park Borough	Lafayette Road & Rugen Drive Sidewalk Improvements	Michael Bertiner (Neglia)	201-939-8805	2015	43,572.80
Hasbrouck Heights Borough	Barrier Free Curb Program (Utilizing Comm. Dev. Funds)	Kenneth Job	201-288-0195	2015	83,100.01
Hazlet Twp BOE	Asphalt & Drainage Repairs @ Various Locations	Charlie Hildner	732-264-6055	2015	45,900.00
Hillside BOE	Asphalt Mill & Resurface @ A.P. Morris School	Dave DiFluri	908-352-7664	2015	83,322.50
Howell Twp BOE	Concrete Sidewalk & Asphalt Paving @ Various Locations	Jeff Sharp	732-751-2499	2015	527,868.00
Irvington Township	Asphalt Pavement Repairs - Emergency	Christine Rivera	973-399-6690	2015	36,000.00
Island Heights Borough	Sidewalk Handicap Access Improvements, Various Loc.	Chuck Applegate	732-573-0490	2015	23,266.00

Owner	Job Name	Contact	Phone	Year	Amount
Jackson Twp BOE	Curb & Sidewalk Replacement @ Memorial HS	Ed Ostroff	732-833-4653	2015	156,158.00
Jackson Twp BOE	Memorial HS Concrete & Curb Repairs	Ed Ostroff	732-833-4653	2015	67,672.00
Lawrence Township	2015 Misc. Concrete & Drainage Improvements	James Parvese	609-844-7087	2015	78,100.00
Lawrence Twp BOE	Concrete Replacement @ Lawrence Intermediate School	Jim Alberti	609-847-2422	2015	15,480.00
Linwood City	CDBG Funding 2014 - Contract No. 5	Vincent Pollstina	609-646-2950	2015	41,870.55
Lodi BOE	Wilson School Parking Lot Improvements	Anthony Luna	973-778-4920	2015	71,795.00
Long Branch BOE	Concrete & Misc. Repairs @ Various Locations	Bill D'Addezio	732-571-2868	2015	59,918.00
Long Branch BOE	Sidewalk Replacement In Front of High School	Bill D'Addezio	732-571-2868	2015	6,000.00
Lygas Residence/Vincent Z.	304 Bay Lane, Mantoloking-Foundation Reinforcement	Joanna Lygas	732-740-6803	2015	12,050.00
Madison BOE	Asphalt Pavement Work @ Various Locations	Wayne Desjadon	973-593-3157	2015	147,750.00
Madison BOE	Asphalt Access DW form Borough to BOE Property	Wayne Desjadon	973-593-3157	2015	20,277.00
Madison BOE	(4) Additional Parking Spaces/500 SF Asphalt @ MJS	Wayne Desjadon	973-593-3157	2015	12,700.00
Madison Borough	Asphalt Walking Path @ MRC Field	Bob Vogel	973-593-3061	2015	29,770.00
Marlboro Twp BOE - DC	Sidewalk Replacement @ Memorial Middle School	Tom Daly	732-972-2122	2015	39,000.00
Marlboro Twp BOE - SW	Curb Replacement @ Memorial Middle School	Tom Daly	732-972-2122	2015	3,000.00
Matawan-Aberdeen BOE	Catch Basin Repairs @ Various Locations	Adam Nasr	732-705-4013	2015	18,000.00
Mendham BOE	Sidewalk & Curb @ Hilltop Elementary School	Jon Gesell	973-543-7075	2015	18,000.00
Mercer County (Intersections)	Extra - Intersection Curbing	John Nawrocki	609-989-6541	2015	23,875.00
Middlesex BOE	Asphalt Pavement Repair @ Front Entrance of HS	Ray Mulvey	732-239-4535	2015	8,000.00
Millstone Twp BOE	Asphalt Island & Crack Filling @ Middle School	Mike Coolidge	732-687-3944	2015	15,640.00
Monmouth Beach BOE	Sidewalk & Curb Replacement	Dennis Kotch	732-222-6139	2015	17,185.00
Montgomery Twp BOE	Pavement Repair @ High School & Upper School	Dave Klein	609-466-7600	2015	12,340.00
Montvale BOE	Concrete/Asphalt Repairs @ Memorial & Fieldstone Schools	Marion Latz	201-391-6226	2015	18,050.00
Morris BOE	Asphalt Paving/Drainage Repair @ Frelinghuysen School	Al Rapa	973-445-4810	2015	169,350.00
Morris Plains BOE	Sidewalk Replacement @ Borough School by Playground	Kevin Beattie	973-538-1650	2015	9,550.00
Morris School District	Add'l Asphalt Pavement Repairs @ Front of T. Jefferson	Al Rapa	973-445-4810	2015	14,400.00
New Brunswick City	Crosswalk Safety Improvements, Warning Lighting System	Tom Valenti	732-745-5055	2015	193,900.00
New Millford BOE	Concrete Repairs @ Berkley & Middle Schools	Ron Stokes	201-261-2952	2015	18,200.00
Nickerson Corp/Perth Amboy H	Foundation Piers, Flgs., Sidewalk, Concrete Pads	Ike Steward	516-729-0936	2015	103,950.00
Nickerson Corp/Shore Reg. HS	Demo Existing Bleachers/Construct New Conc. Slab	Ike Steward	516-729-0936	2015	173,000.00
North Hunterdon BOE	Asphalt resurfacing @ Various Locallons	Bill Mowery	908-713-4177	2015	133,083.25
North Plainfield BOE	Driveway Resurfacing @ West End School	Ed Ostroff	908-769-6058	2015	21,789.10
North Plainfield BOE	Concrete Stair Replacement & Drainage Repair, Var. Loc.	Ed Ostroff	908-769-6058	2015	23,500.00
O.C.V.T.S.	Apron, Ramp, SW @ Admin. Office Entrance	Ed Crawford	732-473-3160	2015	8,600.00
O.C.V.T.S./Beach Haven	Curb Repairs @ Beach Haven BOE	Ed Crawford	732-473-3160	2015	9,400.00
Oakland Borough	Recreation Center Walking Path	Dan Lapinski	201-841-0770	2015	112,735.00

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Owner	Job Name	Contact	Phone	Year	Amount
Ocean Gate Borough	Curb/Sidewalk Installation - East Atlantic Avenue	Steve Williams	732-286-9220	2015	36,508.00
Ocean Twp BOE	Sidewalk Replacement @ Intermediate School	Gary Tatersall	732-531-5600	2015	5,300.00
Phelps Construction	Custer Avenue Gym - Team Academy Charter	Amanda Joinson	973-402-0004	2015	72,200.00
Pine Beach Borough	Prospect Avenue Sidewalk - Admiral's Circle	Jack Mallon	732-473-3400	2015	24,067.00
Piscataway BOE	C.B. @ Eisenhower & Sewer Pit @ King Schools	Bill Griffith	732-572-0282	2015	16,400.00
Piscataway BOE	C.B. Repair @ High School	Bill Griffith	732-572-0282	2015	5,400.00
Plainfield BOE	Asphalt Pavement Repairs @ High School	Ken Welch	908-731-4356	2015	8,800.00
Point Pleasant BOE	Asphalt, Concrete, Drainage Repairs @ Various Locations	Gary Ortner	732-701-2507	2015	29,393.75
Princeton BOE	Concrete Curb & Sidewalk Replacement @ Var. Locations	Gary Welsman	609-806-4200	2015	8,500.00
Railroad Construction Company	PSE&G Southern Reinforcement Project	Yunus Atlas	973-413-1802	2015	100,000.00
Railroad Construction/Clifton	RCC Job R151101 - PSE&G Asphalt & Concrete	Yunus Atlas	973-413-1801	2015	117,201.00
Railroad Construction/Garfield	Asphalt Pavement Rehab - Outwater Lane	Yunus Atlas	973-413-1801	2015	32,000.00
Railroad Construction/Rochelle	Asphalt Pavement Rehab - Rochelle Avenue	Yunus Atlas	973-413-1801	2015	40,000.00
Railroad Construction/Wallington	RCC Job R141126 - PSE&G Asphalt & Concrete	Yunus Atlas	973-413-1801	2015	36,625.00
Roxbury Two BOE	Asphalt Pavement Repairs @ Various Locations	John Eschmann	973-584-1136	2015	225,625.00
Seaside Park Borough	CDBG - Reconstruct. Various ADA Compliant Curb Ramps	Remington & Vernick Eng	732-286-9220	2015	24,078.10
Shrewsbury Borough BOE	Concrete Sidewalk Installation	Mike Tillet	732-747-0887	2015	16,800.00
So. Orange/Maplewood BOE	Parking Lot Construction @ Montrose School	Ben Johnson	973-378-9651	2015	112,150.00
So. Orange/Maplewood BOE	Asphalt Pavement Install @ Montrose ELC	Ben Johnson	973-378-9651	2015	14,175.00
Somerset Hills BOE	Paver Installation Front of Bernardsville M.S.	Dan McDugal	908-204-1930	2015	35,350.00
Stafford Twp BOE	Concrete & Asphalt Replacement @ Ocean Acres School	John Ballone	609-978-5700	2015	123,820.75
Teaneck BOE	Pavement Repairs @ Whittier School	Anthony DeAngelo	201-833-5526	2015	13,500.00
Tinton Falls BOE	Pavement & Drainage Repairs, Various Locations	Tamar Gens	732-460-2406	2015	50,893.50
Washington Twp BOE	Concrete Sidewalk Replacement @ Cucinella & Long Valley	A.J. Whitmore	908-876-4172	2015	112,929.00
Wayne BOE	Concrete Replacement @ Terhune School	John Maso	973-633-3053	2015	20,900.00
West New York BOE	Repaving of Old Playground Area	Rick Solaris	201-553-4000	2015	61,220.00
West Windsor Township	Concrete Apron Replacement & Pole Barn Floor	Brian Aronson	609-799-9396	2015	206,600.00
Western Monmouth Utilities Aut	Paving Project @ Treatment Plant & Hawkins Road	Ann Finnerty	732-446-9300	2015	51,300.00
Westwood Twp BOE	Pavement Overlay @ Brookside E.S.	Dean D'Agostino	201-664-0880	2015	66,263.00
Westwood Twp BOE	Asphalt Resurfacing @ Brookside School	Dean D'Agostino	201-664-0880	2015	30,150.00
Willingboro BOE	Sidewalk Replacement @ MMS & HS	Wayne Pinkerton	609-835-8786	2015	12,275.00
Asbury Park BOE	Steps & H/Ramp @ Barack Obama School	Frank Primiani	732-776-2606	2014	38,675.00
Bay Head Borough	East Avenue Curb & Sidewalk Reconstruction	Remington & Vernick Eng	732-286-9220	2014	142,248.00
Berkeley Twp BOE	Misc. Concrete/Asphalt Work @ Clara B. Worth E.S.	Pat Sullivan	732-269-1302	2014	33,500.00
Carteret BOE	Concrete Replacement @ Various Locations	Drew Packard	732-541-8960	2014	42,361.00

Owner	Job Name	Contact	Phone	Year	Amount
Carteret BOE	Misc. Pavement Improvements @ HS Football Stadium	Drew Packard	732-541-8960	2014	27,385.00
East Brunswick BOE	Pavement Repairs Various Schools (Open PO)	Randy Laiser	732-613-6729	2014	4,800.00
East Brunswick BOE	Catch Basin Repair @ EBHS	Randy Laiser	732-613-6729	2014	111,545.00
East Brunswick BOE	Asphalt Mill/Pave GW School & RJD Warehouse	Miguel Jimenez	908-436-5180	2014	1,151.34
Elizabeth BOE	Asphalt Trench Repair @ Memorial School	Michael Murphy	201-599-4181	2014	601,825.00
Emerson BOE	2014 Sidewalk Replacement Program	Frantz Volcy	201-569-7590	2014	398,820.00
Englewood City	Site Improvements, School District	Richard Alderiso	732-249-6242	2014	124,517.50
Flemington-Raritan Reg. BOE	Pking Lot Resurfacing @ High Mountain Road E.S.	Dave Homer	201-847-9492	2014	26,345.00
Franklin Lakes BOE	Asphalt Resurfacing	Rick Goetz	732-873-2371	2014	63,345.00
Franklin Twp BOE	Asphalt Mill/Resurface @ Franklin Middle School	Rick Goetz	732-873-2371	2014	4,800.00
Franklin Twp BOE	Sidewalk Installation @ Franklin Middle School	Nick Molinari	908-591-5239	2014	33,500.00
Gehrlicher Solar America Corp.	Sidewalk Repairs @ Winslow Twp BOE	Dave Watson	856-429-4700	2014	22,048.00
Haddonfield Borough	Pothole Repair	Hamilton Engineering	609-890-3636	2014	104,669.10
Hamilton Township	Misc. Curb, Sidewalk & H/Ramps	Hamilton Engineering	609-890-3636	2014	87,660.35
Hamilton Township (Capital)	2014 Capital Misc. Curb, SW, Accessible Ramps	Hamilton Engineering	609-890-3636	2014	361,500.00
Hamilton Township	Misc. Pavement Restorations	Alicia Schauer	908-859-1001	2014	72,140.00
Hamory Twp BOE	Milling/Paving of Bus Loop	Charlie Hildner	732-264-6055	2014	7,200.00
Hazel Twp BOE	Drainage Repair @ Lillian E.S.	Charlie Hildner	732-264-6055	2014	12,287.00
Hazel Twp BOE	Asphalt Patches @ Middle School & C.B. @ High School	Charlie Hildner	732-264-6055	2014	4,500.00
Hazel Twp BOE	Catch Basin Repair @ High School	Charlie Hildner	732-264-6055	2014	10,850.00
Hazel Twp BOE	Pavement & Drainage Repairs @ MS & HS	Charlie Hildner	732-264-6055	2014	17,930.00
Highlands BOE/Hazel BOE	Sidewalk & Drainage Repairs @ Highlands E.S.	Charlie Hildner	732-264-6055	2014	3,498.00
Ho-Ho-Kus BOE	Misc. Pavement Repairs @ Elementary School	Scott Chamberlin	732-751-2499	2014	84,568.00
Howell Twp BOE	Sidewalk Replacement @ Various Schools	Jeff Sharp	609-989-6541	2014	335,763.25
Mercer County	ADA Compliant Sidewalk Ramps	John Nawrocki	609-989-6541	2014	45,000.00
Irvington Township	Emergency Pot Hole Repair - 1-Year Contract	DPW	973-399-6693	2014	16,955.00
Keansburg BOE	Concrete Repair @ Bolger Middle School	Mike Abbott	732-495-2127	2014	82,000.00
Kinnelon BOE	Paving @ Kinnelon High School	Alan Berselt	973-283-1913	2014	8,400.00
Lawrence Twp BOE	Replace Concrete Steps @ Stackwood E.S.	Maureen Johnson	609-671-5412	2014	85,120.00
Lawrence Twp BOE	Maint. Bldg. & Ben Franklin - Various Work	Maureen Johnson	609-671-5412	2014	8,336.00
Lawrence Twp BOE	Misc. Asphalt Repairs @ Tennis Court & Field	Maureen Johnson	609-671-5412	2014	38,030.00
Lawrence Twp BOE	Pavement Enhancements - Misc. Drainage & Concrete	Mike Collis	201-302-5200	2014	66,300.00
Leonia BOE	Paving Restoration @ Mount Pleasant School	Paul Ko	973-535-8033	2014	20,500.00
Livingston Twp BOE	Retaining Wall Caps @ LHS	Anthony Luna	973-277-4418	2014	\$25/LF
Lodi BOE	Concrete Curb Replacement - 2-Year Service Contract	Anthony Luna	973-277-4418	2014	4,500.00
Lodi BOE	Sidewalk Replacement @ High School	Bill D'Addazio	732-571-2868	2014	

Job Name	Contact	Phone	Year	Amount
Owner	Bill D'Addelio	732-571-2868	2014	16,127.00
Long Branch BOE	Concrete Work @ Various Locations		2014	41,265.00
Matwah Twp BOE	Pavement Repairs @ Various Locations	201-657-5867	2014	55,650.00
Matwah Twp BOE	Stripping, Crack Filling, Seal Coating @ Various Locations	609-989-6541	2014	335,763.25
Matwah Twp BOE	ADA Compliant Sidewalk Ramps	609-278-8100	2014	113,000.00
Mercer County	Parking Lot Upgrades	973-564-7052	2014	42,574.00
Mercer County Improvement Au	ADA Curb Cuts in Various Locations	973-564-7052	2014	14,070.00
Millburn Township	Paving Repairs @ Millburn Middle School	732-687-3944	2014	15,050.00
Millburn Twp BOE	Drainage Repairs	732-521-1500	2014	18,000.00
Monroe BOE	Pavement Improvements @ Middle School	609-466-7600	2014	47,890.00
Montgomery Twp BOE	Concrete & Asphalt Repairs @ Various Locations	973-445-4810	2014	20,526.00
Morris BOE	Speed Bumps & Trench Repair	973-445-4810	2014	25,650.00
Morris BOE	Misc. Concrete/Asphalt Work @ Various Schools	973-285-6986	2014	49,000.00
Morris BOE	Public Safety Training Academy Shelter Conc. Floor	609-267-7200	2014	23,152.75
Morris County	Curb & SW Replacement @ Gertrude Folwell School	973-334-1577	2014	14,000.00
Mount Holly BOE	Roof Reconstruction - Municipal Swim Shelter	973-334-1577	2014	4,800.00
Mountain Lakes BOE	Catch Basin Repair	856-722-6700	2014	91,470.00
Mountain Lakes BOE	Accessible Curb Ramp Project	732-745-5056	2014	184,583.00
National Park Borough	Concrete Ramps & Other Concrete Work, Various Locations	908-464-4042	2014	53,693.00
New Brunswick City	ADA Curb Ramp Improvement (Central Ave.)	516-729-0936	2014	53,550.00
New Providence Borough	Installation of Bleacher Pads/Press Box Foundation	516-729-0936	2014	44,499.74
Nickerson Corp./Bogota H.S.	Concrete Foundation Piers for Press Box @ H.S.	516-729-0936	2014	17,400.00
Nickerson Corp./Brunswick H.S.	Concrete Bleacher Slab @ Paramus HS	516-729-0936	2014	7,500.00
Nickerson Corp./Paramus H.S.	Masonry Repair of Lockers	516-729-0936	2014	175,000.00
Nickerson Corp./Jefferson HS	Footings for Grandstand @ JHS	908-713-4177	2014	68,800.00
Nickerson Corp./Jefferson HS	H/Cap Ramp @ Admin. Building	908-769-6058	2014	99,317.00
North Hunterdon BOE	Resurface & Stripe Pking Lots/Rdways - Various Locations	908-769-6058	2014	12,125.00
North Plainfield BOE	Pavement Repair @ Stonybrook School	732-473-3160	2014	Canceled
North Plainfield BOE	Concrete Ramp @ Cuisline on the Green	732-531-5600	2014	6,744.00
Ocean County Vo-Tech	Concrete Work for OTES	732-531-5600	2014	3,144.00
Ocean Twp BOE	Sidewalk Replacement @ OTES	201-664-1421	2014	4,400.00
Ocean Twp BOE	Concrete Curb & H/Ramp Repair	201-261-7800	2014	64,260.00
Old Tappan BOE	Parking Lot Installation	201-261-7800	2014	35,875.00
Paramus BOE	Asphalt Paving Improvements @ Parkway E.S.	973-321-1488	2014	103,750.00
Paramus BOE	Pothole Repair, City Wide	973-321-1488	2014	64,600.00
Paterson City	Installation of Brick Pavers	609-893-0022	2014	5,200.00
Paterson City	H/Cap Ramp Stripping/Modifications @ Busansky School			
Paterson BOE	Jim Jefferson			

Owner	Job Name	Contact	Phone	Year	Amount
Franklin Lakes BOE	Asphalt Paving	Dave Horner	201-847-9492	2013	86,179.50
Franklin Twp BOE	Asphalt Paving @ Conerly Road School	Rick Goetz	732-873-2371	2013	12,000.00
Franklin Twp BOE	Concrete SW Replacement @ FHS	Rick Goetz	732-873-2371	2013	42,253.00
Franklin Twp BOE	Concrete SW Replacement @ FHS	Rick Goetz	732-873-2371	2013	56,000.00
Franklin Twp BOE	Milling & Paving @ FHS	Rick Goetz	732-873-2371	2013	22,589.00
Freehold Twp BOE	Asphalt Repairs @ JJ Catena School	Paul Rowan	732-866-6808	2013	22,589.00
Hackensack BOE	Brick Masonry @ Fanny Meyer Hillers E.S.	John Dollar	201-280-2649	2013	30,400.00
Hackensack BOE	Pavement Repairs, Faculty/Student Parking Lot	John Dollar	201-280-2649	2013	15,450.00
Haddonfield Borough	Pothole Repairs	Todd Day	856-216-1890	2013	33,294.30
Hamilton Township	South Broad St. & Bow Hill Rd. Curb/SW/Ramps	Joyce Vaughn	609-890-3636	2013	119,890.60
Hazlet Twp BOE	Install Speed Bumps @ RHS	Charlie Hildner	732-496-2536	2013	16,700.00
Hazlet Twp BOE	Concrete Replacement @ Cove Road & Raritan Valley	Charlie Hildner	732-496-2536	2013	52,427.00
Hazlet Twp BOE	Misc. Repairs @ Beer St. & Raritan Valley Schools	Charlie Hildner	732-496-2536	2013	18,000.00
Hazlet Twp BOE	Sealcoating @ Cove Road School	Charlie Hildner	732-496-2536	2013	8,400.00
Hopewell Township	Pedestrian SW from Pau-Len Dr - Hopewell Sr Ct	Stephen Nardelli	856-451-2990	2013	153,825.30
Hopewell Valley BOE	Concrete SW Replacement @ Various Locations	Eric Muentener	609-915-9258	2013	24,368.00
Howell Twp BOE	Concrete Block Repairs	Jeff Sharp	732-267-3935	2013	35,400.00
Keansburg BOE	Install New Asphalt & Steel Bollards	Joseph Wojciewchowski	732-495-2127	2013	20,295.00
Keansburg BOE	Concrete Replacement @ Various Locations	Joseph Wojciewchowski	732-495-2127	2013	24,526.40
Kinnelon BOE	Drainage Repairs @ Various Locations	Alan Bresset	973-283-1923	2013	21,000.00
Lawrence Township	Small Cities CDBG Accessibility Improvements	James Parvesse	609-844-7087	2013	118,224.00
Lawrence Twp BOE	Asphalt Work @ Various Locations	Steve Vandergrift	609-847-6987	2013	69,400.00
Livingston Township	So. Livingston Ave SW Improv/Belmont Dr Access	Jeannette Harduby	973-535-7950	2013	77,926.90
Lodi BOE	Concrete Work @ Lodi High School	Anthony Luna	973-778-4920	2013	20,755.00
Long Branch City	Replace Conc. Aprons, SW, Floor @ Firehouses	David Spaulding	732-571-6655	2013	54,750.00
Mahwah Twp BOE	Asphalt/Concrete Work @ Various Locations	Scot Vandermark	201-882-2402	2013	55,900.00
Manchester Twp BOE	Sidewalk Repair/Replace @ Various Locations	Dave Galvao	732-849-2814	2013	6,091.00
Millburn Twp BOE	Concrete, Asphalt Work @ Various Locations	John Van	973-376-3600	2013	44,853.00
Mount Holly BOE	Sidewalk Replacement @ Brainerd School	Jack Soltesz	609-267-7200	2013	31,224.00
Mountain Lakes BOE	New Metal Roof @ Softball Dugout	Mark Prusina	973-476-3550	2013	12,800.00
National Guard Training Center	Concrete Work	Joe Landree	609-304-9749	2013	11,200.00
Neptune Twp Fire District #1	Repl D/W Apron, SW, Floor @ Unexcelled Firehouse	Joe O'Neill	732-922-9229	2013	14,292.00
New Brunswick BOE	Sidewalk Replacement/Dumpster Pad @ Roosevelt	Harold Goodlow	732-745-5800	2013	14,420.00
New Brunswick BOE	Asphalt Milling & Paving @ Traller Area	Harold Goodlow	732-745-5800	2013	61,400.00
New Brunswick BOE	Line Striping @ Roosevelt E.S.	Harold Goodlow	732-745-5800	2013	7,200.00
New Brunswick BOE	Install Parking Stalls @ Middle School	Harold Goodlow	732-745-5800	2013	11,200.00
Newton BOE	Concrete & Masonry @ Halstead MS	Dave Hughen	973-383-7392	2013	65,620.00

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Owner	Job Name	Contact	Phone	Year	Amount
Nickerson Corporation - Sparta	Installation of Concrete Grandstand Foundation	Ike Steward	631-666-0200	2013	90,000.00
North Brunswick BOE	Concrete/Asphalt Repairs @ Judd Elementary	Bill O'Connor	732-289-3000	2013	56,860.00
North Plainfield BOE	Misc. Concrete/Asphalt @ Various Locations	Ed Ostroff	908-769-6058	2013	22,082.00
Ocean County Vo-Tech	Curb Installation @ T. R. Office	Ed Crawford	732-473-3160	2013	8,400.00
Ocean Twp BOE	Asphalt/Concrete Work @ Various Locations	Gary Tattersal	732-531-5600	2013	23,450.00
Old Bridge Twp BOE	Concrete H/Ramps @ Jonas Salk M.S.	Frank Frazzitta	732-360-5406	2013	18,250.00
Paterson City	Pothole Repairs	Chris Coke	973-321-1488	2013	39,000.00
Pemberton BOE	Concrete Ramp @ Boiler Room	Jim Jefferson	609-892-0002	2013	6,700.00
Pennsauken Twp BOE	Roosevelt Elementary Exterior Stair Replacement	Jenna Coyne	856-795-9596	2013	66,250.00
Piscataway BOE	Asphalt/Concrete Work @ H.S.	William Griffith	732-572-2289	2013	467,647.00
Piscataway BOE	Parking Lot Modifications @ Piscataway HS	William Griffith	732-572-2289	2013	73,388.00
Piscataway BOE	Misc. Asphalt/Concrete/C.B./ Repairs @ Var. Loc.	William Griffith	732-572-2289	2013	26,550.00
Pitman BOE	Retaining Wall @ Middle Sch. & Mem. Sch.	Tom Herms	856-589-1238	2013	43,912.50
Point Pleasant BOE	Asphalt Repairs @ Various Locations	Gary Ortner	732-701-2507	2013	68,000.00
Point Pleasant BOE	Concrete Replacement/Repairs @ Various Locations	Gary Ortner	732-701-2507	2013	23,750.00
Ridgewood BOE	Parking Lot Light Replacement	Steve Technior	201-670-2700	2013	13,400.00
Roxbury Twp BOE	Asphalt Work @ Various Locations	John Eschmann	973-584-6867	2013	305,458.25
Roxbury Twp BOE	Install New Concrete Bleacher Pad @ RHS	John Eschmann	973-584-6867	2013	21,300.00
Roxbury Twp BOE	Asphalt Resurfacing @ Recreation Area	John Eschmann	973-584-6867	2013	7,250.00
Saddle Brook BOE	Curb Replacement & Dumpster Pad	Charles Smith	201-843-6740	2013	9,200.00
Secaucus Town/BOE	Concrete Work @ SHS Entrance	Salvatore Cioffi	201-937-9537	2013	16,200.00
Secaucus BOE	Asphalt/Concrete Work @ HS & Clarendon School	Salvatore Cioffi	201-937-9537	2013	60,200.00
Secaucus BOE	Conc. Repl., Asphalt & Drainage Repair, Var. Loc	Salvatore Cioffi	201-937-9537	2013	116,690.00
Secaucus BOE	SW, Curb, Ramp @ Secaucus HS	Salvatore Cioffi	201-937-9537	2013	11,700.00
Shrewsbury Borough	2013 Pedestrian Safety Improvements	David Cranmer	732-212-8900	2013	134,518.00
Teaneck BOE	Asphalt Milling & Paving	Anthony D'Angelo	201-862-2326	2013	149,400.00
Toms River BOE	Emergency Asphalt Install @ TRHSS	Dharm Bhaat	732-244-1181	2013	4,500.00
Vineland City	Derecho Sidewalk Replacement	David Maillet	856-794-4000	2013	32,333.60
Washington Twp BOE	Asphalt Replacement @ WJK School	Burt Horner	908-856-4172	2013	22,076.00
Willingboro MUA	Bit. Concrete Roadbed & D/W Reconstruction	Jim Mackle	609-877-2900	2013	42,400.00
Asbury Park BOE	Asphalt and Concrete - Various	Frank Primiani	732-856-1206	2012	56,444.00
Asbury Park BOE	Line Striping @ Obama School	Frank Primiani	732-856-1206	2012	4,100.00
Asbury Park BOE	Install Storage Shed	Frank Primiani	732-856-1206	2012	5,800.00
Asbury Park BOE	Concrete Pad for Dumpster	Frank Primiani	732-856-1206	2012	6,100.00
Asbury Park BOE	Install New Storage Shed	Frank Primiani	732-856-1206	2012	5,800.00

Owner	Job Name	Contact	Phone	Year	Amount
Atlantic City BOE	Curb Installation	Kurt Austin	609-343-7200	2012	9,760.00
Beach Condo Association	Bulkhead Repair	Mike Koen	732-295-5255	2012	18,360.00
Bernards Twp BOE	Speed Tables and Concrete Work	Dave Harding	908-322-4132	2012	13,500.00
Brookdale Community College	Handicap Ramp Improv	Kathy McGrath	732-224-2381	2012	114,625.00
Camden City BOE	Masonry Repair @ Camden HS	Wilfred Ubarry	856-966-2000	2012	12,300.00
Camden City BOE	Drainage Improvements	Wilfred Ubarry	856-966-2000	2012	23,700.00
Carteret BOE	Concrete Replacement	Drew Packard	732-541-8960	2012	17,510.00
Carteret BOE	Asphalt and Wall Repairs	Drew Packard	732-541-8960	2012	31,286.00
Carteret BOE	Asphalt Replacement	Drew Packard	732-541-8960	2012	4,200.00
Carteret BOE	Asphalt Resurfacing of Parking Lot	Drew Packard	732-541-8960	2012	52,000.00
Deerfield Twp	Sidewalk Construction	Robert Mulford III	856-451-2990	2012	134,218.50
East Brunswick BOE	Concrete Curb and Sidewalk	Randy Leiser	732-613-6729	2012	4,500.00
East Brunswick BOE	Re-Plaster Existing Lightpole	Randy Leiser	732-613-6729	2012	3,400.00
East Orange BOE	Drainage Repairs @ Glenwood Campus	Dario Lambkin	973-266-5770	2012	8,400.00
Emerson BOE	Sidewalk Replacement	Mike Murphy	201-280-2649	2012	59,000.00
Englewood BOE	Concrete work at Middle School	Michael Huken	201-862-6202	2012	21,300.00
Fair Haven BOE	Sidewalk and Curb Replacement	Rick Robbins	732-747-9307	2012	7,770.00
Fairview BOE	Curb and Sidewalk Replacement	George Herms	201-943-0201	2012	29,500.00
Florham Park BOE	Concrete Slab Replacement	Phil Infantolino	973-261-0145	2012	5,528.00
Fort Lee BOE	Sink Hole Repair	Jack Denichilo	201-585-4609	2012	7,200.00
Fort Lee BOE	Various Handicap Ramp Improvements	Jack Denichilo	201-585-4609	2012	186,766.25
Franklin Twp BOE	Concrete Floor Slab	Rick Goetz	732-873-2371	2012	11,100.00
Franklin Twp BOE	Sidewalk Replacement	Rick Goetz	732-873-2371	2012	6,330.00
Franklin Twp BOE	Concrete Dumpster Pad	Rick Goetz	732-873-2371	2012	5,200.00
Freehold Twp BOE	Concrete work @ Barkalow School	Paul Rowan	732-866-6808	2012	21,402.00
Freehold Twp BOE	Sidewalk Replacement	Paul Rowan	732-866-6808	2012	4,085.00
Hackensack BOE	Concrete and Misc Repairs	John Dollar	201-280-2649	2012	59,950.00
Hackensack BOE	Masonry Repair and Brick Repointing	John Dollar	201-280-2649	2012	66,600.00
Hackensack BOE	Asphalt Resurfacing of Parking Lot	John Dollar	201-280-2649	2012	75,000.00
Haddonfield Borough	2011 CDBG Curb Cuts @ Various	Todd Day	856-216-1890	2012	20,499.00
Haddonfield Borough	Pot Hole Repair	Todd Day	856-216-1890	2012	44,078.00
Hazlet Twp BOE	Parking lot Repairs at Lillian Drive School	Charlie Hildner	732-496-2536	2012	28,805.00
Hazlet Twp BOE	Asphalt Replacement	Charlie Hildner	732-264-6055	2012	7,425.00
Ho-Ho-Kus BOE	Line Striping @ Elementary School	Tom Lambe	201-670-9471	2012	5,200.00
Hopewell Valley BOE	Sidewalk Replacement	Eric Muentener	609-915-9258	2012	22,794.00
Howell Twp BOE	Sidewalk/Curb Replacement	Jeff Sharp	732-267-3935	2012	134,118.20

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Owner	Job Name	Contact	Phone	Year	Amount
Intehaken Borough	Improvements to Grasmere Ave	Joe O'Neil	732-922-9229	2012	235,440.00
Jersey City BOE	Curb and Sidewalk Replacement	Vipul Patel	201-547-5056	2012	108,000.00
Jersey City BOE	Call in Contract - Misc Repairs	Kevin O'Reilly	201-915-6000	2012	266,111.06
Jersey City, Engineering	Curb Sidewalk Improvements	Vipul Patel	201-547-5056	2012	28,020.00
Keansburg BOE	Sidewalk Replacement	Joseph Wojlewchowski	732-495-2127	2012	18,700.00
Keansburg BOE	Masonry Work @ HS	Joseph Wojlewchowski	732-495-2127	2012	22,900.00
Keansburg BOE	Seal Coaling and Line Striping	Joseph Wojlewchowski	732-495-2127	2012	49,640.00
Keansburg BOE	Concrete and Drainage Repairs	Joseph Wojlewchowski	732-495-2127	2012	7,000.00
Keansburg BOE	Concrete and Asphalt Work	Mark Brusino	201-955-5116	2012	5,500.00
Keansburg BOE	Asphalt and Drainage Repair	Alan Bressel	973-283-1923	2012	31,170.00
Kinnelon BOE	Sidewalk and Curb Replacement	Steve Vandergriff	609-847-6987	2012	25,490.00
Lawrence Twp BOE	Concrete Work @ Various Schools	Anthony Luna	973-778-4920	2012	20,640.00
Lodi BOE	Concrete work @ High School	Anthony Luna	973-778-4920	2012	2,133.00
Lodi BOE	Concrete Work @ Middle School	Bill DiAddazio	732-571-2868	2012	59,176.00
Long Branch BOE	Concrete and Asphalt Replacement	Bill DiAddazio	732-571-2868	2012	60,460.00
Long Branch BOE	Handicap Ramp Improv	Mark Basehore	856-546-8611	2012	87,539.00
Magnolia Borough	SW and Curb Replacement	Scott Vandermark	201-882-2402	2012	88,650.00
Mahwah Twp. BOE	Masonry Repair @ HS	Scott Vandermark	201-882-2402	2012	24,926.00
Mahwah Twp. BOE	Bleacher Pads @ Various	Scott Vandermark	201-882-2402	2012	124,450.00
Mahwah Twp. BOE	Masonry Waterproofing	Scott Vandermark	201-882-2402	2012	26,400.00
Mahwah Twp. BOE	Sidewalk and Curb Replacement	Scott Vandermark	201-882-2402	2012	16,100.00
Mahwah Twp. BOE	Parking Lot Improvements	Scott Vandermark	201-882-2402	2012	900.00
Mahwah Twp. BOE	Drainage Improvements	Dave Galvao	732-849-2814	2012	16,500.00
Manchester Twp. BOE	Asphalt Work	Jon Gellei	973-543-7075	2012	38,050.00
Wendham BOE	Asphalt and Concrete Repairs	Amy Gallagher	732-671-3850	2012	0.00
Middletown Twp BOE	Private Job in Cranford	Mike Bodan	No Number	2012	172,520.00
Mike Bodan Residence	Masonry/Concrete Work	John Van	973-376-3600	2012	9,096.00
Millburn BOE	Sidewalk @ Deerfield School	John Van	973-376-3600	2012	34,200.00
Millburn BOE	Asphalt Work @ Various Loc.	Dave Sullivan	856-449-0052	2012	12,373.00
Monroe BOE	Paving @ Roberts ES	Greg McCarthy	856-778-6600	2012	3,600.00
Moorestown Twp. BOE	Drainage Improvements	Mark Prusina	973-476-3550	2012	10,400.00
Mountain Lakes BOE	Sidewalk Replacement	Harold Goodlow	732-745-5800	2012	34,030.00
New Brunswick BOE	Asphalt Work @ Schools	Harold Goodlow	732-745-5800	2012	20,250.00
New Brunswick BOE	Asphalt Seal Coaling	Harold Goodlow	732-745-5800	2012	11,200.00
New Brunswick BOE	Line Striping & Seal Coaling	Harold Goodlow	732-745-5800	2012	37,335.00
Newton BOE	Sidewalk Replacement & Drainage Repair	Dave HUGHEN	973-383-7362	2012	

Year	Amount	Contact	Phone	Job Name	Owner
2012	55,683.00	Bill Mowery	908-217-4097	Voorhees School Concrete Work	North Hunterdon BOE
2012	21,363.00	Bill Mowery	908-217-4097		North Hunterdon BOE
2012	65,780.00	Remington & Vernick Eng	732-286-9220	Sidewalk Replacement	North Hunterdon BOE
2012	54,000.00	Bob Jacob	201-337-6400	Walkway @ Birch Grove Park	Northfield City
2012	0.00	Matthew Kennedy	732-255-0400	Curb and Sidewalk Replacement	Oakland BOE
2012	127,876.00	Gary Tallersal	732-531-5600	Snow Contract	Ocean County College SNOW
2012	6,400.00	Frank Frazzila	732-360-5406	Concrete and Asphalt Work	Ocean Twp BOE
2012	97,400.00	Frank Frazzila	732-360-5406	Concrete Work at High School	Old Bridge Twp BOE
2012	7,200.00	Frank Frazzila	732-360-5406	Sidewalk Replacement	Old Bridge Twp BOE
2012	68,086.80	Bob Aulorino	201-261-7800	Sidewalk Replacement	Old Bridge Twp BOE
2012	60,100.00	Bob Aulorino	201-261-7800	Concrete and Asphalt Work	Paramus BOE
2012	1,699,360.00	Patrick Porcano	973-340-4355	Masonry Repairs @ HS	Paramus BOE
2012	2,400.00	Jim Jefferson	609-892-0002	Pavement and Sidewalk Removal	Passaic Valley Water Commiss
2012	15,600.00	Jim Jefferson	609-893-0002	Line Striping @ Early Childhood Learning Center	Pemberton BOE
2012	47,450.00	William Griffith	732-572-2289	Sidewalk Improvement	Pemberton BOE
2012	4,500.00	William Griffith	732-572-2289	Sidewalk Replacement	Piscataway BOE
2012	92,565.00	Tom Herms	856-589-1238	Catch Basin Repairs	Piscataway BOE
2012	107,870.00	Tim Shulz	215-968-5031	Concrete/Asphalt @ Various	Pitman BOE
2012	30,000.00	William Marsh	609-517-3472	Central Pump Station Improvements	PKF-Mark III - Vincent
2012	5,100.00	William Marsh	609-517-3472	Sidewalk Installation	Pleasantville BOE
2012	34,770.25	Gary Orner	732-701-2507	Railing Installation	Pleasantville BOE
2012	37,417.80	Gary Orner	732-701-2507	Concrete Replacement - Various	Point Pleasant BOE
2012	179,600.00	Raymond Savacool	732-473-3400	Concrete Replacement - Various	Point Pleasant BOE
2012	24,800.00	Peter Kearny	732-856-1206	Boardwalk Reconstruction	Pt Pleasant Beach Boro - Joe
2012	267,815.85	Antoine Hajjar	908-806-6102	Masonry Repairs @ HS	Ramapo Indian Hills BOE
2012	261,929.00	John Eschmann	973-584-8867	Safe Routes to Schools	Raritan Twp BOE
2012	71,740.30	Mark Basehore	856-456-8611	Asphalt Milling/Paving	Roxbury Twp BOE
2012	65,005.00	Mark Basehore	201-843-6740	2012 Handicap Ramp Project	Runnemede Borough
2012	73,300.00	Charles Smith	732-934-0723	Concrete and Masonry Work	Saddle Brook BOE
2012	17,800.00	Dennis Pantolino	201-937-9537	Concrete Sidewalk	Sayville BOE
2012	33,000.00	Salvatore Cloffi	732-747-0887	Asphalt Milling/Paving	Secaucus BOE
2012	26,052.00	Mike Tillet	201-937-9537	Concrete at Elementary School	Shrewsbury BOE
2012	7,000.00	Salvatore Cloffi	732-946-0055	Asphalt and Concrete - Various	Somerville BOE
2012	58,675.50	Tom Giglio	973-378-7715	Concrete Sidewalk @ High School	South Hunterdon BOE
2012	27,600.00	Ed Gulyas	973-378-7715	Sidewalk Repairs @ Various	South Orange Village
2012	24,750.00	Ed Gulyas	973-376-1025	Tree Stump Removal & SW Replacement	South Orange Village
2012	24,750.00	William Knorr	973-376-1025	Seal Coating - TLS	Springfield BOE

Owner	Job Name	Contact	Phone	Year	Amount
Springfield BOE	Demo Block Wall	William Knorr	973-376-1028	2012	26,800.00
Teaneck BOE	Concrete/Masonry Work - Various Locations	Anthony D'Angelo	201-862-2326	2012	41,735.00
Wayne BOE	Asphalt Work @ Lafayette School	Lou Tulipano	973-31-72198	2012	2,850.00
West Milford BOE	Bus Loop Repair	Eric Sandeve	732-671-3850	2012	9,450.00
Westwood Reg BOE	Resurfacing of Existing Parking Lots	Dean D'Agostino	201-664-0880	2012	50,955.00
Willingboro BOE	Railing Installation	Jack Gall	609-304-6318	2012	2,450.00
Willingboro BOE	Asphalt Replacement - Various	Jack Gall	973-697-1700	2012	13,800.00
Willingboro MUA	Concrete Restoration	Jim Mackle	609-877-2900	2012	188,284.00
Willingboro MUA	2nd year of Asphalt term Agreement	Jim Mackle	609-877-2900	2012	UNIT
Winslow BOE	Sidewalk Replacement	Doug McGary	856-767-0995	2012	5,634.00
Winslow BOE	Asphalt Paving @ School 4	Doug McGary	732-745-5800	2012	54,720.00
Asbury Park BOE	Concrete work @ Stadium	Frank Prlmano	732- 856-1206	2011	121,000.00
Bloomfield Twp	Sidewalk Program	Paul Lesek	973-680-4130	2011	55,596.00
Brick Twp Drainage	Asphalt Paving on Winding River Road	Ken Schaeffer	732-477-1040	2011	1,650.00
Bridgeton BOE	Asphalt Repairs @ Indian Ave School	Tom Smith	856-455-8030	2011	33,500.00
Camden City BOE	Sinkhole Repair @ Molina School	Wilfred Ubarry	856-966-2000	2011	7,200.00
Carteret BOE	Concrete/Asphalt Repairs - Various	Drew Packard	732-541-8960	2011	22,747.00
Chatham BOE	Drainage Inlet Repair - Washington Ave School	John Cataldo	973-457-2504	2011	4,200.00
Chatham BOE	2011 Pavement Repairs	John Cataldo	973-457-2504	2011	48,060.00
Cranford Twp.	Bulkhead Replacement - Canoe Club	Rick Marsden	908-709-7218	2011	28,970.00
Demarest Borough	Safe Routes to Schools	Gary Vander Veer	201-845-8500	2011	146,905.57
East Brunswick BOE	Asphalt Repairs @ Various Locations	Randy Leiser	732-613-6729	2011	5,000.00
East Brunswick BOE	Concrete and Asphalt @ EBHS	Randy Leiser	973-613-6729	2011	14,232.00
Fair Haven BOE	Asphalt and Drainage Repair @ Knollwood School	Rick Robbins	732-747-9307	2011	6,192.00
Fair Haven BOE	Sidewalk Installation	Rick Robbins	732-747-9307	2011	28,200.00
Florence Twp	2011 Pedestrian Safety Improv	Bill Buechele	609-654-4440	2011	102,100.00
Fort Lee BOE	Concrete Repairs @ School 1 & 2	Jack Denichlo	201-585-4609	2011	15,450.00
Franklin Twp BOE	Sidewalk & Curb Replacement - Various	Rick Goetz	732-873-2371	2011	21,640.00
Freehold Twp BOE	Asphalt Paving at Erickson School	Paul Rowan	732-866-6808	2011	18,705.00
Freehold Twp BOE	ECLC & DDES Concrete Work	Paul Rowan	732-866-6808	2011	12,311.00
Garwood Borough	2011 Street & Tree Improvements	Donald Guarriello	908-789-0710	2011	72,950.00
Gloucester Township	Willamstown Road SW Project	John Pettit	856-464-9600	2011	57,860.00
Hackensack BOE	Asphalt Parking Lot & Concrete Work	John Doller	201-280-2649	2011	28,494.25
Hackensack BOE	Brick Repair Work @ Fanny Hillers School	John Doller	201-280-2649	2011	14,200.00
Hanover Park BOE	Concrete Replacement @ HS	Peter Noonan	973-515-7694	2011	22,351.00

Owner	Job Name	Contact	Phone	Year	Amount
Harding Twp. BOE	Asphalt Repairs @ Middle School	Joseph Pitcher	973-267-6398	2011	28,500.00
Hazlet BOE	Asphalt work at Sycamore and RVHS	Charlie Hildner	973-538-0704	2011	5,400.00
Hazlet Twp BOE	Asphalt/Concrete @ Various	Charlie Hildner	732-264-6055	2011	81,730.00
Henry Hudson Reg BOE	Concrete Curb @ High School	John Lewandowski	732-872-1609	2011	10,800.00
Hillsborough Twp.	Sidewalk & Curb @ Hillsborough MS	Dave Frusco	908-431-6611	2011	14,920.00
Hoboken BOE	Curb and Sidewalk Replacement @ Various	Tom Calligy	201-356-3668	2011	129,890.00
Hope Twp BOE	Parking Lot & Sidewalk Improvements	Dave Blair	908-459-4242	2011	116,600.00
Hopewell Valley BOE	Concrete / Asphalt Repairs	Eric Muentener	609-915-9258	2011	43,326.00
Howell Twp BOE	Concrete Replacement Various	Jeff Sharp	732-751-2499	2011	136,938.50
Howell Twp BOE	Exterior Masonry Repair @ MMS	Jeff Sharp	732-751-2499	2011	11,600.00
Jersey City BOE	Bituminous Concrete Resurfacing	Kevin O'Reilly	201-915-6000	2011	108,000.00
Jersey City DPW	Curb & Sidewalk @ Various Locations	Rodney Hadley	201-547-4449	2011	57,274.82
Keansburg BOE	Asphalt Resurfacing of Parking Lot	Joseph Wojciewchowski	732-495-2127	2011	114,700.00
Keansburg BOE	Misc Asphalt and Concrete Repairs	Joseph Wojciewchowski	732-495-2127	2011	25,700.00
Keansburg BOE	Concrete Sidewalk @ High School	Joseph Wojciewchowski	732-495-2127	2011	23,200.00
Keyport BOE	Firemans Park Boardwalk Repair	Kenneth Krohe	732-264-1321	2011	22,210.00
Keyport BOE	Replace Step @ High School	Kenneth Krohe	732-264-1321	2011	12,300.00
Keyport Borough	Benjamin Terry Park Bulkhead	Dennis Dayback	732-671-6400	2011	548,615.00
Kinnelon BOE	Catch Basin Repairs @ Kiel & Pear Miller	Alan Bresset	973-283-1923	2011	18,600.00
Lakewood BOE	Drainage Repair @ Spruce School	Brian Murphy	732-905-3508	2011	4,200.00
Lakewood BOE	Repairs to Existing Steps	Brian Murphy	732-905-3508	2011	15,100.00
Lakewood Dev Corp	Demo of 319 3rd St - Lakewood	Dave Mango	732-955-8000	2011	22,000.00
Lawrence Twp BOE	Sidewalk Replacement @ Various	Steve Vandergriff	609-847-2422	2011	39,947.00
Lawrence Twp BOE	Asphalt & Concrete Work	Steve Vandergriff	609-847-2422	2011	28,900.00
Linwood City	Wabash Ave ADA Curb Ramp Improv.	Rick Robbins	732-747-9307	2011	23,053.70
Livingston Township	Handicapped Accessible SW Improv.	Jeannette Harduby	973-535-7950	2011	269,112.20
Lodi BOE	Sidewalk Replacement @ High School	Anthony Luna	973-778-4920	2011	28,406.00
Lodi BOE	SW/Curb Replacement @ Columbus	Anthony Luna	973-778-4920	2011	23,400.00
Lodi BOE	Repairs to Ramp Wall	Anthony Luna	973-778-9920	2011	6,800.00
Lodi BOE	Parking Lot Upgrades	Anthony Luna	973-778-4920	2011	98,000.00
Long Branch BOE	Sidewalk Replacement	Bill DiAddezio	732-571-2868	2011	16,000.00
Long Branch BOE	Concrete Pad and Sidewalk	Bill DiAddezio	732-571-2868	2011	17,097.75
Manasquan BOE	Sidewalk Replacement @ Kindergarden Playground	Bernie Bigley	732-528-8820	2011	10,017.00
Manchester Twp. BOE	Replace Main Sidewalk @ Middle School	Dave Galvao	732-849-2814	2011	5,425.00
Middlesex County College	South 1 Ramp Replacement	Marcus Rosenau	908-725-7800	2011	34,722.00
Middlesex County College	Replace Front Porch & Handrails	Marcus Rosenau	908-725-7800	2011	7,000.00

Owner	Job Name	Contact	Phone	Year	Amount
Monmouth County Park System	Dock Replacement @ MR Visitors Ctr	Jim Mowczan	732-842-4000	2011	279,326.00
Monroe BOE	Asphalt Work @ Various Loc.	Jerry Tague	732-521-1500	2011	39,700.00
Morris School District	Concrete Sidewalk and Steps @ Hillcrest School	Al Rapa	732-445-4809	2011	22,300.00
Mount Olive BOE	Concrete Work at HS & Eisenhower	Tom Scerbo	973-725-1170	2011	6,250.00
Mountain Lakes Boro	Curb and Sidewalk Replacement @ Various	Mark Prusina	973-476-3550	2011	115,000.00
Neptune Twp BOE	Green Grove ES - Drainage	Eric Wagner	732-741-5270	2011	43,100.00
New Brunswick BOE	Seal Coating and Line Striping	Harold Goodlow	732-745-5800	2011	22,900.00
Newton BOE	Paving/Concrete/Sealcoating	Dave Hudgen	973-383-7392	2011	239,800.00
North Hunterdon BOE	Asphalt Concrete work at High School	Bill Mauley	908-217-4097	2011	119,770.00
North Hunterdon BOE	Concrete Installation	Bill Mauley	908-713-4177	2011	53,991.00
North Plainfield BOE	Asphalt Pavement Repairs @ East End School	Ed Ostroff	908-769-6058	2011	8,150.00
North Plainfield BOE	Asphalt and Concrete - Various	Ed Ostroff	908-769-6058	2011	32,090.00
North Plainfield BOE	Replace SW & Ramp wall, WMS	Keith Sirsky	908-362-8211	2011	16,140.00
North Warren BOE	Concrete Floor Repair/Northern Recycling	Joe Vineyard	973-912-2435	2011	34,800.00
Ocean County Board of Freehol	Snow Contract	Matthew Kennedy	732-255-0400	2011	0.00
Ocean County College SNOW	Concrete/Asphalt - Various	Gary Tattersal	732-531-5600	2011	15,001.00
Ocean Twp BOE	Curb Removal @ Intermediate School	Gary Tattersal	732-531-5600	2011	18,774.00
Ocean Twp BOE	Asphalt Resurfacing of Parking Lot	Gary Tattersal	732-531-5600	2011	64,400.00
Ocean Twp BOE	Asphalt Replacement - Various	Frank Frazzitta	732-360-5406	2011	92,400.00
Old Bridge Twp BOE	Sidewalk/Curb Replacement	Bob Autorino	201-261-7800	2011	41,415.00
Paramus BOE	Sidewalk and Ramp Replacement @ High School	Bob Autorino	201-261-7800	2011	17,800.00
Paramus BOE	Drainage Repair @ Eisenhower School	William Griffith	732-572-2289	2011	4,400.00
Piscataway BOE	Drainage Repair @ High School	William Griffith	732-572-2289	2011	5,400.00
Piscataway BOE	Concrete Work @ HS & Eisenhower	William Griffith	732-572-2289	2011	4,000.00
Piscataway BOE	Drainage Repair @ PMS	William Griffith	732-572-2289	2011	13,200.00
Piscataway BOE	Emergency CB Repair; Randolph Elementary	William Griffith	732-572-2289	2011	4,400.00
Plainfield BOE	Concrete Repairs @ HS	Harold Gee	908-731-4356	2011	15,900.00
Pleasantville BOE	Asphalt Replacement	William Marsh	609-517-3472	2011	16,000.00
Pleasantville BOE	Concrete Pad Installation @ PMS	William Marsh	609-517-3472	2011	8,450.00
Pleasantville BOE	Concrete Work @ MSP	William Marsh	609-517-3472	2011	5,600.00
Princeton Reg BOE	Asphalt Work @ Witherspoon MS	Gary Welsman	609-203-4534	2011	7,800.00
Ramapo Indian Hills BOE	New Concrete Work @ RHS	Peter Keaney	201-891-1500	2011	25,279.00
Ranney School	New Concrete Sports Practice Wall	Dennis Meyers	732-543-4777	2011	50,400.00
Red Bank Boro BOE	Asphalt/Concrete Work @ Various	Tom Belanger Eng	732-758-1500	2011	144,235.00
Red Bank Regional High School	Sidewalk Repairs at High School	Manny Pabon	732-842-8000	2011	18,450.00
Red Bank Regional High School	Concrete Block Wall Repair	Manny Pabon	732-842-8000	2011	3,500.00

1/26/2018

Owner	Job Name	Contact	Phone	Year	Amount
Red Bank Regional High School	Asphalt Paving Football Field Entrance	Manny Pabon	732-842-8000	2011	22,000.00
Ridgewood BOE	Misc Asphalt and Concrete Work	Steve Technior	201-670-2700	2011	79,000.00
Ridgewood BOE	Emergency Work	Steve Technior	201-670-2700	2011	16,200.00
Scotch Plains - Fanwood BOE	Parking Lot Modifications - H/C Ramps	Anthony Miranda	908-322-4132	2011	28,500.00
Spotswood BOE	Curb and Sidewalk Repairs	Mike Palumbo	732-723-2237	2011	21,138.00
Springfield BOE	SW & Ramp Replacement - Various	William Knorr	973-376-1025	2011	17,304.00
Springfield Twp	ADA Ramp Installation	William Knorr	973-376-1025	2011	38,850.00
Stafford Twp BOE	Curb Repair - District Wide	Wayne Morris	609-276-5509	2011	16,880.00
Suffern Village, NY	Asphalt/Concrete Work @ Various	Charles Sawicki	845-357-2602	2011	28,400.00
Toms River Beach Emergency	Emergency Dock Repair	Robert Chankalian	732-341-1000	2011	13,270.00
Toms River Township	Wall Removal 3rd Ave, Ortle Beach	Robert Chankalian	732-341-1000	2011	3,450.00
Toms River Twp DPW	Curb and Sidewalk @ Various	Dave Fusco	908-431-6611	2011	13,750.00
Toms River Twp Snow	Snow Removal Contract	Matthew Kennedy	732-255-0400	2011	0.00
Tuckerton Borough	Sidewalk and Curb Installation	Frank Little	732-244-1090	2011	27,495.00
Union City	2011 CDA Sidewalk Program	Ralph Tango	973-398-3110	2011	51,820.46
West Orange BOE	Retaining Wall @ WOHS	Robert Scigi	973-669-5400	2011	35,900.00
Willingboro BOE	WR James ES - Parking Lot Resurfacing	Jack Gall	609-304-6318	2011	115,500.00
Willingboro MUA	Blacktop Repairs @ Various	Jim Mackie	609-877-2900	2011	24,119.00
Willingboro MUA	Blacktop Repairs @ Various	Jim Mackie	609-877-2900	2011	16,232.00
Winslow BOE	Replacement Concrete Steps and Ramps	Doug McGary	856-767-0995	2011	32,600.00
Winslow BOE	Construction of Baseball Dugouts	Doug McGary	856-767-0095	2011	34,800.00
Woodbridge Twp	Improvements to Municipal Boat Ramp	Paul Calabrese	732-380-1700	2011	139,300.00
Woodbury Heights Boro	CDBG Sidewalk Extension	David Roche	856-848-6800	2011	13,940.26
		Tina Davidson	609-641-5375	2010	27,460.00
Absecon BOE	Asphalt Repairs	Frank Primiani	732-856-1206	2010	19,500.00
Asbury Park BOE	Sidewalk Replacement	Kurt Austin	609-343-7200	2010	36,500.00
Atlantic City BOE	Concrete Steps, Ramp, Rails	Richard McDonald	732-262-1057	2010	57,230.00
Brick Township	Drum Pt. Softball Complex W/W	Tom Smith	856-455-8030	2010	22,412.70
Bridgeton BOE	Sidewalk Replacement	Tom Smith	856-455-8030	2010	10,000.00
Bridgeton BOE	Misc. Asphalt, Concrete Work	Wilfred U Barry	856-966-2000	2010	56,302.00
Camden City BOE	Asphalt Work, FHES	Drew Packard	732-541-8960	2010	41,490.00
Carteret BOE	S/W Replacement/Various Loc	Jon Bryson	856-582-7976	2010	79,797.97
Deptford Twp.	Tennis Court Reconstruction	Peter Cecko	732-248-7262	2010	142,654.00
Edison Twp.	ADA Curb Ramp Improvements	Rick Goetz	732-873-2371	2010	4,200.00
Franklin Twp. BOE	New S/W @ MS	Rick Goetz	732-873-2371	2010	16,325.00
Franklin Twp. BOE	Curb & SW Replacement				

Job Name	Contact	Phone	Year	Amount
Walkway Installation	Rick Goetz	732-873-2371	2010	28,000.00
Concrete, LD & Catena Schools	Richard Williams	609-890-3648	2010	140,065.50
School Zone Safety Improvement	Charlie Hildner	732-264-6055	2010	28,350.00
Drainage Improvements	David DeFurt	908-352-7664	2010	28,500.00
Ceiling Replacement	Eric Muenlener	609-915-9258	2010	33,600.00
Concrete Replacement	Rodney Hadley	201-547-4449	2010	252,464.66
Concrete Replacement @ Various Loc	Vipul Patel/Engineering	201-547-4641	2010	485,934.00
Curb & SW @ Various Loc	Margaret Conroy	973-383-3100	2010	62,220.00
Curb/Sidewalk Replacement	Joseph Wojciechowski	732-495-2127	2010	28,900.00
Concrete Repairs, Various Loc.	Rocco Damata	732-905-3508	2010	18,980.00
Stair Reconstruction @ HS	Todd Day	732-364-2500	2010	84,000.00
Misc. Repairs, Various Schools	Rocco Damata	732-905-3508	2010	15,800.00
North Lake Drive Walkway	Chuck Applegate	732-573-0490	2010	43,600.00
Bric Re-pointing @ EGC School	James Parvesse	609-844-7087	2010	27,870.00
Dune Walkover Structure H/Ramp	Bill DiAddezio	732-571-2868	2010	28,090.00
2010 Concrete Repairs	Scott Vandermark	201-882-2407	2010	209,000.00
Misc. Concrete Work	Scott Vandermark	201-882-2407	2010	28,900.00
Asphalt/Concrete/Line Striping	Tom Buffa	732-705-4013	2010	16,700.00
Paving @ Bus Garage Area	Glen Cuomo	973-725-3841	2010	31,800.00
Concrete Work, HS & Cliffwood	Mark Prusina	973-478-3550	2010	82,500.00
Asphalt Walkway - Conc. SW	Harold Goodlow	732-745-5800	2010	26,700.00
Misc. Drainage Work	Robbie Dollard	609-646-3111	2010	44,700.00
Misc. Repairs	Ed Crawford	732-473-3160	2010	16,000.00
W/way @ Birch Grove Park	Bob Auterino	201-261-7800	2010	36,800.00
Concrete Drywell Installation	Margaret Gould	908-234-2251	2010	72,016.02
Curb & SW, HS	William Griffin	732-572-0505	2010	28,000.00
Pottersville Road Pedestrian Sa	William Griffin	732-572-0505	2010	27,500.00
Paving/S. Randolphville Rd. Sch	William Griffin	732-572-0505	2010	29,600.00
Asphalt Paving, MLK School	William Griffin	732-572-0505	2010	15,500.00
Drainage, Sidewalk, Asphalt Re	Brian Murphy	732-674-3976	2010	17,200.00
Misc. Repairs Eisenhower/Arbor	Peter Keany	201-891-1500	2010	10,400.00
Concrete Dugout JV B/B Field	Manny Pabon	732-842-8000	2010	28,300.00
Concrete Replacement	Christopher Stalle P.E.	201-337-7470	2010	238,000.00
Concrete Slab Installation	Christopher Stalle P.E.	201-337-7470	2010	34,400.00
Bike Path Improvements	Isaac Young	856-935-9596	2010	232,000.00
Sidewalk Project				

Southern Nevada Office
2310 Corporate Circle, Suite 200
Henderson, Nevada 89074
(702) 486-1100

Exhibit A
Northern Nevada Office
5390 Kietzke Lane, Suite 102
Reno, Nevada 89511
(775) 688-1141

STATE CONTRACTORS BOARD

The Nevada State Contractors Board certifies that

NV NJ CONSTRUCTION GROUP INCORPORATED

Licensed since October 05, 2017

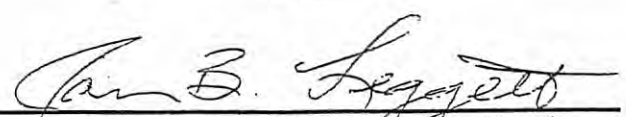
License No. **0082843**

Is duly licensed as a contractor in the following classification(s):

PRINCIPALS:
JOHN KOVACS, President, QI

A-12 Excavating, Grading, Trenching and Surfacing, A-15 Sewers,
Drains and Pipes, A-16 Paving of Streets, Driveways and Parking
Lots, A-8 Sealing and Striping of Impermeable Paving Surfaces, A-9
Piers and Foundations

LIMIT: \$800,000
EXPIRES: 10/31/2019


Chairman, Nevada State Contractors Board



SECRETARY OF STATE



NEVADA STATE BUSINESS LICENSE

NV NJ CONSTRUCTION GROUP INCORPORATED

Nevada Business Identification # NV20161679246

Expiration Date: November 30, 2019

In accordance with Title 7 of Nevada Revised Statutes, pursuant to proper application duly filed and payment of appropriate prescribed fees, the above named is hereby granted a Nevada State Business License for business activities conducted within the State of Nevada.

Valid until the expiration date listed unless suspended, revoked or cancelled in accordance with the provisions in Nevada Revised Statutes. License is not transferable and is not in lieu of any local business license, permit or registration.



IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Great Seal of State, at my office on November 28, 2018

Barbara K. Cegavske

Barbara K. Cegavske
Secretary of State

You may verify this license at www.nvsos.gov under the Nevada Business Search.

License must be cancelled on or before its expiration date if business activity ceases. Failure to do so will result in late fees or penalties which by law cannot be waived.

(PROFIT) INITIAL/ANNUAL LIST OF OFFICERS, DIRECTORS AND STATE BUSINESS LICENSE APPLICATION OF:

Exhibit A
ENTITY NUMBER

NV NJ CONSTRUCTION GROUP INCORPORATED
NAME OF CORPORATION

E0503822016-8

FOR THE FILING PERIOD OF NOV, 2017 TO NOV, 2018



100103

USE BLACK INK ONLY - DO NOT HIGHLIGHT

YOU MAY FILE THIS FORM ONLINE AT www.nvsilverflume.gov

Return one file stamped copy. (If filing not accompanied by order instructions, file stamped copy will be sent to registered agent.)

Filed in the office of <i>Barbara K. Cegavske</i> Barbara K. Cegavske Secretary of State State of Nevada	Document Number 20170483453-67
	Filing Date and Time 11/15/2017 3:50 PM
	Entity Number E0503822016-8

IMPORTANT: Read instructions before completing and returning this form.

- Print or type names and addresses, either residence or business, for all officers and directors. A President, Secretary, Treasurer, or equivalent of and all Directors must be named. There must be at least one director. An Officer must sign the form. **FORM WILL BE RETURNED IF UNSIGNED.**
- If there are additional officers, attach a list of them to this form.
- Return the completed form with the filing fee. Annual list fee is based upon the current total authorized stock as explained in the Annual List Fee Schedule For Profit Corporations. A \$75.00 penalty must be added for failure to file this form by the deadline. An annual list received more than 90 days before its due date shall be deemed an amended list for the previous year.
- State business license fee is \$500.00/\$200.00 for Professional Corporations filed pursuant to NRS Chapter 89. Effective 2/1/2010, \$100.00 must be added for failure to file form by deadline.
- Make your check payable to the Secretary of State.
- Ordering Copies:** If requested above, one file stamped copy will be returned at no additional charge. To receive a certified copy, enclose an additional \$30.00 per certification. A copy fee of \$2.00 per page is required for each additional copy generated when ordering 2 or more file stamped or certified copies. Appropriate instructions must accompany your order.
- Return the completed form to: Secretary of State, 202 North Carson Street, Carson City, Nevada 89701-4201, (775) 684-5708.
- Form must be in the possession of the Secretary of State on or before the last day of the month in which it is due. (Postmark date is not accepted as receipt date.) Forms received after due date will be returned for additional fees and penalties. Failure to include annual list and business license fees will result in rejection of filing.

(This document was filed electronically.)
ABOVE SPACE IS FOR OFFICE USE ONLY

CHECK ONLY IF APPLICABLE AND ENTER EXEMPTION CODE IN BOX BELOW

- Pursuant to NRS Chapter 76, this entity is exempt from the business license fee. Exemption code: **NRS 76.020 Exemption Codes**
NOTE: If claiming an exemption, a notarized Declaration of Eligibility form must be attached. Failure to attach the Declaration of Eligibility form will result in rejection, which could result in late fees. 001 - Governmental Entity
006 - NRS 680B.020 Insurance Co.
- This corporation is a publicly traded corporation. The Central Index Key number is: _____
- This publicly traded corporation is not required to have a Central Index Key number.

NAME JOHN A KOVACS	TITLE(S) PRESIDENT (OR EQUIVALENT OF)
ADDRESS 9788 GILESPIE STREET SUITE #417	CITY STATE ZIP CODE LAS VEGAS NV 89183
NAME JOHN A KOVACS	TITLE(S) SECRETARY (OR EQUIVALENT OF)
ADDRESS 9788 GILESPIE STREET SUITE #417	CITY STATE ZIP CODE LAS VEGAS NV 89183
NAME JOHN A KOVACS	TITLE(S) TREASURER (OR EQUIVALENT OF)
ADDRESS 9788 GILESPIE STREET SUITE #417	CITY STATE ZIP CODE LAS VEGAS NV 89183
NAME JOHN A KOVACS	TITLE(S) DIRECTOR
ADDRESS 9788 GILESPIE STREET SUITE #417	CITY STATE ZIP CODE LAS VEGAS NV 89183

None of the officers or directors identified in the list of officers has been identified with the fraudulent intent of concealing the identity of any person or persons exercising the power or authority of an officer or director in furtherance of any unlawful conduct.

I declare, to the best of my knowledge under penalty of perjury, that the information contained herein is correct and acknowledge that pursuant to NRS 239.330, it is a category C felony to knowingly offer any false or forged instrument for filing in the Office of the Secretary of State.

X JOHN A KOVACS
Signature of Officer or Other Authorized Signature

Title: PRESIDENT Date: 11/15/2017 3:50:23 PM

ECONOMIC DEVELOPMENT
COMMUNITY DEVELOPMENT BLOCK GRANT

CERTIFICATION OF BIDDER/CONTRACTOR REGARDING
EQUAL EMPLOYMENT OPPORTUNITY

INSTRUCTIONS

This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rules and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven calendar days after the bid opening. No contract shall be awarded unless such report is submitted.

CERTIFICATION

"The Bidder (Contractor) shall complete the following statement by checking the appropriate boxes.

The Bidder (Contractor) has []has not [] participated in a previous contract or subcontract subject to the equal opportunity clause prescribed by Executive Order 10925, or Executive Order 11114, or Executive Order 11246.

The Bidder (Contractor) has []has not [] submitted all compliance reports in connection with any such contract due under the applicable filing requirements; and that representations indicating submission of required compliance reports signed by proposed subcontractors will be obtained prior to award of subcontracts.

If the Bidder (Contractor) has participated in a previous contract subject to the equal opportunity clause and has not submitted compliance reports due under applicable filing requirements, the Bidder (Proposer) shall submit a compliance report on Standard Form 100, 'Employee Information Report EEO-1' prior to the award of contract." See www.eeoc.gov for more information.

JOHN KOVAS

Name & Title of Bidder/Contractor (Please Type)

John Kovas
Signature

5/15/19
Date

JOHN KOVAS, PRESIDENT

ATTACHMENT C-FEDERAL REQUIREMENTS
NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

Exhibit A

N/A

CERTIFICATION OF PROPOSED SUBCONTRACTOR REGARDING
EQUAL EMPLOYMENT OPPORTUNITY

INSTRUCTIONS

This certification is required pursuant to Executive Order 11246 (30 F.R. 12319-25). The implementing rules and regulations provide that any bidder or prospective contractor, or any of their proposed subcontractors, shall state as an initial part of the bid or negotiations of the contract whether it has participated in any previous contract or subcontract subject to the equal opportunity clause; and if so, whether it has filed all compliance reports due under applicable instructions.

Where the certification indicates that the bidder has not filed a compliance report due under applicable instructions, such bidder shall be required to submit a compliance report within seven calendar days after the bid opening. No contract shall be awarded unless such report is submitted.

CERTIFICATION

"The Subcontractor shall complete the following statement by checking the appropriate boxes.

The Subcontractor has has not participated in a previous contract or subcontract subject to the equal opportunity clause prescribed by Executive Order 10925, or Executive Order 11114, or Executive Order 11246.

The Subcontractor has has not submitted all compliance reports in connection with any such contract due under the applicable filing requirements; and that representations indicating submission of required compliance reports signed by proposed subcontractors will be obtained prior to award of subcontracts.

If the Subcontractor has participated in a previous contract subject to the equal opportunity clause and has not submitted compliance reports due under applicable filing requirements, the Subcontractor shall submit a compliance report on Standard Form 100, 'Employee Information Report EEO-1' prior to the award of contract." See www.eeoc.gov for more details.

N.O. SUBCONTRACTORS

Name & Address of Subcontractor (Please Type)

John Kow
Signature

5/15/19
Date



ATTACHMENT C-FEDERAL REQUIREMENTS Exhibit A
NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

LOBBYING ASSURANCES – BIDDER/MAIN CONTRACTOR

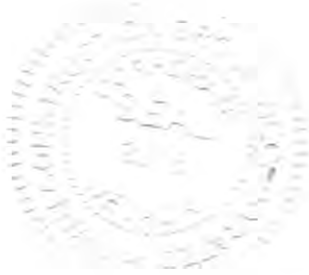
The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at the all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure.

Signature John Kovas
Bidder/Main Contractor: Authorized Official
JOHN KOVAS, PRESIDENT

5/15/19
Date



ATTACHMENT C-FEDERAL REQUIREMENTS
NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

Exhibit A

N/A

LOBBYING ASSURANCES - SUBCONTRACTOR

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (4) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (5) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (6) The undersigned shall require that the language of this certification be included in the award documents for all sub awards at the all tiers (including subcontracts, sub grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each failure.

Signature

NO SUBCONTRACTORS
Subcontractor: Authorized Official

5/15/19
Date

ATTACHMENT C-FEDERAL REQUIREMENTS
NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

Exhibit A

CERTIFICATION OF CONTRACTOR OR SUBCONTRACTOR REGARDING
DEBARMENT, SUSPENSION, INELIGIBILITY OR
VOLUNTARY EXCLUSION

The undersigned contractor or subcontractor certifies, to the best of his knowledge and belief, that:

1. Neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from participation in this contract by any Federal department, agency, or program.
2. Where either the contractor or subcontractor is unable to certify to any of the above statements, the contractor or subcontractor shall attach an explanation as to why a certification cannot be submitted.

MV NG CONSTRUCTION GROUP INC
Name of Contractor or Subcontractor

JOHN KOVACS, President
Name and Title of Authorized Representative

John Kovacs
Signature

5/15/19
Date



NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM**SECTION 3 CLAUSE**

All Section 3 contracts exceeding \$100,000 shall include the following clause (referred to as the Section 3 Clause):

- A. The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Community Development Act of 1968, as amended, 12 U.S.C. 1701u (Section 3). The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD- assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low-income or very low-income persons, particularly persons who are recipients of HUD assistance for housing.
- B. The parties to this contract agree to comply with HUD regulations in 24 CFR part 135, which implement Section 3. As evidence by their execution of this contract, the parties to this contract certify that they are under no contractual or other impediment that would prevent them from complying with the Part 135 Regulation.
- C. The contractor agrees to send to each labor organization or representative of workers with which the contractor has a collective bargaining agreement or other understanding, if any, a notice advising the labor organization or workers' representative of the contractor's commitments under this Section 3 Clause, and will post copies of the notice in conspicuous places at the work site where both employees and applicants for training and employment positions can see the notice. The notice shall describe the Section 3 preference, shall set forth minimum number and job titles subject to hire, availability of apprenticeship and training positions, the qualifications for each; and the name and location of the person(s) taking applications for each of the positions; and the anticipated date the work shall being.
- D. The contractor agrees to include this Section 3 Clause in every subcontract subject to compliance with regulations in 24 CFR part 135, and agrees to take appropriate action, as provided in an applicable provision of the subcontract or in this Section 3 Clause upon finding that the subcontractor is in violation of the regulations in CFR Part 135. The contractor will not subcontract with any subcontractor where the contractor has notice or knowledge that the subcontractor has been found in violation of the regulations in 24 CFR Part 135.
- E. The contractor will certify that any vacant employment positions, including training positions, that are filled (1) after the contractor is selected but before the contract is executed, and (2) with persons other than those to whom the regulation of 24 CFR Part 135 require employment opportunities to be directed, were not filled to circumvent the contractor's obligations under 24 CFR Part 135.

Noncompliance with HUD's regulations in 24 CFR Part 135 may result in sanctions, termination of this contract for the default, and debarment or suspension from future HUD assisted contracts.

NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

CERTIFICATION OF PROPOSED CONTRACTOR REGARDING SECTION 3 AND SEGREGATED FACILITIES

<p><u>NVNS CONSTRUCTION</u> Name of Contractor <u>GROUP INC</u></p>	<p><u>CDBG College PKY. ADA Improvement Project # 031807</u> Project Name and Number</p>
---	--

The undersigned hereby certifies that:

- a) Section 3 provisions are included in the contract:
- b) A written Section 3 Clause was prepared and submitted as part of the bid proceedings (If the bid equals or exceeds \$100,000);
- c) No segregated facilities will be maintained.

JOHN KOVAS, PRESIDENT

Print or type Name & Title of Person Signing

Signature

Date



5/15/19

Directions: This certification is to be completed by the contractor and submitted with the bid document. Subparagraph c) does not preclude contractors from providing separate lavatories or changing facilities for men and women.

NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM

CERTIFICATION OF PROPOSED SUBCONTRACTOR REGARDING SECTION 3 AND SEGREGATED FACILITIES

N/A

NO SUBCONTRACTORS

Name of Subcontractor

Project Name and Number

The undersigned hereby certifies that:

- a) Section 3 provisions are included in the contract:
- b) A written Section 3 Clause was prepared and submitted as part of the bid proceedings (If the bid equals or exceeds \$100,000);
- c) No segregated facilities will be maintained.

Print or type Name & Title of Person Signing

Signature

Date

Directions: This certification is to be completed by the contractor and submitted with the bid document. Subparagraph c) does not preclude contractors from providing separate lavatories or changing facilities for men and women.

NEVADA COMMUNITY DEVELOPMENT BLOCK GRANT PROGRAM**SECTION 3 PROVISIONS FOR CONTRACTS****I. PURPOSE**

To ensure that employment and other economic opportunities generated by the Community Development Block Grant (CDBG) funds shall, to the greatest extent feasible, be directed to low- and very low-income persons, particularly those who reside in government-assisted housing, and to business concerns which provide economic opportunities to low- and very low-income persons.

II. APPLICABILITY

The requirements apply to contractors and subcontractors performing work on Section 3 covered project(s) for which the amount exceeds \$100,000.

III. DEFINITIONS

Applicant means any entity which makes a application for CDBG funds, and includes but is not limited to, any State, unit of local government, public housing agency, Indian housing authority, Indian tribe, or other public body, public or private nonprofit organization, private agency or institution, mortgagor, developer, limited dividend sponsor, builder, property manager, community housing development organization (CHDO), resident management corporation, resident council, or cooperative association.

Business concerns means a business entity formed in accordance with State law, and which is licensed under State, county, or municipal law to engage in the type of Business activity for which it was formed.

Contractor means any entity which contracts to perform work generated by the expenditure of Section 3 covered assistance or for work in connection with Section3 covered project.

Employment opportunities generated by Section 3 covered assistance means all employment opportunities generated by the expenditure of Section 3 covered projects, including architectural, engineering, or related professional services required to prepare plans, drawings, specifications, or work write-ups; and jobs directly related to administrative support of these activities, e.g., construction manager, relocation specialist, payroll clerks, etc.

Housing and Community Development Assistance means any financial assistance made available through any grant, loan, loan guarantee, cooperative agreement, or contract.

Section 3: Estimated Work Force Breakdown

To be completed by Contractors during the bidding process:

1. Contractor name and Address: <i>NYNJ CONSTRUCTION GROUP 9788-GILKES RD 2ND SUITE 417 LAS VEGAS, NV 89183</i>		2. Dollar Amount of Contract <i>202,590</i>	3. Project Name <i>CDBG College PKY ADA IMPROVEMENTS</i>	
		4. Construction Manager <i>JOHN KOVACS</i>	5. Phone number: <i>732-262-7449</i>	
Employment & Training				
Job Category	Total Estimated Positions Needed for the Project	No. of Persons Occupied by Permanent Employees	Number of New Hires to be added to this Project	Number of New Hires that are Section 3 Residents or Low Income Persons
Professionals	<i>1</i>	<i>1</i>	<i>0</i>	<i>0</i>
Technicians	<i>0</i>			
Office/Clerical	<i>0</i>			
Construction by Trade (List)				
Trade	<i>LABORERS</i>	<i>3</i>	<i>0</i>	<i>0</i>
Trade	<i>TRUCK DRIVER</i>	<i>1</i>	<i>0</i>	<i>0</i>
Trade	<i>EQ OPER</i>	<i>1</i>	<i>0</i>	<i>0</i>
Trade				
Trade				
Apprenticeship	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>
Other (list)	<i>0</i>	<i>0</i>	<i>0</i>	<i>0</i>

The work to be performed under this contract is subject to the requirements of Section 3 of the Housing and Community Development Act of 1968.

Please estimate the number of positions needed for the project and the estimated work force breakdown necessary to complete the project.

List the number of new hires for each job category that will be employed on this project that are Section 3 residents or low to moderate income persons

The purpose of Section 3 is to ensure that employment and other economic opportunities generated by HUD assistance or HUD-assisted projects covered by Section 3, shall, to the greatest extent feasible, be directed to low-income or very low-income persons, particularly persons who are recipients of HUD assistance for housing. Nothing shall be construed to require the employment of a Section 3 resident who does not meet the qualifications of the position to be filled.

Dec-10

New hires mean full-time employees for permanent, temporary or seasonal employment opportunities.

Section 3 business concern means a business concern, as defined in this section—

- (1) that is 51 percent or more owned by Section 3 residents; or
- (2) Whose permanent, full-time employees include persons, at least 30 percent of whom are currently Section 3 residents, or within three years of the date of first employment with the business concern were Section 3 residents; or
- (3) That provides evidence of a commitment to subcontract in excess of 25 percent of the dollar award of all subcontracts to be awarded to business concerns that meet the qualifications set forth in paragraphs (1) or (2) in this definition of “Section 3 Business Concern.”

Section 3 Clause means the contract provisions set forth in 135.38.

Section 3 covered activity means any activity, which is funded by CDBG.

Section 3 covered contract means a contract or subcontract involving work generated by a recipient or contractor. Section 3 covered contracts do not include procurements activities which involve contracts only for the purchase of materials.

Section 3 resident is an individual who resides in the county, which the Section 3 covered assistance is expended, and who is:

- (1) a public housing resident; or
- (2) *a low-income person*, as defined in Section 3(b)(2) of the 1937 Act (42 U.S.C. 1437a(b)(2)), means families (including single person) whose income do not exceed 80 per centum of the median income for the area; or
- (3) *a very low-income person*, as defined in Section 3(b)(2) of the 1937 Act (42 U.S.C. 1437a(b)(2)), means families (including single person) whose income do not exceed 50 per centum of the median income for the area.

A person seeking preference for providing Section 3 training and employment bears the responsibility of providing evidence (if requested) that the person is eligible for the preference.

Service area means the geographical area in which the persons benefiting from the Section 3 covered project reside. The service area shall not extend beyond the unit of general local government in which Section 3 covered assistance is expected.

Subcontractor means any entity (other than a person who is an employee of the contractor) which has a contract to undertake a portion of the contractor's obligation for the performance of the work generated by expenditure of Section 3 covered assistance, or arising in connection with Section 3 covered projects.

IV. NUMERICAL GOALS FOR MEETING THE GREATEST EXTENT FEASIBLE REQUIREMENTS:

- A. *General:* Contractors may demonstrate compliance with the "greatest extent feasible" requirement of Section 3 by meeting the numerical goals set forth in the section for providing training, employment, and contracting opportunities to Section 3 residents and Section 3 business concerns.
- B. The numerical goals established in this section represent minimum numerical targets.
- C. *Training and employment:* The numerical goals set forth in this section apply to the aggregate of new hires. Efforts to employ Section 3 residents, to the greatest extent feasible, should be made at all levels.
- D. *Contracts:* Each contractor and subcontractor may demonstrate compliance with the requirements of this part by committing to award to Section 3 business concerns:
 - (1) At least 10 percent of the total dollar amount of all Section 3 covered contracts for building trades work for maintenance, repair, modernization or development of public construction; and
 - (2) At least three percent of the total dollar amount of all Section 3 covered contracts.
- E. *Safe harbor and compliance determinations:* (1) In absence of evidence to the contrary, a contractor that meets the minimum numerical goals set forth in this section will be considered to have complied with the Section 3 preference requirements. (2) A contractor also can indicate other economic opportunities, such as those listed in Section V.

IV. PROVIDING OTHER ECONOMIC OPPORTUNITIES

- A. *General:* In Accordance with the finding of Congress, as stated in Section 3, that other economic opportunities offer an effective means of empowering low-income persons, a recipient is encouraged to undertake efforts to provide to low-income persons economic opportunities other

than training, employment, and contact awards, in connection with Section 3 covered assistance.

- B. *Other training and employment related opportunities* include but need not to be limited to:
- (1) use of “upward mobility”, “bridge” and trainee positions to fill vacancies;
 - (2) hiring Section 3 residents in management and maintenance positions within other developments; and
 - (3) hiring Section 3 residents in part-time positions.
- C. *Other business related economic opportunities:* (1) A recipient or contractor may provide economic opportunities to establish, stabilize, or expand Section 3 business concerns, including microenterprises. Such opportunities include but are not limited to:
- (a) the formation of Section 3 joint ventures;
 - (b) financial support for affiliating with franchise development;
 - (c) Use of labor only contracts for building trades;
 - (d) Purchase of supplies and materials from housing authority resident-owned businesses;
 - (e) Purchase of materials and supplies from public housing authority resident-owned businesses and use the procedures under 24 Part 963 regarding Housing Authority contracts.

A contractor may employ these methods directly or may provide incentives to non Section 3 businesses to utilize such methods to provide other economic opportunities to low-income persons.

- D. *A Section 3 joint venture* means an association of business concerns, one of which qualifies as a Section 3 business concern, formed by written joint venture agreement to engage in and carry out a specified business venture for which purpose the business concerns combine their efforts, resources, and skills for joint profit, but not necessarily on a continuing or permanent basis for conducting business generally, and for which the Section 3 business concern.
- (1) Is responsible for a clearly defined portion of the work to be performed and holds management responsibilities in the joint venture; and
 - (2) performs at least 25 percent of the work and is contractually entitled to compensation proportionate to its work.



STAFF REPORT

Report To: The Carson City Regional Transportation Commission (RTC)

Meeting Date: June 12, 2019

Staff Contact: Dan Stucky, City Engineer

Agenda Title: For Possible Action – Discussion and possible action to determine that Sierra Nevada Construction, Inc., is the lowest responsive and responsible bidder pursuant to NRS Chapter 338 and awarding Contract No. 1819-224, Goni Road Reconstruction Project, to Sierra Nevada Construction, Inc., for a total not to exceed amount of \$432,307.70.

Staff Summary: The Goni Road Reconstruction Project includes but is not limited to, full depth reconstruction of Goni Road between Arrowhead Drive and Boeing Way. The construction contract is for the base bid amount of \$393,007.00, plus a 10% contingency amount of \$39,300.70 to be funded from the RTC Fund Construction Account. The engineer's base bid estimate for construction was \$625,000.00.

Agenda Action: Formal Action/Motion

Time Requested: 10 minutes

Proposed Motion

I move to award the contract as presented.

Background/Issues & Analysis

NOTICE TO CONTRACTORS was published in the Reno Gazette Journal on April 4, 2019. Two bids were opened at approximately 11:10 am on April 24, 2019, at 201 North Carson Street Suite 2, Carson City, NV 89701. Present during the bid opening were Brittney McVay, Sierra Nevada Construction, Inc.; Leslie Skinner, Spanish Springs Construction, Inc.; Jeff Freeman and Brian Elder, Carson City Public Works; and Carol Akers, Carson City Purchasing and Contracts Administrator.

	<u>Base Bid</u>
1. Sierra Nevada Construction, Inc.	\$393,007.00
2. Spanish Springs Construction, Inc.	\$573,444.00

Staff recommends award to Sierra Nevada Construction, Inc., as the lowest responsive and responsible bidder.

Applicable Statute, Code, Policy, Rule or Regulation

-NRS Chapter 338

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number: RTC fund, Construction account (for construction) / 250-3035-431.70-40 (Project# 031811).

Is it currently budgeted? Yes No

Explanation of Fiscal Impact: The fiscal year 2019 budget for project 031811 is \$580,000, which is sufficient to fund the proposed project contract of \$432,307.70.

Alternatives

-Do not approve the contract and provide alternative direction to staff.

Supporting Material

-Exhibit-1: Bid Tab

-Exhibit-2: Draft Contract No. 1819-224

Board Action Taken:

Motion: _____

1) _____	Aye/Nay
2) _____	_____

(Vote Recorded By)

Bid Tabulation Report from Carson City Purchasing & Contracts
775-283-7362

<http://www.carson.org/index.aspx?page=998>

Notice to Contractors Bid# 1819-224 Goni Rd Reconstruction Project

Date and Time of Opening: April 24, 2019 @ 11:10am

Description			Bidder # 1		Bidder # 2		
			SNC, Inc.		Spanish Springs Construction, Inc.		
BONDING Provided, \$, %, or no			Y		Y		
BIDDER acknowledges receipt addendums			Y		Y		
Description	Sched Value	Unit	Unit price	Total price	Unit price	Total price	
Base Bid Items - Schedule A							
1	Mobilization, Demobilization and Clean-Up	1	LS	\$14,194.50	\$14,194.50	\$19,482.00	\$19,482.00
2	Traffic Control	1	LS	\$20,000.00	\$20,000.00	\$85,000.00	\$85,000.00
3	Remove AC Pavement and Aggregate Base to 18" Below Finish Grade	45500	SF	\$1.50	\$68,250.00	\$3.25	\$147,875.00
4	Construct 6" AC Pavement, Type 2 PG64-28NV, on 12" Type 2 Aggregate Base	45500	SF	\$6.00	\$273,000.00	\$6.50	\$295,750.00
5	Adjust Water Valve Cans to Finish Grade	9	EA	\$900.00	\$8,100.00	\$1,100.00	\$9,900.00
6	Adjust Manholes to Finish Grade	4	EA	\$1,375.00	\$5,500.00	\$1,900.00	\$7,600.00
7	Pavement Striping:24" White Stop Bar and Cross Walk Markings	31	LF	\$5.00	\$155.00	\$10.00	\$310.00
8	Pavement Striping:4" White Bike Lane Skip Stripe	320	LF	\$1.00	\$320.00	\$2.00	\$640.00
9	Pavement Striping: 8" White Stripe	120	LF	\$1.00	\$120.00	\$2.10	\$252.00
10	Pavement Striping: 4" Double Yellow Stripe	1250	LF	\$0.75	\$937.50	\$1.50	\$1,875.00
11	Pavement Striping: 4" White Stripe	2260	LF	\$0.50	\$1,130.00	\$1.00	\$2,260.00
12	Pavement Markings: Bike Lane Symbol with Arrow	4	EA	\$250.00	\$1,000.00	\$475.00	\$1,900.00
13	Pavement Markings: Directional Arrows	3	EA	\$100.00	\$300.00	\$200.00	\$600.00
Total Bid Price (Schedule A)					\$393,007.00		\$573,444.00
Total Bid Price written in words? y/n			Y		Y		
Bidder Information provided? y/n			Y		Y		
Sub Contractors listed? y/n or none			Y		Y		
Bid Document executed? y/n			Y		Y		

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CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT**Contract No: 1819-224****Title: Goni Road Reconstruction Project**

THIS CONTRACT made and entered into this 12th day of June, 2019, by and between Carson City, a consolidated municipality, a political subdivision of the State of Nevada, hereinafter referred to as "**CITY**", and Sierra Nevada Construction, Inc., hereinafter referred to as "**CONTRACTOR**".

WITNESSETH:

WHEREAS, the Purchasing and Contracts Administrator for **CITY** is authorized pursuant to Nevada Revised Statutes (hereinafter referred to as "NRS") 338 and Carson City Purchasing Resolution #1990-R71, to approve and accept this Contract as set forth in and by the following provisions; and

WHEREAS, this Contract involves a "public work," which pursuant to NRS 338.010(17) means any project for the new construction, repair or reconstruction of an applicable project financed in whole or in part from public money; and

WHEREAS, CONTRACTOR'S compensation under this agreement (does___) (does not X) utilize in whole or in part money derived from one or more federal grant funding source(s); and

WHEREAS, it is deemed necessary that the services of **CONTRACTOR** for **CONTRACT No. 1819-224**, titled **Goni Road Reconstruction Project** (hereinafter referred to as "Contract") are both necessary and in the best interest of **CITY**; and

NOW, THEREFORE, in consideration of the aforesaid premises, and the following terms, conditions and other valuable consideration, the parties mutually agree as follows:

1. REQUIRED APPROVAL:

This Contract shall not become effective until and unless approved by the Carson City Regional Transportation Commission.

2. SCOPE OF WORK (Incorporated Contract Documents):

2.1 The parties agree that the Scope of Work will be specifically described and hereinafter referred to as the "WORK." This Contract incorporates the following attachments, and a **CONTRACTOR'S** attachment shall not contradict or supersede any **CITY** specifications and/or terms or conditions without written evidence of mutual assent to such change appearing in this Contract:

2.1.1 **CONTRACTOR** agrees that the Contract Documents for Bid No.1819-224 including, but not limited to, the Notice to Contractors, Table of Contents, Project Coordination, Instructions to Bidders, Contract Award Information, General Conditions, Special Conditions, Technical Specification, Prevailing Wages, Contract Drawings, and Addenda, if any, are intended to be complete and complementary and are intended to describe a complete WORK. These documents are incorporated herein by reference and made a part of this Contract. All of these documents can be reviewed in person at the Public Works Department 3505 Butti Way, Carson City, Nevada, 89701 or on the Carson City Website <http://ww.carson.org/bids>.

2.1.2 **CONTRACTOR** additionally agrees **CONTRACTOR'S** Bid Bond, Bid Proposal, Proposal Summary, Executed Contract, Performance Bond, Labor and Material Bond, Certificate of Eligibility, Insurance Certificates, Permits, Notice of Award, Notice to Proceed and Executed Change Orders, hereinafter all referred to as Exhibit A, are incorporated herein and made a part of this Contract.

For P&C Use Only	
CCBL expires	<u>12/31/19</u>
NVCL expires	<u>7/31/19</u>
GL expires	_____
AL expires	_____
WC expires	_____

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

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3. CONTRACT TERM AND LIQUIDATED DAMAGES:

3.1 **CONTRACTOR** agrees to complete the WORK on or before the date specified in the Notice to Proceed or any executed Change Orders to the entire satisfaction of **CITY** before final payment is made, unless sooner termination by either party as specified in **Section 6** (CONTRACT TERMINATION) and the General Conditions, Section GC 3.18.

3.2 Pursuant to the provisions under Time for Completion and Liquidated Damages in the Contract Documents of said Specifications, **CONTRACTOR** will complete the WORK within the Contract time. Since **CITY** and **CONTRACTOR** agree it is difficult to ascertain the actual amount of damages incurred due to delay of the Project, it is agreed that **CITY** will be paid the liquidated damages as specified in the Contract Special Conditions for each and every calendar day of delay in the completion of the WORK, in addition to any direct charges incurred by **CITY** as a result of delay of the Project, including engineering fees and additional damages due to late construction. **CITY** also reserves the right to deduct any amounts due **CITY** from any monies earned by **CONTRACTOR** under this Contract.

3.3 That in the performance of this Contract, **CONTRACTOR** and any subcontractors, as employers, shall pay 1 ½ times an employee's regular wage rate whenever an employee who received compensation for employment at a rate less than 1 ½ time the minimum wage who works more than forty (40) hours in any scheduled work week, more than eight (8) hours in a day, unless by mutual agreement the employee works a scheduled ten (10) hours per day for four (4) calendar days within a work week. Employers should refer to NRS 608.018, NRS 338.020 and A.O. 2013-04 for further details on overtime requirements.

4. NOTICE:

4.1 Except the bid and award process where notices may be limited to postings by **CITY** on its Bid Opportunities website (www.carson.org), all notices or other communications required or permitted to be given under this Contract shall be in writing and shall be deemed to have been duly given if delivered personally in hand, by e-mail, by regular mail, by telephonic facsimile with simultaneous regular mail, or by certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other party at the address specified below.

4.2 Notice to **CONTRACTOR** shall be addressed to:

Kevin L. Robertson, President
Sierra Nevada Construction, Inc.
P.O. Box 50760
Sparks, NV 89432
775-355-0420
email: bids@snc.biz

4.3 Notice to **CITY** shall be addressed to:

Carson City Purchasing and Contracts Department
Carol Akers
201 North Carson Street, Suite 2
Carson City, NV 89701
775-283-7124 / FAX 775-887-2286
CAkers@carson.org

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

5. COMPENSATION:

5.1 The parties agree that **CONTRACTOR** will provide the WORK specified in the Contract for the Contract Amount of Three Hundred Ninety Three Thousand Seven Dollars and 00/100 (\$393,007.00).

5.2 **CITY** will pay **CONTRACTOR** progress payments and the final payment computed from the actual quantities of WORK performed and accepted and the materials furnished at the Unit and Lump Sum prices shown on **CONTRACTOR'S** Bid Proposal and any executed Change Orders.

5.3 Contract Amount represents full and adequate compensation for the complete WORK, and includes the furnishing of all materials, all labor, equipment, tools, transportation, services, appliances, and all expenses, direct or indirect connected with the proper execution of the WORK.

5.4 **CITY** does not agree to reimburse **CONTRACTOR** for expenses unless otherwise specified.

6. CONTRACT TERMINATION:

6.1 Termination Without Cause:

6.1.1 Any discretionary or vested right of renewal notwithstanding, this Contract may be terminated upon written notice by mutual consent of both parties or unilaterally by either party without cause.

6.1.2 **CITY** reserves the right to terminate this Contract for convenience whenever it considers termination, in its sole and unfettered discretion, to be in the public interest. In the event that the Contract is terminated in this manner, payment will be made for WORK actually completed. If termination occurs under this provision, in no event shall **CONTRACTOR** be entitled to anticipated profits on items of WORK not performed as of the effective date of the termination or compensation for any other item, including but not limited to, unabsorbed overhead. **CONTRACTOR** shall require that all subcontracts which it enters related to this Contract likewise contain a termination for convenience clause which precludes the ability of any subcontractor to make claims against **CONTRACTOR** for damages due to breach of contract, lost profit on items of WORK not performed, or unabsorbed overhead, in the event of a convenience termination.

6.2 Termination for Nonappropriation:

6.2.1 All payments and WORK provided under this Contract are contingent upon the availability of the necessary public funding, which may include various internal and external sources. In the event that Carson City does not acquire and appropriate the funding necessary to perform in accordance with the terms of the Contract, the Contract shall automatically terminate upon **CITY'S** notice to **CONTRACTOR** of such nonappropriation, and no claim or cause of action may be based upon any such nonappropriation.

6.3 Cause Termination for Default or Breach:

6.3.1 A default or breach may be declared with or without termination.

6.3.2 This Contract may be terminated by either party upon written notice of default or breach to the other party as follows:

6.3.2.1 If **CONTRACTOR** fails to provide or satisfactorily perform any of the conditions, WORK, deliverables, goods, or any services called for by this Contract within the time requirements specified in this Contract or within any granted extension of those time requirements; or

6.3.2.2 If any state, county, city or federal license, authorization, waiver, permit,

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

qualification or certification required by statute, ordinance, law, or regulation to be held by **CONTRACTOR** to provide the goods or WORK or any services required by this Contract is for any reason denied, revoked, debarred, excluded, terminated, suspended, lapsed, or not renewed; or

6.3.2.3 If **CONTRACTOR** becomes insolvent, subject to receivership, or becomes voluntarily or involuntarily subject to the jurisdiction of the bankruptcy court; or

6.3.2.4 If **CITY** materially breaches any material duty under this Contract and any such breach impairs **CONTRACTOR'S** ability to perform; or

6.3.2.5 If it is found by **CITY** that any quid pro quo or gratuities in the form of money, services, entertainment, gifts, or otherwise were offered or given by **CONTRACTOR**, or any agent or representative of **CONTRACTOR**, to any officer or employee of **CITY** with a view toward securing a contract or securing favorable treatment with respect to awarding, extending, amending, or making any determination with respect to the performing of such contract; or

6.3.2.6 If it is found by **CITY** that **CONTRACTOR** has failed to disclose any material conflict of interest relative to the performance of this Contract.

6.3.2.7 **CITY** may terminate this Contract if **CONTRACTOR**:

6.3.2.7.1 Fails to maintain bonding, Nevada State Contractors' Board License, State Industrial Insurance requirements or insurance policies for limits as defined in this Contract; or

6.3.2.7.2 Persistently or materially refuses or fails to supply properly skilled workers or proper materials; or

6.3.2.7.3 Fails to make payment to subcontractors for materials or labor in accordance with the respective agreements between **CONTRACTOR** and the subcontractors; or

6.3.2.7.4 Disregards laws, ordinances, or rules, regulations or order of a public authority having jurisdiction; or

6.3.2.7.5 Otherwise makes a material breach of a provision of this Contract; or

6.3.2.7.6 **CONTRACTOR** fails to maintain safe working conditions.

6.3.3 When any of the Subsection 6.3.2.7.1 through 6.3.2.7.6, inclusive, cause reasons exist, and without prejudice to any other rights or remedies of **CITY**, **CITY** may terminate this Contract at any time after giving **CONTRACTOR** and **CONTRACTOR'S** Surety seven (7) calendar days written notice of default or breach and intent to terminate and **CONTRACTOR'S** subsequent failure to timely correct as provided below, and subject to any prior rights of the Surety, **CITY** may:

6.3.3.1 Take possession of the site and of all materials, equipment, tools and construction equipment and machinery thereon owned by **CONTRACTOR**;

6.3.3.2 Accept assignment of subcontractors pursuant to this Contract (Contingent Assignment of Subcontracts to Carson City if this Contract is terminated); and

6.3.3.3 Finish the WORK by whatever reasonable method **CITY** may deem expedient.

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

6.3.4 If **CITY** terminates this Contract for any of the cause reasons stated in **Section 6.3**:

6.3.4.1 **CONTRACTOR** shall not be entitled to receive further payment until the WORK is finished.

6.3.4.2 If the unpaid balance of the Contract Amount exceeds the cost of finishing the WORK including expenses made necessary thereby, such excess shall be paid to **CONTRACTOR**. If the costs of finishing the WORK exceed the unpaid balance, **CONTRACTOR** shall pay the difference to **CITY**. The amount to be paid to **CONTRACTOR** or **CITY**, as the case may be, shall survive termination of this Contract.

6.3.4.3 In the event of such cause termination, all monies due **CONTRACTOR** or retained under the terms of this Contract shall be held by **CITY**, however, such holdings will not release **CONTRACTOR** or its Sureties from liability for failure to fulfill this Contract. Any excess cost over and above the Contract Amount incurred by **CITY** arising from the termination of the operations of this Contract and the completion of the WORK by **CITY** as provided above shall be paid for by any available funds held by **CITY**. **CONTRACTOR** will be so credited with any surplus remaining after all just claims for such completion have been paid.

6.4 If at any time before completion of the WORK under this Contract, the WORK shall be stopped by an injunction of a court of competent jurisdiction or by order of any competent government authority, **CITY** may give immediate notice to **CONTRACTOR** to discontinue the WORK and terminate this Contract. **CONTRACTOR** shall discontinue the WORK in such manner, sequence, and at such times as **CITY** may direct. **CONTRACTOR** shall have no claim for damages for such discontinuance or termination, nor any claim for anticipated profits on the WORK thus dispensed with, nor for any claim for penalty, nor for any other claim such as unabsorbed overhead, except for the WORK actually performed up to the time of discontinuance, including any extra WORK ordered by **CITY** to be done.

6.5 Time to Correct (Declared Default or Breach):

6.5.1 Termination upon a declared default or breach may be exercised only after providing 7 (seven) calendar days written notice of default or breach, and the subsequent failure of the defaulting or breaching party, within five (5) calendar days of providing that default or breach notice, to provide evidence satisfactory to the aggrieved party demonstrating that the declared default or breach has been corrected. Time to correct shall run concurrently with any notice of default or breach and such time to correct is not subject to any stay with respect to the nonexistence of any Notice of Termination. Untimely correction shall not void the right to termination otherwise properly noticed unless waiver of the noticed default or breach is expressly provided in writing by the aggrieved party. There shall be no time to correct with respect to any notice of termination without cause, termination for nonappropriation or termination due to court injunction or order of a competent government authority.

6.6 Winding Up Affairs Upon Termination:

6.6.1 In the event of termination of this Contract for any reason, the parties agree that the provisions of this **Subsection 6.6** survive termination:

6.6.1.1 The parties shall account for and properly present to each other all claims for fees and expenses and pay those which are undisputed and otherwise not subject to set off under this Contract. Neither party may withhold performance of winding up provisions solely based on nonpayment of fees or expenses accrued up to the time of termination; and

6.6.1.2 **CONTRACTOR** shall satisfactorily complete WORK in progress at the agreed

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

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rate (or a pro rata basis if necessary) if so requested by **CITY**; and

6.6.1.3 **CONTRACTOR** shall execute any documents and take any actions necessary to effectuate an assignment of this Contract if so requested by **CITY**; and

6.6.1.4 **CONTRACTOR** shall preserve, protect, and promptly deliver into **CITY** possession all proprietary information in accordance with **Section 21**.

6.7 Notice of Termination:

6.7.1 Unless otherwise specified in this Contract, termination shall not be effective until seven (7) calendar days after a party has provided written notice of default or breach, or notice of without cause termination. Notice of Termination may be given at the time of notice of default or breach, or notice of without cause termination. Notice of Termination may be provided separately at any time after the running of the 7-day notice period, and such termination shall be effective on the date the Notice of Termination is provided to the party unless a specific effective date is otherwise set forth therein. Any delay in providing a Notice of Termination after the 7-day notice period has run without a timely correction by the defaulting or breaching party shall not constitute any waiver of the right to terminate under the existing notice(s).

7. DAVIS-BACON & RELATED ACTS 29 CFR PARTS 1,3,5,6,&7 AND NRS 338.070(5):

7.1 **CONTRACTOR** shall comply with Davis-Bacon Act and NRS 338.070(5). **CONTRACTOR** and each covered contractor or subcontractor must provide a weekly statement of wages paid to each of its employees engaged in covered WORK. The statement shall be executed by **CONTRACTOR** or subcontractor or by an authorized officer or employee of **CONTRACTOR** or subcontractor who supervised the payment of wages and shall be on the "Statement of Compliance" form. **CONTRACTOR** shall submit a Statement of Compliance that is prescribed by the Nevada Labor Commissioner or contains identical wording. Per NRS 338.070(6) the records maintained pursuant to subsection 5 must be open at all reasonable hours to the inspection of the public body (the **CITY'S** representative) awarding the contract. The **CONTRACTOR** engaged on the public work or subcontractor engaged on the public work shall ensure that a copy of each record for each calendar month is received by the public body awarding the contract (the **City**) **no later than 15 days after the end of the month**.

7.2 In the event federal funds are used for payment of all or part of this Contract, **CONTRACTOR** shall submit a Statement of Compliance form WH347 or a form with identical wording and a Statement of Compliance prescribed by the Nevada Labor Commissioner **within 7 days after the regular pay date for the pay period**. The original Statements shall be delivered to Carson City Public Works, 3505 Butti Way, Carson City, Nevada 89703, attention Davis-Bacon/Federal Funding Compliance.

7.3 CERTIFIED PAYROLLS FOR DAVIS-BACON AND PREVAILING WAGE PROJECTS:

7.3.1 The higher of the Federal or local prevailing wage rates for **CITY**, as established by the Nevada Labor Commission and the Davis-Bacon Act, shall be paid for all classifications of labor on this project WORK. Should a classification be missing from the Davis-Bacon rates the **CONTRACTOR** shall complete a request of authorization for additional classification or rate form SF1444 in its entirety and submit it to the **CITY** for approval and submission to the U.S. Department of Labor. Also, in accordance with NRS 338, the hourly and daily wage rates for the State and Davis-Bacon must be posted at the work site by **CONTRACTOR**. **CONTRACTOR** shall ensure that a copy of **CONTRACTOR'S** and subcontractor's certified payrolls for each calendar week are received by **CITY**.

7.3.2 Per NRS 338.070(5) a **CONTRACTOR** engaged on a public work and each subcontractor engaged on the public work shall keep or cause to be kept:

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(a) An accurate record showing, for each worker employed by the contractor or subcontractor in connection with the public work:

- (1) The name of the worker;
- (2) The occupation of the worker;
- (3) The gender of the worker, if the worker voluntarily agreed to specify that information pursuant to subsection 4, or an entry indicating that the worker declined to specify such information;
- (4) The ethnicity of the worker, if the worker voluntarily agreed to specify that information pursuant to subsection 4, or an entry indicating that the worker declined to specify such information;
- (5) If the worker has a driver's license or identification card, an indication of the state or other jurisdiction that issued the license or card; and
- (6) The actual per diem, wages and benefits paid to the worker; and

(b) An additional accurate record showing, for each worker employed by the contractor or subcontractor in connection with the public work who has a driver's license or identification card:

- (1) The name of the worker;
- (2) The driver's license number or identification card number of the worker; and
- (3) The state or other jurisdiction that issued the license or card.

7.3.3 The original payroll records shall be certified and shall be submitted weekly to Carson City Public Works, 3505 Butti Way, Carson City, Nevada 89703, attention Davis-Bacon/Federal Funding Compliance. Submission of such certified payrolls shall be a condition precedent for processing the monthly progress payment. **CONTRACTOR**, as General Contractor, shall collect the wage reports from the subcontractors and ensure the receipt of a certified copy of each weekly payroll for submission to **CITY** as one complete package.

7.3.4 Pursuant to NRS 338.060 and 338.070, **CONTRACTOR** hereby agrees to forfeit, as a penalty to **CITY**, not less than Twenty Dollars (\$20) nor more than Fifty Dollars (\$50) for each calendar day or portion thereof that each worker employed on the Contract is paid less than the designated rate for any WORK done under the Contract, by **CONTRACTOR** or any subcontractor under him/her, or is not reported to **CITY** as required by NRS 338.070.

8. FAIR EMPLOYMENT PRACTICES:

8.1 Pursuant to NRS 338.125, Fair Employment Practices, the following provisions must be included in any contract between **CONTRACTOR** and a public body such as **CITY**:

8.1.1 ***In connection with the performance of work under this Contract, CONTRACTOR agrees not to discriminate against any employee or applicant for employment because of race, creed, color, national origin, sex, sexual orientation, gender identity, or age, including, without limitation, with regard to employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including without limitation, apprenticeship.***

8.1.2 **CONTRACTOR** further agrees to insert this provision in all subcontracts hereunder, except subcontracts for standard commercial supplies or raw materials.

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8.2 If the CITY was required by NRS 332.039(1) to advertise or request a proposal for this Agreement, by signing this Agreement, the CONTRACTOR provides a written certification that the CONTRACTOR is not currently engaged in, and during the Term shall not engage in, a Boycott of Israel. The term "Boycott of Israel" has the meaning ascribed to that term in Section 3 of Nevada Senate Bill 26 (2017). The CONTRACTOR shall be responsible for fines, penalties, and payment of any State of Nevada or federal funds that may arise (including those that the CITY pays, becomes liable to pay, or becomes liable to repay) as a direct result of the CONTRACTOR's non-compliance with this Section.

9. PREFERENTIAL EMPLOYMENT:

9.1 Unless, and except if, this Contract is funded in whole or in part by federal grant funding (see 40 C.F.R. § 31.36(c) *Competition*), pursuant to NRS 338.130, in all cases where persons are employed in the construction of public works, preference must be given, the qualifications of the applicants being equal: (1) First: To persons who have been honorably discharged from the Army, Navy, Air Force, Marine Corps or Coast Guard of the United States, a reserve component thereof or the National Guard; and are citizens of the State of Nevada. (2) Second: To other citizens of the State of Nevada.

9.2 Unless, and except if, this Contract is funded in whole or in part by federal grant funding (see 40 CFR § 31.36(c) *Competition*), in connection with the performance of WORK under this Contract, **CONTRACTOR** agrees to comply with the provisions of NRS 338.130 requiring certain preferences to be given to which persons are employed in the construction of a public work. If **CONTRACTOR** fails to comply with the provisions of NRS 338.130, pursuant to the terms of NRS 338.130(3), this Contract is void, and any failure or refusal to comply with any of the provisions of this section renders this Contract void.

10. REMEDIES:

Except as otherwise provided for by law or this Contract, the rights and remedies of the parties shall not be exclusive and are in addition to any other rights and remedies provided by law or equity, including, without limitation, actual damages, and to a prevailing party reasonable attorney's fees and costs. The parties agree that, in the event a lawsuit is filed and a party is awarded attorney's fees by the court, for any reason, the amount of recoverable attorney's fees shall not exceed the rate of \$125 per hour. **CITY** may set off consideration against any unpaid obligation of **CONTRACTOR** to **CITY**.

11. LIMITED LIABILITY:

CITY will not waive and intends to assert available NRS Chapter 41 liability limitations in all cases. Contract liability of both parties shall not be subject to punitive damages. Liquidated damages shall not apply unless otherwise expressly provided for elsewhere in this Contract. Damages for any **CITY** breach shall never exceed the amount of funds appropriated for payment under this Contract, but not yet paid to **CONTRACTOR**, for the fiscal year budget in existence at the time of the breach. **CONTRACTOR'S** tort liability shall not be limited.

12. FORCE MAJEURE:

Neither party shall be deemed to be in violation of this Contract if it is prevented from performing any of its obligations hereunder due to strikes, failure of public transportation, civil or military authority, act of public enemy, accidents, fires, explosions, or acts of God, including, without limitation, earthquakes, floods, winds, or storms. In such an event the intervening cause must not be through the fault of the party asserting such an excuse, and the excused party is obligated to promptly perform in accordance with the terms of this Contract after the intervening cause ceases.

13. INDEMNIFICATION:

13.1 To the extent permitted by law, including, but not limited to, the provisions of NRS Chapter 41, each party shall indemnify, hold harmless and defend, not excluding the other's right to participate, the other party from and against all liability, claims, actions, damages, losses, and expenses, including but not limited to reasonable attorney's fees and costs, arising out of any alleged negligent or willful acts or omissions of the indemnifying party, its officers, employees and agents. Such obligation shall not be construed to negate, abridge, or otherwise reduce any other right or obligation of the indemnity which

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would otherwise exist as to any party or person described in this Section.

13.2 Except as otherwise provided in **Subsection 13.4** below, the indemnifying party shall not be obligated to provide a legal defense to the indemnified party, nor reimburse the indemnified party for the same, for any period occurring before the indemnified party provides written notice of the pending claim(s) or cause(s) of action to the indemnifying party, along with:

13.2.1 a written request for a legal defense for such pending claim(s) or cause(s) of action; and

13.2.2 a detailed explanation of the basis upon which the indemnified party believes that the claim or cause of action asserted against the indemnified party implicates the culpable conduct of the indemnifying party, its officers, employees, and/or agents.

13.3 After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall not be obligated to fund or reimburse any fees or costs provided by any additional counsel for the indemnified party, including counsel through which the indemnified party might voluntarily choose to participate in its defense of the same matter.

13.4 After the indemnifying party has begun to provide a legal defense for the indemnified party, the indemnifying party shall be obligated to reimburse the reasonable attorney's fees and costs incurred by the indemnified party during the initial thirty (30) day period of the claim or cause of action, if any, incurred by separate counsel.

14. **INDEPENDENT CONTRACTOR:**

14.1 **CONTRACTOR**, as an independent contractor, is a natural person, firm or corporation who agrees to perform WORK for a fixed price according to his or its own methods and without subjection to the supervision or control of the **CITY**, except as to the results of the WORK, and not as to the means by which the WORK are accomplished.

14.2 It is mutually agreed that **CONTRACTOR** is associated with **CITY** only for the purposes and to the extent specified in this Contract, and in respect to performance of the contracted WORK pursuant to this Contract. **CONTRACTOR** is and shall be an independent contractor and, subject only to the terms of this Contract, shall have the sole right to supervise, manage, operate, control, and direct performance of the details incident to its duties under this Contract.

14.3 Nothing contained in this Contract shall be deemed or construed to create a partnership or joint venture, to create relationships of an employer-employee or principal-agent, or to otherwise create any liability for **CITY** whatsoever with respect to the indebtedness, liabilities, and obligations of **CONTRACTOR** or any other party.

14.4 **CONTRACTOR**, in addition to **Section 13** (INDEMNIFICATION), shall indemnify and hold **CITY** harmless from, and defend **CITY** against, any and all losses, damages, claims, costs, penalties, liabilities, expenses arising out of or incurred in any way because of, but not limited to, **CONTRACTOR'S** obligations or legal duties regarding any taxes, fees, assessments, benefits, entitlements, notice of benefits, employee's eligibility to work, to any third party, subcontractor, employee, state, local or federal governmental entity.

14.5 Neither **CONTRACTOR** nor its employees, agents, or representatives shall be considered employees, agents, or representatives of **CITY**.

15. **INSURANCE REQUIREMENTS (GENERAL):**

15.1 **NOTICE: The following general insurance requirements shall apply unless these general requirements are altered by the specific requirements set forth in CITY'S solicitation for bid document, the adopted bid or other document incorporated into this Contract by the parties. These general insurance requirements do not include terms related to bond(s) required for this Contract, which are set forth in the CITY'S solicitation and below in this Contract following the execution pages.**

15.2 **CONTRACTOR**, as an independent contractor and not an employee of **CITY**, must carry policies of insurance in amounts specified and pay all taxes and fees incident hereunto. **CITY** shall have no liability except as specifically provided in this Contract.

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15.3 **CONTRACTOR** shall not commence work before: (1) **CONTRACTOR** has provided the required evidence of insurance to **CITY** Purchasing and Contracts, and (2) **CITY** has approved the insurance policies provided by **CONTRACTOR**.

15.4 Prior approval of the insurance policies by **CITY** shall be a condition precedent to any payment of consideration under this Contract and **CITY'S** approval of any changes to insurance coverage during the course of performance shall constitute an ongoing condition subsequent this Contract. Any failure of **CITY** to timely approve shall not constitute a waiver of the condition.

15.5 *Insurance Coverage (15.6 through 15.23):*

15.6 **CONTRACTOR** shall, at **CONTRACTOR'S** sole expense, procure, maintain and keep in force for the duration of this Contract the following insurance conforming to the minimum requirements specified below. Unless specifically specified herein or otherwise agreed to by **CITY**, the required insurance shall be in effect prior to the commencement of work by **CONTRACTOR** and shall continue in force as appropriate until the later of:

15.6.1 Final acceptance by **CITY** of the completion of this Contract; or

15.6.2 Such time as the insurance is no longer required by **CITY** under the terms of this Contract.

15.6.3 Any insurance or self-insurance available to **CITY** under its coverage(s) shall be in excess of and non-contributing with any insurance required from **CONTRACTOR**. **CONTRACTOR'S** insurance policies shall apply on a primary basis. Until such time as the insurance is no longer required by **CITY**, **CONTRACTOR** shall provide **CITY** with renewal or replacement evidence of insurance no less than thirty (30) calendar days before the expiration or replacement of the required insurance. If at any time during the period when insurance is required by this Contract, an insurer or surety shall fail to comply with the requirements of this Contract, as soon as **CONTRACTOR** has knowledge of any such failure, **CONTRACTOR** shall immediately notify **CITY** and immediately replace such insurance or bond with an insurer meeting the requirements.

15.7 *General Insurance Requirements (15.8 through 15.23):*

15.8 **Certificate Holder:** Each certificate shall list Carson City c/o Carson City Purchasing and Contracts, 201 N. Carson Street, Suite 2, Carson City, NV 89701 as a certificate holder.

15.9 **Additional Insured:** By endorsement to the general liability insurance policy evidenced by **CONTRACTOR**, The City and County of Carson City, Nevada, its officers, employees and immune contractors shall be named as additional insureds for all liability arising from this Contract.

15.10 **Waiver of Subrogation:** Each liability insurance policy, except for professional liability, shall provide for a waiver of subrogation in favor of the City.

15.11 **Cross-Liability:** All required liability policies shall provide cross-liability coverage as would be achieved under the standard ISO separation of insureds clause.

15.12 **Deductibles and Self-Insured Retentions:** Insurance maintained by **CONTRACTOR** shall apply on a first dollar basis without application of a deductible or self-insured retention unless otherwise specifically agreed to by **CITY**. Such approval shall not relieve **CONTRACTOR** from the obligation to pay any deductible or self-insured retention. Any deductible or self-insured retention shall not exceed \$5,000.00 per occurrence, unless otherwise approved by **CITY**.

15.13 **Policy Cancellation:** Except for ten (10) calendar days notice for non-payment of premium, **CONTRACTOR** or its insurers must provide thirty (30) calendar days prior written notice to Carson City Purchasing and Contracts if any policy will be canceled, non-renewed or if required coverage and /or limits reduced or materially altered, and shall provide that notices required by this paragraph shall be sent by mail to Carson City Purchasing and Contracts, 201 N. Carson Street, Suite 2, Carson City, NV 89701. When available, each insurance policy shall be endorsed to provide thirty (30) days' notice of cancellation, except for ten (10) days' notice for non-payment of premium, to City.

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15.14 **Approved Insurer:** Each insurance policy shall be issued by insurance companies authorized to do business in the State of Nevada or eligible surplus lines insurers under federal and Nevada law and having agents in Nevada upon whom service of process may be made, and currently rated by A.M. Best as "A-VII" or better.

15.15 **Evidence of Insurance:** Prior to commencement of work, **CONTRACTOR** must provide the following documents to Carson City Purchasing and Contracts, 201 North Carson Street, Suite 2, Carson City, NV 89701:

15.16 **Certificate of Insurance:** Contractor shall furnish City with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements set forth herein. The Acord 25 Certificate of Insurance form or a form substantially similar must be submitted to Carson City Purchasing and Contracts to evidence the insurance policies and coverages required of **CONTRACTOR**.

15.17 **Additional Insured Endorsement:** An Additional Insured Endorsement (CG20 10 or C20 26), signed by an authorized insurance company representative, must be submitted to Carson City Purchasing and Contracts to evidence the endorsement of **CITY** as an additional insured per **Subsection 15.9** (Additional Insured).

15.18 **Schedule of Underlying Insurance Policies:** If Umbrella or Excess policy is evidenced to comply with minimum limits, a copy of the Underlying Schedule from the Umbrella or Excess insurance policy may be required.

15.19 **Review and Approval:** Documents specified above must be submitted for review and approval by **CITY** Purchasing and Contracts prior to the commencement of work by **CONTRACTOR**. Neither approval by **CITY** nor failure to disapprove the insurance furnished by **CONTRACTOR** shall relieve **CONTRACTOR** of **CONTRACTOR'S** full responsibility to provide the insurance required by this Contract. Compliance with the insurance requirements of this Contract shall not limit the liability of **CONTRACTOR** or its sub-contractors, employees or agents to **CITY** or others, and shall be in addition to and not in lieu of any other remedy available to **CITY** under this Contract or otherwise. **CITY** reserves the right to request and review a copy of any required insurance policy or endorsement to assure compliance with these requirements.

15.20 **COMMERCIAL GENERAL LIABILITY INSURANCE:**

Contractor shall maintain commercial general liability (CGL) and, if necessary, commercial umbrella insurance with a limit of not less than \$1,000,000 each occurrence.

15.20.1 *Minimum Limits required:*

15.20.2 Two Million Dollars (\$2,000,000.00) - General Aggregate.

15.20.3 Two Million Dollars (\$2,000,000.00) - Products & Completed Operations. Aggregate

15.20.4 One Million Dollars (\$1,000,000.00) - Each Occurrence.

15.20.5 CGL insurance shall be written on ISO occurrence form CG 00 01 04 13 (or a substitute form providing equivalent coverage) and shall cover liability arising from premises, operations, products-completed operations, personal and advertising injury, and liability assumed under an insured contract [(including the tort liability of another assumed in a business contract)].

15.20.6 City and County of Carson City, Nevada, its officers, employees and immune contractors shall be included as an insured under the CGL, using ISO additional insured endorsement CG 20 10 or CG 20 26, or a substitute providing equivalent coverage, and under the commercial umbrella, if any.

15.20.7 This insurance shall apply as primary insurance with respect to any other insurance or self-insurance programs afforded to City. There shall be no endorsement or modification of the CGL to make it excess over other available

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insurance; alternatively, if the CGL states that it is excess or pro rata, the policy shall be endorsed to be primary with respect to the additional insured.

15.20.8 There shall be no endorsement or modification of the CGL limiting the scope of coverage for liability assumed under a contract.

15.20.9 Contractor waives all rights against City and its agents, officers, directors and employees for recovery of damages to the extent these damages are covered by the commercial general liability or commercial umbrella liability insurance maintained pursuant to this Contract. Insurer shall endorse CGL policy as required to waive subrogation against City with respect to any loss paid under the policy

15.21 BUSINESS AUTOMOBILE LIABILITY INSURANCE:

15.21.1 *Minimum Limit required:*

15.21.2 Contractor shall maintain automobile liability and, if necessary, commercial umbrella liability insurance with a limit of not less than \$1,000,000 each accident for bodily injury and property damage.

15.21.3 Such insurance shall cover liability arising out of owned, hired, and non-owned autos (as applicable). Coverage as required above shall be written on ISO form CA 00 01, CA 00 05, CA 00 25, or a substitute form providing equivalent liability coverage.

15.21.4 Contractor waives all rights against City and its agents, officers, directors and employees for recovery of damages to the extent these damages are covered by the automobile liability or other liability insurance obtained by Contractor pursuant this Contract.

15.22 PROFESSIONAL LIABILITY INSURANCE (Architects, Engineers and Land Surveyors)

15.22.1 *Minimum Limit required:*

15.22.2 CONTRACTOR shall maintain professional liability insurance applying to all activities performed under this Contract with limits not less than One Million Dollars (\$1,000,000.00) and Two Million Dollars (\$2,000,000) in the aggregate.

15.22.3 Retroactive date: Prior to commencement of the performance of this Contract.

15.22.4 CONTRACTOR will maintain professional liability insurance during the term of this Contract and for a period of three (3) years after termination of this Contract unless waived by the City. In the event of non-renewal or other lapse in coverage during the term of this Contract or the three (3) year period described above, CONTRACTOR shall purchase Extended Reporting Period coverage for claims arising out of CONTRACTOR's negligence acts, errors and omissions committed during the term of the Professional Liability Policy. The Extended Reporting Period shall continue through a minimum of three (3) years after termination date of this Contract.

15.22.5 A certified copy of this policy may be required.

15.23 WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY INSURANCE:

15.23.1 **CONTRACTOR** shall provide workers' compensation insurance as required by NRS Chapters 616A through 616D inclusive and Employer's Liability insurance with a minimum limit not less than \$1,000,000 each accident for bodily injury by accident or \$1,000,000 each employee for bodily injury by disease

15.23.2 **CONTRACTOR** may, in lieu of furnishing a certificate of an insurer, provide an affidavit indicating that **CONTRACTOR** is a sole proprietor; that **CONTRACTOR** will not use the services of any employees in the performance of this Contract; that **CONTRACTOR** has elected to not be included in the terms, conditions, and provisions of NRS Chapters 616A-616D, inclusive; and that

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CONTRACTOR is otherwise in compliance with the terms, conditions, and provisions of NRS Chapters 616A-616D, inclusive.

15.23.3 **CONTRACTOR** waives all rights against City and its agents, officers, directors, and employees for recovery of damages to the extent these damages are covered by the workers' compensation and employer's liability or commercial umbrella liability insurance obtained by Contractor pursuant to this Contract. Contractor shall obtain an endorsement equivalent to WC 00 03 13 to affect this waiver.

16. **BUSINESS LICENSE:**

16.1 **CONTRACTOR** shall not commence work before **CONTRACTOR** has provided a copy of his Carson City business license to Carson City Purchasing and Contracts.

16.2 The Carson City business license shall continue in force until the later of: (1) final acceptance by **CITY** of the completion of this Contract; or (2) such time as the Carson City business license is no longer required by **CITY** under the terms of this Contract.

17. **COMPLIANCE WITH LEGAL OBLIGATIONS:**

CONTRACTOR shall procure and maintain for the duration of this Contract any state, county, city, or federal license, authorization, waiver, permit, qualification or certification required by statute, ordinance, law, or regulation to be held by **CONTRACTOR** to provide the goods or WORK or any services of this Contract. **CONTRACTOR** will be responsible to pay all government obligations, including, but not limited to, all taxes, assessments, fees, fines, judgments, premiums, permits, and licenses required or imposed by law or a court. Real property and personal property taxes are the responsibility of **CONTRACTOR** in accordance with NRS Chapter 361 generally and NRS 361.157 and 361.159, specifically regarding for profit activity. **CONTRACTOR** agrees to be responsible for payment of any such government obligations not paid by its subcontractors during performance of this Contract. **CITY** may set-off against consideration due any delinquent government obligation.

18. **WAIVER OF BREACH:**

Failure to declare a breach or the actual waiver of any particular breach of this Contract or its material or nonmaterial terms by either party shall not operate as a waiver by such party of any of its rights or remedies as to any other breach.

19. **SEVERABILITY:**

If any provision contained in this Contract is held to be unenforceable by a court of law or equity, this Contract shall be construed as if such provision did not exist and the nonenforceability of such provision shall not be held to render any other provision or provisions of this Contract unenforceable.

20. **ASSIGNMENT / DELEGATION:**

To the extent that any assignment of any right under this Contract changes the duty of either party, increases the burden or risk involved, impairs the chances of obtaining the performance of this Contract, attempts to operate as a novation, or includes a waiver or abrogation of any defense to payment by **CITY**, such offending portion of the assignment shall be void, and shall be a breach of this Contract. **CONTRACTOR** shall neither assign, transfer nor delegate any rights, obligations or duties under this Contract without the prior written approval of **CITY**. The parties do not intend to benefit any third party beneficiary regarding their respective performance under this Contract.

21. **CITY OWNERSHIP OF PROPRIETARY INFORMATION:**

21.1 Any files, reports, histories, studies, tests, manuals, instructions, photographs, negatives, blue prints, plans, maps, data, system designs, computer programs, computer codes, and computer records (which are intended to be consideration under this Contract), or any other documents or drawings, prepared or in the course of preparation by **CONTRACTOR** (or its subcontractors) in performance of its obligations under this Contract shall be the exclusive property of **CITY** and all such materials shall be delivered into **CITY** possession by **CONTRACTOR** upon completion, termination, or cancellation of this Contract. **CONTRACTOR** shall not use, willingly allow, or cause to have such materials used for any

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purpose other than performance of **CONTRACTOR'S** obligations under this Contract without the prior written consent of **CITY**. Notwithstanding the foregoing, **CITY** shall have no proprietary interest in any materials licensed for use by **CITY** that are subject to patent, trademark or copyright protection.

21.2 **CITY** shall be permitted to retain copies, including reproducible copies, of **CONTRACTOR'S** drawings, specifications, and other documents for information and reference in connection with this Contract.

21.3 **CONTRACTOR'S** drawings, specifications and other documents shall not be used by **CITY** or others without expressed permission of **CONTRACTOR**.

22. PUBLIC RECORDS:

Pursuant to NRS 239.010, information or documents received from **CONTRACTOR** may be open to public inspection and copying. **CITY** will have the duty to disclose unless a particular record is made confidential by law or a common law balancing of interests. **CONTRACTOR** may clearly label specific parts of an individual document as a "trade secret" or "confidential" in accordance with NRS 332.061, provided that **CONTRACTOR** thereby agrees to indemnify and defend **CITY** for honoring such a designation. The failure to so label any document that is released by **CITY** shall constitute a complete waiver of any and all claims for damages caused by any release of the records.

23. CONFIDENTIALITY:

CONTRACTOR shall keep confidential all information, in whatever form, produced, prepared, observed or received by **CONTRACTOR** to the extent that such information is confidential by law or otherwise required by this Contract.

24. FEDERAL FUNDING:

24.1 *In the event federal grant funds are used for payment of all or part of this Contract:*

24.1.1 **CONTRACTOR** certifies, by signing this Contract, that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any federal department or agency. This certification is made pursuant to the regulations implementing Executive Order 12549, Debarment and Suspension, 28 C.F.R. pt. 67, § 67.510, as published as pt. VII of the May 26, 1988, Federal Register (pp. 19160-19211), and any relevant program-specific regulations. This provision shall be required of every subcontractor receiving any payment in whole or in part from federal funds.

24.1.2 **CONTRACTOR** and its subcontractors shall comply with all terms, conditions, and requirements of the Americans with Disabilities Act of 1990 (P.L. 101-136), 42 U.S.C. 12101, as amended, and regulations adopted thereunder contained in 28 C.F.R. 26.101-36.999, inclusive, and any relevant program-specific regulations.

24.1.3 **CONTRACTOR** and its subcontractors shall comply with the requirements of the Civil Rights Act of 1964, as amended, the Rehabilitation Act of 1973, P.L. 93-112, as amended, and any relevant program-specific regulations, and Executive Order 11478 (July 21, 2014) and shall not discriminate against any employee or offeror for employment because of race, national origin, creed, color, sex, sexual orientation, gender identity, religion, age, disability or handicap condition (including AIDS and AIDS-related conditions).

24.14.1 If and when applicable to the particular federal funding and the Scope of Work under this Contract, **CONTRACTOR** and its subcontractors shall comply with: American Iron and Steel (AIS) provisions of P.L. 113-76, Consolidated Appropriations Act, 2014, Section 1605 – Buy American (100% Domestic Content of iron, steel and manufactured goods); Federal Highway Administration (FHWA) 23 U.S.C. § 313 – Buy America, 23 C.F.R. §635.410 (100% Domestic Content of steel, iron and manufactured products); Federal Transit Administration (FTA) 49 U.S.C. § 5323(j), 49 C.F.R. Part 661 – Buy America Requirements (See 60% Domestic Content for buses and other Rolling Stock).

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

25. LOBBYING:

25.1 The parties agree, whether expressly prohibited by federal law, or otherwise, that no funding associated with this Contract will be used for any purpose associated with or related to lobbying or influencing or attempting to lobby or influence for any purpose the following:

25.1.1 Any federal, state, county or local agency, legislature, commission, council or board;

25.1.2 Any federal, state, county or local legislator, commission member, council member, board member, or other elected official; or

25.1.3 Any officer or employee of any federal, state, county or local agency; legislature, commission, council or board.

26. GENERAL WARRANTY:

CONTRACTOR warrants that it will perform all WORK required hereunder in accordance with the prevailing standard of care by exercising the skill and care normally required of individuals performing the same or similar WORK, under the same or similar circumstances, in the State of Nevada.

27. PROPER AUTHORITY:

The parties hereto represent and warrant that the person executing this Contract on behalf of each party has full power and authority to enter into this Contract. **CONTRACTOR** acknowledges that this Contract is effective only after approval by the Carson City Regional Transportation Commission and only for the period of time specified in this Contract. Any WORK performed by **CONTRACTOR** before this Contract is effective or after it ceases to be effective is performed at the sole risk of **CONTRACTOR**.

28. ALTERNATIVE DISPUTE RESOLUTION (Public Work):

If the WORK under this Contract involves a "public work" as defined under NRS 338.010(17), then pursuant to NRS 338.150, a public body charged with the drafting of specifications for a public work shall include in the specifications a clause requiring the use of a method of alternative dispute resolution ("ADR") before initiation of a judicial action if a dispute arising between the public body and the **CONTRACTOR** engaged on the public work cannot otherwise be settled. Therefore, unless ADR is otherwise provided for by the parties in any other incorporated attachment to this Contract, in the event that a dispute arising between **CITY** and **CONTRACTOR** regarding that public work cannot otherwise be settled, **CITY** and **CONTRACTOR** agree that, before judicial action may be initiated, **CITY** and **CONTRACTOR** will submit the dispute to non-binding mediation. **CITY** shall present **CONTRACTOR** with a list of three potential mediators. **CONTRACTOR** shall select one person to serve as the mediator from the list of potential mediators presented by **CITY**. The person selected as mediator shall determine the rules governing the mediation.

29. GOVERNING LAW / JURISDICTION:

This Contract and the rights and obligations of the parties hereto shall be governed by, and construed according to, the laws of the State of Nevada, without giving effect to any principle of conflict-of-law that would require the application of the law of any other jurisdiction. **CONTRACTOR** consents and agrees to the jurisdiction of the courts of the State of Nevada located in Carson City, Nevada for enforcement of this Contract.

30. ENTIRE CONTRACT AND MODIFICATION:

This Contract and its integrated attachment(s) constitute the entire Contract of the parties and such are intended as a complete and exclusive statement of the promises, representations, negotiations, discussions, and other Contracts that may have been made in connection with the subject matter hereof. Unless an integrated attachment to this Contract specifically displays a mutual intent to amend a particular part of this Contract, general conflicts in language between any such attachment and this Contract shall be construed consistent with the terms of this Contract. Unless otherwise expressly authorized by the terms of this Contract, no modification or amendment to this Contract shall be binding upon the parties unless the same is in writing and signed by the respective parties hereto and approved by the Carson City Regional Transportation Commission. Conflicts in language between this Contract and any other agreement between **CITY** and **CONTRACTOR** on this same matter shall be construed consistent with the terms of this Contract. The parties agree that each has had their respective counsel review this Contract which shall be construed as if it was jointly drafted.

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

31. ACKNOWLEDGMENT AND EXECUTION:

This Contract may be executed in counterparts. The parties hereto have caused this Contract to be signed and intend to be legally bound thereby as follows:

AND ALL SUPPLEMENTAL AGREEMENTS AMENDING OR EXTENDING THE WORK CONTEMPLATED.

ACKNOWLEDGMENT AND EXECUTION:

In witness whereof, the parties hereto have caused this Contract to be signed and intend to be legally bound thereby.

CITY

Chief Financial Officer
Attn: Carol Akers
Purchasing and Contracts Department
201 North Carson Street, Suite 2
Carson City, Nevada 89701
Telephone: 775-283-7124
Fax: 775-887-2286
CAkers@carson.org

CITY'S LEGAL COUNSEL

Carson City District Attorney

I have reviewed this Contract and approve as to its legal form.

By: _____
Sheri Russell, Chief Financial Officer

By: _____
Deputy District Attorney

Dated _____

Dated _____

CONTRACTOR will not be given authorization to begin work until this Contract has been signed by Purchasing and Contracts

BY: Carol Akers
Purchasing & Contracts Administrator

Contract# 1819-224
Project# 031811
Account #250-3035-431-70-40

By: _____

Dated _____

PROJECT CONTACT PERSON:

Brian Elder, Project Manager
Telephone: 775-283-7586

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

Undersigned deposes and says under penalty of perjury: That he/she is **CONTRACTOR** or authorized agent of **CONTRACTOR**; that he/she has read the foregoing Contract; and that he/she understands the terms, conditions and requirements thereof.

CONTRACTOR

BY: Kevin L. Robertson

TITLE: President

FIRM: Sierra Nevada Construction, Inc.

CARSON CITY BUSINESS LICENSE #: 19-00004425

NEVADA CONTRACTORS LICENSE #: 25565

Address: P.O. Box 50760

City: Sparks **State:** NV **Zip Code:** 89435

Telephone: 775-355-0420

E-mail Address: bids@snc.biz

(Signature of Contractor)

DATED _____

STATE OF _____)

)ss

County of _____)

Signed and sworn (or affirmed before me on this _____ day of _____, 20____.

(Signature of Notary)

(Notary Stamp)

CONSTRUCTION INDEPENDENT CONTRACTOR AGREEMENT

Contract No: 1819-224

Title: Goni Road Reconstruction Project

CONTRACT ACCEPTANCE AND EXECUTION:

The Regional Transportation Commission for Carson City, Nevada at their publicly noticed meeting of June 12, 2019, approved the acceptance of the attached Contract hereinbefore identified as **CONTRACT No. 1819-224** and titled Goni Road Reconstruction Project. Further, the Regional Transportation Commission authorizes the Chairperson to set his hand to this document and record his signature for the execution of this Contract in accordance with the action taken.

CARSON CITY, NEVADA

BRAD BONKOWSKI, CHAIRPERSON

DATED this 12th day of June, 2019

ATTEST:

AUBREY ROWLATT, CLERK-RECORDER

DATED this 12th day of June, 2019

PERFORMANCE BOND

Doc. No. 2151
(Rev. 11-17-99)

KNOW ALL MEN BY THESE PRESENTS, that I/we _____
_____ as Principal, hereinafter called CONTRACTOR,
and

_____ a corporation duly organized under the laws of _____, as Surety, hereinafter called the Surety, are held and firmly bound unto Carson City, Nevada a consolidated municipality of the State of Nevada, hereinafter called CITY, for the sum of \$ _____ (state sum in Words) _____ for the payment whereof CONTRACTOR and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CONTRACTOR has by written agreement dated _____, entered into a contract with CITY for **BID #1819-224** and titled **Goni Road Reconstruction Project** in accordance with drawings and specifications prepared by CITY and which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if CONTRACTOR shall promptly and faithfully perform said Contract then this obligation shall be null and void; otherwise it shall remain in full force and effect. The Surety hereby waives notice of any alteration or extension of time made by CITY and its obligation is not affected by any such alteration or extension provided the same is within the scope of the Contract. Whenever CONTRACTOR shall be, and is declared by CITY to be in default under the Contract, CITY having performed CITY'S obligations thereunder, the Surety may promptly remedy the default or shall promptly:

- 1) Complete the Contract in accordance with its terms and conditions; or
- 2) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by CITY and the Surety jointly of the lowest responsive, responsible bidder, arrange for a contract between such bidder and CITY, and make available as work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the Contract price, but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the Contract price", as used in this paragraph, shall mean the total amount payable by CITY to CONTRACTOR under the Contract and any amendments thereto, less the amount properly paid by CITY to CONTRACTOR. No right of action shall accrue on this bond to or for the use of any person or corporation other than CITY or successors of CITY.

PERFORMANCE BOND

Continued for **BID #1819-224** and titled **Goni Road Reconstruction Project**

BY:	(Signature of Principal) L.S.
TITLE:	
FIRM:	
Address:	
City, State, Zip:	
Phone:	

Printed Name of Principal: _____

Attest By: _____ **(Signature of Notary)**

Subscribed and Sworn before me this **day of** **,20__**

**CLAIMS UNDER THIS BOND
MAY BE ADDRESSED TO:**

Name of Surety:	
Address:	
City:	
State/Zip Code:	
Name:	
Title:	
Telephone:	
Surety's Acknowledgment:	
By:	

NOTICE:

No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service of process in the State of Nevada. Certified copy of Power of Attorney must be attached.

LABOR AND MATERIAL PAYMENT BOND

Doc. No. 2152
(Rev. 11-17-99)

KNOW ALL MEN BY THESE PRESENTS, that I/we _____
_____ as Principal, hereinafter called
CONTRACTOR, and _____ a
corporation duly organized under the laws of the State of Nevada, as Surety, hereinafter called the Surety, are
held and firmly bound unto Carson City, Nevada a consolidated municipality of the State of Nevada, hereinafter
called CITY, for the \$ _____ Dollars (state sum in words) _____
_____ for
the payment whereof CONTRACTOR and Surety bind themselves, their heirs, executors, administrators,
successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, CONTRACTOR has by written agreement dated _____ entered into a contract with
CITY for **BID 1819-224** and titled **Goni Road Reconstruction Project** in accordance with drawings and
specifications prepared by CITY and which contract is by reference made a part hereof, and is hereinafter
referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if
CONTRACTOR shall promptly make payment to all claimants as hereinafter defined, for all labor and material
used or reasonably required for use in the performance of the Contract, then this obligation shall be void;
otherwise it shall remain in full force and effect, subject, however, to the following conditions:

- 1) A claimant is defined as one having a direct contract with CONTRACTOR or with a Subcontractor of the Principal for labor, material, or both, used or reasonably required for use in the performance of the Contract, labor and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the Contract.
- 2) The above-named Principal and Surety hereby jointly and severally agree with CITY that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant, may sue on this bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. CITY shall not be liable for the payment of any costs or expenses of any such suit.
- 3) No suit or action shall be commenced hereunder by any claimant:
 - a) Unless claimant, other than one having a direct contract with CONTRACTOR, shall have given written notice to any two of the following: CONTRACTOR, CITY, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be personally served or served by mailing the same by registered mail or certified mail, postage prepaid, in an envelope addressed to the Principal at any place the Principal maintains an office or conducts its business.
 - b) After the expiration of one (1) year following the date on which the last of the labor was performed or material was supplied by the party bringing suit.
 - c) Other than in a court of competent jurisdiction for the county or district in which the construction Contract was to be performed.

LABOR AND MATERIAL PAYMENT BOND

Continued for **BID #1819-224** and titled **Goni Road Reconstruction Project**

- 4) The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics' liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.

BY:	(signature of Principal) L.S.
TITLE:	
FIRM:	
Address:	
City, State, Zip:	
Phone:	
Printed Name of Principal:	
Attest by:	(signature of notary)
Subscribed and Sworn before me this day of , 20____	

**CLAIMS UNDER THIS BOND
MAY BE ADDRESSED TO:**

Name of Surety:	
Address:	
City:	
State/Zip Code:	
Name:	
Title:	
Telephone:	
Surety's Acknowledgment:	
By:	

NOTICE:

No substitution or revision to this bond form will be accepted. Sureties must be authorized to do business in and have an agent for service of process in the State of Nevada. Certified copy of Power of Attorney must be attached.

BID PROPOSAL

CITY OF CARSON CITY, NEVADA – BID BOND

KNOW ALL MEN BY THESE PRESENTS: That we the undersigned Sierra Nevada Construction, Inc., as "Principal," and Liberty Mutual Insurance Company, as "Surety," are hereby held and firmly bound unto the City of Carson City, Nevada, as "Obligee," in the penal sum of Five Percent of Attached Bid dollars (\$ 5%) for the payment of which, well and truly to be made, the Principal and Surety bind themselves, their heirs, executors, and administrators, successors and assigns, jointly and severally, by this instrument. The condition of the obligation of this bid bond is as follows:

WHEREAS, NRS 332.105 authorizes local governments to require bid bonds to insure execution and proper performance of the Contract and the Bonding Company has an "A" or better rating with Moody's or A.M. Best and T-Listed with the U.S. Treasury Department;

AND, WHEREAS, the Principal has submitted a bid for Bid # 1819-224, PWP # CC-2019-203, for the Project Title: Goni Road Reconstruction Project.

NOW, THEREFORE,

- (a) If said Bid shall be rejected; or
- (b) If said Bid shall be accepted and the Principal shall execute and deliver the contract in the bid documents ("Contract") to Obligee in accordance with the terms of the bid documents, and give such bond or bonds as may be specified in the bid or contract documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or
- (c) If the Principal shall pay to the Obligee the full amount of the bid bond as a penalty irrespective of the Obligee's actual damages in the event of the failure of the Principal to enter into such Contract and give such bond or bonds.

then, this obligation shall be null and void. Otherwise it shall remain in full force and effect, it being expressly understood and agreed that the liability of the Surety (but not of the Principal) for any and all claims hereunder shall, in no event, exceed the penal amount of the obligation as herein stated.

The Surety, for the consideration for which this bond was executed, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Obligee may accept such bid, and hereby waives notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and the Surety has caused their seal to be hereto affixed and these present to be signed by their proper officers.

Signed, Sealed and dated: April 09, 2019

Sierra Nevada Construction, Inc.
 Principal _____
 By: [Signature]
Kevin L. Robertson, President
 Liberty Mutual Insurance Company
 Surety _____
 By: [Signature]
Andrea M. Cantlon, Attorney-In-Fact





This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

Certificate No: 8200430

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Andrea M. Cantlon, Cassandra Medina, Patricia Owens, Nicholas D. Rossi, Teri L. Wood

all of the city of Reno state of NV each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 30th day of January, 2019.



Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company
West American Insurance Company

By: David M. Carey, Assistant Secretary

State of PENNSYLVANIA ss
County of MONTGOMERY

On this 30th day of January, 2019 before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.



COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV - OFFICERS: Section 12. Power of Attorney.

Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII - Execution of Contracts: Section 5. Surety Bonds and Undertakings.

Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation - The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization - By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 9th day of April, 2019.



By: Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

BID PROPOSAL

BID # 1819-224

BID TITLE: "Goni Reconstruction Project – Boeing to Arrowhead"

NOTICE: No substitution or revision to this Bid Proposal form will be accepted. Carson City will reject any Bid that is received that has changes or alterations to this document. Although the Prevailing Wages are provided in this bid document, the bidder is responsible to verify with the Labor Commissioner if any addendums have been issued. The successful bidder will be required to provide the current Prevailing Wages used in preparation of their bid within 24 hours of bid submission.

PRICES will be valid for sixty (60) calendar days after the bid opening which is indicated in the Notice to Contractors.

A COPY OF CONTRACTOR'S "CERTIFICATE" of eligibility issued by the State of Nevada Contractors' Board as proof of Bidder's compliance with the provisions of N.R.S. 338.147 must be submitted with his/her bid for the preference to be considered. This Statute does not apply to projects expected to cost less than \$250,000.

COMPLETION of this project is expected **PURSUANT TO THE BID DOCUMENTS.**

BIDDER acknowledges receipt of 1 Addendums.

BP.1 SUMMARY

	Description	Scheduled Value	Unit	Unit Price	Total Price
Schedule A:					
1	Mobilization, Demobilization and Clean-Up	1	LS	14,194.50	14,194.50
2	Traffic Control	1	LS	20,000.00	20,000.00
3	Remove AC Pavement and Aggregate Base to 18" Below Finish Grade	45,500	SF	1.50	68,250.00
7	Construct 6" AC Pavement, Type 2 PG64-28NV, on 12" Type 2 Aggregate Base	45,500	SF	6.00	273,000.00
8	Adjust Water Valve Cans to Finish Grade	9	EA	900.00	8,100.00
9	Adjust Manholes to Finish Grade	4	EA	1,375.00	5,500.00
10	Pavement Striping: 24" White Stop Bar and Cross Walk Markings	31	LF	5.00	155.00
11	Pavement Striping: 4" White Bike Lane Skip Stripe	320	LF	1.00	320.00
12	Pavement Striping: 8" White Stripe	120	LF	1.00	120.00
13	Pavement Striping: 4" Double Yellow Stripe	1,250	LF	0.75	937.50
14	Pavement Striping: 4" White Stripe	2,260	LF	0.50	1,130.00
15	Pavement Markings: Bike Lane Symbol with Arrow	4	EA	250.00	1,000.00
16	Pavement Markings: Directional Arrows	3	EA	100.00	300.00
BP.2	Total Base Bid Price (Schedule A)			393,007.00	

BP.4 Total Base (Schedule A) Bid Price Written in Words:

Three hundred ninety three thousand seven dollars and zero cents

BID PROPOSAL

BP.5 BIDDER INFORMATION:

Company Name:	Sierra Nevada Construction, Inc.
Federal ID No.:	88-0245093
Mailing Address:	P.O. Box 50760
City, State, Zip Code:	Sparks, Nevada 89435
Complete Telephone Number:	775-355-0420
Complete Fax Number:	775-355-0535
Fax Number including area code:	775-355-0535
E-mail:	bids@snc.biz

Contact Person / Title:	Kevin L. Robertson/President
Mailing Address:	P.O. Box 50760
City, State, Zip Code:	Sparks, Nevada 89435
Complete Telephone Number:	775-355-0420
Complete Fax Number:	775-355-0535
E-mail Address:	bids@snc.biz

BP.6 LICENSING INFORMATION:

Nevada State Contractor's License Number:	25565
License Classification(s):	A, General Engineering
Limitation(s) of License:	Unlimited
Date Issued:	7/5/88
Date of Expiration:	7/31/19
Name of Licensee:	Sierra Nevada Construction, Inc.
Carson City Business License Number:	19-00004425
Date Issued:	12/28/18
Date of Expiration:	12/31/19
Name of Licensee:	Sierra Nevada Construction, Inc.

BID PROPOSAL

BP.7 DISCLOSURE OF PRINCIPALS:

Individual and/or Partnership:

Owner 1) Name:	
Address:	
City, State, Zip Code:	
Telephone Number:	
Owner 2) Name:	
Address:	
City, State, Zip Code:	
Telephone Number:	
Other 1) Title:	
Name	
Other 2) Title:	
Name:	

Corporation:

State in which Company is Incorporated:	Nevada
Date Incorporated:	3/2/88
Name of Corporation:	Sierra Nevada Construction, Inc.
Mailing Address	P.O. Box 50760
City, State, Zip Code:	Sparks, Nevada 89435
Telephone Number:	775-355-0420
President's Name:	Kevin L. Robertson
Vice-President's Name:	Craig D. Holt
Other 1) Name & Title:	Marc T. Markwell, Secretary/Treasurer

BID PROPOSAL

BP.8 MANAGEMENT AND SUPERVISORY PERSONNEL:

Persons and Positions see attached	Years With Firm
Name 1)	

Title 1)

Name 2)	
---------	--

Title 2)

Name 3)	
---------	--

Title 3)

Name 4)	
---------	--

Title 4)

Name 5)	
---------	--

Title 5)

Name 6)	
---------	--

Title 6)

(If additional space is needed, attach a separate page)

Sierra Nevada Construction, Inc.
 PO Box 50760
 Sparks, NV 89436
 775-365-0420

Name	Position	Date Started with this organization	Date started in construction	
Kevin L. Robertson	President	2001	1993	
Craig D. Holt	Vice President	2001	1994	
Marc Markwell	Secretary/Treasurer	2012	1999	
Dan LeBlanc	Vice President Project Management	2005	2004	
Fred Courier	Vice President Estimating	2005	1985	
Mark Gordine	Vice President Business Development	2005	1990	
Alex Faust	Vice President Pavement Preservation	2002	2000	

BID PROPOSAL

BP.9 REFERENCES:

Instructions:

List at least three (3) contracts of a similar nature performed by your firm in the last three (3) years. If **NONE**, use your Company's letterhead (and submit with your bid proposal) to list what your qualifications are for this contract. Carson City reserves the right to contact and verify, with any and all references listed, the quality of and the degree of satisfaction for such performance.

Clients: (if additional space is needed attach a separate page)

Company Name 1): see attached
Contract Person:
Mailing Address:
City, State, Zip Code:
Complete Telephone Number:
E-Mail Address:
Project Title:
Amount of Contract:
Scope of Work:
Company Name 2):
Contract Person:
Mailing Address:
City, State, Zip Code:
Complete Telephone Number:
E-Mail Address:
Project Title:
Amount of Contract:
Scope of Work:

BID PROPOSAL

Company Name 3): see attached
Contract Person:
Mailing Address:
City, State, Zip Code:
Complete Telephone Number:
E-Mail Address:
Project Title:
Amount of Contract
Scope of Work:
Company Name 4):
Contract Person:
Mailing Address:
City, State, Zip Code:
Complete Telephone Number:
E-Mail Address:
Project Title:
Amount of Contract:
Scope of Work:

SIERRA NEVADA CONSTRUCTION, INC. STATEMENT OF EXPERIENCE

Exhibit A

Agency	Job Name	Contract Amount	Type of Contract	Completion Date	Contact Person	Phone #	Address
City of Reno	2018 Preventative Maintenance	\$2,790,946.00	Micro/Slurry Seal/Asphalt Patching	10/01/18	Teri Martinetti	775-334-2148	P.O. Box 1900, Reno NV 89505
Truckee Meadows Water Authority	STMGID Arrowcreek BPS Main	\$2,439,007.00	Water Line Reconstruct	09/20/18	David Deigle	775-834-8293	1355 Capital Blvd., Reno, NV 89502
City of Reno	2017 Sewer Lift Station Replacement	\$3,843,007.00	Underground Utilities	07/16/18	Jon Simpson	775-689-2961	P.O. Box 1900, Reno NV 89505
Core Construction	Starbucks Distribution Center	\$7,958,567.00	Sitework	04/15/18	Don Frank	602-679-6460	5330 Reno Corporate Drive, Reno, NV 89511
Town of Truckee	Brockway Road Corridor & East River Street	\$2,687,007.00	Road Reconstruct	02/01/18	Jessica Thompson	530-582-2938	10183 Truckee Airport Road, Truckee, CA 96161
City of Reno	2017 Reno Surface Treatment Project	\$ 782,007.00	Microsurfacing/Asphalt Patching/Cape Seal	12/01/17	Kerrie Koski	775-830-3976	P.O. Box 1900, Reno NV 89505
Nevada Department of Transportation	NDOT #3685 SR 225 Elko	\$ 856,007.00	Chip Seal/Fog Seal	12/01/17	Regina Pierce	775-777-7768	1951 Idaho Street, Elko, NV 89801
Washoe County	2017/2018 Roadway & Parking Lot Repairs	\$ 3,155,007.00	Chip Seal/Microsurfacing/Cape Seal/Asphalt Paving	11/30/17	Greg Belancio	775-328-2041	1001 E. 9th Street, Reno, Nevada 89520
City of South Lake Tahoe	El Dorado Beach to Ski Run Bike Trail	\$ 2,352,675.00	Reconstruct	11/28/17	Stan Hill	530-542-6039	1052 Tata Lane, South Lake Tahoe, CA 96150
Washoe County	N. Valleys Phase V Sports Complex	\$ 2,330,007.00	Reconstruct	11/15/17	Brett Steinhardt	775-328-3600	1001 E. 9th Street, Reno, Nevada 89520
City of Santa Clarita	2016-17 Slurry Seal	\$ 1,496,000.00	Slurry Seal/Microsurfacing	11/07/17	Frank Lujan	661-294-2538	23920 Valencia Blvd., Santa Clarita, CA 91355
County of San Joaquin	Chip Seal 2016-2017	\$ 1,721,007.00	Chip Seal	10/01/17	Awni Taha	209-953-7619	1810 E. Hazelton Avenue, Stockton, CA 95205
Eureka County	Eureka County 2017 Streets Maintenance Project	\$ 2,336,418.20	Chip Seal/Slurry Seal	10/01/17	Loren Hunowill	775-623-2888	P.O. Box 714, Eureka, NV 89316
Santa Barbara County	2016-17 Countywide Preventive Maintenance Project	\$ 865,400.00	Cape Seal/Microsurfacing	09/30/17	Andrew Rose	805-739-8794	620 W. Foster Rd., Santa Maria, CA 93455
California Department of Transportation	Caltrans 02-4E4204 Hallelujah Junction	\$ 9,527,007.00	Reconstruct	09/20/17	John Yoltan	530-864-9033	1727 30th Street, Sacramento, CA 95816
Regional Transportation Commission	2016 Pavement Maintenance Project	\$ 5,137,007.00	Chip Seal/Microsurfacing/Crack Seal/Asphalt Paving	07/31/17	Doug Maloy	775-335-1865	1105 Terminal Way, Ste 108, Reno, NV 89502
Reno-Sparks Indian Colony	RSIC Sewer & Water Improvement	\$ 3,072,007.00	Underground Utilities	04/15/17	Craig Wesner	775-827-6111	34 Reservation Road, Reno, NV 89502
Washoe County	2016/2017 Slurry Seal of Selected Streets	\$3,936,404.00	Slurry Seal	10/31/16	Greg Belancio	775-328-2041	1001 E. 9th Street, Reno, NV 89520
Douglas County	Buckeye Road Reconstruct	\$1,544,007.00	Road Reconstruct	09/30/16	Jon Erb	775-782-6274	1120 Airport Rd, Building F-2, Minden, NV 89423
California Department of Transportation	Caltrans 02-1H0104 Quincy	\$2,206,007.00	Road Reconstruct	09/30/16	Ron Collins	530-605-5866	1727 30th Street, Sacramento, CA 95816
City of Portola	Portola Reconstruct A15	\$2,497,933.55	Road Reconstruct	09/29/16	Daniel Bastian	530-836-2644	P.O. Box 1225, Portola, CA 96122
Regional Transportation Commission	North McCarran at North Virginia Intersection	\$3,124,007.00	Road Reconstruct	09/16/16	Blaine Petersen	775-335-1871	P.O. Box 30002, Reno, NV 89520
Lander County	Battle Mountain 2016 Road Maintenance Project	\$3,087,816.00	Chip/Slurry	09/15/16	Burt Ramos	775-635-2728	50 State Route 305, Battle Mountain, NV 89820
Nevada Department of Transportation	NDOT #3603 Denio	\$2,527,366.00	Chip Seal	09/01/16	Dave Schwartz	775-623-8070	795 E. Fourth Street, Winnemucca, NV 89445
Tahoe Truckee Unified School District	2015 Track & Field Project	\$3,059,795.00	Track & Field Reconstruct	08/20/16	Rob Koster	530-582-2542	11063 Donner Pass Road, Truckee, CA 96161
Miles Construction	Fulcrum Sierra Feedstock Processing	\$1,149,304.00	Sitework	06/30/16	Jim Magrogan	775-246-3722	61 Industrial Parkway, Carson City, NV 89706
Carson City	Mountain Street Rehabilitation	\$1,869,007.00	Road Reconstruct	06/30/16	Rick Cooley	775-887-2355	201 N. Carson St. Ste 3, Carson City, NV 89701
Alston Construction	Wild Horse Offsites	\$1,986,478.00	Sitework	06/01/16	Brett Olsen	775-327-6275	980 Sandhill Rd., Suite 100, Reno, Nevada 89521
City of Reno	College Drive Sewer Project	\$2,693,360.00	Sewer Reconstruct	01/30/16	Khalil Wilson	775-334-2461	PO Box 1900, Reno, NV 89505
Carson City	East West Water Transmission Main Ph 2A-2	\$1,693,810.00	Water Line Reconstruct	01/21/16	Rick Cooley	775-887-2355	201 N. Carson St. Ste 3, Carson City, NV 89701
Washoe County	2015-2016 Slurry Seal	\$1,534,003.81	Asphalt Maintenance	10/15/15	Greg Belancio	775-328-2040	1001 E. 9th Street, Reno, NV 89520
United Construction	Logisticenter Building A	\$2,672,038.96	Sitework	09/28/15	Nick Christensen	775-870-3347	5300 Mill Street, Reno, NV 89502
Washoe County	Ventana Parkway	\$1,030,961.35	Road Reconstruct	08/31/15	Greg Belancio	775-328-2040	1001 E. 9th Street, Reno, NV 89520
City of Clovis	Clovis Rubberized Cape Seal	\$1,392,865.00	Cape Seal	08/30/15	Steve White	559-324-2060	1033 Fifth Street, Clovis, CA 93612
SMC Contracting Inc.	Edgewood Phase 3	\$5,926,264.66	Site Reconstruct	05/30/15	Joe Steward	775-324-1800	290 Gentry Way, Suite 1, Reno, NV 89502
Nevada Department of Transportation	NDOT #3571 Gardnerville	\$951,361.00	Highway Reconstruct	05/22/15	Stephen Lani	775-687-3367	1263 S. Stewart St, Carson City, NV 89712
City of Carson City	East West Water Transmission Main	\$2,103,233.00	Water Line Reconstruct	04/30/15	Jeff Sharp	775-887-2355	201 N. Carson Street Ste 3, Carson City, NV 89701
County of San Joaquin	Benjamin Holt Drive Improvements	\$1,705,053.00	Street Reconstruct	02/27/15	Jayna Rutz	209-468-3017	1810 E. Hazelton Ave., Stockton CA 95205
County of Sacramento	Sacramento Intl Airport Landside Roadway Rehab	\$1,076,118.00	Apron Paving & Reconstruction	02/04/15	Steve Cooke	916-591-0310	6650 Aviation Drive, Sacramento, CA 95873
Regional Transportation Commission	RTC Prater Way & El Rancho Drive Pavement Resurface	\$1,335,326.00	Street Reconstruct	01/31/15	Scott Gibson	775-335-1874	P.O. Box 30002, Reno, NV 89520
Regional Transportation Commission	RTC 2014 Corrective Maintenance Program	\$1,554,860.00	Corrective Maintenance	01/31/15	Scott Gibson	775-335-1874	P.O. Box 30002, Reno, NV 89520
Regional Transportation Commission	RTC 2014 Preventive Maintenance Slurry Seal	\$2,216,474.00	Slurry Seal	01/31/15	Scott Gibson	775-335-1874	P.O. Box 30002, Reno, NV 89520
City of Brentwood	Brentwood 2014 Pavement Management Program	\$534,746.00	Asphalt Maintenance	12/31/14	Anthony Salam	925-516-5420	150 City Park Way, Brentwood, CA 94513
Nevada Department of Transportation	NDOT 3569 - Pyramid Highway Chip	\$2,567,813.00	Chip Seal	12/31/14	Sam Lompa	775-888-3040	310 Galetti Way, Sparks, NV 89431
City of South Lake Tahoe	Harrison Avenue Streetscape	\$5,353,530.00	Street Reconst/Underground Utilities	12/31/14	Jim Merino	530-542-6027	1052 Tata Lane, South Lake Tahoe, CA 96150
City of Rocklin	Rocklin 2014 Resurfacing Project	\$2,208,709.00	Street Reconstruction	12/19/14	Miguel Chavez	916-625-5511	4081 Alvis Ct., Rocklin, NV 95677
City of Sparks	City of Sparks 2015 Street Rehab - Unit 1	\$605,833.00	Street Reconstruct	12/02/14	Brent Quilici	775-353-2273	431 Prater Way, Sparks NV 89431
Associa Sierra North	Arrowcreek 2014	\$1,616,752.00	Asphalt Maintenance	11/15/14	Jeanne Tarantino	775-626-7333	10509 Professional Circle, Suite 200 Reno NV 89521
Sacramento County	Sacramento International Airport Taxiway Delta 3	\$392,695.00	Apron Paving & Reconstruction	11/14/14	Steve Cooke	916-591-0310	6650 Aviation Drive, Sacramento, CA 95873
Washoe County	Washoe County 2014-15 Slurry Seal	\$1,558,641.00	Asphalt Maintenance	11/07/14	Greg Belancio	775-328-2040	1001 E. 9th Street, Reno NV 89520
Town of Truckee	Glenshire Drive Phase II	\$2,654,007.00	Street Reconst/Underground Utilities	11/01/14	Todd Landry	530-582-2904	10183 Truckee Airport Road, Truckee, CA 96161

SIERRA NEVADA CONSTRUCTION, INC. STATEMENT OF EXPERIENCE

Exhibit A

Northstar Community Services District	Martis Valley Trail Segment 1A Project	\$513,889.00	Trail Reconstruct	10/31/14	Eric Marlin	530-562-0747	908 Northstar Drive, Northstar, CA 96161
County of San Joaquin	San Joaquin Slurry Seal 2013	\$681,713.00	Asphalt Maintenance	10/23/14	Jayna Rutz	209-468-3018	1811 E. Hazelton Ave., Stockton CA 95205
SMC Contracting Inc.	Edgewood Phase 2	\$1,375,385.00	Site Reconstruct	10/15/14	Joe Steward	775-324-1800	290 Gentry Way, Suite 1, Reno, NV 89502
Reno Tahoe Airport Authority	Landside Pavement - Phase 7	\$400,710.00	Apron Paving & Reconstruction	10/15/14	Tony Curatolo	775-328-6400	P.O. Box 12490, Reno, NV 89510
Contra Costa County	Contra Costa 2014 Slurry Seal	\$407,239.00	Asphalt Maintenance	10/15/14	Public Works	925-313-2000	255 Glacier Drive, Martinez CA 94553
Lyon County	Lyon County 2014 Pavement Maintenance Project	\$1,021,540.00	Asphalt Maintenance	09/30/14	Kelly Garcia	775-827-6111	P.O. Box 1900, Reno, NV 89505
Elko County School District	Spring Creek Elementary ADA Retrofit	\$529,421.00	Parking Lot Reconstruct	09/30/14	Aaron Martinez	775-738-7271	442 Court Street, Elko NV 89801
Nevada Department of Transportation	NDOT Q2-004-14 Coldsprings Cattle Guards	\$136,123.00	Cattle Guard	09/30/14	Stephen Lani	775-687-3367	1263 S. Stewart St, Carson City, NV 89712
Lander County	Austin 2014 Road Maintenance	\$1,438,778.00	Asphalt Maintenance	09/30/14	Cody Black	775-329-5559	315 S. Humboldt Street, Battle Mountain, NV 89820
Washoe County School District	WCSD Pavement Maintenance 2014	\$721,007.00	Asphalt Maintenance	08/25/14	Gary Clark	775-348-0200	925 E. 9th Street, Reno, NV 89505
City of Elko	Elko Micro Slurry Project 2014	\$281,618.00	Asphalt Maintenance	08/12/14	Dennis Strickland	775-777-7241	1751 College Avenue, Elko, NV 89801
Nevada Department of Transportation	NDOT 3563 Chip Seal	\$2,288,324.00	Chip Seal	08/08/14	Randy Hastlee	775-289-1700	1401 E. Autumn Street, Ely NV 89301
Regional Transportation Commission	RTC Avenida de Landa Reconstruction Project	\$518,073.00	Street Reconstruct	07/31/14	Scott Gibson	775-335-1874	P.O. Box 30002, Reno NV 89520
City of Sparks	City of Sparks-4th Street CDBG Curb, Gutter & Ped	\$304,554.00	Street, Curb & Gutter Reconstruct	06/30/14	Brent Quilici	775-353-2273	431 Prater Way, Sparks NV 89431
Nevada Department of Transportation	NDOT #3544 District II Maintenance Yard	\$616,652.00	Waterline/Backflow Upgrade	04/14/14	Thor Dyson	775-687-3367	1263 S. Stewart St, Carson City, NV 89712
Lander County	2013 Road Maintenance Project	\$900,519.00	Asphalt Maintenance	01/31/14	Louis Lani	775-964-2676	P.O. Box 144, Austin, NV 89310
Truckee Tahoe Airport District	2013 Airfield Maintenance Program	\$1,830,928.00	Apron Paving & Reconstruction	11/30/13	Kevin Smith	530-587-4119	10356 Truckee Airport Road, Truckee, CA 96161
Eureka County	2013 Street Maintenance Program	\$3,289,708.00	Street Reconstruction	10/31/13	Ron Damele	775-237-5265	10 S. Main Street, Eureka, NV 89316
Town of Truckee	Glenshire Drive Bike Lane	\$2,286,007.00	Street Reconstruction	10/01/13	Todd Landry	530-582-2904	10183 Truckee Airport Road, Truckee, CA 96161
Lander County	Town of Austin Water Systems	\$3,527,007.00	Booster Pump Station	09/30/13	Louis Lani	775-964-2676	P.O. Box 144, Austin, NV 89310
California Department of Transportation	Caltrans 03-3F0304 I-80 Median	\$1,276,007.00	Dirtwork and Road Realignment	09/30/13	Hugo Topete	530-741-5504	1727 30th Street Sacramento, CA 95816
Regional Transportation Commission	Corrective Maintenance	\$1,373,007.00	Corrective Maintenance	09/30/13	Scott Gibson	775-348-0400	P.O. Box 30002, Reno, NV 89520
Regional Transportation Commission	Lakeside Drive Street Pres.	\$1,686,007.00	Pavement Preservation	09/10/13	Scott Gibson	775-348-0400	P.O. Box 30002, Reno, NV 89520
California Department of Transportation	Caltrans Asphalt Rubber Seal Coat	\$1,088,007.00	Asphalt Rubber Seal Coat	09/10/13	Hugo Topete	530-741-5504	1727 30th Street Sacramento, CA 95816
SMC Contracting Inc.	Sugar Bowl Academy	\$1,100,000.00	Sitework/Sewer	08/31/13	Joe Steward	775-324-1800	290 Gentry Way, Suite 1, Reno, NV 89502
Nevada Department of Transportation	NDOT #3513 SR 306 Beowawe	\$7,477,007.00	Asphalt Maintenance	08/31/13	Boyd Ratliff	775-777-2713	1263 S. Stewart St, Carson City, NV 89712
City of Rocklin	Granite Drive Reconstruct	\$1,785,007.00	Street Reconstruction Project	08/31/13	Miguel Chavez	916-625-5511	4081 Alvis Ct., Rocklin, CA 95677
Washoe County School District	Incline High School Track	\$542,007.00	Running Track Reconstruct	08/26/13	Tony McMillan	775-742-4908	925 E. 9th Street, Reno, NV 89505
City of Elko	2013 Microsurfacing Project	\$244,663.00	Microsurfacing	08/20/13	Dennis Strickland	775-777-7241	1751 College Avenue, Elko, NV 89801
Regional Transportation Commission	Sutro Street Rehab	\$1,376,007.00	Street Reconstruct/Underground Utiliti	08/20/13	Scott Gibson	775-335-1874	P.O. Box 30002, Reno, NV 89520
Gardnerville General Improvement District	2013 Street Rehab	\$677,007.00	Street Maintenance	08/20/13	Jeff James	775-265-9688	931 Mitch Drive, Gardnerville NV 89410
California Department of Transportation	Caltrans 03-4M5604 Glenn County	\$559,007.00	Pave and Microseal	08/15/13	Hugo Topete	530-741-5504	1727 30th Street Sacramento, CA 95816
Nye County	New Well Facility and Transmission Main	\$712,007.00	New Well Facility and Transmission Ma	07/30/13	David Fanning	775-482-8174	250 N. Hwy 160, Suite 2, Pahrump, NV 89060
Regional Transportation Commission	2013 Preventive Crack & Maint.	\$1,073,007.00	Preventive Maint., Crack and Patch	06/30/13	Scott Gibson	775-348-0400	P.O. Box 30002, Reno, NV 89520
Nevada Department of Transportation	NDOT #3465 Virginia City	\$8,096,061.00	Street Reconstruction	05/31/13	Larry Bope	775-688-1253	1263 S. Stewart St, Carson City, NV 89712
California Department of Transportation	Caltrans 03-1E0004 Squaw Valley	\$6,787,007.00	Road Reconstruct	11/30/12	Jaret Montplaisier	530-682-5837	1727 30th Street, Sacramento, CA 95816
City of South Lake Tahoe	2012 Road Rehabilitation	\$3,277,163.00	Street Reconstruction	10/31/12	Jim Merino	530-542-6027	1052 Tata Lane, South Lake Tahoe, CA 96150
California Department of Transportation	Caltrans 03-3M8304 I-80 Truckee	\$7,159,007.00	Road Reconstruction	10/19/12	Jaret Montplaisier	530-682-5837	1727 30th Street, Sacramento, CA 95816
Miles Construction	Eagle Valley Middle School - Miles Const.	\$941,482.00	Sitework	10/10/12	Stacy Reid	775-246-3722	61 Industrial Parkway, Carson City NV 89706
California Department of Transportation	Caltrans 02-3E9204 Rt 70 & 89 Overlay	\$2,696,007.00	Asphalt Overlay	08/31/12	Michael Hollrigel	530-283-2492	1727 30th Street, Sacramento, CA 95816
Regional Transportation Commission	RTC Reno Consolidated 11-02 Phase 1 (Brinkby)	\$1,737,007.00	Street Reconstruction	08/30/12	Michele Dennis	775-348-0171	1105 Terminal Way, Ste 108, Reno, NV 89502
Nevada Department of Transportation	NDOT Q2-006-12 Cattle Guards	\$167,007.00	Street Reconstruction/Cattleguard	07/31/12	Marlene Rivera	775-843-8390	1263 S. Stewart St, Carson City, NV 89712
City of Reno	City of Reno 2012 Street Rehab - Unit G	\$2,157,007.00	Street Reconstruction	07/30/12	Bob Schricker	775-827-6111	P.O. Box 1900, Reno, NV 89505
Regional Transportation Commission	RTC 2011 Corrective Maintenance	\$1,026,553.00	Asphalt Maintenance	03/14/12	Scott Gibson	775-335-1874	1105 Terminal Way, Ste 108, Reno, NV 89502
Nye County	Gabbs Airport Regrade Unpaved Runways 2011	\$129,007.00	Street Reconstruction	03/12/12	Jim Clague	775-828-1623	556 Double Eagle Blvd, Reno, NV 89521
Regional Transportation Commission	RTC Reno Consolidated 11-03 (Prosperity)	\$1,406,481.50	Street Reconstruction	01/07/12	Brenda Lee	775-348-0171	1105 Terminal Way, Ste 108, Reno, NV 89502
Eureka County	Crescent Valley Water Treatment Plant	\$1,548,007.00	Sitework/Piping	01/01/12	Ron Damele	775-237-5265	10 S. Main Street, Eureka, NV 89316
California Department of Transportation	Caltrans 09-338104 Bodie	\$3,586,007.00	Street Reconstruction	12/31/11	Kurt Weirermann	760-872-0781	1727 30th Street, Sacramento, CA 95816
Eureka County	Eureka Canyon US 50 Widening	\$1,659,007.00	Street Reconstruction	12/22/11	Ron Damele	775-237-5265	10 S. Main Street, Eureka, NV 89316
California Department of Transportation	Caltrans 03-3M9404 Truckee Rt. 267	\$957,007.00	Street Reconstruction	11/18/11	Ben Matye	530-550-9831	1727 - 30th Street, Sacramento, CA 95816
Nevada Department of Transportation	NDOT D2-011-11 Micro	\$958,007.00	Asphalt Maintenance	11/15/11	Boyd Ratcliff	775-777-2713	1263 S. Stewart St, Carson City, NV 89712
California Department of Transportation	Caltrans 03-4M1504 Sierraville Rt. 89	\$1,589,007.00	Street Reconstruction	11/10/11	Tim Crosby	530-587-5698	1727 30th Street, Sacramento, CA 95816
Regional Transportation Commission	Reno Consolidated 10-03 Lakeside	\$2,757,007.00	Street Reconstruction	10/01/11	Michele Dennis	775-348-0171	1105 Terminal Way Ste 108, Reno, NV 89502

SIERRA NEVADA CONSTRUCTION, INC. STATEMENT OF EXPERIENCE


Exhibit A

Lyon County	Lyon County RTC Chip Slurry	\$1,459,007.00	Chip Seal/Slurry Seal	09/30/11	Gary Freid	775-577-5011	3590 Graham Avenue, Silver Springs, NV 89429
California Department of Transportation	Caltrans 09-348204 Rte 89 Coleville	\$1,186,007.00	Street Reconstruction	09/20/11	Jaret Montplaisier	530-682-5837	1727 - 30th Street, Sacramento, CA 95816
City of South Lake Tahoe	South Lake Tahoe Airport Phase 3	\$880,561.00	Apron Paving & Reconstruction	08/31/11	Sherry Miller	530-542-6182	1901 Airport Rd., #100, South Lake Tahoe, CA 96150
City of Reno	City of Reno 2011 Unit 1	\$1,895,007.00	Street Reconstruction	06/01/11	Khalil Wilson	775-321-8354	P.O. Box 1900, Reno, NV 89505
Sundt Construction, Inc.	Mammoth Lakes Courthouse	\$1,276,275.00	Sitework	06/01/11	Steve Bonicatto	775-852-9802	9855 Double R Blvd Ste 100, Reno, NV 89521
Carson City Public Works	Prison Hill Water Tank	\$1,237,007.00	Sitework/Tank/Piping	06/01/11	Jeff Sharp	775-887-2355	201 N. Carson Street Ste 3, Carson City, NV 89701
South Tahoe Public Utility District	Luther Pass Pump Station	\$2,027,007.00	Sitework/Piping/Sewer	02/18/11	Ivo Bergsohn	530-544-6474	1275 Meadow Crest Dr, South Lake Tahoe, CA 96150
Eureka County	Main Street Water & Sewer Reconstruct	\$3,936,007.00	Water/Sewer/Road Reconstruction	12/01/10	Ron Damele	775-237-5265	10 S. Main Street, Eureka, NV 89316
Nevada Department of Transportation	NDOT #3285 I-80 Vista	\$8,593,007.00	Asphalt Grind and Pave	11/19/10	Mike Glock	775-829-8383	1263 S. Stewart St, Carson City, NV 89712
California Department of Transportation	Caltrans 02-390904 Johnstonville	\$1,179,007.00	Road Widening	10/31/10	Jerome Tuholski	530-822-4305	1727 30th Street, Sacramento, CA 95816
Lyon County	Afonso Drive Reconstruction	\$852,014.00	Street Reconstruction	10/01/10	Gary Freid	775-577-5011	3590 Graham Avenue, Silver Springs, NV 89429
Regional Transportation Commission	Reno Consolidated 10-02	\$1,658,007.00	Street Reconstruction	10/01/10	Warren Call	775-348-0171	1105 Terminal Way Ste 108, Reno, NV 89502
Regional Transportation Commission	Vassar Street	\$1,469,007.00	Street Reconstruction	09/30/10	Michele Dennis	775-348-0171	1105 Terminal Way Ste 108, Reno, NV 89502
Truckee Meadows Water Authority	West 7th Street Tank	\$892,007.00	Sitework/Tank/Piping	09/10/10	Jim Puccinelli	775-834-8000	1355 Capital Blvd., Reno, NV 89502
City of West Sacramento	West Capitol Avenue	\$6,424,101.00	Street Reconstruction	08/27/10	Toby Wong	916-617-4645	1110 W. Capitol Ave., West Sacramento, CA 95691
California Department of Transportation	Caltrans 09-342904 Lee Vining	\$2,027,007.00	Asphalt Overlay	08/15/10	Joe Blommer	760-648-7906	1727 30th Street, Sacramento, CA 95816
Regional Transportation Commission	S. Virginia/Kietzke Lane	\$1,349,507.00	Street Reconstruction	06/30/10	Michele Dennis	775-348-0171	1105 Terminal Way Ste 108, Reno, NV 89502
Eureka County	Street Maintenance 2009	\$1,248,007.00	Paving and Slurry Seal	06/01/10	Tom Young	775-237-5265	10 S. Main Street, Eureka, NV 89316
Eureka County	Eureka Water Tank	\$2,114,007.00	Sitework/Tank/Piping	12/31/09	Ron Damele	775-237-5265	10 S. Main Street, Eureka, NV 89316
City of Riverbank	Downtown Beautification Phase 2	\$4,634,265.00	Street Reconstruction	12/15/09	Laura Graybill	209-869-7128	6707 Third Street, Riverbank, CA 95367
City of Rancho Cordova	Pavement Rehabilitation Phase 2	\$1,772,007.00	Asphalt Grind and Pave	11/30/09	Andy Gust	916-869-6912	2729 Prospect Park Circle, Rancho Cordova, CA
Butte County Association of Governments	SR 99 Gridley	\$1,534,007.00	Freeway Reconstruction	11/15/09	Keith Flaherty	916-826-3943	2580 Sierra Sunrise Terrace Ste 100, Chico, CA
California Department of Transportation	Caltrans #09-336604 Sonora Junction	\$1,993,007.00	Asphalt Grind and Pave	11/01/09	Joe Blommer	760-872-0601	1727 - 30th Street, Sacramento, CA 95816
Regional Transportation Commission	Mill Street Reconstruction	\$1,587,867.00	Street Reconstruction	11/01/09	Brenda Lee	775-348-0171	1105 Terminal Way Ste 108, Reno, NV 89502
Nevada Department of Transportation	NDOT #3347 Pumpnickel	\$9,088,007.00	Asphalt Grind and Pave	10/15/09	Jim Killian	775-623-8070	1263 S. Stewart St, Carson City, NV 89712
California Department of Transportation	Caltrans #09-269014 Rock Creek Road	\$7,488,007.00	Freeway Reconstruction	10/01/09	Joe Blommer	760-872-0601	1727 - 30th Street, Sacramento, CA 95816
City of Fernley	Water Conveyance Infrastructure Project 9	\$1,383,007.00	Sitework/Tank/Piping	07/01/09	Lowell Patton	775-784-9910	595 Silver Lace Blvd., Fernley, NV 89408

BID PROPOSAL

BP. 10 CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
 - a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal, State or Local department or agency.
 - b) Have not within a three-year period preceding this bid been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or Local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
 - c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or Local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - d) Have not within a three-year period preceding this bid had one or more public transactions (Federal, State or Local) terminated for cause or default.
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this bid.



 Signature of Authorized Certifying Official
 Kevin L. Robertson

 Printed Name

President

 Title
 April 24, 2019

 Date

I am unable to certify to the above statement. My explanation is attached.

Signature

Date

BIDDER'S SAFETY INFORMATION

Bidder's Safety Factors:

Year	"E-Mod" Factor ¹	OSHA Incident Rate ²
2017	.68	1.14
2018	.62	2.84

¹ E-Mod (Experience Modification) Factors are issued by the Employer's Insurance Company of Nevada.

² OSHA Incident Rate is the number of OSHA Recordable Accidents per 100 employees and is calculated as the number of accidents divided by 208,000.

BID PROPOSAL

SUBCONTRACTORS

BP.11 INSTRUCTIONS: for Subcontractors and General Contractors who self-perform in amounts exceeding five (5) percent of bid amount. This information must be submitted with your bid proposal Per NRS 338.141 the prime contractor shall list itself on the subcontractor's list if it will be providing any of the work on the project. (This form must be complete in all respects. If, additional space is needed, attach a separate page).

Name of Subcontractor Sierra Nevada Construction, Inc.	Address P.O. Box 50760, Sparks, Nevada 89435	
Phone 775-355-0420	Nevada Contractor License # 25565	Limit of License Unlimited
Description of work Mobilization/demobilization (partial), traffic control, roadway removal (partial), aggregate base, paving, adjust utilities, swpp		
Name of Subcontractor NONE	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		

BID PROPOSAL

SUBCONTRACTORS

BP.12 INSTRUCTIONS: for Subcontractors exceeding one (1) percent of bid amount or \$50,000 whichever is greater. This information must be submitted by the three lowest bidders within two (2) hours after the completion of the opening of the bids. The bidder may elect to submit this information with the bid proposal and, in that case, the bidder will be considered as having submitted this information within the above two hours.

Name of Subcontractor Sierra Nevada Construction, Inc.	Address P.O. Box 50760, Sparks, Nevada 89435	
Phone 775-355-0420	Nevada Contractor License # 25565	Limit of License Unlimited
Description of work <i>mobilization/demobilization (partial), traffic control, roadway removal (partial), aggregate base, paving, adjust utilities, swpp</i>		
Name of Subcontractor NONE	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		

BID PROPOSAL

SUBCONTRACTORS

BP. 13 INSTRUCTIONS: for all Subcontractors not previously listed on the 5% and 1% pages. This information must be submitted by the three lowest bidders within twenty four (24) hours after the completion of the opening of the bids. The bidder may elect to submit this information with the bid proposal and, in that case, the bidder will be considered as having submitted this information within the above twenty four hours.

Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		
Name of Subcontractor	Address	
Phone	Nevada Contractor License #	Limit of License
Description of work		

BID PROPOSAL

BP. 14

CONTRACTOR'S MONTHLY REPORT OF PAYMENTS TO SUBCONTRACTORS					
The Contract Documents require each contractor to submit to Carson City a monthly report of payments to its subcontractors. This applies to all tiers of subcontracting. Monthly updates are to be submitted on this form and provided to the City's Construction Manager overseeing the contract.					
Business name and address of the contractor making payment:				CONTRACT NUMBER: _____	
	Date Invoiced by Subcontractor	Amount Invoiced by	Date Subcontractor was Paid	Amount Paid for Work or	Amount Paid for Supplies
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Subcontractor name: Total subcontract amount: \$					
Signature of authorized representative of the contractor		Title of person signing			Date Submitted
The contractor attests that the information provided is accurate.					

BID PROPOSAL

Local Preference Affidavit

(This form is required to receive a preference in bidding)

I, Kevin L. Robertson, on behalf of the Contractor, Sierra Nevada Construction, Inc. swear and affirm that in order to be in compliance with NRS 338.XXX* and be eligible to receive a preference in bidding on Project No. CC-2019-203, Project Name Goni Road Reconstruction Project, certify that the following requirement will be adhered to, documented and attained on completion of the contract. Upon submission of this affidavit on behalf of Sierra Nevada Construction, Inc., I recognize and accept that failure to comply with any requirements is a material breach of the contract and entitles the City to damages. In addition, the Contractor may lose their preference designation and/or lose their ability to bid on public works for one year, pursuant to NRS 338. XXX*:

1. The Contractor shall ensure that 50 percent of the workers employed on the job possess a Nevada driver's license or identification card;
2. The Contractor shall ensure all vehicles used primarily for the public work will be registered and (where applicable) partially apportioned to Nevada;
3. The Contractor shall ensure at least 50 percent of the design professionals who work on the project (including sub-contractors) have a Nevada driver's license or identification card.
4. The Contractor shall ensure payroll records related to this project are maintained and available within the State of Nevada.

***Note that specific sections of NRS 338 detailing the continued procedures associated with the use of the "bidder's preference" have been amended by the passage of Assembly Bill 172 effective 7/1/13, requiring this affidavit and subsequent record keeping and reporting by the General Contractor using the preference program and awarded this project. These requirements are not applicable to Contractors who do not use the "Bidder's Preference" eligibility certificate in their bid.**

By: Kevin L. Robertson Title: President

Signature: [Handwritten Signature] Date: April 24, 2019

Signed and sworn to (or affirmed) before me on this 24th day of April, 2019, by Kevin L. Robertson (name of person making statement).

State of Nevada)
)ss.

County of Washoe)

[Handwritten Signature] STAMP AND SEAL
Notary Signature





NEVADA STATE CONTRACTORS BOARD

5390 KIETZKE LANE, SUITE 102, RENO, NEVADA, 89511 (775) 688-1141 FAX (775) 688-1271, INVESTIGATIONS (775) 688-1150
2310 CORPORATE CIRCLE, SUITE 200, HENDERSON, NEVADA, 89074, (702) 486-1100 FAX (702) 486-1190, INVESTIGATIONS (702) 486-1110

CERTIFICATE OF ELIGIBILITY PER NRS 338.147 and NRS 338.1389

CERTIFICATE NUMBER: BPC-00-01-27-0032

SIERRA NEVADA CONSTRUCTION, INC. (HEREIN THE "GENERAL CONTRACTOR") NEVADA STATE CONTRACTORS' LICENSE NUMBER 25565 ORIGINAL ISSUE DATE: 07/05/1988 BUSINESS TYPE: CORPORATION CLASSIFICATION: A-GENERAL ENGINEERING MONETARY LICENSE LIMIT: UNLIMITED STATUS: ACTIVE, IS HEREBY ISSUED THIS CERTIFICATE BY THE NEVADA STATE CONTRACTORS' BOARD, BASED UPON THE INFORMATION CONTAINED IN THE STATEMENT OF COMPLIANCE WITH NEVADA REVISED STATUTES (NRS) 338.147 AND NRS 338.1389 AND THE AFFIDAVIT OF CERTIFIED PUBLIC ACCOUNTANT SUBMITTED TO THE NEVADA STATE CONTRACTORS BOARD AS PROOF OF CONTRACTOR'S COMPLIANCE WITH THE PROVISIONS OF NRS 338.147 AND NRS 338.1389, ATTACHED HERETO. IN ACCORDANCE WITH THE PROVISIONS OF NRS 338.147(3), THE ABOVE-NAMED GENERAL CONTRACTOR AND A CERTIFIED PUBLIC ACCOUNTANT HAVE SUBMITTED FULLY EXECUTED AND NOTARIZED SWORN AFFIDAVITS AS PROOF OF PREFERENTIAL BIDDER STATUS, UNDER PENALTY OF PERJURY, CERTIFYING THAT THE GENERAL CONTRACTOR IS QUALIFIED TO RECEIVE A PREFERENCE IN BIDDING AS SET FORTH IN NRS 338.147 AND NRS 338.1389 AND OTHER MATTERS RELATING THERETO.

THIS CERTIFICATE OF ELIGIBILITY IS ISSUED ON AUGUST 1, 2018 AND EXPIRES ON JULY 31, 2019 UNLESS SOONER REVOKED OR SUSPENDED BY THE NEVADA STATE CONTRACTORS BOARD.





NANCY MATHIAS, LICENSING ADMINISTRATOR DATE 7/5/2018
FOR MARGI GREIN, EXECUTIVE OFFICER

The Nevada State Contractors Board assumes no liability or responsibility for the accuracy or validity of the information contained in the Contractors Statement of Compliance with NRS 338.147 or the Affidavit of Certified Public Accountant as Proof of Contractors Compliance with the Provisions of NRS 338.147. The above-named General Contractor shall bear the responsibility to ascertain the accuracy and validity of the affidavits provided to support the issuance of this certificate.

BID PROPOSAL

BP.15 ACKNOWLEDGMENT AND EXECUTION:

STATE OF Nevada)
) SS
COUNTY OF Washoe)

I Kevin L. Robertson (Name of party signing this Bid Proposal), do depose and say: That I am the Bidder or authorized agent of the Bidder; and that I have read and agree to abide by this Bid which includes, but is not limited to the following documents: Notice to Contractors, Table of Contents, Project Coordination, Instructions to Bidders, Bid Bond, Proposal Summary, Contract Award Instructions and Information, Sample Contract, Sample Performance Bond, Sample Labor and Material Payment Bond, General Conditions, Special Conditions, Standard Specifications, Prevailing Wage Rates, Technical Specifications, Geotechnical Report (if any), Contract Drawings, Permits (if any), and any addenda issued and understands the terms, conditions, and requirements thereof; that if his/her bid is accepted that he/she agrees to furnish and deliver all materials except those specified to be furnished by the City (Owner) and to do and perform all work for the "Goni Reconstruction Project – Boeing to Arrowhead", contract number **1819-224**, together with incidental items necessary to complete the work to be constructed in accordance with the Contract Documents, Contract Drawings, and Specifications annexed hereto.

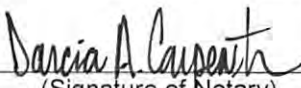
BIDDER:

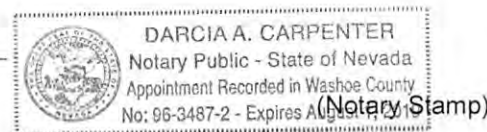
PRINTED NAME OF BIDDER: Kevin L. Robertson
TITLE: President
FIRM: Sierra Nevada Construction, Inc.
Address: P.O. Box 50760
City, State, Zip: Sparks, Nevada 89435
Telephone: 775-355-0420
Fax: 775-355-0535
E-mail Address: bids@snc.biz


(Signature of Bidder)

DATED: April 24, 2019

Signed and sworn (or affirmed) before me on this 24th day of April, 2019,
by Kevin L. Robertson


(Signature of Notary)



CARSON CITY PURCHASING AND CONTRACTS
201 North Carson Street, Suite 2
Carson City, NV 89701
775-283-7362/FAX 887-2286
NOTICE TO CONTRACTORS
BID #1819-224
Goni Road Reconstruction Project

April 22, 2019

Addendum 1:

The following questions were received. Please see the questions and answers below:

Question 1: When doing the roadway excavation are we allowed to have vehicles drive on subgrade & aggregate base? Since the road is narrow and two-way traffic at night will only work if we are allowed to have them drive on subgrade or new base.

Answer: Yes, contractors are allowed to let traffic drive on exposed base/subgrade. Contractors must water expose sections as necessary to keep dust to a minimum.

Question 2: Provided we are allowed to drive on aggregate base or subgrade, can all the asphalt be removed at one time?

Answer: Yes, contractors may remove all asphalt at one time.

Question 3: Are message boards required.

Answer: Traffic control plans must be submitted to the construction manager for approval. Message boards can be used along with other signage.

Question 4: Since we are not allowed to use vibratory rollers for either the new aggregate base or the asphalt paving because of the existing 24" ACP water line:

- How are we going to get required compaction? Static rollers w/ pneumatic will not work
- Can smaller vibratory rollers be used?
- If we cannot get specified compaction what will be the corrective action?
- Are we required to do 3 – 2" lifts for the asphalt paving?

Answer: Compaction requirements must be met. Proper sized equipment, lift thickness, moisture conditioning, along with adequate passes will result in meeting required compaction. No vibratory rollers may be used; as such additional rolling effort may be required. A testing firm will be contracted by the City to assure proper compaction is

reached. Contractors may do 3-2" lifts for asphalt paving if required to meet compaction, or 2-3" lifts will also be allowed.

Question 5: General conditions state a 4 – 10hr day (Monday thru Thursday) will overtime need to be paid for time over 8 hours a day? Can we work 5-10 hour days if we want?

Answer: Working hours will be limited to Mon-Thurs 7:00am-5:30pm as stated in the bid documents. Overtime, if required, will be the contractor's responsibility and will need to meet the requirements of the Nevada Labor Commissioner.

Question 6: Are dump fees waived for Carson City Landfill?

Answer: Yes, dump tickets will be provided for free dumping at the Carson City Landfill.

Question 7: Was a soils report or any asphalt cores completed for this project?

Answer: No soils report was done for this area.

Question 8: Will a prime coat be required on the aggregate base prior to asphalt paving?

Answer: No.



STAFF REPORT

Report To: The Carson City Regional Transportation Commission (RTC)

Meeting Date: June 12, 2019

Staff Contact: Lucia Maloney, Transportation Manager

Agenda Title: For Information Only – Informational presentation and discussion on traffic impacts and expectations resulting from the South Carson Street Complete Streets Project.

Staff Summary: Staff will present detailed traffic count information and findings from an independent Traffic Evaluation prepared for Carson City that assessed anticipated traffic impacts that may result from the South Carson Street Complete Streets Project. Design improvements resulting from the report will be presented.

Agenda Action: Other/Presentation

Time Requested: 30 minutes

Proposed Motion

-N/A

Background/Issues & Analysis

Carson City contracted with Headway Transportation (Headway) in December 2018 for professional services to review the 30% design plans for the South Carson Street Complete Streets Project and assist with identifying the necessary lane configuration improvements at intersections throughout the project corridor. The project consisted of conducting new data collection of peak-hour traffic volumes at 14 intersections. Subsequently, the consultant calculated levels of service for existing and 2040 (build-out) conditions that included traffic impacts expected from known development projects in the project's vicinity, including anticipated development in northern Douglas County. Headway developed detailed lane configuration recommendations that included the addition of right-turn pockets (deceleration lanes), additional turn pocket lengths, recommendations for speed limits, the configuration of the Stewart Street roundabout, and other operational recommendations for design elements contained within the 30% design plans. A summary of key findings are contained within the Executive Summary of Exhibit-1. Staff will present a summary of the report and discuss how key findings are being incorporated into the design of the project.

In addition to the evaluation conducted by Headway, staff has continued to monitor traffic volumes in the project vicinity as well as throughout Carson City. 2018 traffic volumes for South Carson Street and William Street are provided as Exhibit-2 and Exhibit-3, respectively. These traffic volumes are from the annual traffic reports published by the Nevada Department of Transportation (NDOT) Traffic Information Division in cooperation with the Federal Highway Administration (FHWA). These reports can also be found at: <https://www.nevadadot.com/doing-business/about-ndot/ndot-divisions/planning/traffic-information>.

The below information is also summarized in Exhibits 2 and 3 of this staff report.

South Carson Street

- Prior to 2001, South Carson Street had a 5-lane configuration, similar to the configuration proposed by the South Carson Complete Streets Project between Clearview Drive and Stewart Street. The traffic volumes in 2001 were reported at 43,500 annual average daily traffic (AADT), at the Koontz Lane station, nearly 78% greater than the volumes observed today. Additionally, the latest forecast for the 2040 scenario predicts 32,600 AADT at this station, nearly 25% less volume than what was observed in 2001.
- Prior to the freeway extension opening in 2017, South Carson Street traffic volumes were reported as 44,000 AADT at the Koontz Lane station
- The latest traffic volumes from 2018 were reported as 24,500 AADT, a 44% reduction in traffic
- The range of 2018 traffic volumes on South Carson Street between Koontz Lane and Stewart Street range from 24,500 AADT at Koontz Lane to 20,200 AADT at Stewart Street

William Street

- For general comparative purposes, South Carson Street is anticipated to function similar to William Street after the South Carson Street Complete Streets Project is constructed. William Street between Humbolt Lane and Carson Street is a 5-lane configuration similar to what South Carson Street will be between Clearview Drive and Stewart Street
- The range of 2018 traffic volumes on William Street between Humbolt Lane and Roop Street range from 25,500 AADT at Humbolt Lane to 18,200 AADT at Roop Street

Applicable Statute, Code, Policy, Rule or Regulation

-N/A

Financial Information

Is there a fiscal impact? Yes No

If yes, Fund Name, Account Name / Account Number:

Is it currently budgeted? Yes No

Explanation of Fiscal Impact:

Supporting Material

-Exhibit-1: Traffic Evaluation for S Carson Street, Headway Transportation

-Exhibit-2: 2018 NDOT Traffic Counts (TRINA), South Carson Street

-Exhibit-3: 2018 NDOT Traffic Counts (TRINA), William Street

TRAFFIC EVALUATION

FOR

SOUTH CARSON STREET

(Resurfacing & Complete Street Project)

May 6, 2019

PREPARED FOR:
Carson City Public Works

PREPARED BY:



EXECUTIVE SUMMARY

This Traffic Evaluation presents network management strategies and design recommendations to ensure the successful implementation and long-term operation of the S. Carson Street Resurfacing & Complete Street Project. The strategies and recommendations are based on 2040 traffic volume forecasts considering background growth and anticipated development projects in the vicinity. The analysis identifies existing and future Levels of Service for 14 study intersections along S. Carson Street between 5th Street and Appion Way to compare the existing traffic operations to the future traffic operations, including anticipated development, and identify the lane configurations and turn pocket lengths at those intersections (see **Figure 17**).

The key findings are:

- Proactively providing U-turn opportunities at major intersections throughout the corridor will reduce potential delays to drivers turning left from a side-street onto S. Carson Street during peak hours. This will allow drivers to make a right turn onto S. Carson Street and later make a U-turn movement if they do not want to wait for adequate left-turn gaps during peak hours. It is important to note that left-turns from side-streets onto major arterials are typically difficult during peak hours. This condition is commonly accepted on major arterial roadways like S. Carson Street, where signalization of low volume side-streets is not appropriate. Average delay considering all movements at side street stop-controlled intersections is very low due to the majority of traffic at these intersections traveling along the mainline and experiencing zero delay.
- Coordinating and optimizing traffic signals on the S. Carson Street corridor will be absolutely necessary to manage traffic and queuing and should be implemented with the Complete Street project changes.
- A roundabout at Stewart Street will require two westbound to southbound lanes within the roundabout to adequately accommodate the left turn volumes during the 2040 PM peak hour.
- The following five (5) modifications to Turn Pockets (**Table 6**) should be incorporated into the Complete Street design to proactively accommodate future traffic:
 - Right turn pockets are needed for northbound right-turns at 5th Street and Koontz Lane
 - Extend northbound right-turn pocket at Fairview Drive
 - Extend southbound left-turn pocket at Eagle Station Lane
 - Extend northbound left-turn pocket at Clearview Drive
- Based on this analysis, the City should anticipate the future need for a traffic signal at Appion Way to manage left turns both to and from Overland Street, Snyder Avenue, and Appion Way.
- The proposed speed limits on S. Carson Street (35 mph north of Clearview Drive and 25 mph north of Stewart Street) are appropriate starting points for new speed limits given the contextual change created by the Complete Streets project.



LIST OF FIGURES

1. Study Intersections
2. Existing Lane Configurations and Controls
3. Existing AM & PM Peak Hour Traffic Volumes
4. 2040 Baseline AM & PM Peak Hour Traffic Volumes
5. Anticipated Development Locations
6. Carson Hills Apartments Project Trips
7. Clearview Ridge Project Trips
8. Cochise Multi-Family Project Trips
9. RC Zoning Project Trips
10. Appion Commercial Center Project Trips
11. Fast Food Pad Project Trips
12. North Douglas Specific Plan Amendment Project Trips
13. Total Anticipated Development Trips
14. 2040 Cumulative AM & PM Peak Hour Traffic Volumes
15. 2040 Cumulative Daily Traffic
16. Context Zones
17. Proposed Lane Configurations & Controls

LIST OF TABLES

1. Level of Service Definition for Intersections
2. Existing Conditions Intersection Level of Service Results
3. Anticipated Development Land Use Quantities
4. Anticipated Development AM, PM, and Daily Trip Totals
5. 2040 Cumulative Level of Service Analysis Results
6. Turn Pocket Recommendations

LIST OF APPENDICES

- A. S. Carson Street 30% Plans
- B. Existing Conditions LOS Calculations
- C. 2040 Cumulative Conditions LOS Calculations
- D. Stewart Street Roundabout Level of Service Analysis



INTRODUCTION

The primary purpose of this study is to recommend lane configurations on S. Carson Street between 5th Street and Appion Way that will accommodate 2040 traffic volume forecasts. This evaluation identifies lane configurations, turn pocket lengths, and other design elements to best manage future traffic volumes on S. Carson Street with the planned Complete Street configuration.

Study Area and Evaluated Scenarios

The following intersections are included in this study as requested by Carson City staff (see **Figure 1**):

Study Intersections on South Carson Street

- 5th Street
- Main Mall Entrance
- Stewart Street
- Fairview Drive
- Colorado Street
- Rhodes Street
- Sonoma Street
- Moses Street
- Koontz Lane
- Main Raley's Entrance
- Eagle Station Lane
- Clearview Drive
- Overland/Snyder Ave
- Appion Way

It is important to note that the Raley's Entrance and Main Mall Entrance represent the busiest commercial driveways along the corridor. These driveways were included in the analysis to determine the appropriate length of driveway turn pockets throughout the corridor.

Study Scenarios

This study includes analysis of intersections during the weekday AM and PM peak hours as these are the periods of time in which peak traffic is understood to occur. The evaluated scenarios are:

- Existing Conditions – evaluates existing traffic volumes in the current roadway configuration
- 2040 Cumulative Conditions – evaluates 2040 traffic volumes with additional traffic generated by anticipated development in the S. Carson Street vicinity and with the Complete Street improvements



The 2040 Cumulative study scenario includes 21 years of background growth at 0.5% per year and the inclusion of anticipated development affecting S. Carson Street but not yet captured in the Travel Demand Model (Carson Hills Apartments, North Douglas County Specific Plan, RC Zoning, Clearview Ridge, Appion Commercial Center, Fast Food Pad on Appion Way, and Cochise Multi-Family properties). The evaluated lane configurations are as shown in the S. Carson Street 30% plans (**Appendix A**).

ANALYSIS METHODOLOGY

Level of service (LOS) is a term commonly used by transportation practitioners to measure and describe the operational characteristics of intersections, roadway segments, and other facilities. This term equates seconds of delay per vehicle at intersections to letter grades “A” through “F” with “A” representing optimum conditions and “F” representing breakdown or over capacity flows.

Intersections

The complete methodology for intersection level of service analysis is established in the *Highway Capacity Manual (HCM) 2010*, published by the Transportation Research Board (TRB). **Table 1** presents the delay thresholds for each level of service grade at signalized and unsignalized intersections.

Table 1. Level of Service Definition for Intersections

Level of Service	Brief Description	Average Delay (seconds per vehicle)	
		Signalized Intersections	Unsignalized Intersections
A	Free flow conditions.	< 10	< 10
B	Stable conditions with some affect from other vehicles.	10 to 20	10 to 15
C	Stable conditions with significant affect from other vehicles.	20 to 35	15 to 25
D	High density traffic conditions still with stable flow.	35 to 55	25 to 35
E	At or near capacity flows.	55 to 80	35 to 50
F	Over capacity conditions.	> 80	> 50

Source: Highway Capacity Manual (2010), Chapters 18 and 19

Level of service calculations were performed for the signalized and stop controlled study intersections using the Synchro software package with analysis and results reported in accordance with the current *HCM 2010* methodology. The proposed roundabout at Stewart Street was analyzed using the SIDRA software package (utilizes HCM 2010) and the Fairview Drive intersection was analyzed using HCM 2000 methodology due to limitations of the 2010 methodology in evaluating shared & exclusive lanes.



Level of Service Policy

Carson City Municipal Code states that “A traffic LOS D or better...shall be maintained through mitigation of impacts from all conditions on all city maintained arterial, and collector roads and at city road intersections, except as noted in the Carson City master plan.”^a

Therefore, LOS D or better is deemed an acceptable operating condition. The LOS policy is not specific regarding side streets or minor movements. It is understood that minor movements and side street approaches on major arterials will commonly operate at LOS E or F during peak hours. This is a commonly accepted and manageable condition because it is not appropriate to signalize every minor street intersecting major arterials. It is expected that drivers will make indirect left turns during peak hour conditions.

EXISTING CONDITIONS

Roadway Facility

South Carson Street is a north-south major arterial roadway connecting Carson City with Minden/Gardnerville. This roadway is a vital connection for area businesses and is designated as the Business Route of US 395 through Carson City. South Carson Street between Fairview Drive and US 50 recently served as the main highway until the Carson Freeway (I-580) was completed in 2017. Following the completion of I-580, traffic volumes on S. Carson Street have decreased significantly and the roadway is a prime candidate for a Complete Streets redesign. Currently, S. Carson Street is a four-lane facility with 25-mph speed limit from 5th Street to 10th Street, a four-lane facility with a 35-mph speed limit from 10th to Stewart, and a six-lane facility with a 35-50 mph speed limits from Stewart Street to US 50. Current speed limits range from 35-mph between Stewart Street and Colorado Street, 45-mph between Colorado Street and Clearview Drive, and 50-mph from Clearview Drive to US 50. The current lane configurations and intersection controls at the study intersections on S. Carson Street are shown on **Figure 2**.

Existing Intersection Level of Service

Existing conditions intersection level of service analysis was performed using Synchro analysis software, and new vehicle/bicycle/pedestrian turning movement counts conducted between November 2018 and January 2019. The traffic volumes collected during this period were inflated by 5% to adjust for seasonality. The existing peak hour factors and heavy vehicle percentages from those recent traffic counts were used in the analysis. The existing peak hour traffic volumes are shown on **Figure 3**.

^a Carson City Municipal Code 12.13.3.3.5.a accessed on August 27, 2018 at library.municode.com/nv/carson_city/codes



Current signal timing information was obtained from Carson City. We utilized the current cycle lengths and simple coordination signal timings to provide a direct comparison between current and future traffic operations (coordination along S. Carson Street is needed to achieve higher level of service for the future conditions). Additionally, conducting the analysis in this way enables evaluation of the worst-case scenario for side-streets and minor movements such that pocket lengths are appropriately sized for a wide range of future signal timing schemes. **Table 2** summarizes the existing conditions intersection level of service (for signalized intersections) and overall intersection delay results. The technical calculations and average delay for each side street movement are provided in **Appendix A**.

Table 2. Existing Conditions Intersection Level of Service Results

Existing Conditions - S. Carson Street						
ID	Intersection Name	Intersection Control	AM Peak		PM Peak	
			LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)
1	S. Carson & 5th Street	Signalized	B	13.8	B	16.4
2	S. Carson & Mall Entrance	Side Street STOP		0.4		0.4
3	S. Carson & Stewart Street	Signalized	B	10.4	B	19.8
4	S. Carson & Fairview Drive	Signalized	C	26.2	C	31.2
5	S. Carson & Colorado Street	Side Street STOP		1.6		1.4
6	S. Carson & Rhodes Street	Side Street STOP		2.0		3.9
7	S. Carson & Sonoma Street	Side Street STOP		1.6		1.4
8	S. Carson & Moses Street	Side Street STOP		0.3		0.8
9	S. Carson & Koontz Lane	Signalized	D	36.1	C	29.6
10	S. Carson & Raleys Entrance	Side Street STOP		0.1		0.2
11	S. Carson & Eagle Station Lane	Signalized	B	19.4	B	14.2
12	S. Carson & Clearview Drive	Signalized	C	32.1	C	33.5
13	S. Carson & Overland/Snyder Ave	Side Street STOP		1.4		2.2
14	S. Carson & Appion Way	Side Street STOP		1.5		3.7

Source: Headway Transportation, 2019

The signalized intersections all currently function within policy level of service. Each side street has relatively low volumes and reasonable delay considering the S. Carson Street context as a major arterial. Average delay considering all movements at side street stop-controlled intersections is very low due to the majority of traffic at these intersections traveling along the mainline and experiencing zero delay.



FUTURE CONDITIONS

This section describes the underlying traffic forecasting assumptions used to develop future traffic volumes for the corridor and describes the planned roadway and intersection configurations following the programmed complete street improvements.

2040 Baseline Traffic Volumes

The 2040 Baseline (20-year horizon) traffic volume forecasts (see **Figure 4**) were developed by factoring up the seasonally adjusted existing volumes by 0.5 percent per year for 21 years for a total growth factor of 10.5 percent. This background growth rate is consistent with the traffic volume growth on South Carson Street as shown in the Carson Area Metropolitan Planning Organization (CAMPO) travel demand model.

Anticipated Development Traffic Volumes

Anticipated Projects

The 2040 Baseline traffic volume forecasts described above do not fully account for future traffic volumes that would be generated by several anticipated private development projects in the vicinity of the S. Carson Street corridor (all projects located between Koontz Lane and Appion Way except North Douglas County Specific Plan Amendment). Carson City staff and the consulting team identified the following projects for inclusion in this evaluation:

- Carson Hills Apartments
- Clearview Ridge
- Cochise Street Multi-Family
- RC Zoning
- Appion Commercial Center
- Fast Food Pad on Appion Way
- North Douglas County Specific Plan Amendment

The development locations are shown on **Figure 5**.



Trip Generation

Trip generation rates for the anticipated developments were obtained from previously prepared traffic impact studies for the specific projects, as available, or the Institute of Transportation Engineers' (ITE) *Trip Generation Manual, 10th Edition*^b. **Table 3** provides the land use mix and quantities used in this analysis to generate the Daily, AM peak hour, and PM peak hour trips for each development project. The resulting trip generation estimates are summarized in **Table 4**.

Table 3. Anticipated Development Land Use Quantities

Development Name	Land Use
Carson Hills Apartments	370 Multi-Family Units
Clearview Ridge	75 Single Family Homes
Cochise Multi-Family	143 Multi-Family Units
RC Zoning	120 Room Hotel
Appion Commercial Center	9,198 Sq. Feet Fast Food 3,600 Shopping Center
Fast Food Pad on Appion	2200 Sq. Feet Fast Food
North Douglas County Specific Plan Amendment	300 Single Family Attached Homes 610 Multi-Family Units 328 Single Family Detached Homes 114,200 Sq. Feet Shopping Center 475 Student School

Table 4. Anticipated Development AM, PM, and Daily Trip Totals

Development Name	PROJECT TRIP GENERATION		
	AM Peak	PM Peak	Daily Trips
Carson Hills Apartments	170	207	2,708
Clearview Ridge	56	74	708
Cochise Multi-Family	56	74	902
RC Zoning	74	88	1,468
Appion Commercial Center	217	163	4,564
Fast Food Pad on Appion	88	72	1,036
North Douglas County Specific Plan Amendment	755	995	10,709
<i>Total:</i>	1,416	1,673	22,095

^b Trip generation estimates are intended to match those in submitted traffic impact studies to date. Trip generation estimates for projects without previously submitted traffic impact studies, were based on the best available land use mix data at the time of analysis. Any variation between the trip generation estimates used in this analysis and those in submitted traffic impact studies for each project is attributed a change in project land use quantities or types for that project following the completion of this analysis.



Trip Distribution & Assignment

Future development traffic was distributed, by individual project, to the adjacent roadway network based on existing travel patterns and the locations of complimentary land uses. All development trips were distributed throughout the entire study network to ensure a comprehensive evaluation. **Figures 6-12** illustrate the trip assignment for each development project included in this evaluation. The combination of anticipated development trips is shown on **Figure 13**.

2040 Cumulative Traffic Volumes

2040 Cumulative AM and PM peak hour traffic volumes (worst case scenario for the 20-year horizon) were developed by combining the 2040 Baseline volumes (**Figure 4**) and all of the anticipated development trips (**Figure 13**). The resulting cumulative traffic volumes are shown on **Figure 14**.

This evaluation also considers daily traffic volumes on S. Carson Street in the study corridor. The annual background growth rate of 0.5% was applied to the most recent NDOT reported Annual Average Daily Traffic (AADT) volumes to represent 21 years of total growth (total factor of 10.5%) and generate a baseline estimate of 2040 AADT. As shown in **Figure 15**, 2040 daily traffic on S. Carson Street could potentially reach 22,760 vehicles per day between 5th Street & Stewart Street and 37,073 vehicles per day between Clearview Drive and US 50. For comparison, the 2016 daily traffic on S. Carson Street prior to the completion of I-580 in 2017 was 52,000 vehicles per day.

Planned Complete Street Modifications

The proposed Complete Street redesign of S. Carson Street includes the following modifications (as of the 30% design stage):

- Remove one northbound and one southbound travel lane from Appion Way to Stewart Street (resulting in two lanes in each direction)
- Remove one northbound lane from Stewart Street to 5th Street (resulting in a single northbound lane)
- Add a multi-use path on the east side of the roadway from Appion Way to Stewart Street
- Add bike lanes from Stewart Street to 5th Street
- Provide a center two-way left turn lane along the majority of S. Carson Street from Clearview Drive to Rhodes Street
- Maintain the existing two-way center turn lane between 5th Street and Stewart Street

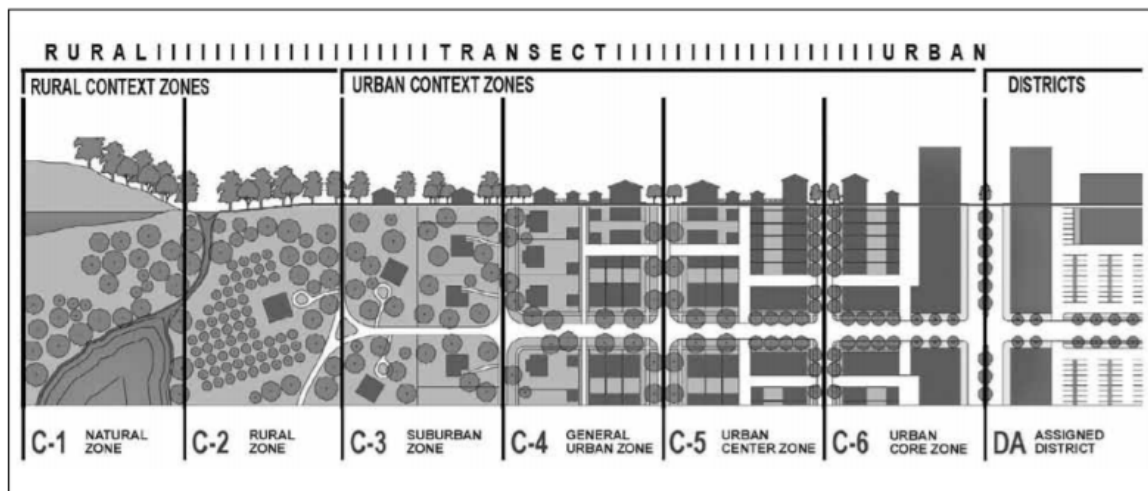
The 30% stage plans reviewed in this evaluation are provided in **Appendix B**.



Speed Limits

The Complete Streets project will intentionally change the character of the roadway and it is important to identify appropriate speed limits for each unique section of the corridor based on urban context and applicable industry standards. ITE Guidance^c identifies seven different urban form types (land uses/quantities, land use mix, building setbacks, residential and employment density) which are called “context zones” (**Figure 16**). As the context zone of the S. Carson Street corridor varies from north to south, the appropriate speed varies accordingly. Based on the urban form along the S. Carson Corridor, the corridor was divided into the following “context zone” sections.

1. 5th Street to Stewart Street – C-4: General Urban Zone
2. Stewart Street to Clearview Drive – C-3: Suburban Zone
3. Clearview Drive to Appion Way – C-3/C-2 – “Transitional Zone”



Source: ITE (2010) – Designing Walkable Urban Thoroughfares: A Context Sensitive Approach

Figure 16. Context Zones

The ITE guide identifies appropriate speed limits for context zones C-3 to C-6. The Clearview Drive to Appion Way area is intended to serve as a transitional zone to match the existing 50 mph speed limit south of Appion Way. Based on this guidance, the following speed limits are identified as being appropriate for the S. Carson Street corridor.

1. 5th Street to Stewart Street – 25 MPH
2. Stewart Street to Clearview Drive – 35 MPH
3. Clearview Drive to Appion Way – 50 MPH

^c Designing Walkable Urban Thoroughfares: A Context Sensitive Approach (2010)



These proposed speed limits align with the American Association of State Highway and Transportation Officials (AASHTO) Green Book: “Urban arterials should be designed and control devices regulated, where practical, to permit running speeds of 20 to 45 mph. Speeds in the lower portion of this range are applicable to local and collector streets through residential areas and to arterial streets through more crowded business areas, while speeds in the higher portion of the range apply to high-type arterials in outlying suburban areas.”

2040 LEVEL OF SERVICE ANALYSIS

Level of service analysis was completed for each study intersection to compare the existing traffic operations to the future traffic operations, including anticipated development, and identify the lane configurations necessary to maintain acceptable operating conditions.

Table 5 shows the level of service and overall intersection delay results for the 2040 Cumulative scenario with the 30% design stage complete street configuration. Technical calculations and average delays for each side street movement in this scenario are provided in **Appendix C**.

Table 5. 2040 Cumulative Conditions Level of Service Analysis Results

2040 Cumulative Conditions						
ID	Intersection Name	Intersection Control	AM Peak		PM Peak	
			LOS	Average Delay (sec/veh)	LOS	Overall Delay (sec/veh)
1	S. Carson & 5th Street	Signalized	B	16.9	B	18.9
2	S. Carson & Mall Entrance	Side Street STOP		0.4		0.4
3	S. Carson & Stewart Street	Single Lane Roundabout ^d	B	14.8	F	72.8
4	S. Carson & Fairview Drive	Signalized	E	58.7	D	47.0
5	S. Carson & Colorado Street	Side Street STOP		2.6		3.8
6	S. Carson & Rhodes Street	Side Street STOP		4.5		43.1
7	S. Carson & Sonoma Street	Side Street STOP		2.0		3.5
8	S. Carson & Moses Street	Side Street STOP		0.5		3.9
9	S. Carson & Koontz Lane	Signalized	C	26.7 ^e	D	38.8
10	S. Carson & Raleys Entrance	Side Street STOP		0.1		0.2
11	S. Carson & Eagle Station Lane	Signalized	C	28.2	D	45.2
12	S. Carson & Clearview Drive	Signalized	D	36.4	D	39.4
13	S. Carson & Overland/Snyder Ave	Side Street STOP		1.9		9.9
14	S. Carson & Appion Way	Side Street STOP		5.7		66.0

Source: Headway Transportation, 2019

^d Based on 30% design concept. 60% design will incorporate second westbound left turn lane. Based on preliminary analysis, this will result in 2040 AM Peak LOS B and 2040 PM Peak LOS C (**Appendix D**).

^e Major increase in mainline traffic with minimal delay and minimal increase in side-street traffic with higher delays results in reduced Overall LOS & Delay. Side-street movement LOS reduced in future (**Appendix C**)



As shown in **Table 5**, all of the intersections that are to remain signalized are projected to operate within Carson City policy LOS under the 2040 Cumulative Conditions scenario.

A roundabout is planned at the Stewart Street/S. Carson Street intersection. Operations analysis was conducted for this intersection using SIDRA software which is specifically designed for roundabout operations analysis. The SIDRA analysis indicates the preliminary configuration (shown in **Appendix D**) would not have adequate capacity for 2040 volumes and would result in LOS "F" during the PM peak period. Based on this analysis, two lanes are needed for the westbound to southbound movement in order to provide acceptable operations. For this reason, a second westbound turn lane is being incorporated into the 60% design plans. A preliminary SIDRA analysis of this design indicates that this will improve 2040 PM Peak LOS to "C". The detailed results of the SIDRA analysis for both roundabout concepts are included in **Appendix D**.

Side street operations at stop-controlled intersections will be impacted by the removal of a travel lane on S. Carson Street, most notably during the PM peak hour. This is an expected result of removing a travel lane from the mainline roadway because traffic in the remaining lanes becomes more condensed which reduces the length and number of gaps between vehicles on the mainline and makes it more difficult to enter the roadway from the side street. Delay on the side-streets is a commonly accepted and manageable condition on major arterial roadways since it is not appropriate to signalize low volume side streets and inappropriately impact mainline traffic flows. To proactively manage this situation, the project design should enable U-turns at major intersections to allow drivers to make a right turn on S. Carson Street and later make a U-turn movement if they do not want to wait for an adequate left-turn gap during the peak hours.

This analysis was conducted assuming a coordinated traffic signal system on S. Carson Street Corridor for both existing and future conditions. Proactive traffic signal management and a well-coordinated system will be necessary to manage the existing and future traffic volumes following the complete street modifications (removal of travel lanes/capacity reduction). Without signal coordination, significant congestion will likely occur on northbound Carson Street north of Stewart Street. It should be noted that the assumed signal coordination provides a worst-case scenario for determining side street operations and queue storage needs because mainline operations are appropriately prioritized in this scenario.



TURN POCKET RECOMMENDATIONS

Additional Lanes

Based on the 2040 Cumulative Condition traffic volumes and traffic operations analysis, turn pockets should be provided at the following locations not already shown in the 30% stage plans:

- Northbound right-turn lane at Koontz Lane (200 foot striped pocket)
- Northbound right-turn lane at 5th Street (350 foot striped pocket)

A northbound right-turn pocket is needed at Koontz Lane to serve the high projected right turn volumes (over 100 right turns in the PM peak hour). Removing high right-turn volumes from through lanes reduces rear-end collision probability and thereby improves safety.

A northbound right-turn pocket is needed at 5th Street so that right turn movements will not be blocked by the long northbound through queues that will develop at this location over time.

No turn pockets are required at either the Main Mall Entrance or the Raley's Entrance. This indicates that driveways throughout the corridor do not generate sufficient traffic at this time to require turn pockets.

Queue Storage

This analysis identifies the 95th percentile queue lengths for each movement (based on 2040 Cumulative Condition volumes and the proposed Complete Street configuration) and compares the projected queue lengths to the planned turn pocket lengths shown in the 30% design drawings. **Table 6** presents the locations for which modifications to the 30% design are recommended.

Table 6. Turn Pocket Recommendations

	Turning Movement	30% Design Turn Pocket Length (Feet)	95th Percentile Queue (Feet)	Recommended Turn Pocket Length (Feet)
S. Carson St & Koontz Lane	Northbound Right	0	610*	200
S. Carson St & 5th Street	Northbound Right	0	427*	350
S. Carson St & Eagle Station Lane	Southbound Left	185	214	215
S. Carson St & Fairview Drive	Northbound Right	150	220	230
S. Carson St & Clearview Drive	Northbound Left	200	227	250

**Represents Northbound Through Queue. Northbound right-turn pocket recommended to reduce spillback through side street intersections and improve safety.*



Proactive Network Management Strategies

Through this analysis we identified the following proactive strategies to enhance the project area roadway network and maximize the efficiency of the overall system. These strategies go beyond the scope of the current Complete Streets project but are intended to compliment the implementation of the project and maximize network efficiencies. The suggested proactive strategies are:

- Lengthen the westbound left-turn pocket at Fairview to 350 feet which will remove the short eastbound left turn pocket at the back of the westbound left-turn lane
- The City should plan for the signalization of Appion Way in order to divert left-turn demand from the Clearview Drive intersection and accommodate future northbound left-turn traffic at Appion Way.
 - The Clearview Drive eastbound approach to S. Carson Street was evaluated in detail in this analysis. The approach has a 130 foot eastbound left turn pocket with a center turn lane behind it, for over 350 feet of total storage, and a 100 foot eastbound right turn pocket. The projected 95th percentile eastbound left-turn queue under 2040 Cumulative conditions is approximately 380 feet, which would spillback into the westbound left-turn pocket at the Cochise Dr/Clearview Dr intersection. The right-turn queue is projected to be contained within the existing pocket length. The eastbound lane configurations are set such that the left-turn pocket would prohibit access to and from adjacent driveways on both the north and south sides of Clearview Drive. This condition is not projected to occur until 2040 during peak hours.
 - Northbound left-turns at Appion Way are expected to reach LOS “F” with the anticipated commercial developments (approx. 300 peak hour northbound left-turns) and continued background traffic volume growth. The reconfiguration of Carson Street will focus southbound traffic into two lanes until approximately 400 feet north of Appion Way, rather than three as exists today, and further reduce gaps in southbound traffic for northbound left-turn movements^f. The analysis shows a need for 600 feet of northbound left-turn storage for the unsignalized condition under 2040 Cumulative conditions. We do not believe drivers will actually sit through that level of delay and therefore recommend signalization over providing a 600 foot northbound left-turn pocket.
- Closing the median opening at the Overland Street/Snyder Avenue intersection in conjunction with future improvements at Appion Way, particularly if Snyder Avenue were realigned opposite Appion Way, should be considered. Left turn and through movements from Overland Street are already extremely difficult during peak hours and prohibited from Snyder Avenue. The

^f Based on 30% design plans



northbound left turn pocket to Overland Street would need to be removed to construct a southbound left turn lane to any new east leg opposite Appion Way.

- It is anticipated that a traffic signal will be needed at Rhodes Street with future redevelopment of the vacant Armory site (east side of S. Carson Street opposite Rhodes Street). The City should consider constructing a northbound right-turn lane at Rhodes Street now to avoid disruption of the multi-use path later. Similarly, we recommend the southbound left-turn to Rhodes Street and the northbound left-turn lane to Colorado Street be constructed back-to-back by the complete streets project to maximize the queue storage for both movements in the future.



CONCLUSIONS

The recent completion of I-580 has changed travel patterns across Carson City and has significantly reduced traffic volumes on S. Carson Street between 5th Street and US 50. The lower traffic volumes on S. Carson Street create an opportunity to reimagine the roadway and implement Complete Street treatments. This evaluation presents 21-year horizon traffic volume forecasts, evaluates the lane configurations and turn pocket lengths in 30% plans on the Complete Streets project, and identifies recommendations for the Complete Streets project. This evaluation also offers longer-term recommendations for consideration with future projects. Following are the key findings and recommendations:

- Growing traffic volumes and fewer through lanes on S. Carson Street will increase delay for left-turns from side streets. This condition is typically manageable and commonly accepted on major arterial roadways where signalization of low volume side-streets is not appropriate (i.e. S. Carson Street). It is recommended that this condition be managed by the following strategies:
 - Provide U-turn opportunities at major intersections to enable drivers to make a right turn onto S. Carson Street and later make a U-turn movement if they do not want to wait for adequate left-turn gaps during peak hours.
 - Coordinate signal timings along S. Carson Street of optimum through-put and to create left-turn gaps between vehicles on the mainline.
 - Identify improvements to parallel side-street operations (Curry Street & Stewart Street) to proactively manage any diverted traffic from S. Carson Street onto these parallel facilities.
- Proactive traffic signal coordination and optimization for the S. Carson Street corridor will be absolutely necessary and should be implemented with the Complete Street project changes. Maximizing efficiency of traffic operations is critical to minimizing delay and queue lengths at signalized intersections especially in the southern portion of the project (Fairview Drive to Appion Way). Further evaluation of appropriate cycle lengths, timings, and clearance intervals will help the City manage traffic operations along the corridor as growth occurs.
- To proactively accommodate future traffic the following five (5) modifications to Turn Pockets (**Figure 17**) should be incorporated into the Complete Street design:
 - Right turn pockets are needed for northbound right-turns at 5th Street and Koontz Lane
 - Extend northbound right-turn pocket at Fairview Drive
 - Extend southbound left-turn pocket at Eagle Station Lane
 - Extend northbound left-turn pocket at Clearview Drive



- The preliminary Stewart Street roundabout configuration (30% design) requires two westbound to southbound lanes within the roundabout to adequately accommodate the high left turn volumes in the PM peak hour. A single lane configuration would likely result in Level of Service F and significant queuing during the 2040 PM peak hour. Based on this analysis, Carson City has committed to incorporating an additional westbound to southbound lane into the 60% design.
- The City should anticipate a need for future improvements in the Appion Way & Overland Street/Snyder Avenue area to address left-turn movements to and from Appion, Overland, and Snyder. Although further evaluation is needed, a traffic signal at Appion Way is a leading alternative for resolving several localized issues, particularly if Snyder Avenue could be realigned opposite Appion Way. Access management at the Overland Street intersection should be considered with the Appion Way improvement alternatives.
- The City should anticipate a need for future improvements at Rhodes Street with future redevelopment of the vacant Armory site (east side of S. Carson Street opposite Rhodes Street). The City should consider constructing a northbound right-turn lane at Rhodes Street now to avoid future disruption to the multi-use path.
- The following speed limits are recommended based on the land use and roadway context of this project and the agreed goal of creating a more walkable and bikeable street environment:
 - 5th Street to Stewart Street – 25 MPH
 - Stewart Street to Clearview Drive – 35 MPH
 - Clearview Drive to Appion Way – 50 MPH

Please do not hesitate to contact us at 775.322.4300 with any questions or comments.

Sincerely,
Headway Transportation, LLC



Loren E. Chilson, PE
Principal



Attachments: Figures 1 – 17

Appendix A – S. Carson Street 30% Plans

Appendix B – Existing Conditions LOS Calculations

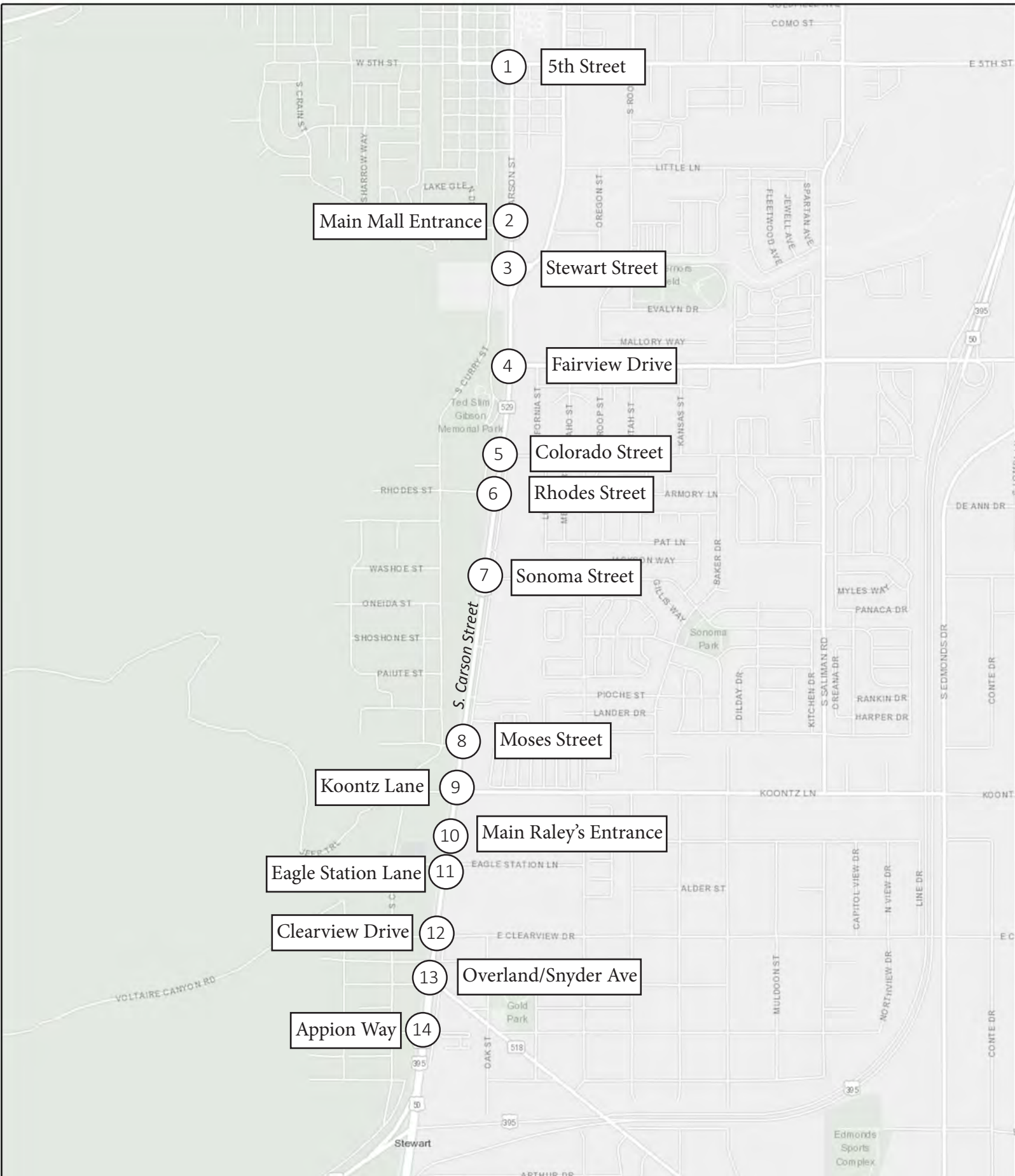
Appendix C – 2040 Cumulative Conditions LOS Calculations

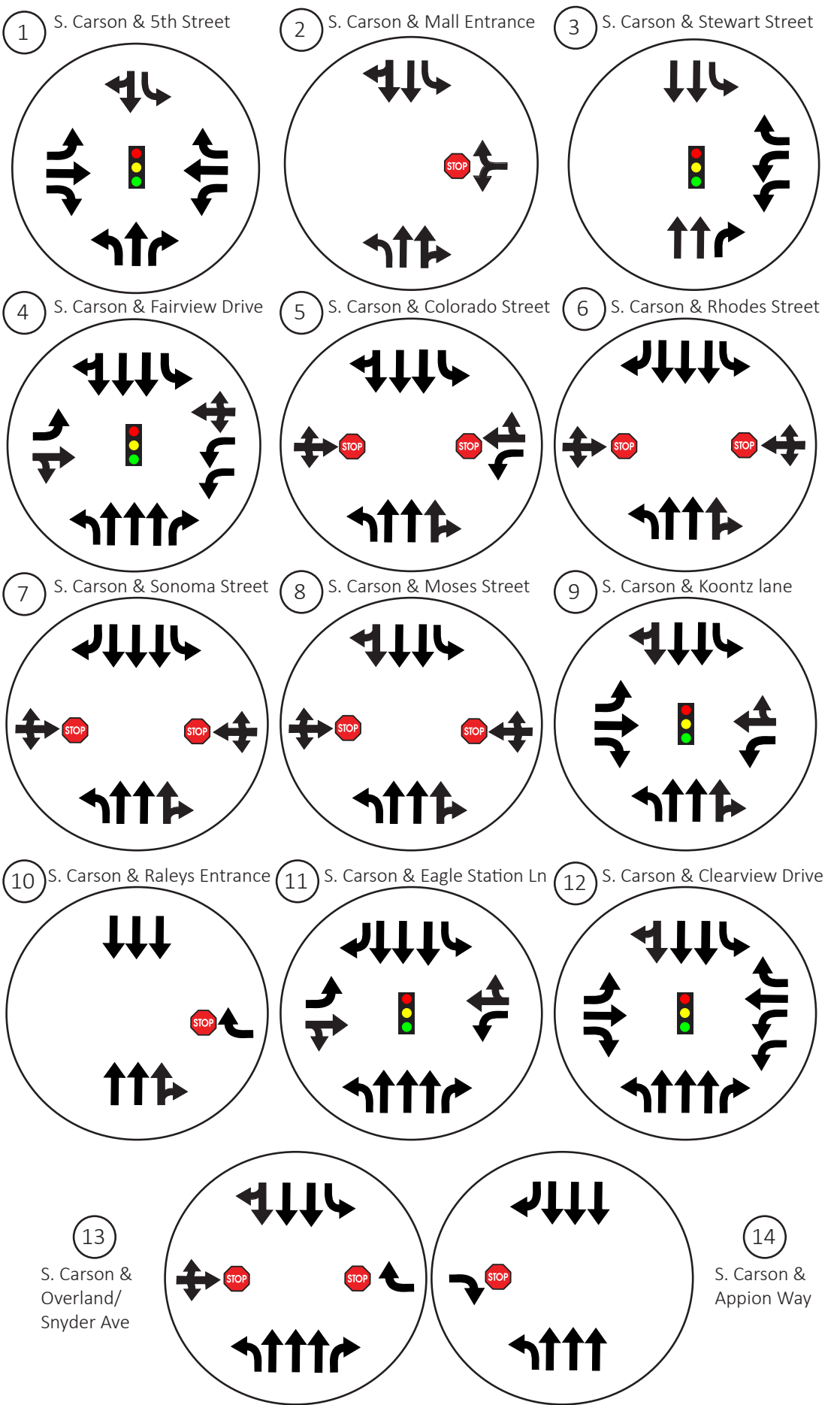
Appendix D – Stewart Street Roundabout Level of Service Analysis

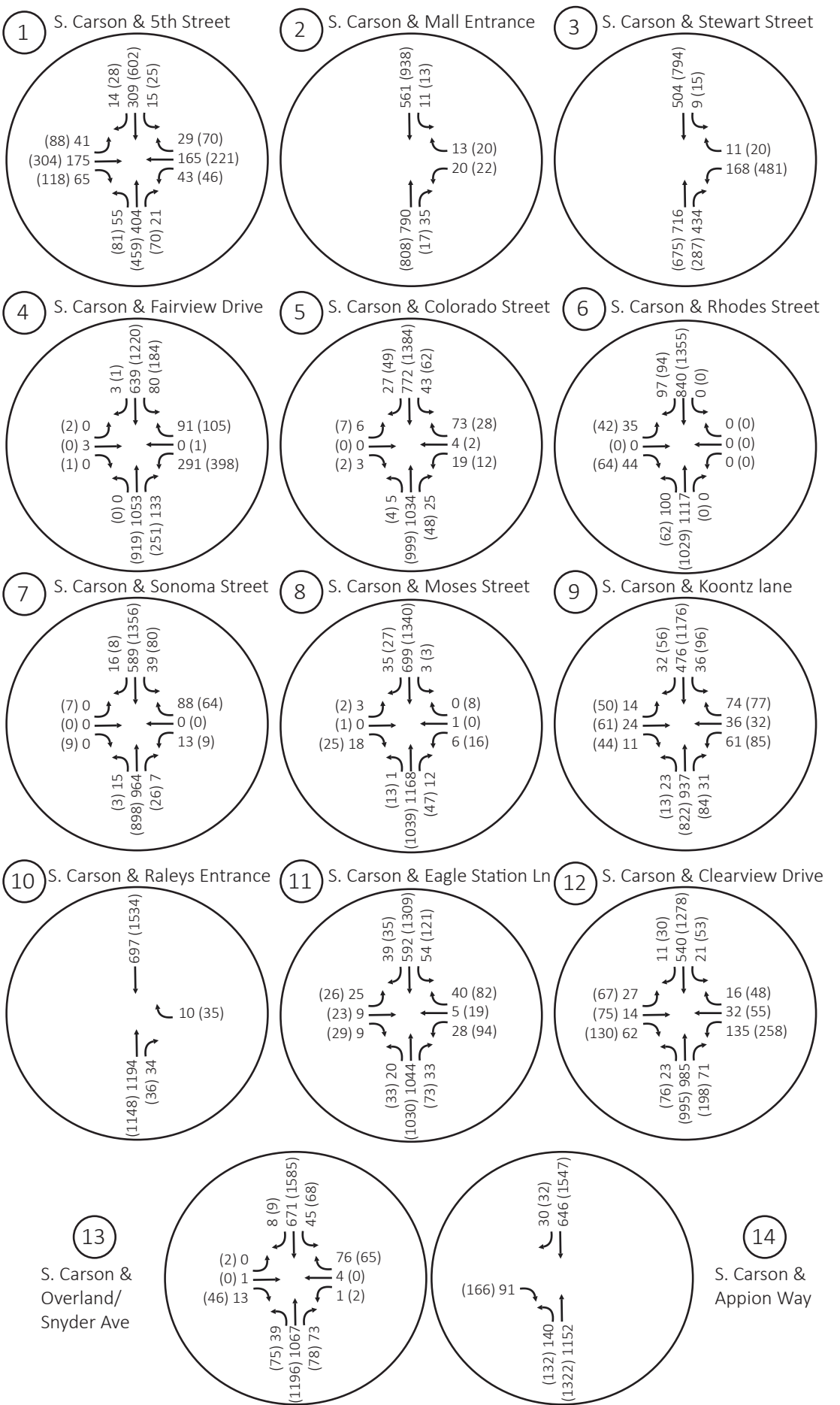


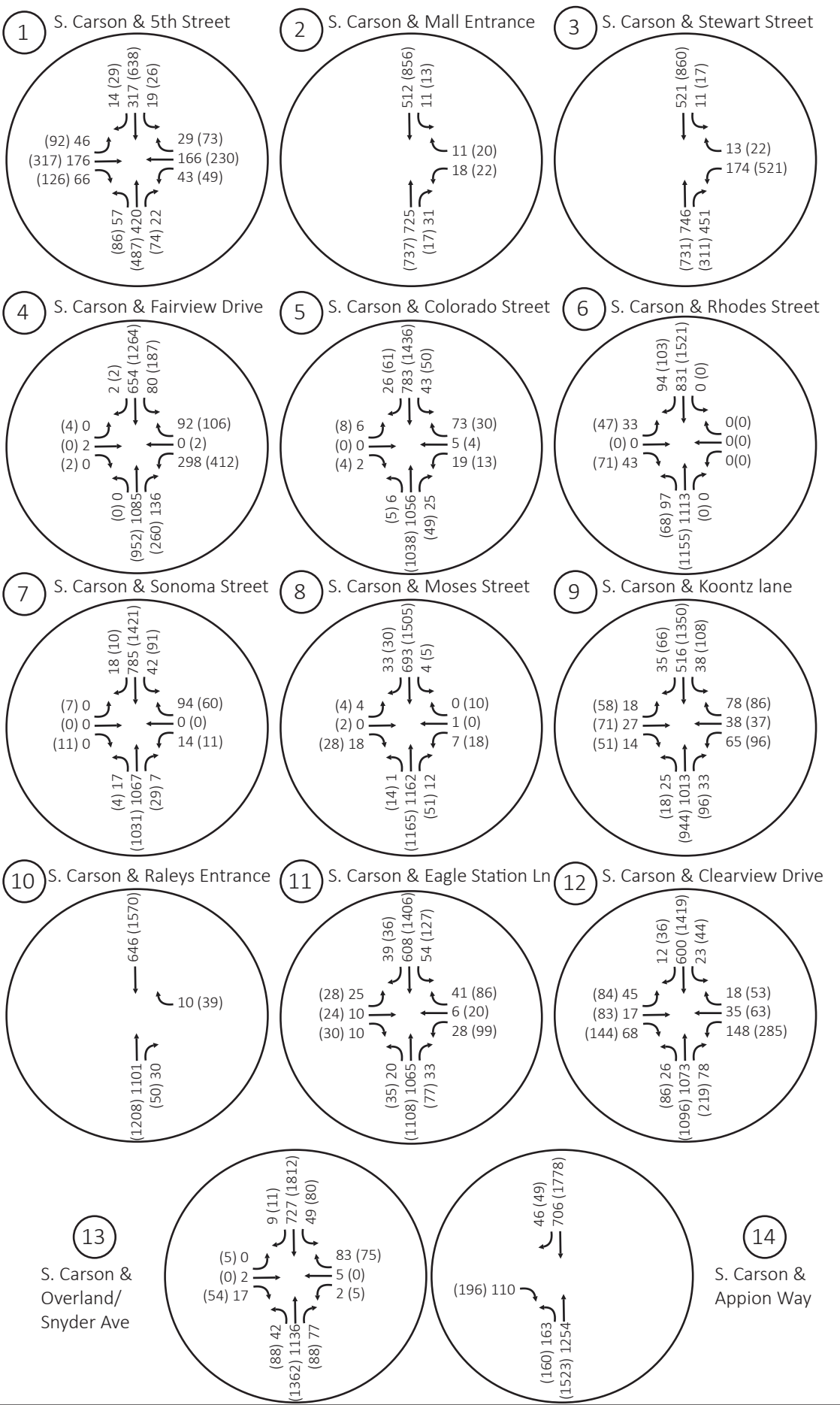
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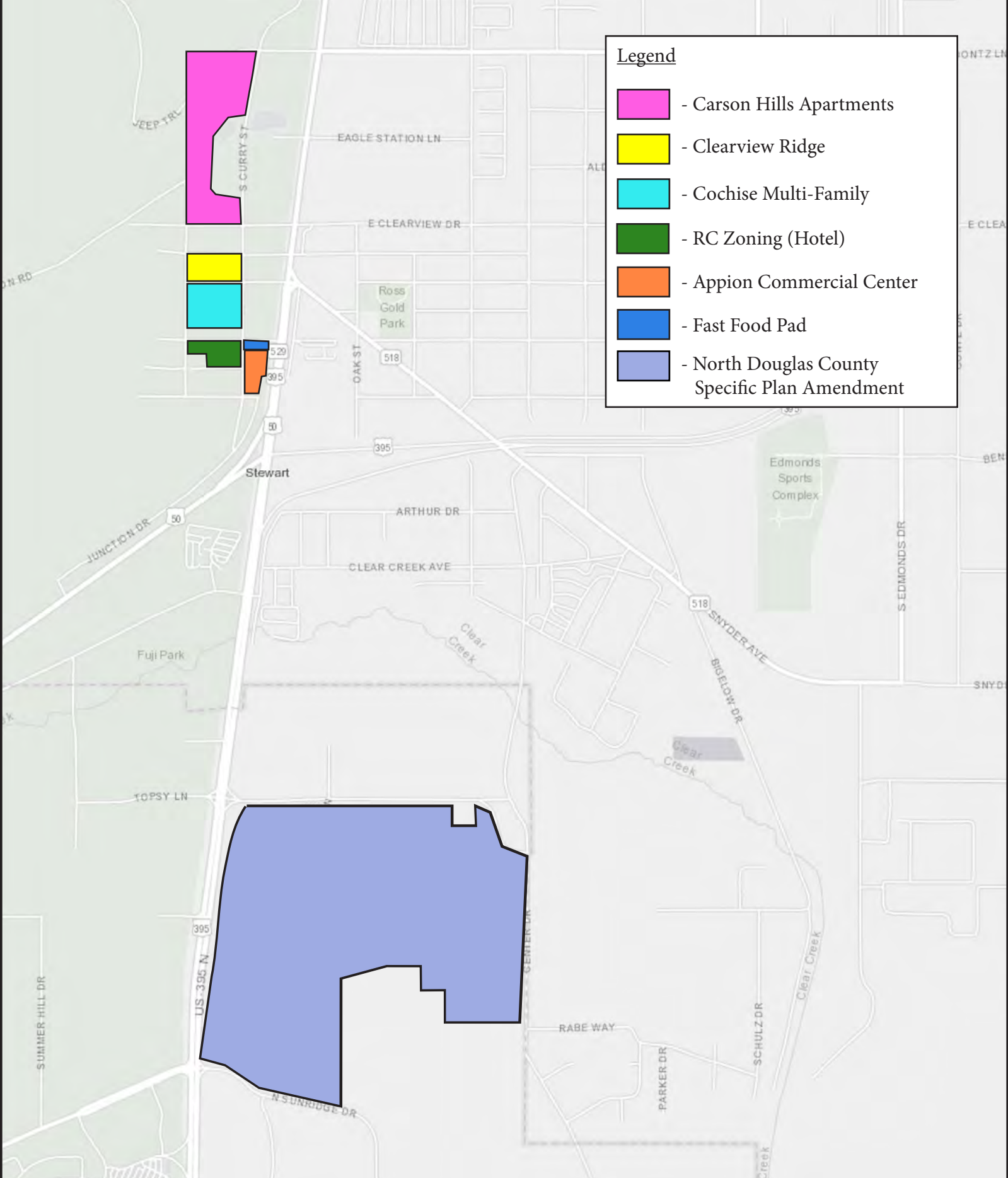
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2. Existing Lane Configurations and Controls
3. Existing AM & PM Peak Hour Traffic Volumes
4. 2040 Baseline AM & PM Peak Hour Traffic Volumes
5. Anticipated Development Locations
6. Carson Hills Apartments Project Trips
7. Clearview Ridge Project Trips
8. Cochise Multi-Family Project Trips
9. RC Zoning Project Trips
10. Appion Commercial Center Project Trips
11. Fast Food Pad Project Trips
12. North Douglas Specific Plan Amendment Project Trips
13. Total Anticipated Development Traffic
14. 2040 Cumulative AM & PM Peak Hour Traffic Volumes
15. 2040 Cumulative Daily Traffic
16. *Context Zones (Included on page 8 of report)*
17. Proposed Lane Configurations & Controls





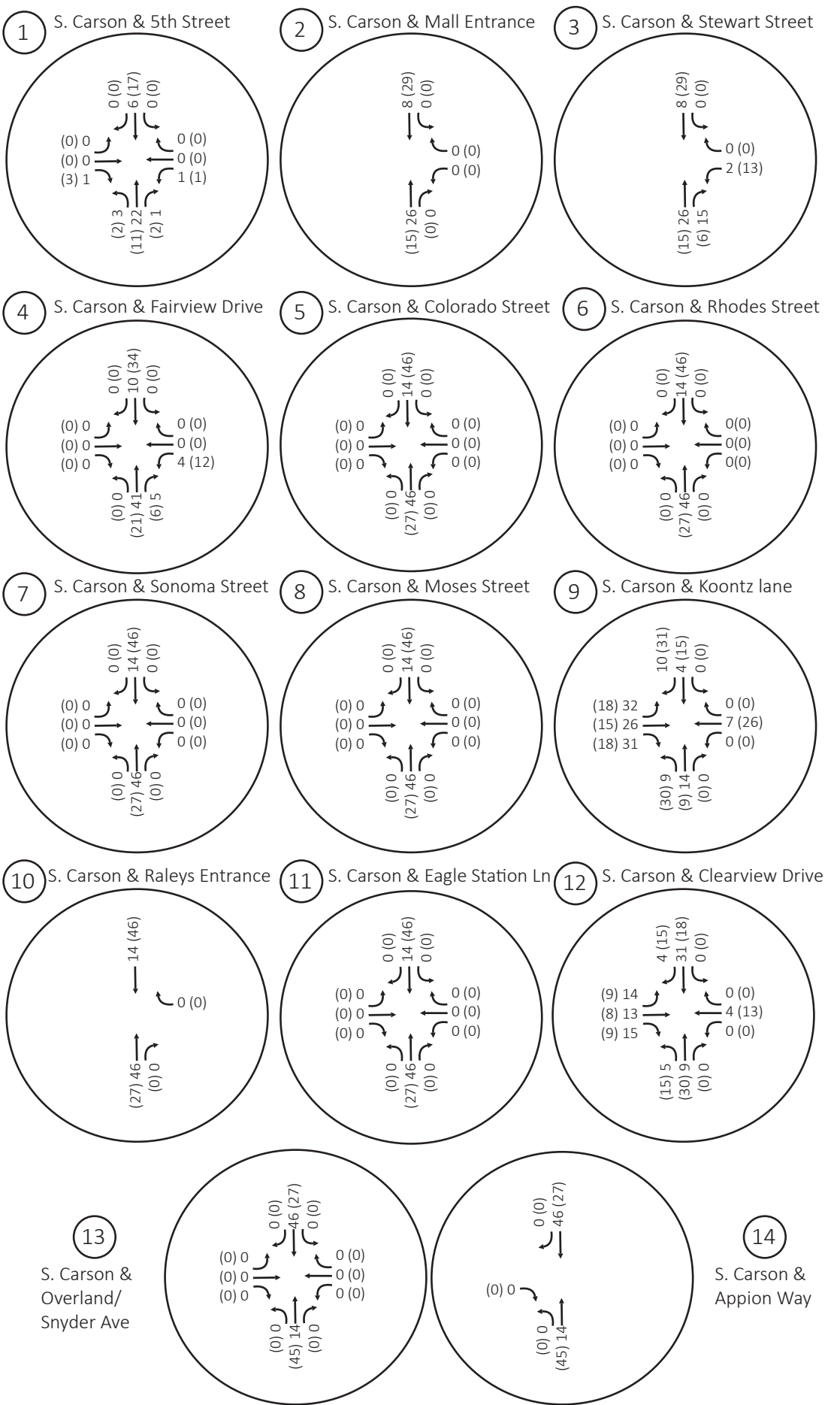


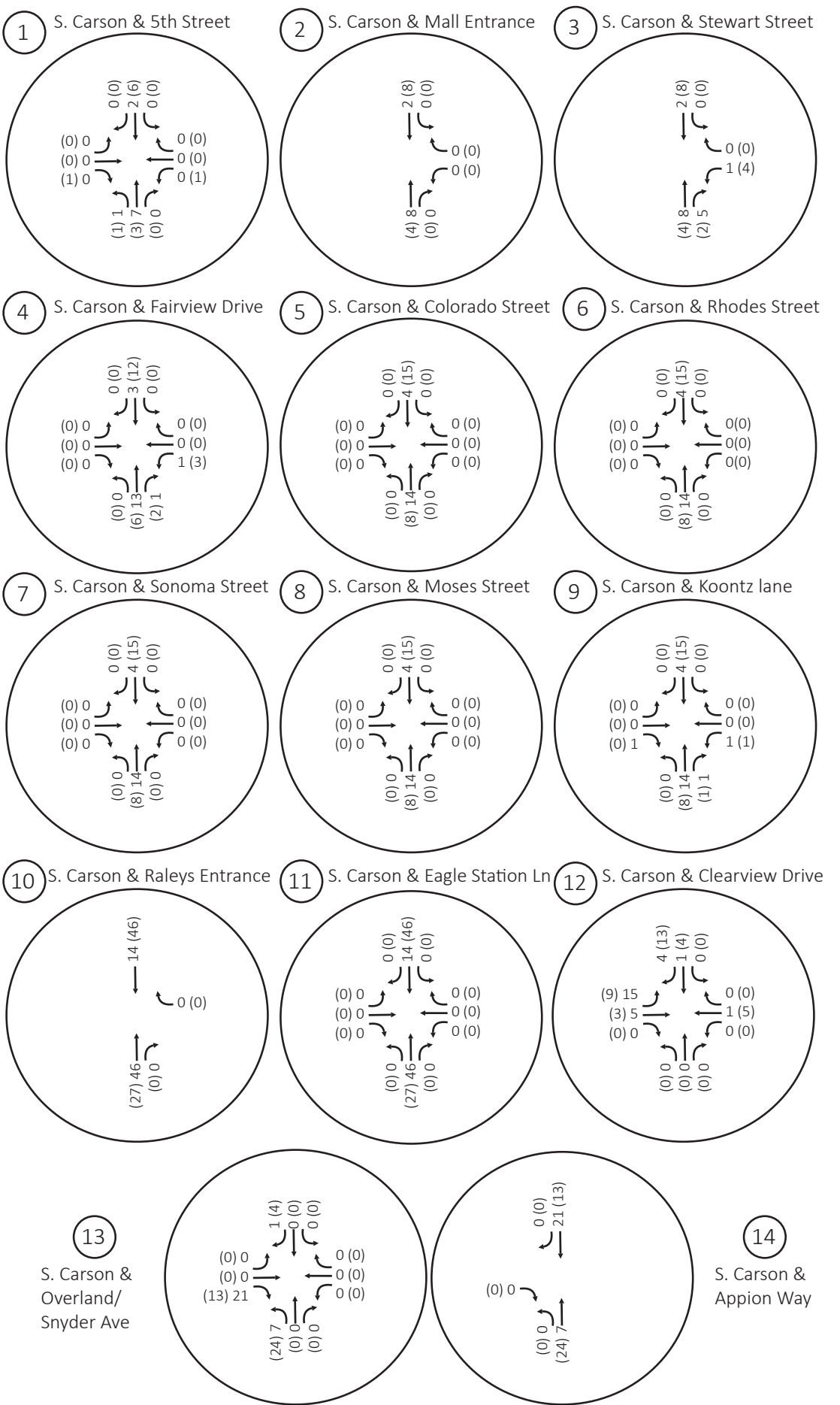


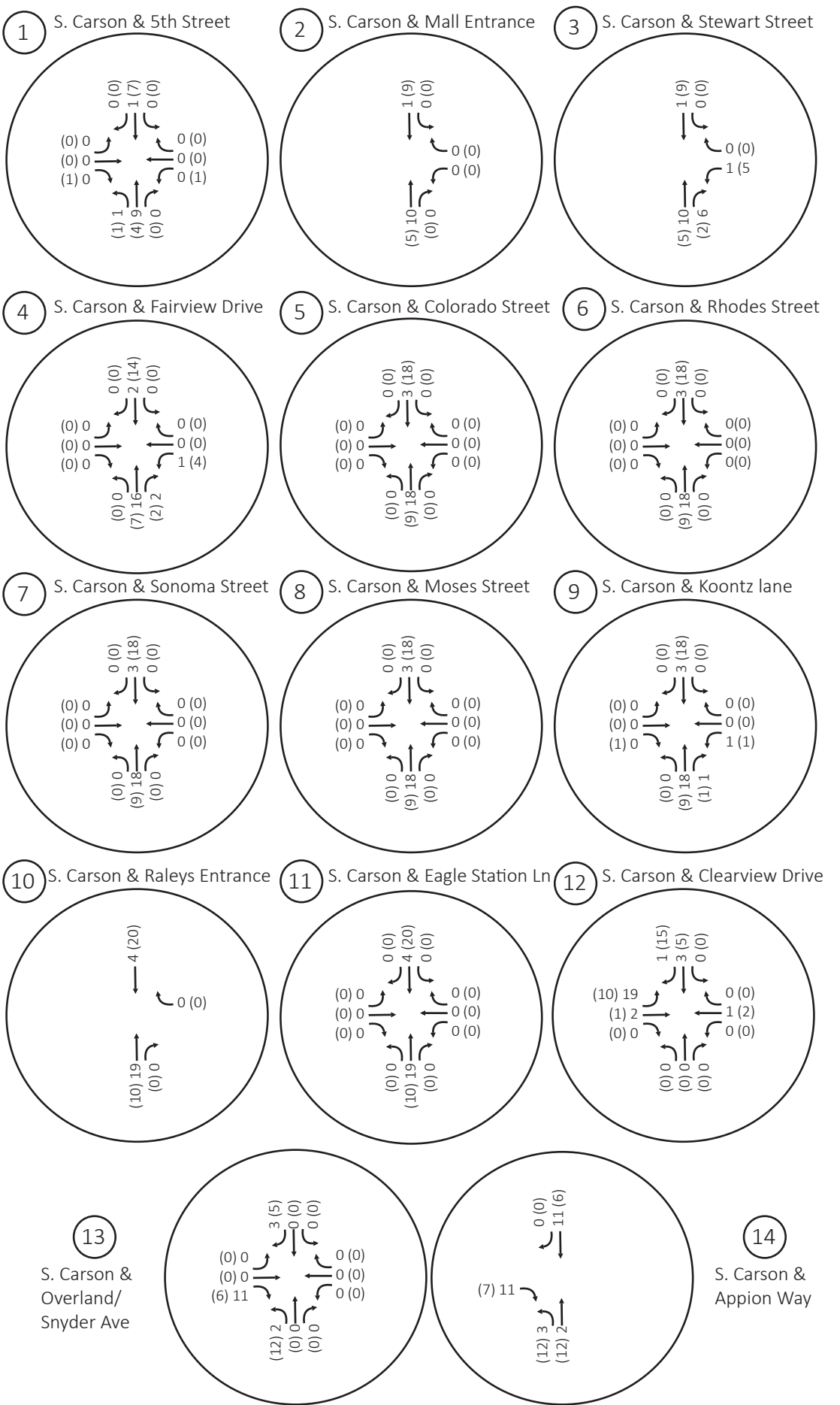


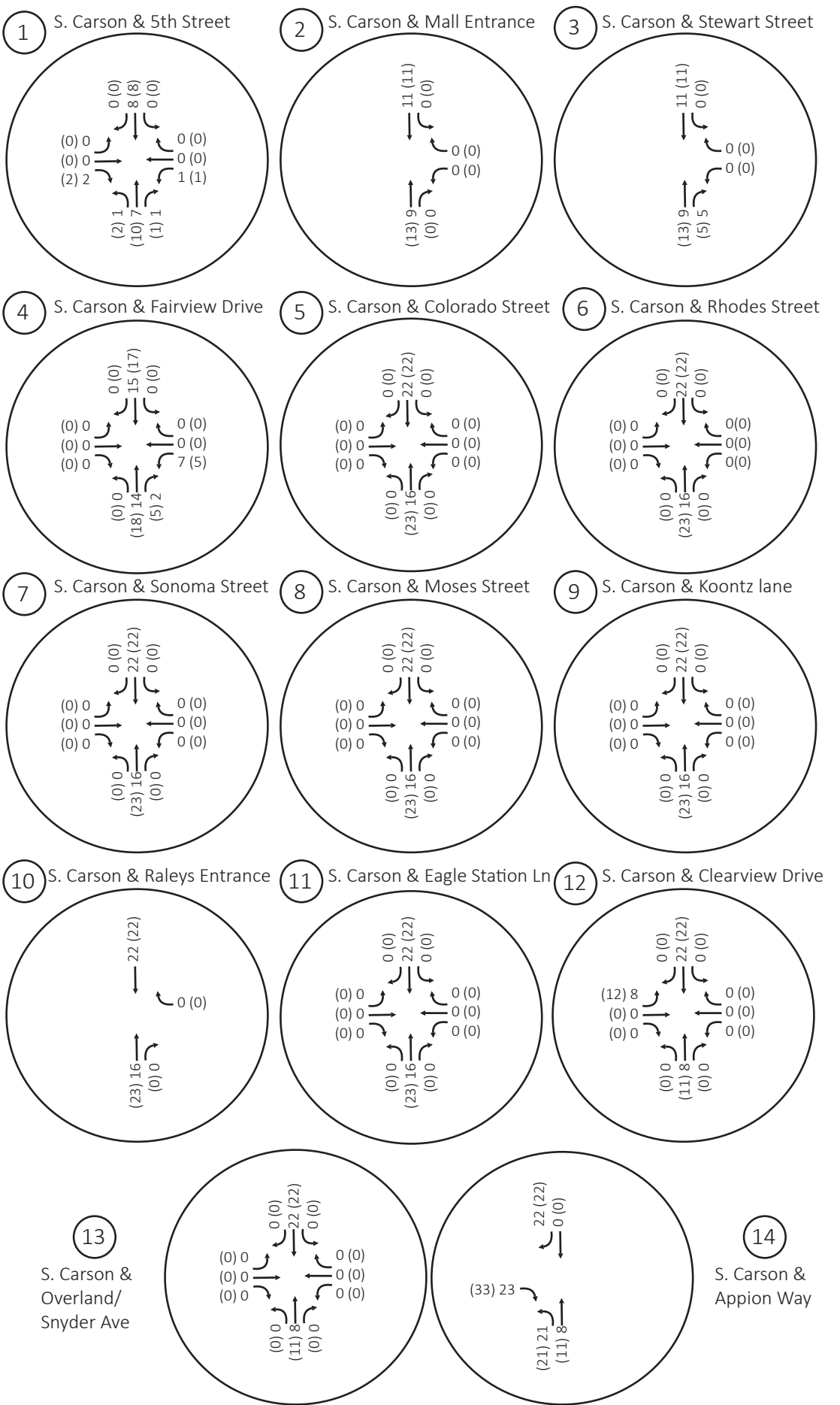
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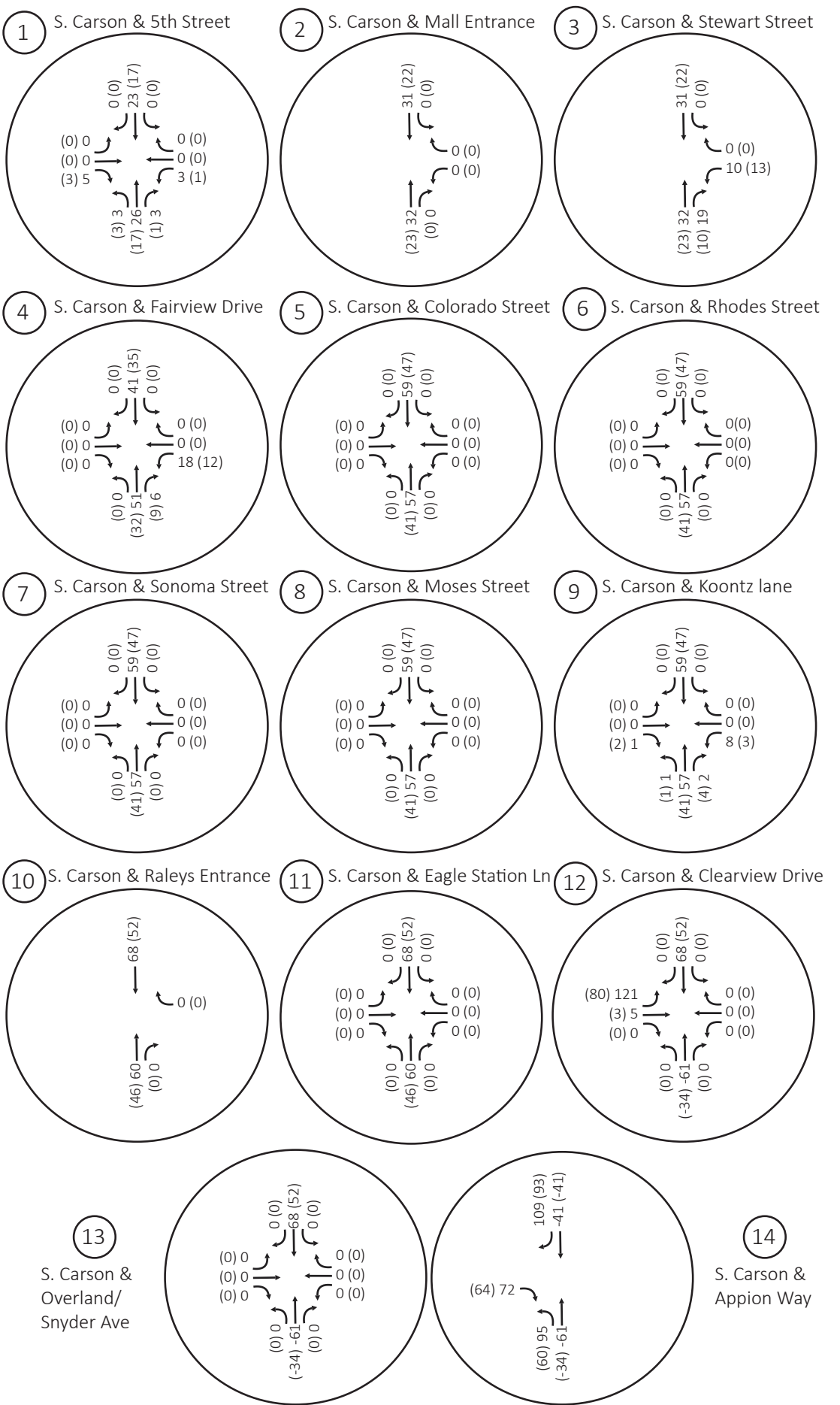
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- Clearview Ridge
- Cochise Multi-Family
- RC Zoning (Hotel)
- Appion Commercial Center
- Fast Food Pad
- North Douglas County Specific Plan Amendment





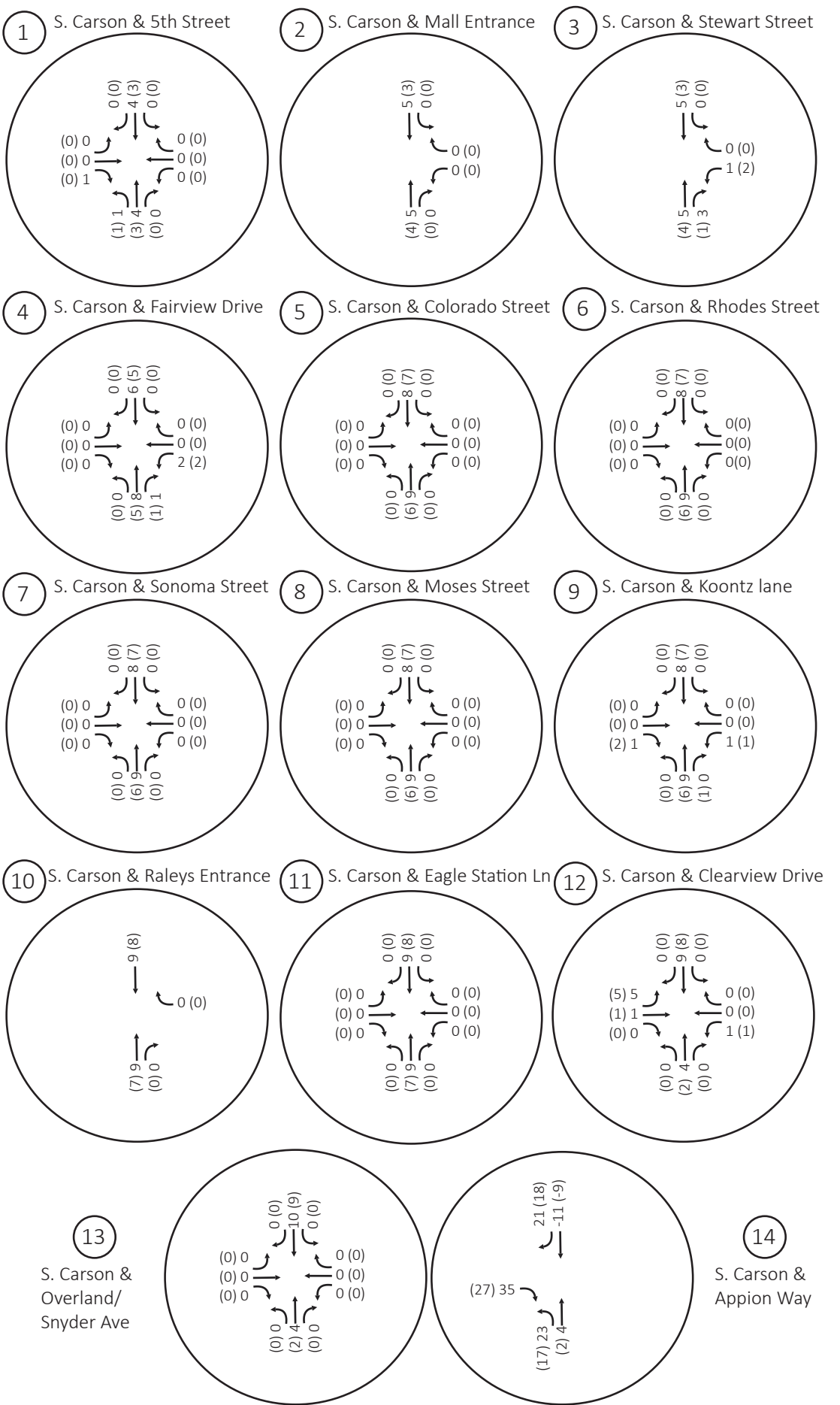


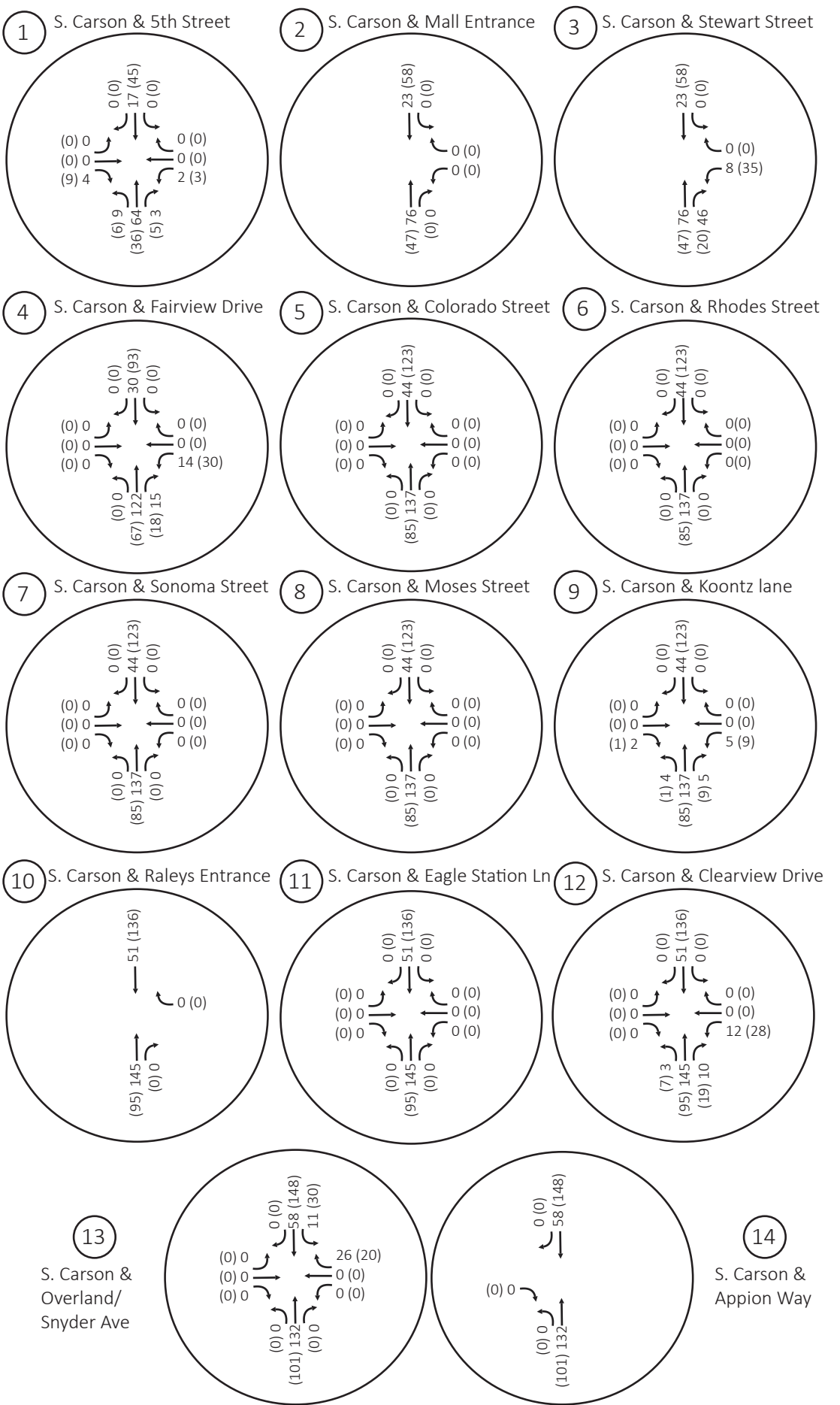




AM (PM)- Turning Movement Volumes

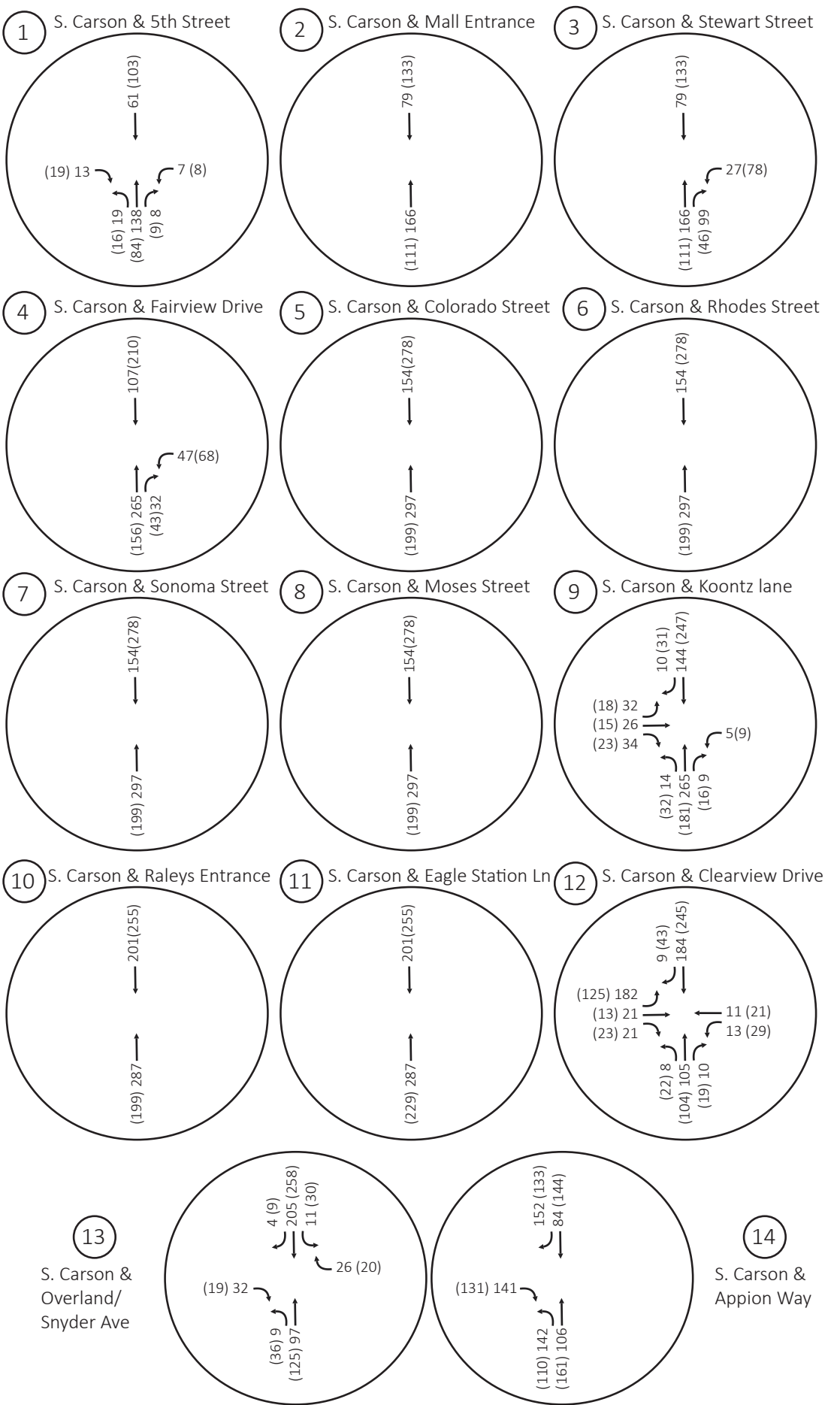
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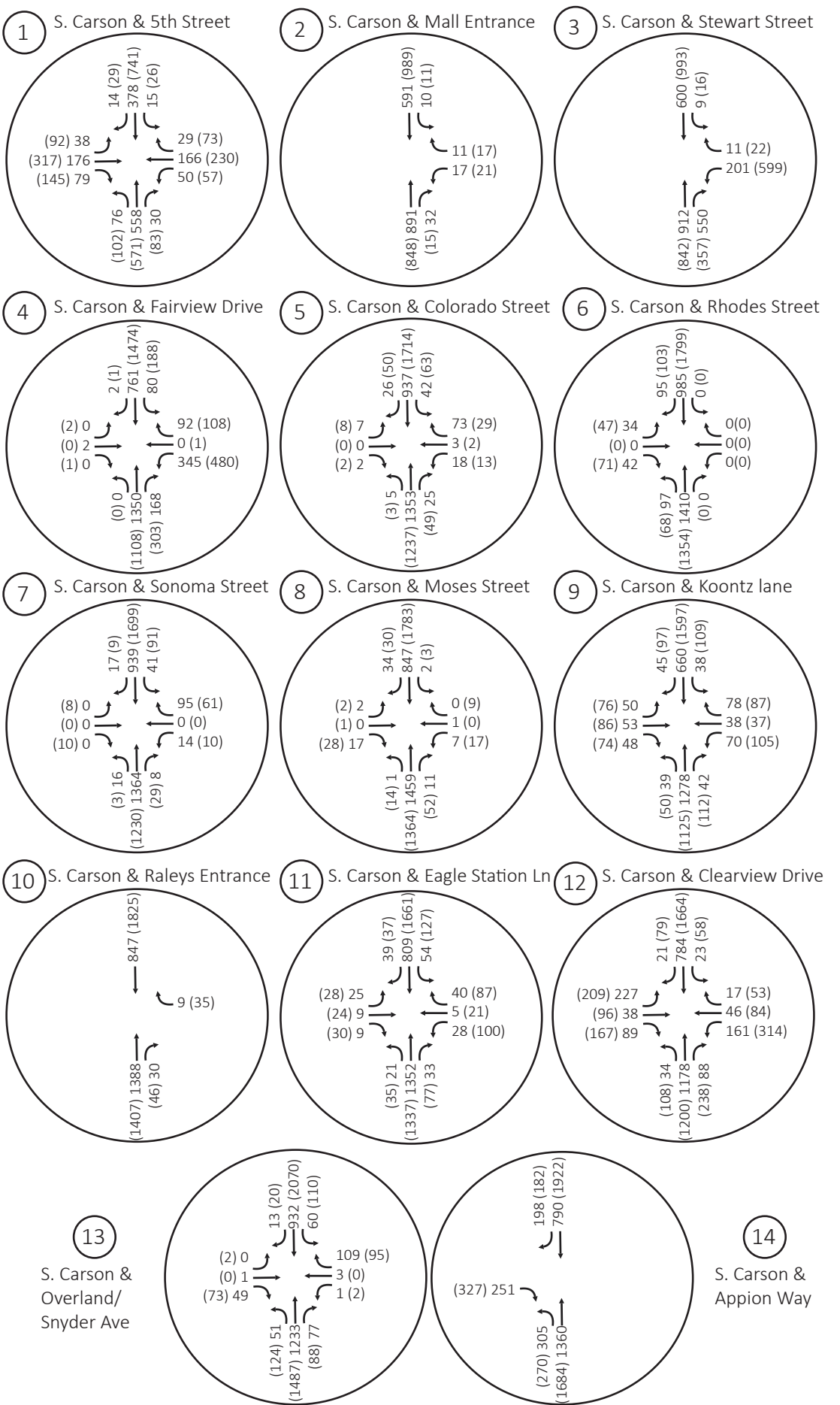




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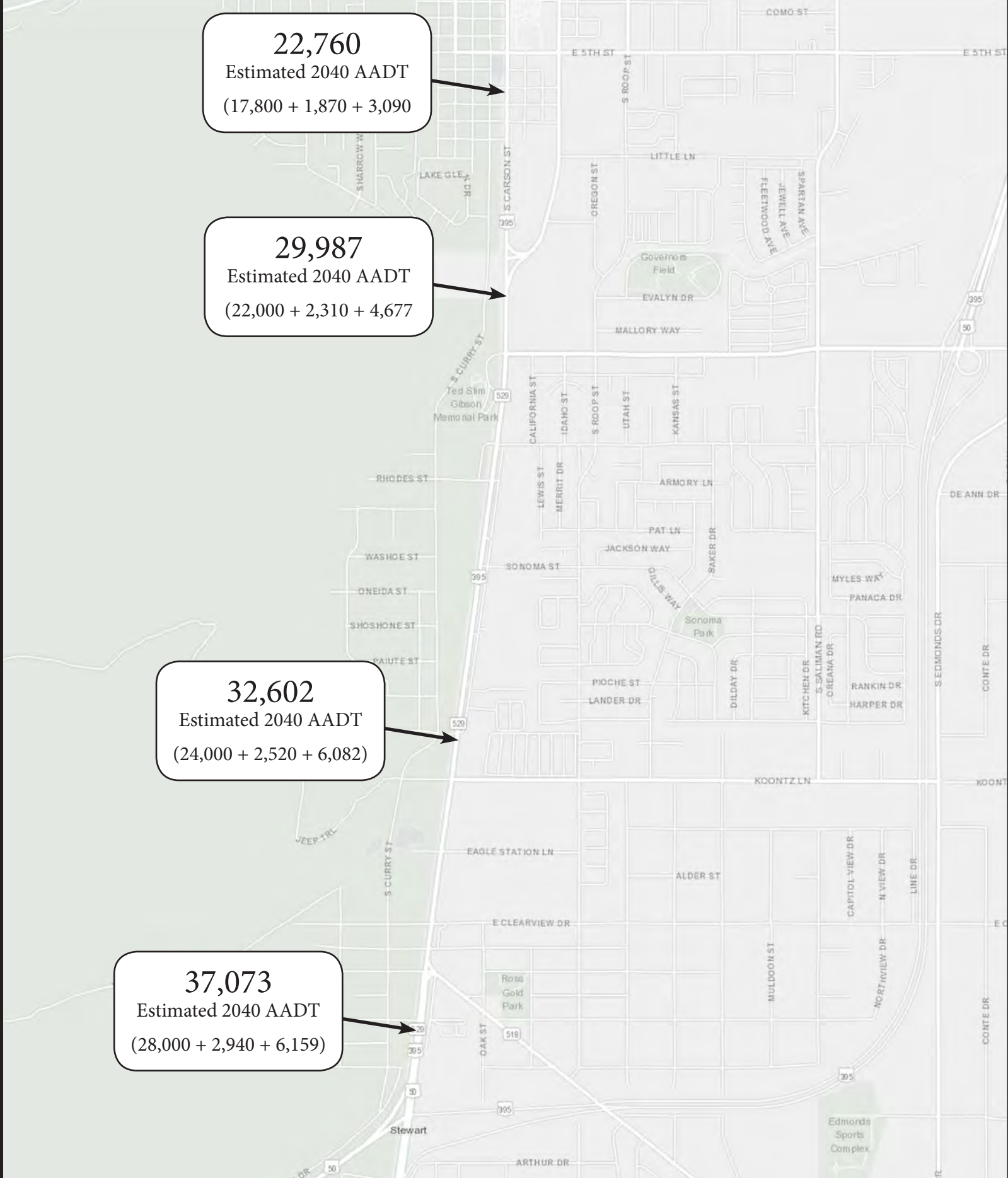
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AM (PM)- Turning Movement Volumes

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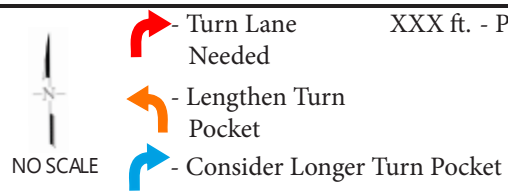
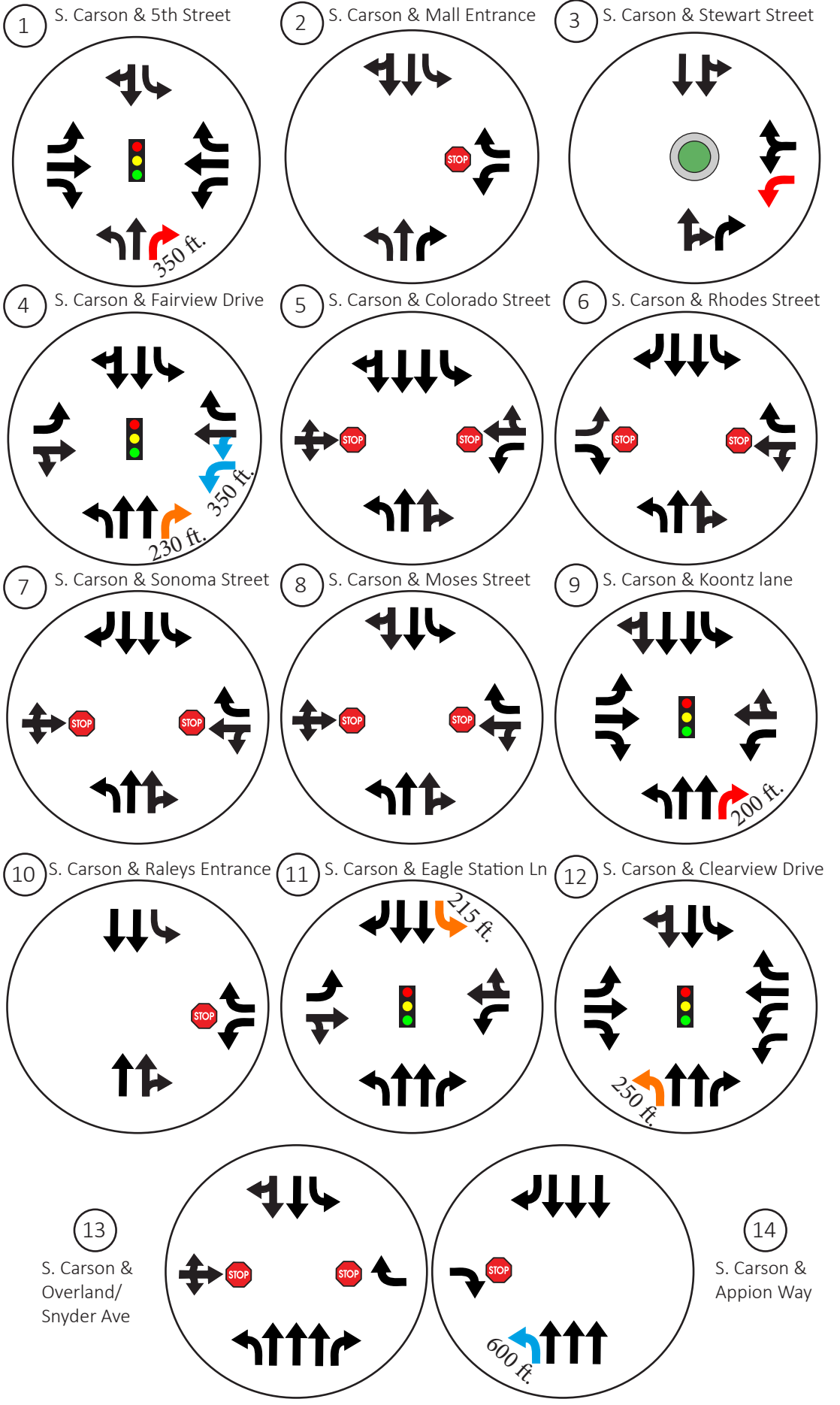


37,073
 Estimated 2040 AADT
 (28,000 + 2,940 + 6,159)

Estimated 2040 AADT
 (NDOT 2017 AADT +
 0.5% Growth to 2040 +
 Development Trips)

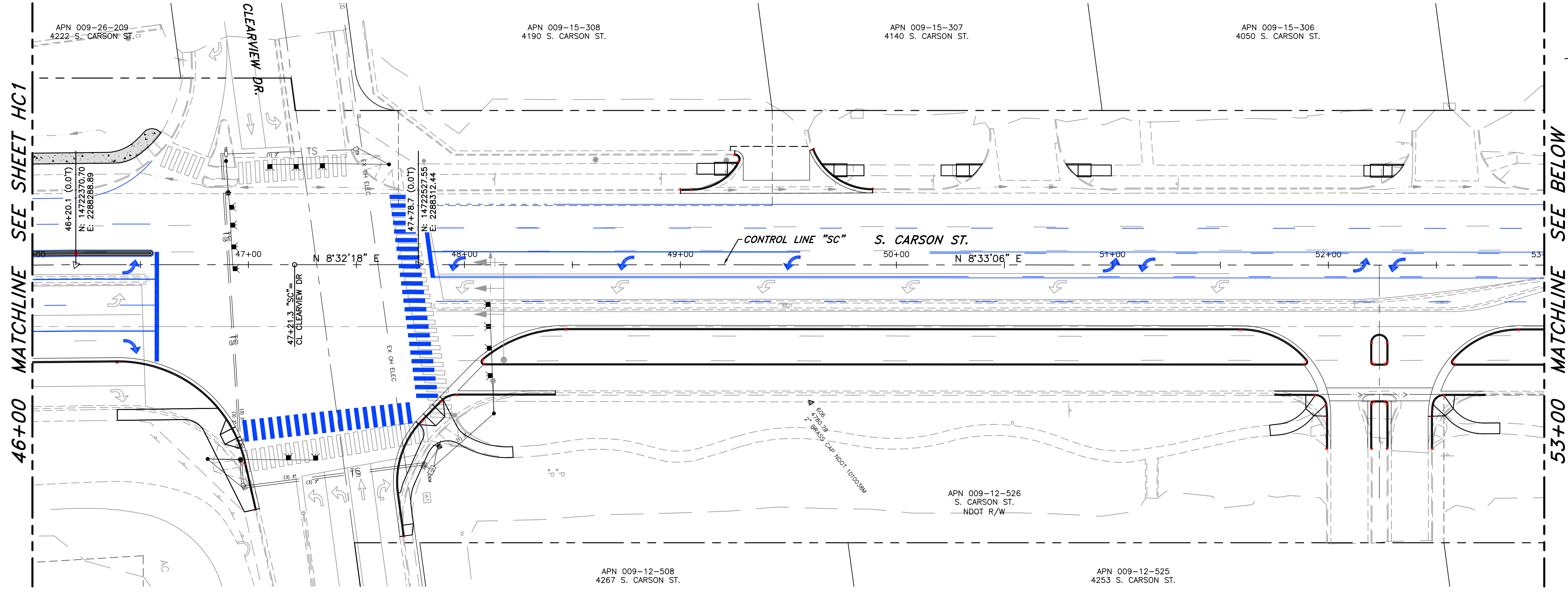
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Figure 15
 S. Carson Street
 Traffic Evaluation
2040 Cumulative Daily Traffic

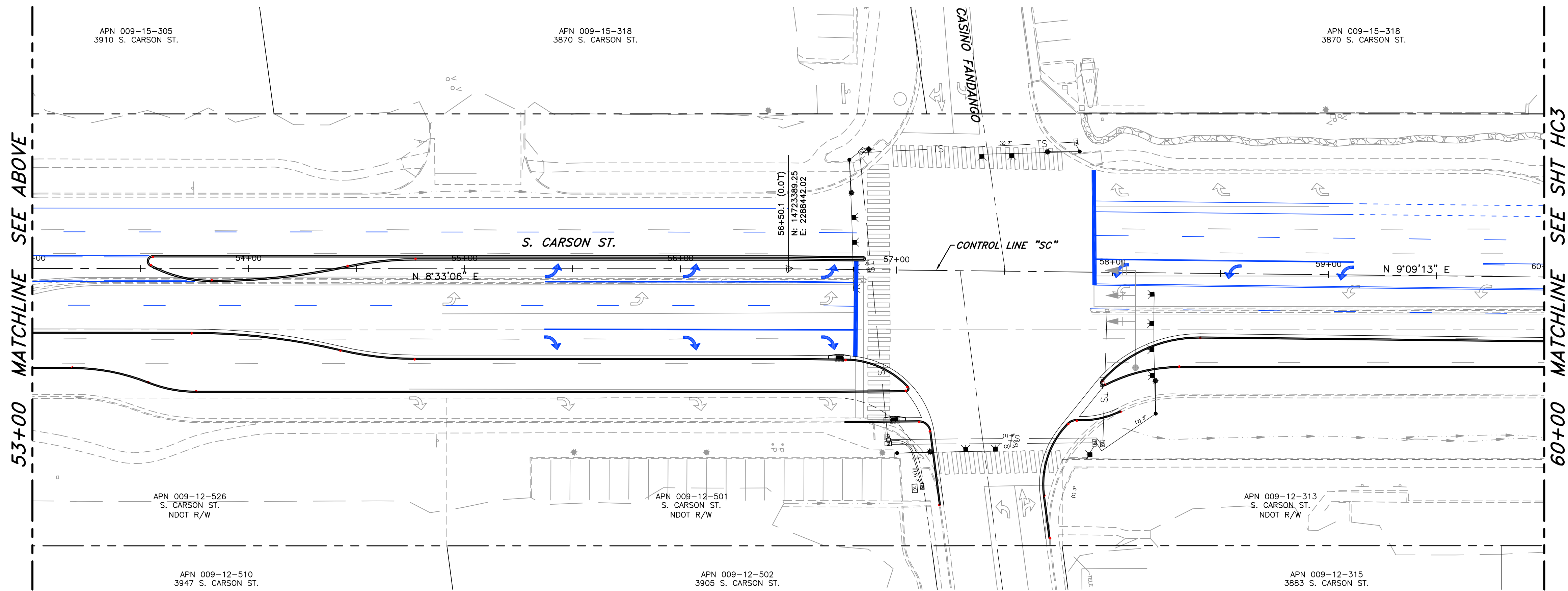
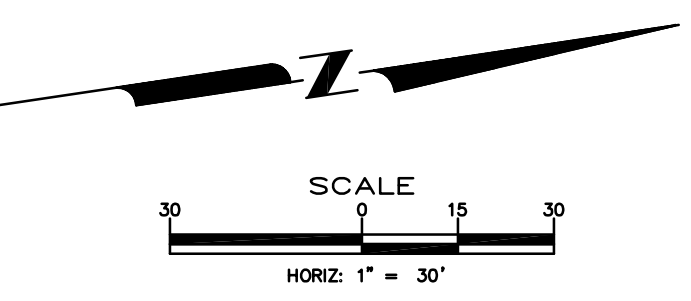


Appendix A

S. Carson Street 30% Plans



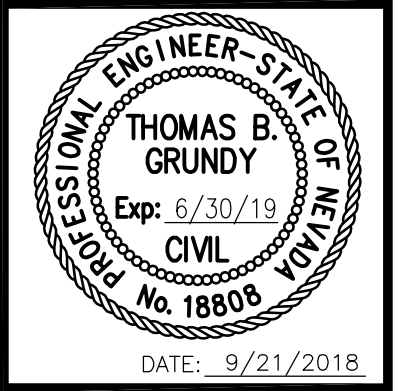
PLAN - S. CARSON STREET
SCALE: 1" = 30'



PLAN - S. CARSON STREET
SCALE: 1" = 30'

DESIGNED BY: DGR/DLO/TBG
 DRAWN BY: DGR/DLO
 CHECKED BY: TBG/DSA
 DWG NO.: 031801-HC-03-1801-01
 SCALE (HORIZ): 1" = 30'
 SCALE (VERT): 1" = 3'
 PLOT DATE: 9/20/18

**CARSON CITY
 PUBLIC WORKS DEPARTMENT**
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 887-2355 FAX: 887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

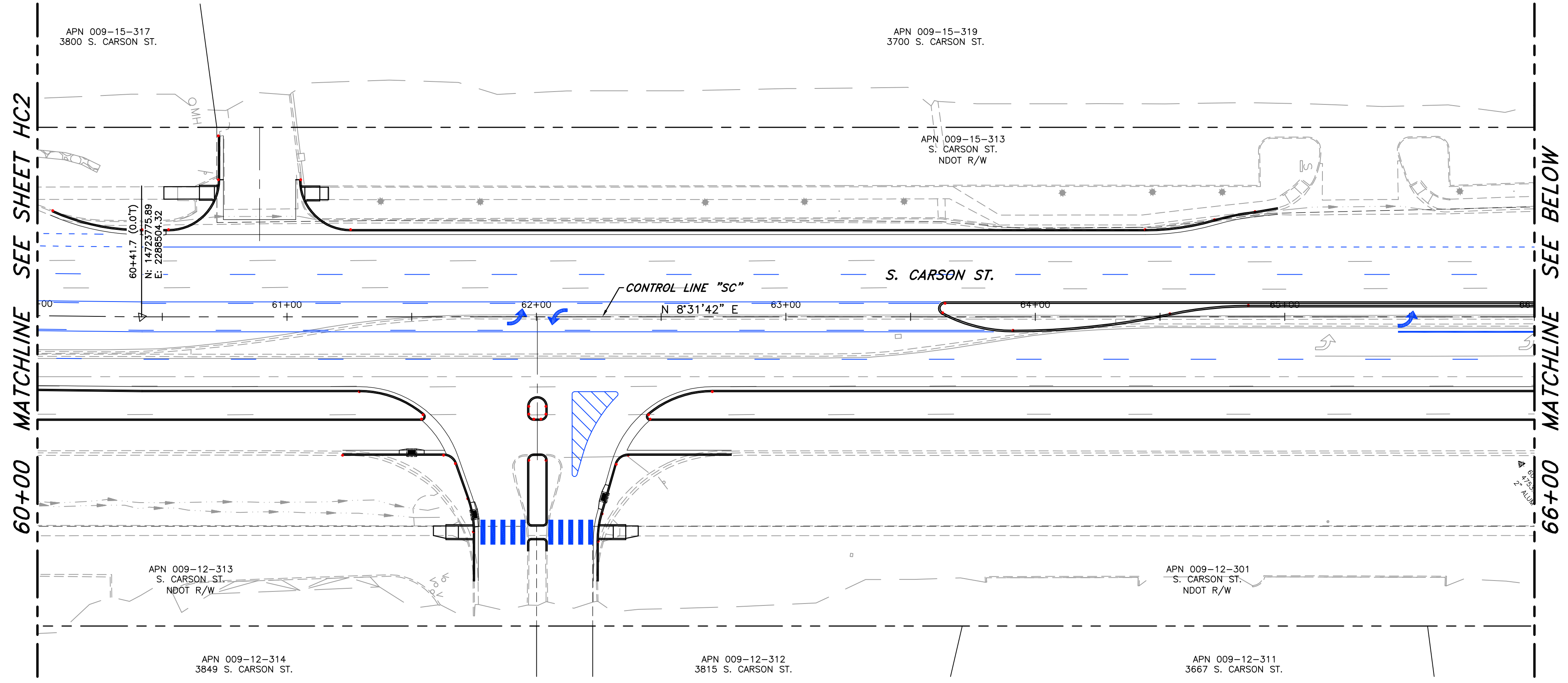
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 RESURFACING & COMPLETE STREET PROJECT**
 PROJECT No. 03-1801
**S. CARSON STREET
 HORIZONTAL CONTROL PLAN**
 STA 46+00 to STA 60+00

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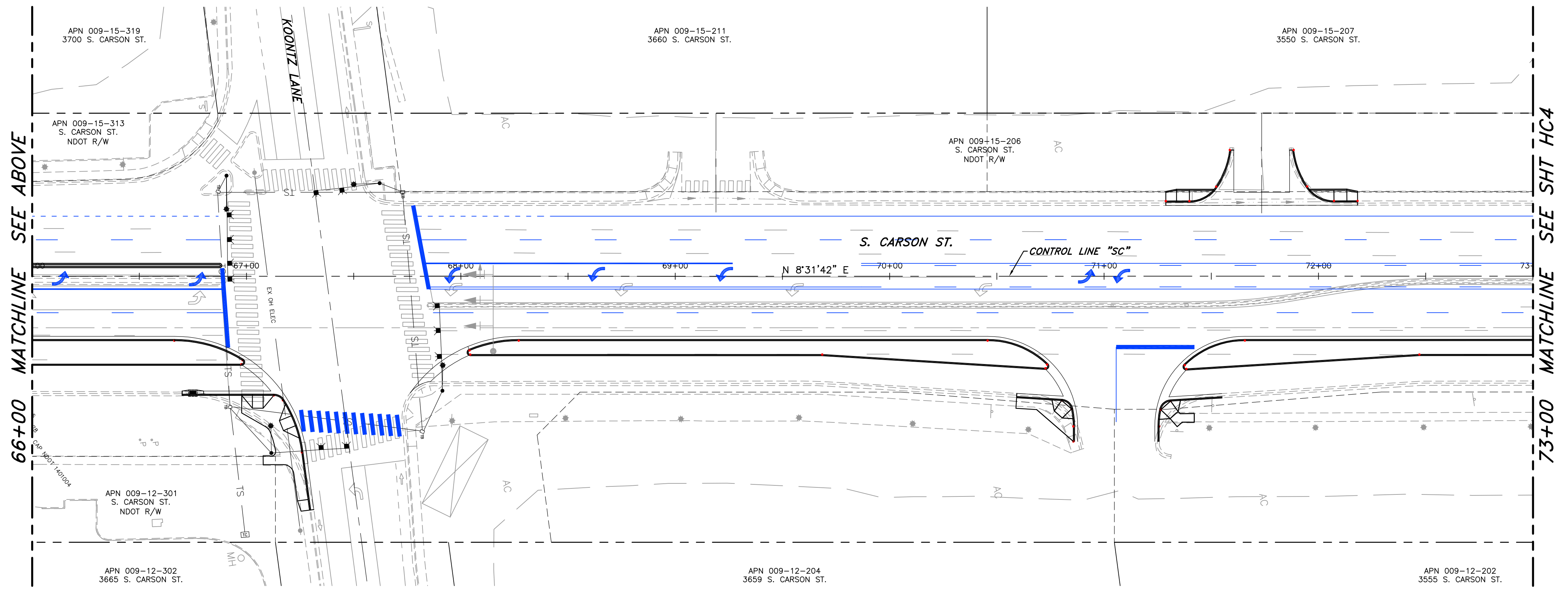
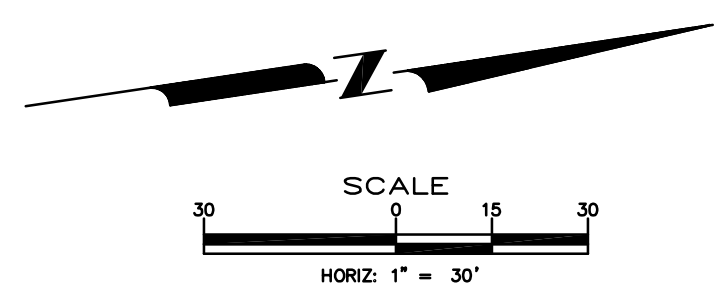


30% REVIEW PLANS

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PLAN - S. CARSON STREET
SCALE: 1" = 30'

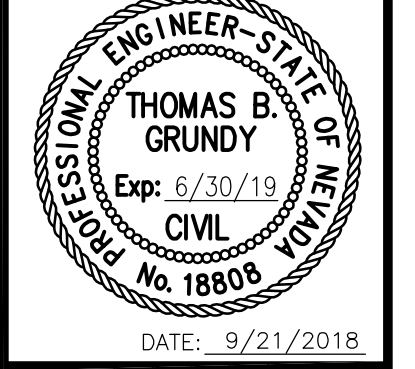


PLAN - S. CARSON STREET
SCALE: 1" = 30'



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DRAWN BY: DGR/DLO
CHECKED BY: TBG/DSA
DWG NO.: 031801-HC.sht
SCALE (HORIZ): 1" = 30'
SCALE (VERT): 1" = 3'
PLOT DATE: 9/20/18

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3505 BUTTI WAY
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PH: 887-2355
FAX: 887-2112



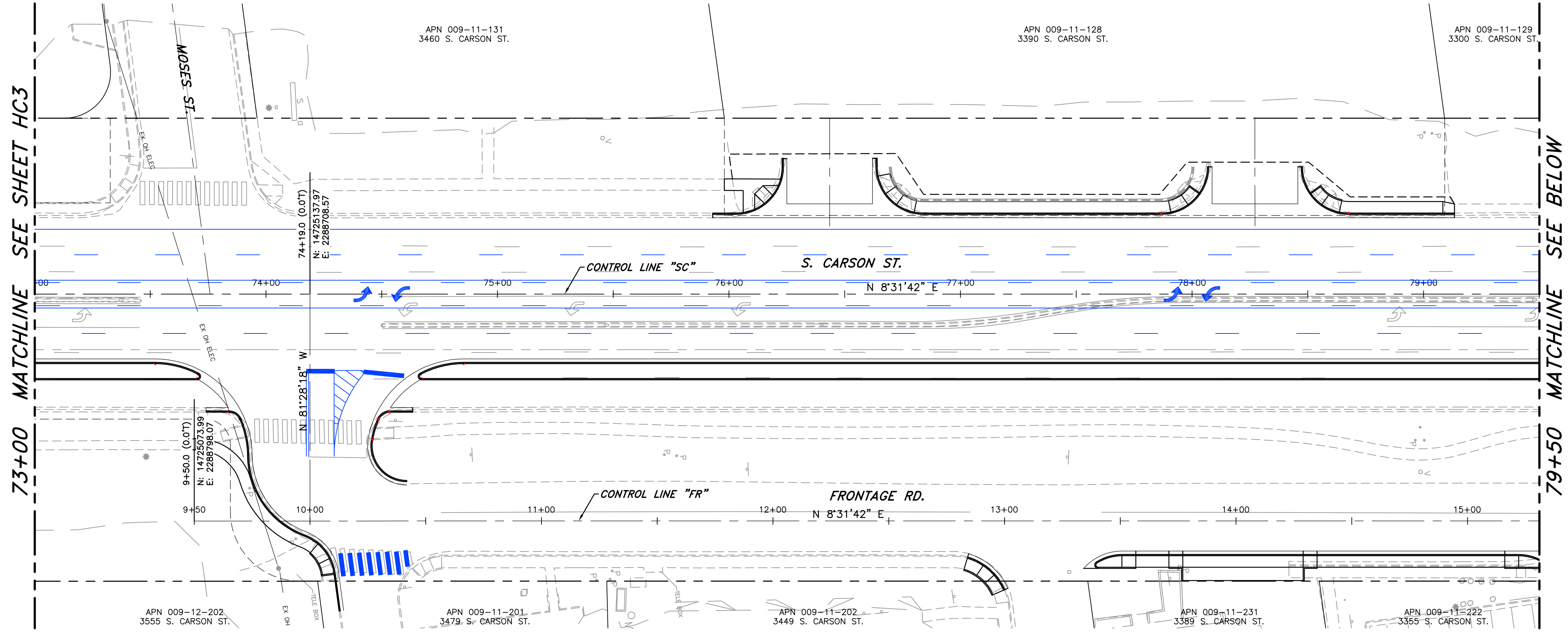
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SOUTH CARSON STREET RESURFACING & COMPLETE STREET PROJECT
PROJECT No. 03-1801
S. CARSON STREET HORIZONTAL CONTROL PLAN
STA 60+00 to STA 73+00

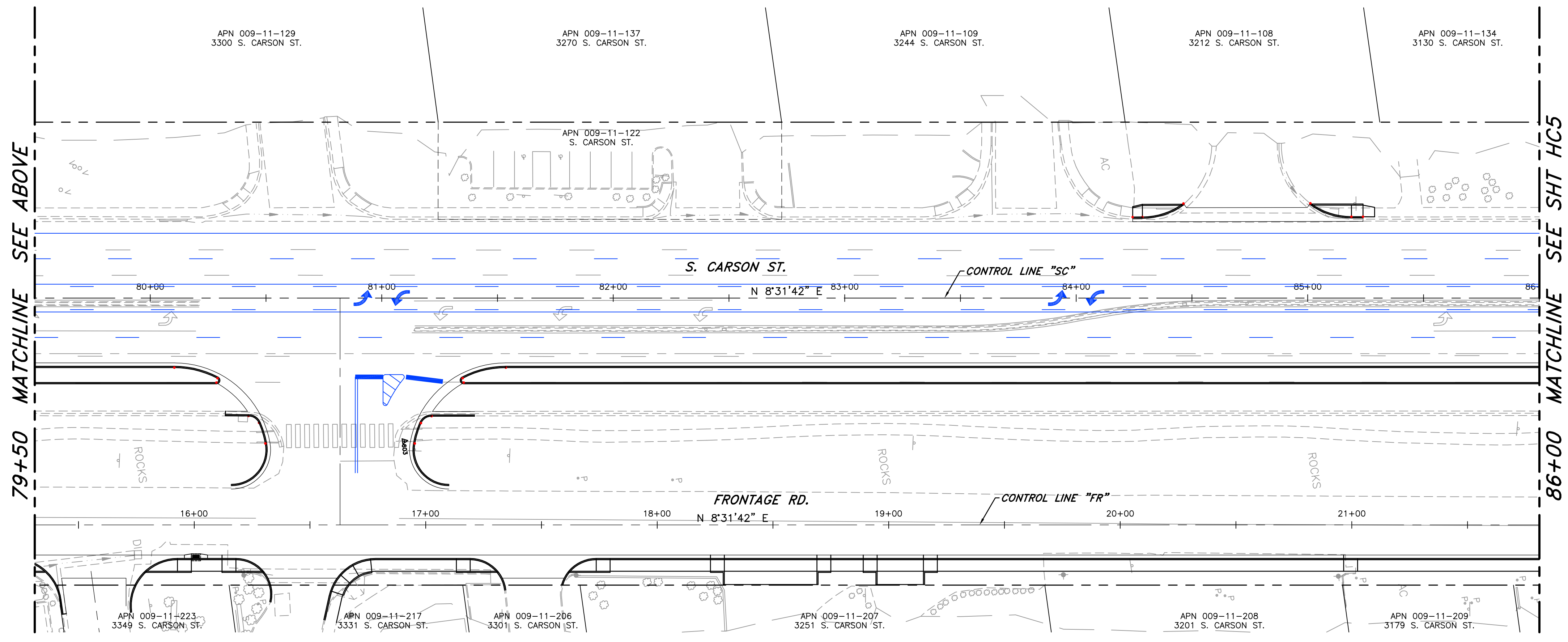
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30% REVIEW PLANS

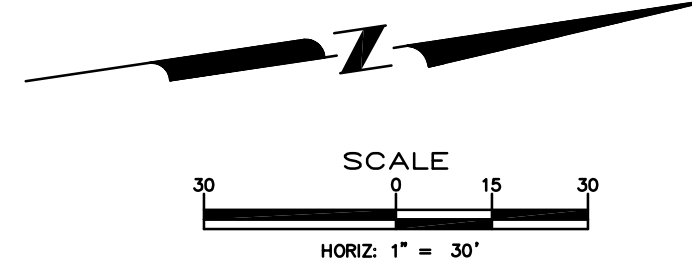
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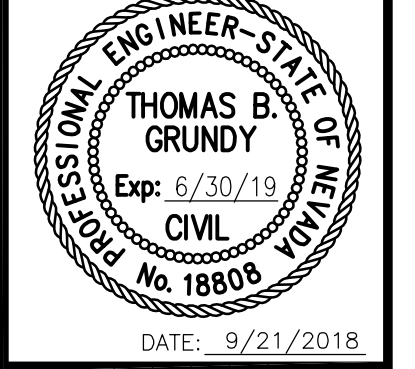


PLAN - S. CARSON STREET
SCALE: 1" = 30'



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 PLOT DATE: 9/20/18

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REV.	DATE	DESCRIPTION	BY	APP'D

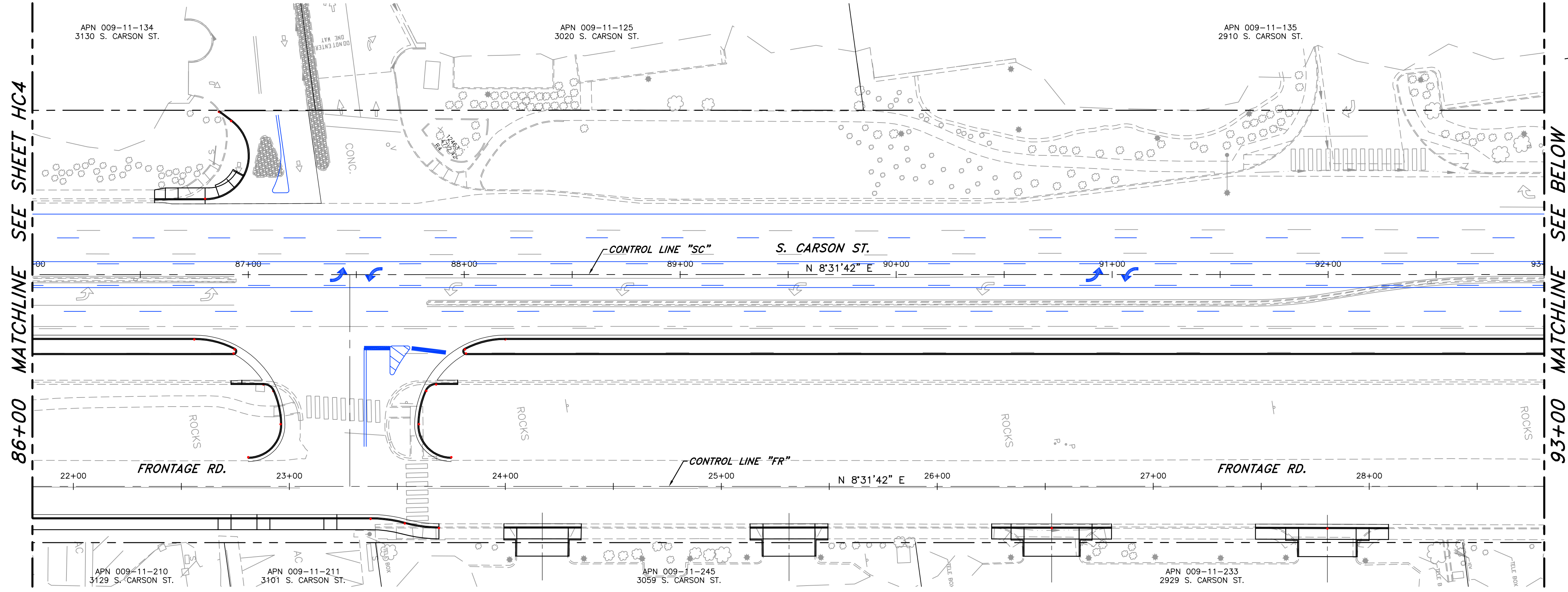
**SOUTH CARSON STREET
 RESURFACING & COMPLETE STREET PROJECT**
 PROJECT No. 03-1801
**S. CARSON STREET
 HORIZONTAL CONTROL PLAN
 STA 73+00 to STA 86+00**



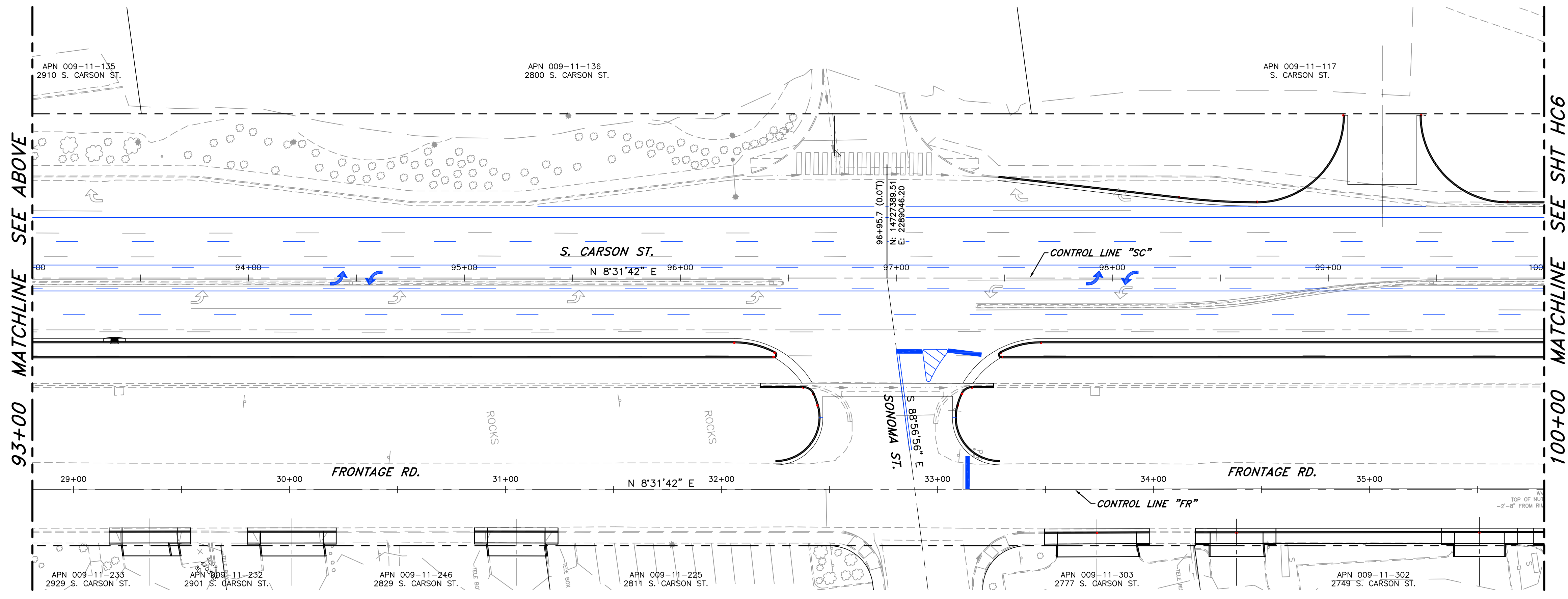
SHEET
HC4
 OF
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30% REVIEW PLANS

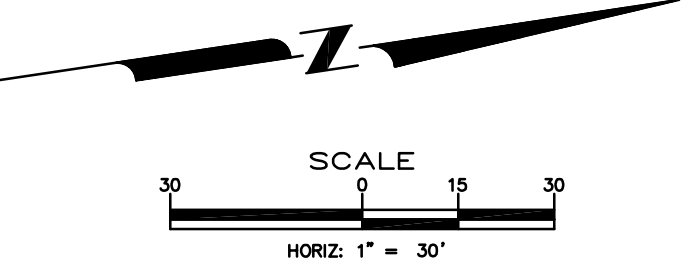
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PLAN - S. CARSON STREET
SCALE: 1" = 30'

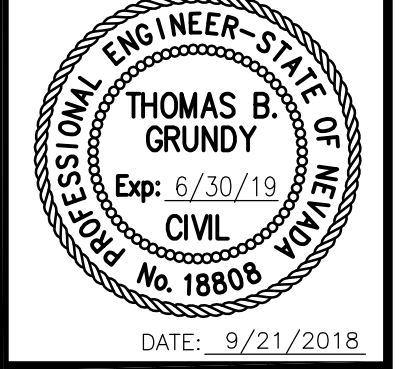


PLAN - S. CARSON STREET
SCALE: 1" = 30'



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DRAWN BY: DGR/DLO
CHECKED BY: TBG/DSA
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SCALE (HORIZ): 1" = 30'
SCALE (VERT): 1" = 3'
PLOT DATE: 9/20/18

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CARSON CITY, NEVADA 89701
PH: 887-2355
FAX: 887-2112



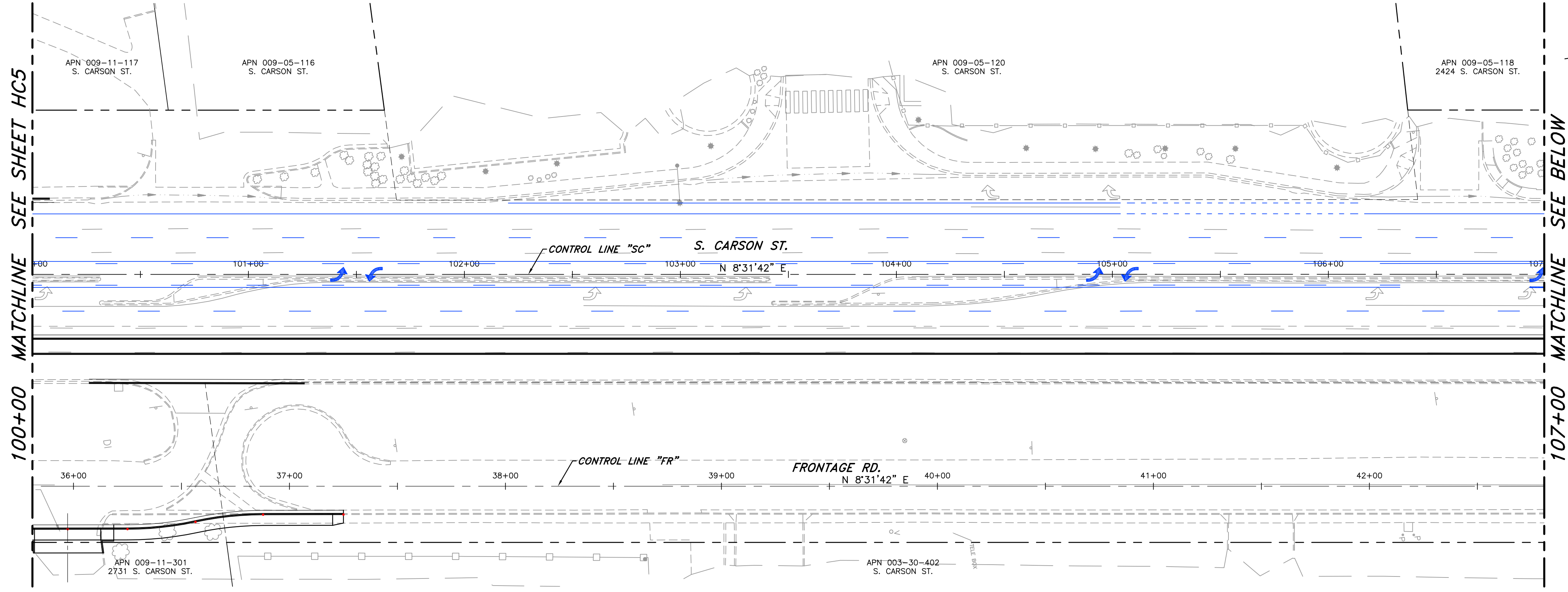
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**SOUTH CARSON STREET
RESURFACING & COMPLETE STREET PROJECT**
PROJECT No. 03-1801
**S. CARSON STREET
HORIZONTAL CONTROL PLAN
STA 86+00 to STA 100+00**

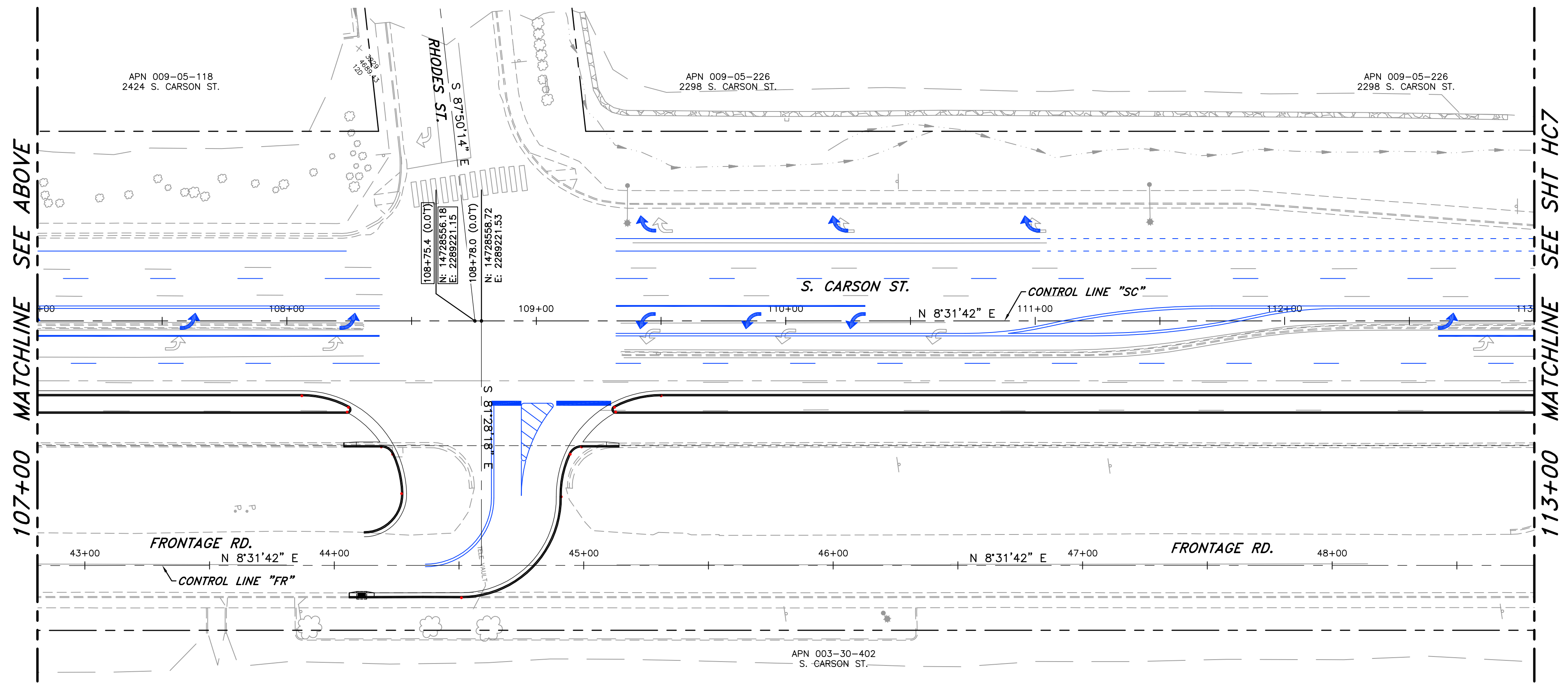
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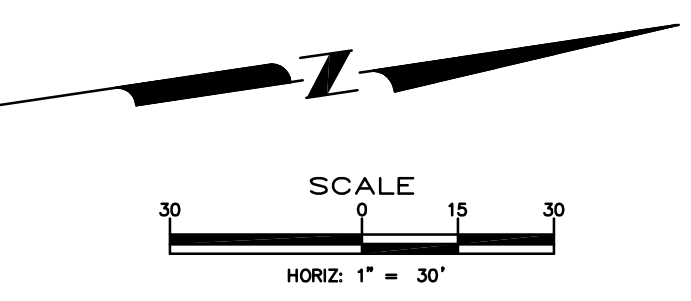
30% REVIEW PLANS



PLAN - S. CARSON STREET
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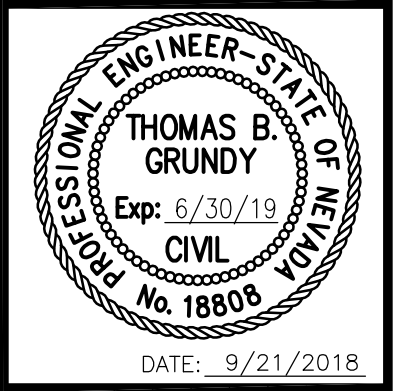


PLAN - S. CARSON STREET
SCALE: 1" = 30'



DESIGNED BY: DGR/DLO/TBG
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 CHECKED BY: TBG/DSA
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 SCALE (HORIZ): 1" = 30'
 SCALE (VERT): 1" = 3'
 PLOT DATE: 9/20/18

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REV.	DATE	DESCRIPTION	BY	APP'D

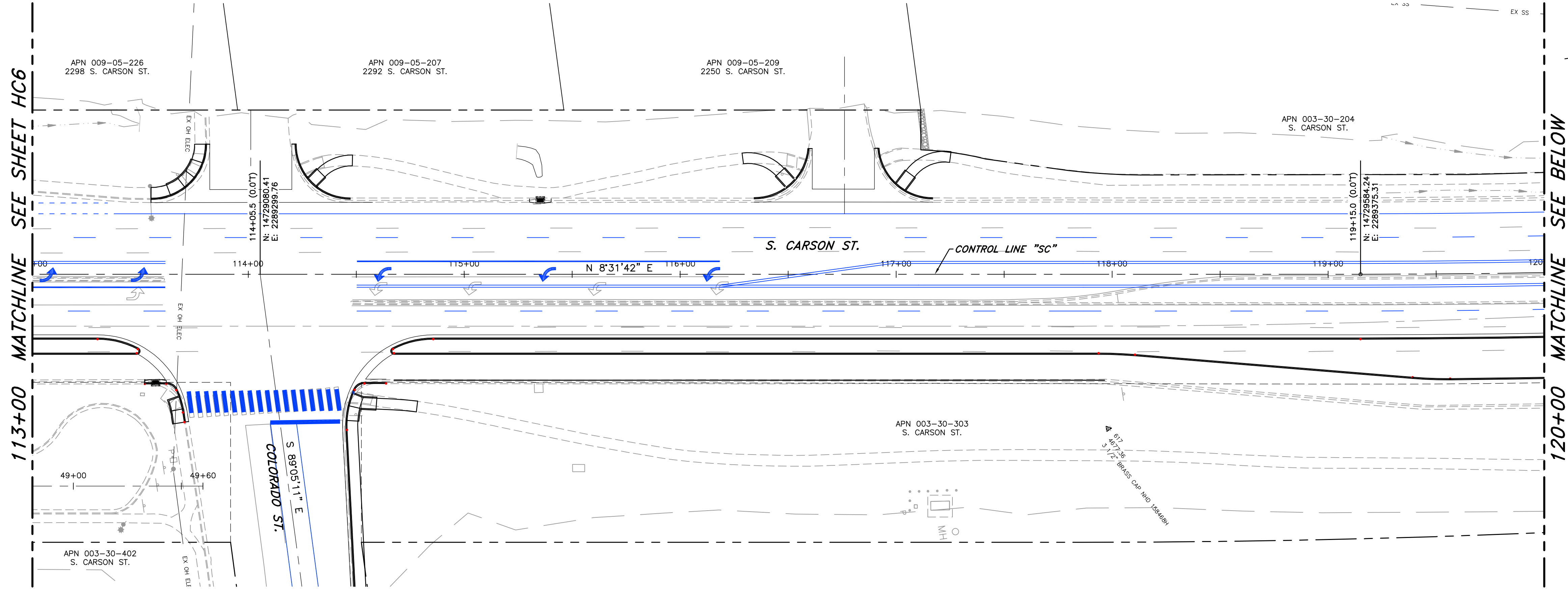
**SOUTH CARSON STREET
 RESURFACING & COMPLETE STREET PROJECT
 PROJECT No. 03-1801**
**S. CARSON STREET
 HORIZONTAL CONTROL PLAN
 STA 100+00 to STA 113+00**

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HC6
 OF
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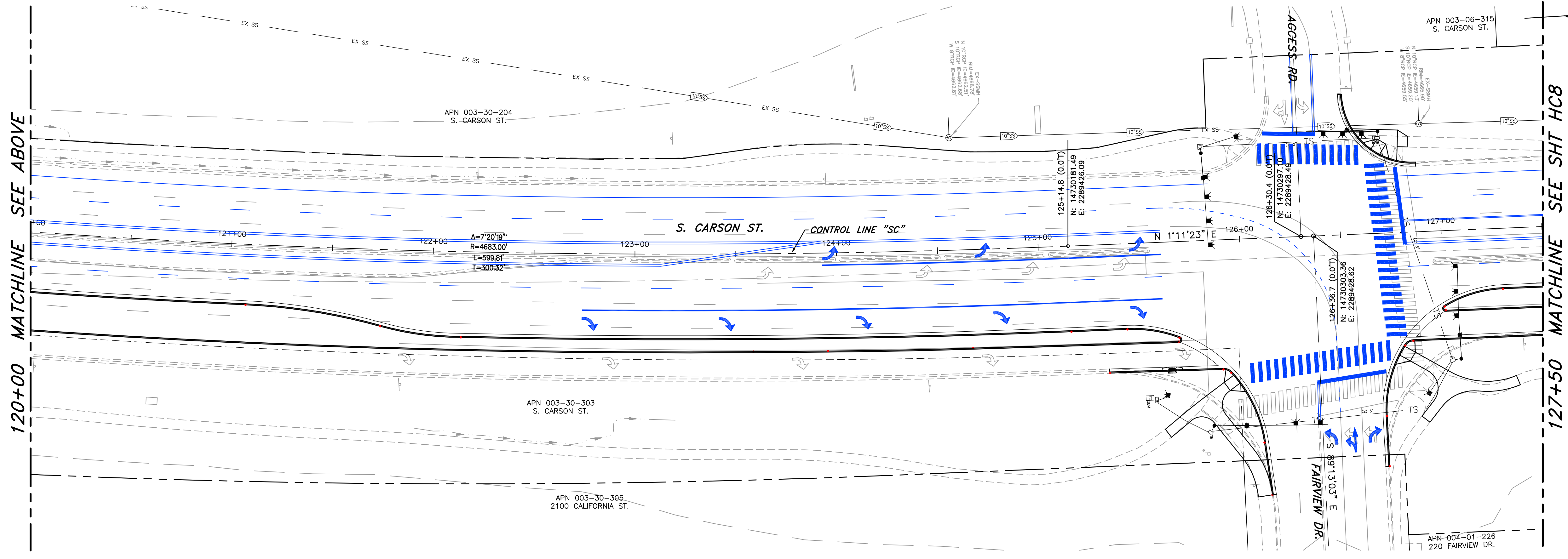


30% REVIEW PLANS

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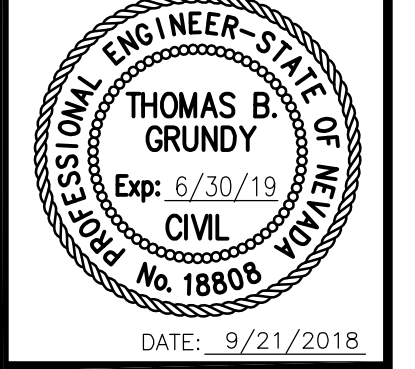
PLAN - S. CARSON STREET
SCALE: 1" = 30'



PLAN - S. CARSON STREET
SCALE: 1" = 30'

DESIGNED BY: DGR/DLO/TBG
 DRAWN BY: DGR/DLO
 CHECKED BY: TBG/DSA
 DWG NO.: 031801-HC-03-1801
 SCALE (HORIZ): 1" = 30'
 SCALE (VERT): 1" = 3'
 PLOT DATE: 9/20/18

**CARSON CITY
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REV.	DATE	DESCRIPTION	BY	APP'D

**SOUTH CARSON STREET
 RESURFACING & COMPLETE STREET PROJECT**
 PROJECT No. 03-1801
**S. CARSON STREET
 HORIZONTAL CONTROL PLAN
 STA 113+00 to STA 127+50**

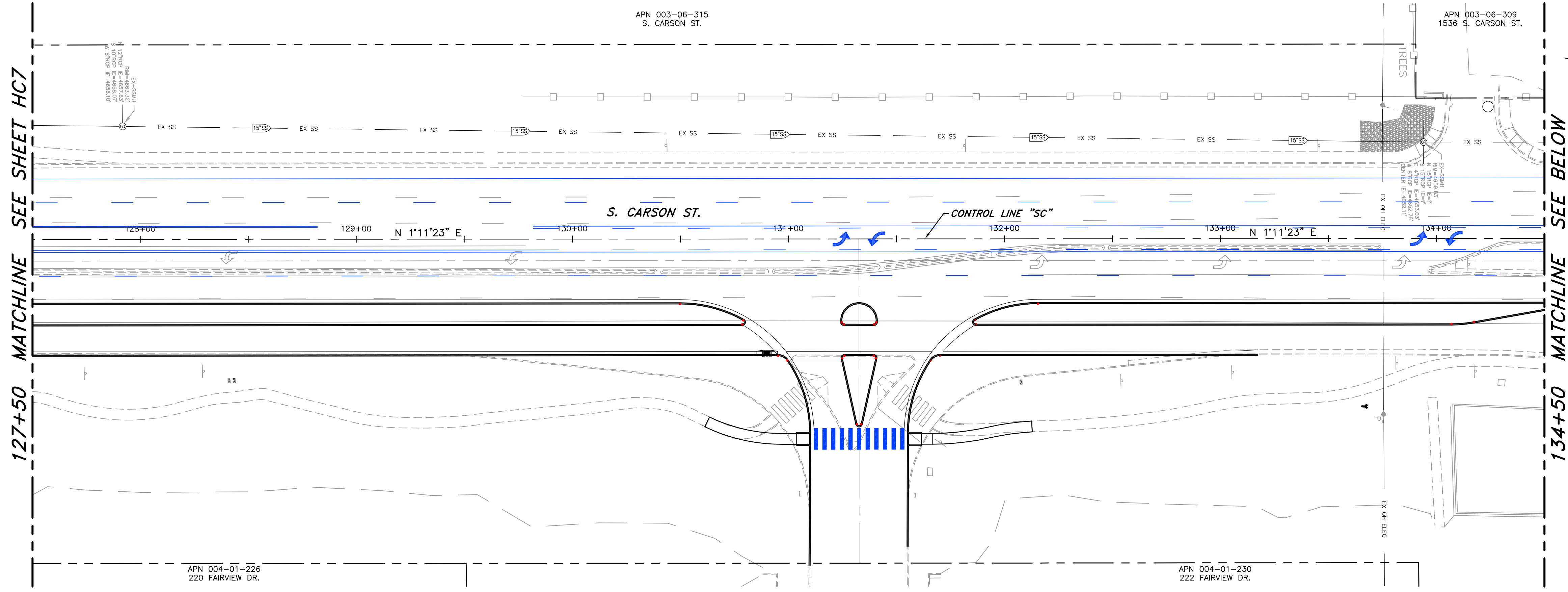
SHEET
HC7
 OF
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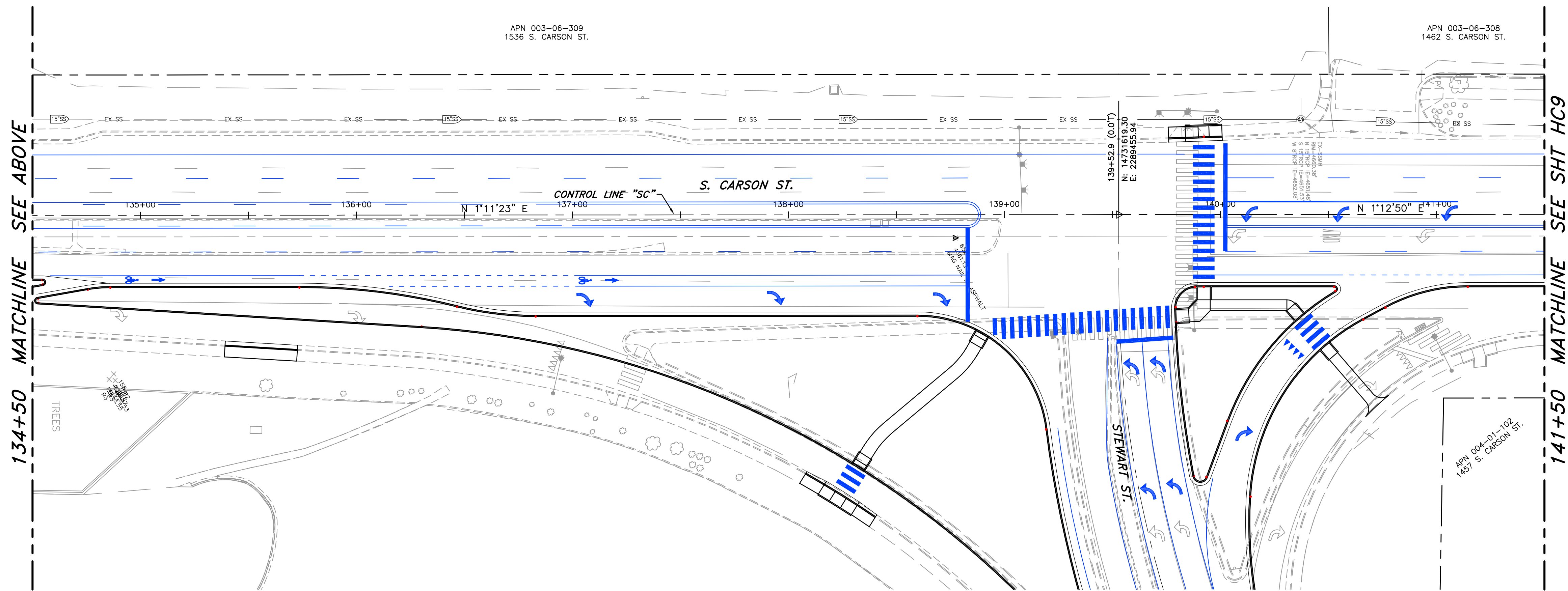
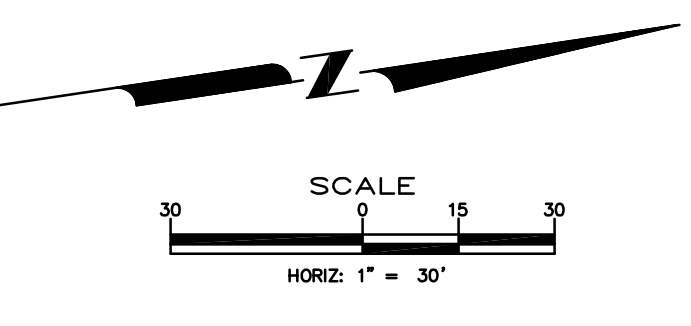
30% REVIEW PLANS

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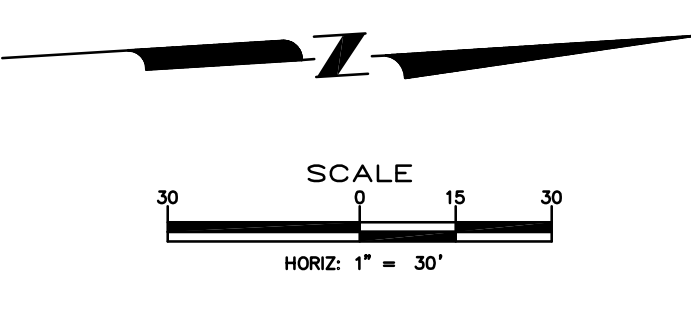
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PLAN - S. CARSON STREET
SCALE: 1" = 30'

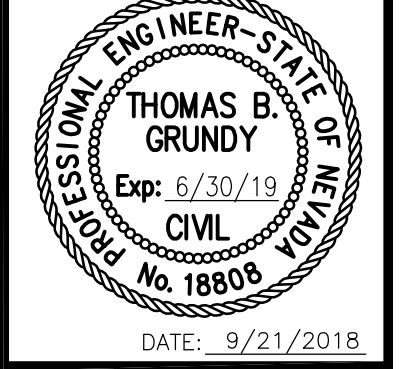


PLAN - S. CARSON STREET
SCALE: 1" = 30'



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SCALE (VERT): 1" = 3'
PLOT DATE: 9/20/18

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REV.	DATE	DESCRIPTION	BY	APP'D

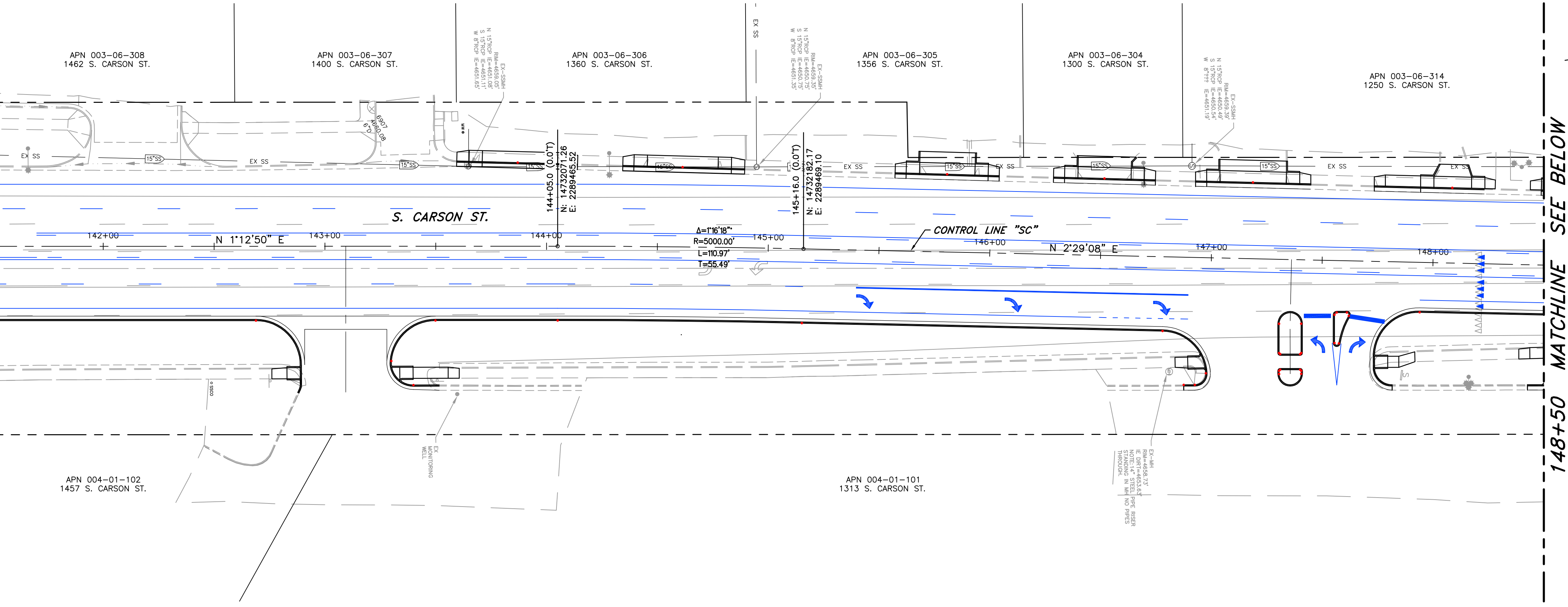
**SOUTH CARSON STREET
RESURFACING & COMPLETE STREET PROJECT**
PROJECT No. 03-1801
**S. CARSON STREET
HORIZONTAL CONTROL PLAN**
STA 127+50 to STA 141+50

SHEET
HC8
OF
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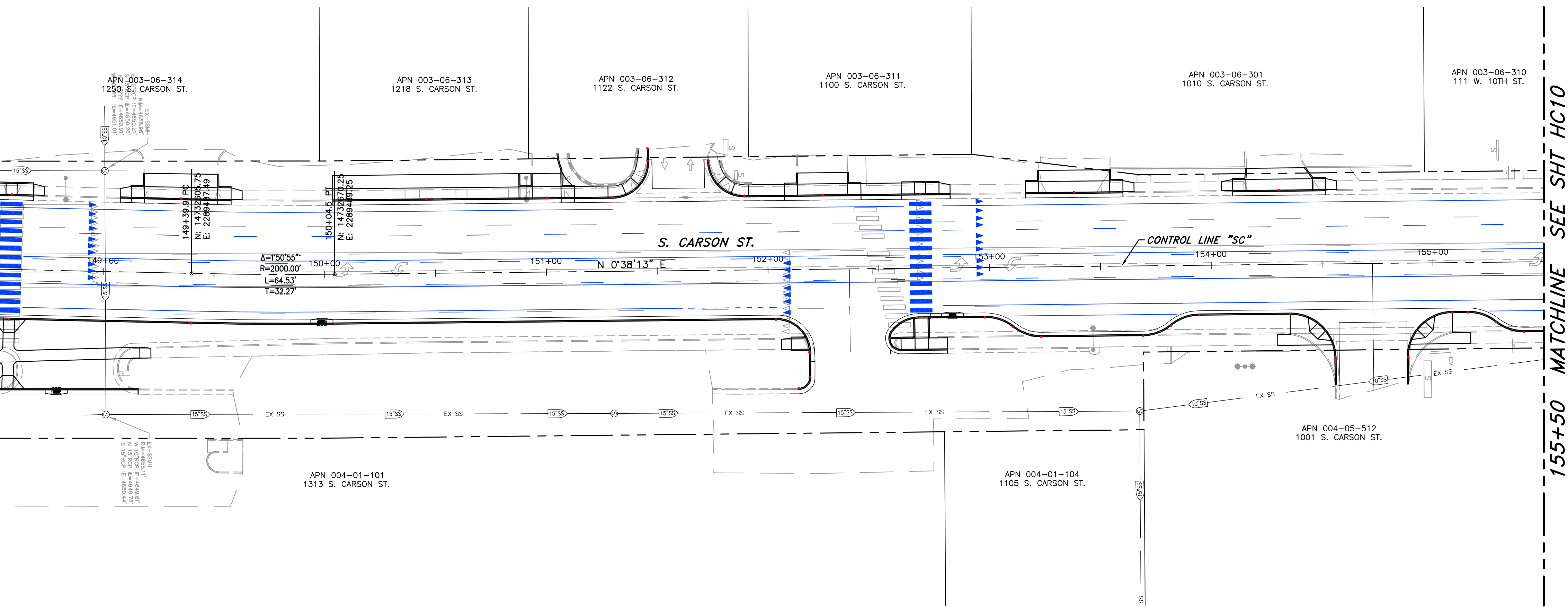
30% REVIEW PLANS

141+50 MATCHLINE SEE SHEET HC8



PLAN - S. CARSON STREET
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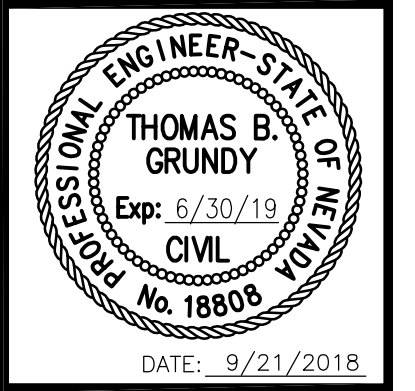
148+50 MATCHLINE SEE ABOVE



PLAN - S. CARSON STREET
SCALE: 1" = 30'

DESIGNED BY: DGR/DLO/TBG
 DRAWN BY: DGR/DLO
 CHECKED BY: TBG/DSA
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 PLOT DATE: 9/20/18

CARSON CITY
 PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 887-2355 FAX: 887-2112



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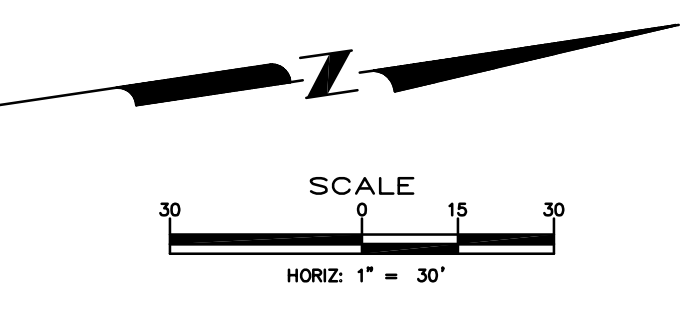
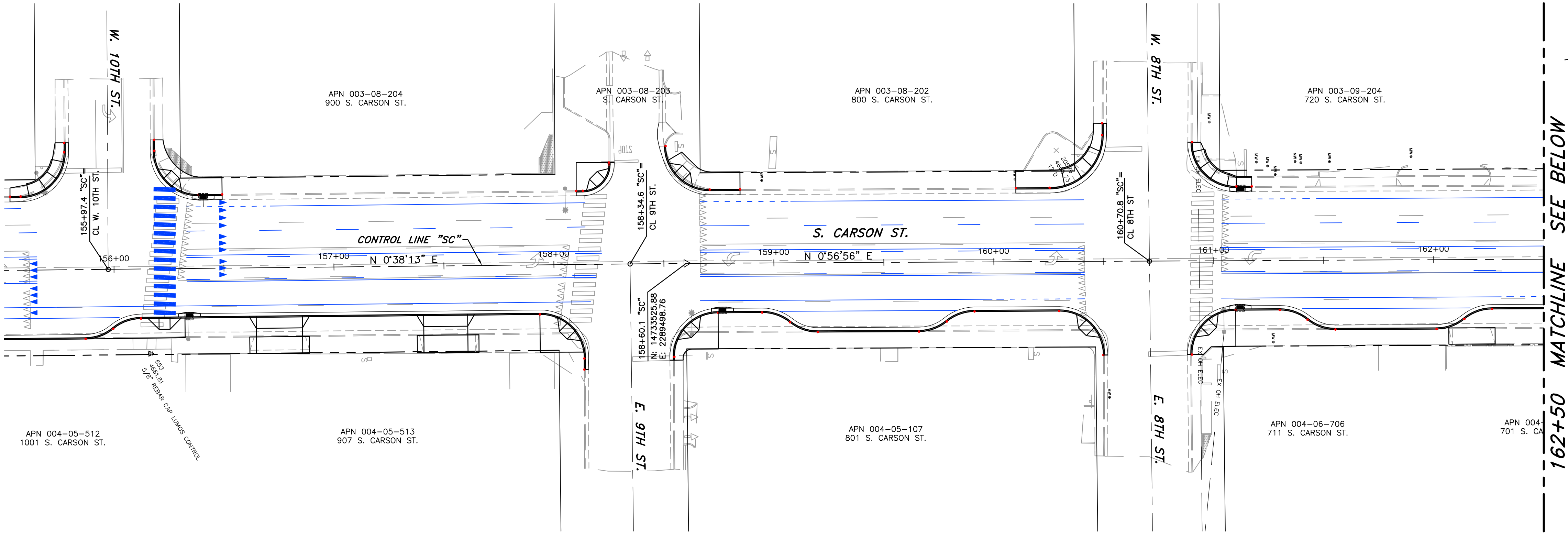
SOUTH CARSON STREET
 RESURFACING & COMPLETE STREET PROJECT
 PROJECT No. 03-1801
 S. CARSON STREET
 HORIZONTAL CONTROL PLAN
 STA 141+50 to STA 155+50

SHEET
HC9
 OF
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30% REVIEW PLANS

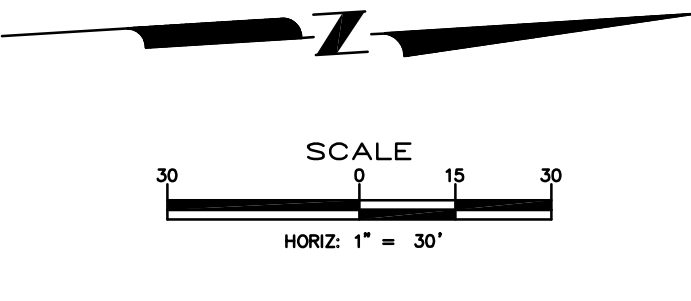
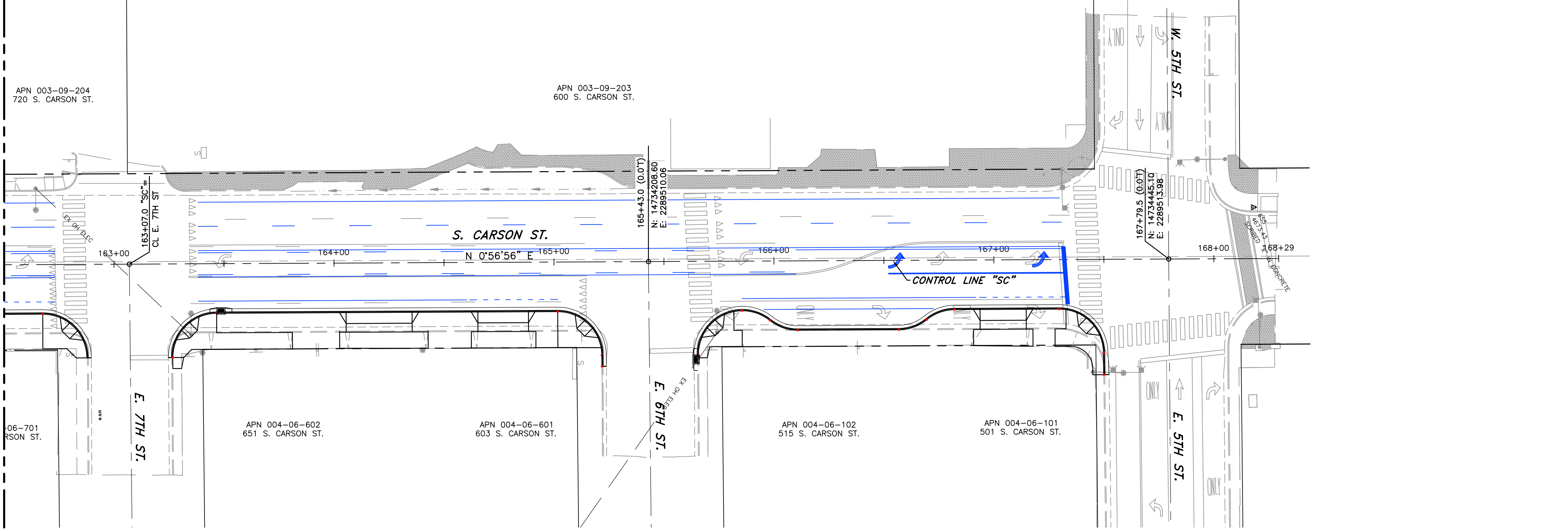
155+50 MATCHLINE SEE SHEET HC9



PLAN - S. CARSON STREET

SCALE: 1" = 30'

162+50 MATCHLINE SEE ABOVE

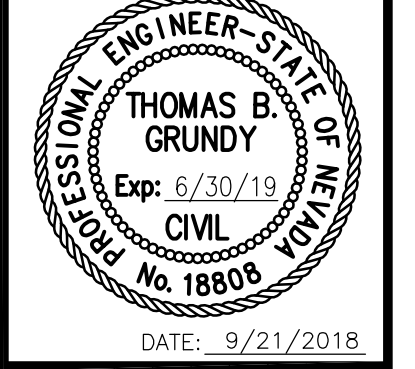


PLAN - S. CARSON STREET

SCALE: 1" = 30'

DESIGNED BY: DGR/DLO/TBG
 DRAWN BY: DGR/DLO
 CHECKED BY: TBG/DSA
 DWG NO.: 031801-16.dwg
 SCALE (HORIZ): 1" = 30'
 SCALE (VERT): 1" = 3'
 PLOT DATE: 9/20/18

CARSON CITY PUBLIC WORKS DEPARTMENT
 3505 BUTTI WAY CARSON CITY, NEVADA 89701
 PH: 887-2355 FAX: 887-2112



REV.	DATE	DESCRIPTION	BY	APP'D

SOUTH CARSON STREET RESURFACING & COMPLETE STREET PROJECT
 PROJECT No. 03-1801
S. CARSON STREET HORIZONTAL CONTROL PLAN
 STA 155+50 to STA 168+00

SHEET **HC10** OF *****

30% REVIEW PLANS



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Appendix B

Existing Conditions LOS Calculations

Existing Conditions - S. Carson Street						
ID	Intersection Name	Intersection Control	AM Peak		PM Peak	
			LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)
1	S. Carson & 5th Street	Signalized				
	Overall		B	13.8	B	16.4
2	S. Carson & Mall Entrance	Side Street STOP				
	Overall			0.4		0.4
	Westbound		C	15.3	C	16.0
3	S. Carson & Stewart Street	Signalized				
	Overall		B	10.4	B	19.8
4	S. Carson & Fairview Drive	Signalized				
	Overall		C	26.2	C	31.2
5	S. Carson & Colorado Street	Side Street STOP				
	Overall			1.6		1.4
	Eastbound		D	29.8	F	72.5
	Westbound		C	23.6	E	39.3
6	S. Carson & Rhodes Street	Side Street STOP				
	Overall			2.0		3.9
	Eastbound		D	32.4	F	79.2
	Westbound		F	65.9	F	100.7
7	S. Carson & Sonoma Street	Side Street STOP				
	Overall			1.6		1.4
	Eastbound		D	29.9	E	44.3
	Westbound		C	18.9	C	20.7
8	S. Carson & Moses Street	Side Street STOP				
	Overall			0.3		0.8
	Eastbound		B	13.6	D	26.3
	Westbound		E	39.5	E	40.9
9	S. Carson & Koontz Lane	Signalized				
	Overall		D	36.1	C	29.6
10	S. Carson & Raleys Entrance	Side Street STOP				
	Overall			0.1		0.2
	Westbound Right		B	14.9	C	15.4
11	S. Carson & Eagle Station Lane	Signalized				
	Overall		B	19.4	B	14.2
12	S. Carson & Clearview Drive	Signalized				
	Overall		C	32.1	C	33.5
13	S. Carson & Overland/Snyder Ave*	Side Street STOP				
	Overall			1.4		2.2
	Eastbound		A	3.9	B	14.4
	Westbound		A	3.4	A	4.8
14	S. Carson & Appion Way*	Side Street STOP				
	Overall			1.5		3.7
	Eastbound Right		A	3.5	B	13.9

*Movement Delay based on SimTraffic Microsimulation

Source: Headway Transportation, 2019

HCM Signalized Intersection Capacity Analysis

7: Fairview Drive

Existing Conditions - AM Peak Hour 04/03/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	2	0	233	0	73	0	842	106	64	511	2
Future Volume (vph)	0	2	0	233	0	73	0	842	106	64	511	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		6.5		6.5	6.5			6.5	6.5	6.5	6.5	
Lane Util. Factor		1.00		0.91	0.91			0.91	1.00	1.00	0.91	
Flt		1.00		1.00	0.89			1.00	0.85	1.00	1.00	
Flt Protected		1.00		0.95	0.99			1.00	1.00	0.95	1.00	
Satd. Flow (prot)		1863		3221	1484			5085	1583	1770	5082	
Flt Permitted		1.00		0.95	0.99			1.00	1.00	0.95	1.00	
Satd. Flow (perm)		1863		3221	1484			5085	1583	1770	5082	
Peak-hour factor, PHF	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%
Adj. Flow (vph)	0	2	0	291	0	91	0	1052	132	80	639	2
RTOR Reduction (vph)	0	0	0	0	106	0	0	0	49	0	0	0
Lane Group Flow (vph)	0	3	0	262	14	0	0	1053	84	80	642	0
Turn Type	Split	NA		Split	NA		Prot	NA	Prot	Prot	NA	
Protected Phases	4	4		8	8		5	2	2	1	6	
Permitted Phases												
Actuated Green, G (s)		1.3		18.4	18.4			101.6	101.6	12.7	120.8	
Effective Green, g (s)		1.3		18.4	18.4			101.6	101.6	12.7	120.8	
Actuated g/C Ratio		0.01		0.11	0.11			0.63	0.63	0.08	0.75	
Clearance Time (s)		6.5		6.5	6.5			6.5	6.5	6.5	6.5	
Vehicle Extension (s)		3.0		3.0	3.0			3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)		15		370	170			3228	1005	140	3836	
v/s Ratio Prot		c0.00		c0.08	0.01			c0.21	0.05	c0.05	0.13	
v/s Ratio Perm												
v/c Ratio		0.20		0.71	0.08			0.33	0.08	0.57	0.17	
Uniform Delay, d1		78.8		68.2	63.2			13.4	11.3	71.0	5.5	
Progression Factor		1.00		1.00	1.00			1.28	4.15	0.88	0.74	
Incremental Delay, d2		6.5		6.1	0.2			0.3	0.2	5.5	0.1	
Delay (s)		85.3		74.3	63.5			17.5	46.8	68.3	4.2	
Level of Service		F		E	E			B	D	E	A	
Approach Delay (s)		85.3			70.9			20.8			11.3	
Approach LOS		F			E			C			B	
Intersection Summary												
HCM 2000 Control Delay			26.2			HCM 2000 Level of Service			C			
HCM 2000 Volume to Capacity ratio			0.40									
Actuated Cycle Length (s)			160.0			Sum of lost time (s)		26.0				
Intersection Capacity Utilization			50.2%			ICU Level of Service		A				
Analysis Period (min)			15									
c Critical Lane Group												













HCM 2010 Signalized Intersection Summary
 1: S. Carson St/S Carson Street & 5th Street

Existing Conditions - AM Peak Hour 01/31/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	33	140	52	34	132	23	44	323	17	12	247	11
Future Volume (veh/h)	33	140	52	34	132	23	44	323	17	12	247	11
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	41	175	65	42	165	29	55	404	21	15	309	14
Adj No. of Lanes	1	1	1	1	1	1	1	1	1	1	1	0
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84	0.84
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	130	287	244	120	287	244	829	1471	1251	802	1397	63
Arrive On Green	0.15	0.15	0.15	0.15	0.15	0.15	1.00	1.00	1.00	0.79	0.79	0.79
Sat Flow, veh/h	1184	1863	1583	1135	1863	1583	1052	1863	1583	958	1768	80
Grp Volume(v), veh/h	41	175	65	42	165	29	55	404	21	15	0	323
Grp Sat Flow(s),veh/h/ln	1184	1863	1583	1135	1863	1583	1052	1863	1583	958	0	1849
Q Serve(g_s), s	5.3	14.0	5.8	5.7	13.2	2.5	0.5	0.0	0.0	0.5	0.0	7.1
Cycle Q Clear(g_c), s	18.5	14.0	5.8	19.8	13.2	2.5	7.6	0.0	0.0	0.5	0.0	7.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.04
Lane Grp Cap(c), veh/h	130	287	244	120	287	244	829	1471	1251	802	0	1460
V/C Ratio(X)	0.32	0.61	0.27	0.35	0.58	0.12	0.07	0.27	0.02	0.02	0.00	0.22
Avail Cap(c_a), veh/h	329	600	510	311	600	510	829	1471	1251	802	0	1460
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	71.4	63.2	59.7	72.4	62.8	58.3	0.2	0.0	0.0	3.6	0.0	4.3
Incr Delay (d2), s/veh	1.4	2.1	0.6	1.7	1.8	0.2	0.2	0.5	0.0	0.0	0.0	0.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.8	7.4	2.6	1.9	6.9	1.1	0.2	0.2	0.0	0.2	0.0	3.7
LnGrp Delay(d),s/veh	72.8	65.3	60.3	74.2	64.7	58.6	0.4	0.5	0.0	3.6	0.0	4.6
LnGrp LOS	E	E	E	E	E	E	A	A	A	A		A
Approach Vol, veh/h		281			236			480				338
Approach Delay, s/veh		65.2			65.6			0.4				4.6
Approach LOS		E			E			A				A
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		130.9		29.1		130.9		29.1				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		99.5		51.5		99.5		51.5				
Max Q Clear Time (g_c+I1), s		9.6		20.5		9.1		21.8				
Green Ext Time (p_c), s		6.2		2.9		6.2		2.8				
Intersection Summary												
HCM 2010 Ctrl Delay				26.6								
HCM 2010 LOS				C								























HCM 2010 Signalized Intersection Summary
 2: S Stewart St & S. Carson St

Existing Conditions - AM Peak Hour 01/31/2019

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	136	9	580	351	7	408		
Future Volume (veh/h)	136	9	580	351	7	408		
Number	3	18	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	168	0	716	0	9	504		
Adj No. of Lanes	2	1	2	1	1	2		
Peak Hour Factor	0.85	0.85	0.85	0.85	0.85	0.85		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	220	101	3114	1393	689	3114		
Arrive On Green	0.06	0.00	1.00	0.00	1.00	1.00		
Sat Flow, veh/h	3442	1583	3632	1583	732	3632		
Grp Volume(v), veh/h	168	0	716	0	9	504		
Grp Sat Flow(s),veh/h/ln	1721	1583	1770	1583	732	1770		
Q Serve(g_s), s	7.7	0.0	0.0	0.0	0.0	0.0		
Cycle Q Clear(g_c), s	7.7	0.0	0.0	0.0	0.0	0.0		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	220	101	3114	1393	689	3114		
V/C Ratio(X)	0.76	0.00	0.23	0.00	0.01	0.16		
Avail Cap(c_a), veh/h	828	381	3114	1393	689	3114		
HCM Platoon Ratio	1.00	1.00	2.00	2.00	2.00	2.00		
Upstream Filter(l)	1.00	0.00	0.96	0.00	1.00	1.00		
Uniform Delay (d), s/veh	73.7	0.0	0.0	0.0	0.0	0.0		
Incr Delay (d2), s/veh	5.4	0.0	0.2	0.0	0.0	0.1		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	3.8	0.0	0.1	0.0	0.0	0.0		
LnGrp Delay(d),s/veh	79.1	0.0	0.2	0.0	0.0	0.1		
LnGrp LOS	E		A		A	A		
Approach Vol, veh/h	168		716			513		
Approach Delay, s/veh	79.1		0.2			0.1		
Approach LOS	E		A			A		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2				6		8
Phs Duration (G+Y+Rc), s		145.3				145.3		14.7
Change Period (Y+Rc), s		4.5				4.5		4.5
Max Green Setting (Gmax), s		112.5				112.5		38.5
Max Q Clear Time (g_c+I1), s		2.0				2.0		9.7
Green Ext Time (p_c), s		11.3				11.3		0.5
Intersection Summary								
HCM 2010 Ctrl Delay			9.6					
HCM 2010 LOS			A					






















HCM 2010 Signalized Intersection Summary
 21: Koontz Lane

Existing Conditions - AM Peak Hour 05/06/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	12	20	9	51	30	62	19	785	26	30	399	27
Future Volume (veh/h)	12	20	9	51	30	62	19	785	26	30	399	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1845	1845	1845	1900	1845	1845	1900	1845	1845	1900
Adj Flow Rate, veh/h	14	24	0	61	36	74	23	937	31	36	476	32
Adj No. of Lanes	1	1	1	1	1	0	1	3	0	1	3	0
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	25	98	83	78	45	92	515	3574	118	46	2156	144
Arrive On Green	0.01	0.05	0.00	0.04	0.08	0.08	0.10	0.24	0.24	0.03	0.45	0.45
Sat Flow, veh/h	1757	1845	1568	1757	540	1109	1757	5007	165	1757	4824	321
Grp Volume(v), veh/h	14	24	0	61	0	110	23	628	340	36	330	178
Grp Sat Flow(s),veh/h/ln	1757	1845	1568	1757	0	1649	1757	1679	1815	1757	1679	1788
Q Serve(g_s), s	1.3	2.0	0.0	5.5	0.0	10.5	1.9	24.4	24.4	3.3	9.6	9.8
Cycle Q Clear(g_c), s	1.3	2.0	0.0	5.5	0.0	10.5	1.9	24.4	24.4	3.3	9.6	9.8
Prop In Lane	1.00		1.00	1.00		0.67	1.00		0.09	1.00		0.18
Lane Grp Cap(c), veh/h	25	98	83	78	0	137	515	2396	1296	46	1500	799
V/C Ratio(X)	0.55	0.25	0.00	0.78	0.00	0.80	0.04	0.26	0.26	0.78	0.22	0.22
Avail Cap(c_a), veh/h	126	340	289	225	0	397	515	2396	1296	181	1500	799
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	0.33	0.33	0.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	78.3	72.7	0.0	75.7	0.0	72.1	51.9	26.8	26.8	77.4	27.1	27.2
Incr Delay (d2), s/veh	17.3	1.3	0.0	15.7	0.0	10.5	0.0	0.3	0.5	23.6	0.3	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	1.1	0.0	3.0	0.0	5.2	0.9	11.5	12.5	1.9	4.6	5.0
LnGrp Delay(d),s/veh	95.6	74.0	0.0	91.4	0.0	82.6	52.0	27.1	27.3	101.0	27.5	27.8
LnGrp LOS	F	E		F		F	D	C	C	F	C	C
Approach Vol, veh/h		38			171			991			544	
Approach Delay, s/veh		81.9			85.7			27.8			32.5	
Approach LOS		F			F			C			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	10.7	120.7	13.6	15.0	53.4	78.0	8.8	19.8				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	16.5	67.5	20.5	29.5	12.5	71.5	11.5	38.5				
Max Q Clear Time (g_c+I1), s	5.3	26.4	7.5	4.0	3.9	11.8	3.3	12.5				
Green Ext Time (p_c), s	0.0	6.9	0.1	0.8	0.1	3.2	0.0	0.8				
Intersection Summary												
HCM 2010 Ctrl Delay			36.1									
HCM 2010 LOS			D									

HCM 2010 Signalized Intersection Summary
 24: Eagle Station Lane

Existing Conditions - AM Peak Hour 01/31/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	20	7	7	22	4	32	16	825	26	43	468	31
Future Volume (veh/h)	20	7	7	22	4	32	16	825	26	43	468	31
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	25	9	9	28	5	40	20	1044	33	54	592	39
Adj No. of Lanes	1	1	0	1	1	0	1	3	1	1	3	1
Peak Hour Factor	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83	0.83
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	37	26	26	55	7	58	501	3961	1233	69	2723	848
Arrive On Green	0.02	0.03	0.03	0.03	0.04	0.04	0.57	1.00	1.00	0.08	1.00	1.00
Sat Flow, veh/h	1757	848	848	1757	177	1417	1757	5036	1568	1757	5036	1568
Grp Volume(v), veh/h	25	0	18	28	0	45	20	1044	33	54	592	39
Grp Sat Flow(s),veh/h/ln	1757	0	1695	1757	0	1595	1757	1679	1568	1757	1679	1568
Q Serve(g_s), s	2.3	0.0	1.7	2.5	0.0	4.5	0.8	0.0	0.0	4.8	0.0	0.0
Cycle Q Clear(g_c), s	2.3	0.0	1.7	2.5	0.0	4.5	0.8	0.0	0.0	4.8	0.0	0.0
Prop In Lane	1.00		0.50	1.00		0.89	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	37	0	52	55	0	65	501	3961	1233	69	2723	848
V/C Ratio(X)	0.68	0.00	0.35	0.51	0.00	0.69	0.04	0.26	0.03	0.78	0.22	0.05
Avail Cap(c_a), veh/h	148	0	291	159	0	284	501	3961	1233	225	2723	848
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	0.98	0.98	0.98	1.00	1.00	1.00
Uniform Delay (d), s/veh	77.8	0.0	76.0	76.3	0.0	75.8	24.7	0.0	0.0	73.1	0.0	0.0
Incr Delay (d2), s/veh	19.6	0.0	3.9	7.3	0.0	12.4	0.0	0.2	0.0	17.4	0.2	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	0.8	1.3	0.0	2.2	0.4	0.1	0.0	2.7	0.0	0.0
LnGrp Delay(d),s/veh	97.4	0.0	79.9	83.6	0.0	88.2	24.8	0.2	0.0	90.5	0.2	0.1
LnGrp LOS	F		E	F		F	C	A	A	F	A	A
Approach Vol, veh/h		43			73			1097			685	
Approach Delay, s/veh		90.1			86.4			0.6			7.3	
Approach LOS		F			F			A			A	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	10.8	130.4	9.5	9.4	50.1	91.0	7.9	11.0				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	20.5	79.5	14.5	27.5	13.5	86.5	13.5	28.5				
Max Q Clear Time (g_c+I1), s	6.8	2.0	4.5	3.7	2.8	2.0	4.3	6.5				
Green Ext Time (p_c), s	0.1	8.8	0.1	0.0	0.1	4.3	0.1	0.2				
Intersection Summary												
HCM 2010 Ctrl Delay			8.3									
HCM 2010 LOS			A									

HCM 2010 Signalized Intersection Summary
 27: Clearview Drive

Existing Conditions - AM Peak Hour 01/31/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	23	12	53	116	27	14	20	844	61	18	463	9
Future Volume (veh/h)	23	12	53	116	27	14	20	844	61	18	463	9
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1845	1845	1845	1845	1845	1845	1845	1845	1845	1900
Adj Flow Rate, veh/h	27	14	0	135	32	16	23	985	71	21	540	10
Adj No. of Lanes	1	1	1	2	1	1	1	3	1	1	3	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	94	57	48	184	58	49	35	2235	696	631	3986	74
Arrive On Green	0.05	0.03	0.00	0.05	0.03	0.03	0.02	0.44	0.44	0.72	1.00	1.00
Sat Flow, veh/h	1757	1845	1568	3408	1845	1568	1757	5036	1568	1757	5091	94
Grp Volume(v), veh/h	27	14	0	135	32	16	23	985	71	21	356	194
Grp Sat Flow(s),veh/h/ln	1757	1845	1568	1704	1845	1568	1757	1679	1568	1757	1679	1828
Q Serve(g_s), s	2.4	1.2	0.0	6.2	2.7	1.6	2.1	21.6	4.2	0.6	0.0	0.0
Cycle Q Clear(g_c), s	2.4	1.2	0.0	6.2	2.7	1.6	2.1	21.6	4.2	0.6	0.0	0.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.05
Lane Grp Cap(c), veh/h	94	57	48	184	58	49	35	2235	696	631	2628	1431
V/C Ratio(X)	0.29	0.25	0.00	0.73	0.56	0.33	0.65	0.44	0.10	0.03	0.14	0.14
Avail Cap(c_a), veh/h	170	380	323	501	473	402	159	2235	696	631	2628	1431
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.99	0.99	0.99
Uniform Delay (d), s/veh	72.8	75.7	0.0	74.5	76.4	75.9	77.9	30.8	25.9	14.5	0.0	0.0
Incr Delay (d2), s/veh	1.7	2.2	0.0	5.6	8.1	3.8	18.7	0.6	0.3	0.0	0.1	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.2	0.6	0.0	3.1	1.5	0.7	1.2	10.2	1.9	0.3	0.0	0.1
LnGrp Delay(d),s/veh	74.5	78.0	0.0	80.1	84.5	79.7	96.6	31.4	26.2	14.5	0.1	0.2
LnGrp LOS	E	E		F	F	E	F	C	C	B	A	A
Approach Vol, veh/h		41			183			1079			571	
Approach Delay, s/veh		75.7			80.8			32.5			0.7	
Approach LOS		E			F			C			A	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	62.0	75.5	13.1	9.4	7.7	129.8	13.0	9.5				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	14.5	71.0	23.5	33.0	14.5	71.0	15.5	41.0				
Max Q Clear Time (g_c+I1), s	2.6	23.6	8.2	3.2	4.1	2.0	4.4	4.7				
Green Ext Time (p_c), s	2.5	8.0	0.4	0.0	0.0	3.5	0.4	0.2				
Intersection Summary												
HCM 2010 Ctrl Delay			28.4									
HCM 2010 LOS			C									

Intersection												
Int Delay, s/veh	1.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕		↕	↕↕↕		↕	↕↕↕	
Traffic Vol, veh/h	5	0	2	15	3	58	4	817	20	34	610	21
Future Vol, veh/h	5	0	2	15	3	58	4	817	20	34	610	21
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	75	-	-	140	-	-	300	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	83	83	83	83	83	83	83	83	83	83	83	83
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	0	3	19	4	73	5	1034	25	43	772	27

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1298	1941	400	1452	1942	530	799	0	0	1059	0	0
Stage 1	872	872	-	1057	1057	-	-	-	-	-	-	-
Stage 2	426	1069	-	395	885	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	170	64	512	138	64	422	489	-	-	367	-	-
Stage 1	244	366	-	182	300	-	-	-	-	-	-	-
Stage 2	528	296	-	551	361	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	120	56	512	124	56	422	489	-	-	367	-	-
Mov Cap-2 Maneuver	120	56	-	124	56	-	-	-	-	-	-	-
Stage 1	242	323	-	180	297	-	-	-	-	-	-	-
Stage 2	426	293	-	484	319	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	29.8		23.6		0.1		0.8	
HCM LOS	D		C					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	489	-	-	154	124	319	367	-	-
HCM Lane V/C Ratio	0.01	-	-	0.058	0.153	0.242	0.117	-	-
HCM Control Delay (s)	12.4	-	-	29.8	39.2	19.8	16.1	-	-
HCM Lane LOS	B	-	-	D	E	C	C	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.5	0.9	0.4	-	-

HCM 2010 TWSC
13: Rhodes Street

Existing Conditions - AM Peak Hour 01/31/2019

Intersection												
Int Delay, s/veh	1.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↵		↶		↕		↵	↕↕↕		↵	↕↕↕	↶
Traffic Vol, veh/h	27	0	34	0	0	0	77	862	0	0	648	75
Future Vol, veh/h	27	0	34	0	0	0	77	862	0	0	648	75
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	0	-	-	-	300	-	-	200	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	81	81	81	81	81	81	81	81	81	81	81	81
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	35	0	44	0	0	0	100	1117	0	0	840	97

Major/Minor	Minor2	Minor1		Major1			Major2					
Conflicting Flow All	1487	-	420	1653	2254	559	937	0	0	1117	0	0
Stage 1	840	-	-	1317	1317	-	-	-	-	-	-	-
Stage 2	647	-	-	336	937	-	-	-	-	-	-	-
Critical Hdwy	6.44	-	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	-	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	-	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	-	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	131	0	497	104	41	405	420	-	-	344	-	-
Stage 1	257	0	-	119	225	-	-	-	-	-	-	-
Stage 2	388	0	-	597	342	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	107	-	497	77	31	405	420	-	-	344	-	-
Mov Cap-2 Maneuver	107	-	-	77	31	-	-	-	-	-	-	-
Stage 1	196	-	-	91	171	-	-	-	-	-	-	-
Stage 2	296	-	-	544	342	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	31.2	0	1.3	0
HCM LOS	D	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	420	-	-	107	497	-	344	-	-
HCM Lane V/C Ratio	0.238	-	-	0.327	0.089	-	-	-	-
HCM Control Delay (s)	16.2	-	-	54.2	12.9	0	0	-	-
HCM Lane LOS	C	-	-	F	B	A	A	-	-
HCM 95th %tile Q(veh)	0.9	-	-	1.3	0.3	-	0	-	-

Intersection												
Int Delay, s/veh	1.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕↕↕		↕	↕↕↕	↕
Traffic Vol, veh/h	0	0	0	11	0	75	13	826	6	33	505	14
Future Vol, veh/h	0	0	0	11	0	75	13	826	6	33	505	14
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	225	-	-	100	-	100
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	0	0	0	13	0	88	15	964	7	39	589	16

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1083	1668	295	1312	1681	486	605	0	0	971	0	0
Stage 1	667	667	-	998	998	-	-	-	-	-	-	-
Stage 2	416	1001	-	314	683	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	228	95	598	167	94	451	604	-	-	404	-	-
Stage 1	338	455	-	200	320	-	-	-	-	-	-	-
Stage 2	535	319	-	616	447	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	167	84	598	152	83	451	604	-	-	404	-	-
Mov Cap-2 Maneuver	167	84	-	152	83	-	-	-	-	-	-	-
Stage 1	330	411	-	195	312	-	-	-	-	-	-	-
Stage 2	420	311	-	557	404	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	0		18.8		0.2		0.9	
HCM LOS	A		C					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	604	-	-	-	360	404	-
HCM Lane V/C Ratio	0.025	-	-	-	0.279	0.095	-
HCM Control Delay (s)	11.1	-	-	0	18.8	14.8	-
HCM Lane LOS	B	-	-	A	C	B	-
HCM 95th %tile Q(veh)	0.1	-	-	-	1.1	0.3	-

HCM 2010 TWSC
19: Moses Street

Existing Conditions - AM Peak Hour 01/31/2019

Intersection												
Int Delay, s/veh	0.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕↕↕		↕	↕↕↕	
Traffic Vol, veh/h	2	0	14	5	1	0	1	901	9	2	539	27
Future Vol, veh/h	2	0	14	5	1	0	1	901	9	2	539	27
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	100	-	-	230	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	81	81	81	81	81	81	81	81	81	81	81	81
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	0	18	6	1	0	1	1168	12	3	699	35

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1193	1905	367	1462	1916	590	734	0	0	1180	0	0
Stage 1	723	723	-	1176	1176	-	-	-	-	-	-	-
Stage 2	470	1182	-	286	740	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	197	68	538	136	67	386	525	-	-	320	-	-
Stage 1	309	429	-	150	263	-	-	-	-	-	-	-
Stage 2	496	262	-	640	421	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	192	67	538	130	66	386	525	-	-	320	-	-
Mov Cap-2 Maneuver	192	67	-	130	66	-	-	-	-	-	-	-
Stage 1	308	425	-	150	262	-	-	-	-	-	-	-
Stage 2	493	261	-	613	417	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	13.6		39.5		0		0.1	
HCM LOS	B		E					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	525	-	-	439	112	320	-	-
HCM Lane V/C Ratio	0.002	-	-	0.047	0.069	0.008	-	-
HCM Control Delay (s)	11.9	-	-	13.6	39.5	16.3	-	-
HCM Lane LOS	B	-	-	B	E	C	-	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0	-	-

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕				↗	↖	↑↑↑	↗	↖	↑↑↔	
Traffic Vol, veh/h	0	1	11	1	3	64	33	894	61	38	562	7
Future Vol, veh/h	0	1	11	1	3	64	33	894	61	38	562	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	Free	-	-	None
Storage Length	-	-	-	-	-	0	200	-	150	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	0	1	13	1	4	76	39	1067	73	45	671	8

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1272	1910	340	1504	1914	534	679	0	-	1067	0	0
Stage 1	765	765	-	1145	1145	-	-	-	-	-	-	-
Stage 2	507	1145	-	359	769	-	-	-	-	-	-	-
Critical Hdwy	6.46	6.56	7.16	6.46	6.56	7.16	5.36	-	-	5.36	-	-
Critical Hdwy Stg 1	7.36	5.56	-	7.36	5.56	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.76	5.56	-	6.76	5.56	-	-	-	-	-	-	-
Follow-up Hdwy	3.83	4.03	3.93	3.83	4.03	3.93	3.13	-	-	3.13	-	-
Pot Cap-1 Maneuver	175	67	558	127	66	418	554	-	0	360	-	-
Stage 1	288	408	-	156	270	-	-	-	0	-	-	-
Stage 2	469	270	-	576	406	-	-	-	0	-	-	-
Platoon blocked, %								-			-	-
Mov Cap-1 Maneuver	117	55	558	105	54	418	554	-	-	360	-	-
Mov Cap-2 Maneuver	117	55	-	105	54	-	-	-	-	-	-	-
Stage 1	268	357	-	145	251	-	-	-	-	-	-	-
Stage 2	351	251	-	491	355	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	16.9		15.5		0.4		1	
HCM LOS	C		C					

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	554	-	317	418	360	-	-
HCM Lane V/C Ratio	0.071	-	0.045	0.183	0.126	-	-
HCM Control Delay (s)	12	-	16.9	15.5	16.4	-	-
HCM Lane LOS	B	-	C	C	C	-	-
HCM 95th %tile Q(veh)	0.2	-	0.1	0.7	0.4	-	-

Intersection						
Int Delay, s/veh	1.5					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations		↗	↘	↑↑↑	↑↑↑	↗
Traffic Vol, veh/h	0	78	120	987	554	26
Future Vol, veh/h	0	78	120	987	554	26
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Stop	-	None	-	None
Storage Length	-	0	450	-	-	300
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	91	140	1152	646	30

Major/Minor	Minor2	Major1	Major2		
Conflicting Flow All	-	323	676	0	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	7.16	5.36	-	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.93	3.13	-	-
Pot Cap-1 Maneuver	0	572	556	-	-
Stage 1	0	-	-	-	-
Stage 2	0	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	-	572	556	-	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	12.5	1.5	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	556	-	572	-	-
HCM Lane V/C Ratio	0.252	-	0.159	-	-
HCM Control Delay (s)	13.6	-	12.5	-	-
HCM Lane LOS	B	-	B	-	-
HCM 95th %tile Q(veh)	1	-	0.6	-	-

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↗	↕↕↕			↕↕↕
Traffic Vol, veh/h	0	7	853	24	0	498
Future Vol, veh/h	0	7	853	24	0	498
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	10	1194	34	0	697

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	-	614	0	0	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-
Pot Cap-1 Maneuver	0	373	-	-	0
Stage 1	0	-	-	-	0
Stage 2	0	-	-	-	0
Platoon blocked, %					
Mov Cap-1 Maneuver	-	373	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	14.9	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBT
Capacity (veh/h)	-	-	373
HCM Lane V/C Ratio	-	-	0.026
HCM Control Delay (s)	-	-	14.9
HCM Lane LOS	-	-	B
HCM 95th %tile Q(veh)	-	-	0.1

Intersection						
Int Delay, s/veh	0.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↔		↕		↔	↕
Traffic Vol, veh/h	14	9	564	25	8	401
Future Vol, veh/h	14	9	564	25	8	401
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	75	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	20	13	790	35	11	561

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1111	413	0	0	825
Stage 1	808	-	-	-	-
Stage 2	303	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14
Critical Hdwy Stg 1	5.84	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22
Pot Cap-1 Maneuver	203	588	-	-	801
Stage 1	399	-	-	-	-
Stage 2	723	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	200	588	-	-	801
Mov Cap-2 Maneuver	313	-	-	-	-
Stage 1	399	-	-	-	-
Stage 2	713	-	-	-	-























Approach	WB	NB	SB
HCM Control Delay, s	15.3	0	0.2
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	383	801
HCM Lane V/C Ratio	-	-	0.084	0.014
HCM Control Delay (s)	-	-	15.3	9.6
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	0.3	0

HCM Signalized Intersection Capacity Analysis

























7: Fairview Drive

Existing Conditions - PM Peak Hour 04/03/2019

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (vph)	2	0	1	322	1	85	0	744	203	149	988	1	
Future Volume (vph)	2	0	1	322	1	85	0	744	203	149	988	1	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)	6.5	6.5		6.5	6.5			6.5	6.5	6.5	6.5		
Lane Util. Factor	1.00	1.00		0.91	0.91			0.91	1.00	1.00	0.91		
Fr _t	1.00	0.85		1.00	0.90			1.00	0.85	1.00	1.00		
Fl _t Protected	0.95	1.00		0.95	0.98			1.00	1.00	0.95	1.00		
Satd. Flow (prot)	1770	1583		3221	1501			5085	1583	1770	5085		
Fl _t Permitted	0.95	1.00		0.95	0.98			1.00	1.00	0.95	1.00		
Satd. Flow (perm)	1770	1583		3221	1501			5085	1583	1770	5085		
Peak-hour factor, PHF	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	
Growth Factor (vph)	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	105%	
Adj. Flow (vph)	2	0	1	398	1	105	0	919	251	184	1220	1	
RTOR Reduction (vph)	0	1	0	0	49	0	0	0	115	0	0	0	
Lane Group Flow (vph)	2	0	0	346	109	0	0	919	136	184	1221	0	
Turn Type	Split	NA		Split	NA		Prot	NA	Prot	Prot	NA		
Protected Phases	4	4		8	8		5	2	2	1	6		
Permitted Phases													
Actuated Green, G (s)	1.3	1.3		22.7	22.7			86.5	86.5	23.5	116.5		
Effective Green, g (s)	1.3	1.3		22.7	22.7			86.5	86.5	23.5	116.5		
Actuated g/C Ratio	0.01	0.01		0.14	0.14			0.54	0.54	0.15	0.73		
Clearance Time (s)	6.5	6.5		6.5	6.5			6.5	6.5	6.5	6.5		
Vehicle Extension (s)	3.0	3.0		3.0	3.0			3.0	3.0	3.0	3.0		
Lane Grp Cap (vph)	14	12		456	212			2749	855	259	3702		
v/s Ratio Prot	c0.00	0.00		c0.11	0.07			0.18	0.09	c0.10	c0.24		
v/s Ratio Perm													
v/c Ratio	0.14	0.00		0.76	0.51			0.33	0.16	0.71	0.33		
Uniform Delay, d ₁	78.8	78.7		66.0	63.5			20.6	18.5	65.0	7.8		
Progression Factor	1.00	1.00		1.00	1.00			1.25	2.66	1.14	0.91		
Incremental Delay, d ₂	4.7	0.0		7.1	2.1			0.3	0.4	8.6	0.2		
Delay (s)	83.5	78.7		73.1	65.7			26.0	49.4	82.4	7.3		
Level of Service	F	E		E	E			C	D	F	A		
Approach Delay (s)		81.9			70.8			31.0			17.1		
Approach LOS		F			E			C			B		
Intersection Summary													
HCM 2000 Control Delay			31.2									HCM 2000 Level of Service	C
HCM 2000 Volume to Capacity ratio			0.48										
Actuated Cycle Length (s)			160.0									Sum of lost time (s)	26.0
Intersection Capacity Utilization			55.2%									ICU Level of Service	B
Analysis Period (min)			15										
c Critical Lane Group													
















HCM 2010 Signalized Intersection Summary
 1: S. Carson St/S Carson Street & 5th Street

Existing Conditions - PM Peak Hour 01/31/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	73	252	98	38	183	58	67	380	58	21	499	23
Future Volume (veh/h)	73	252	98	38	183	58	67	380	58	21	499	23
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	88	304	118	46	221	70	81	459	70	25	602	28
Adj No. of Lanes	1	1	1	1	1	1	1	1	1	1	1	0
Peak Hour Factor	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	189	439	373	128	439	373	487	1319	1121	661	1250	58
Arrive On Green	0.24	0.24	0.24	0.24	0.24	0.24	1.00	1.00	1.00	0.71	0.71	0.71
Sat Flow, veh/h	1084	1863	1583	961	1863	1583	793	1863	1583	871	1766	82
Grp Volume(v), veh/h	88	304	118	46	221	70	81	459	70	25	0	630
Grp Sat Flow(s),veh/h/ln	1084	1863	1583	961	1863	1583	793	1863	1583	871	0	1848
Q Serve(g_s), s	12.3	23.8	9.8	7.3	16.5	5.7	4.1	0.0	0.0	1.4	0.0	24.2
Cycle Q Clear(g_c), s	28.7	23.8	9.8	31.2	16.5	5.7	28.2	0.0	0.0	1.4	0.0	24.2
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.04
Lane Grp Cap(c), veh/h	189	439	373	128	439	373	487	1319	1121	661	0	1308
V/C Ratio(X)	0.47	0.69	0.32	0.36	0.50	0.19	0.17	0.35	0.06	0.04	0.00	0.48
Avail Cap(c_a), veh/h	289	611	520	217	611	520	487	1319	1121	661	0	1308
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	65.5	55.8	50.5	70.1	53.0	48.9	3.0	0.0	0.0	7.0	0.0	10.4
Incr Delay (d2), s/veh	1.8	2.0	0.5	1.7	0.9	0.2	0.7	0.7	0.1	0.1	0.0	1.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.8	12.5	4.4	2.0	8.6	2.5	1.0	0.3	0.0	0.4	0.0	12.7
LnGrp Delay(d),s/veh	67.2	57.8	51.0	71.8	53.9	49.1	3.7	0.7	0.1	7.1	0.0	11.6
LnGrp LOS	E	E	D	E	D	D	A	A	A	A		B
Approach Vol, veh/h		510			337			610			655	
Approach Delay, s/veh		57.8			55.3			1.1			11.5	
Approach LOS		E			E			A			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		117.8		42.2		117.8		42.2				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		98.5		52.5		98.5		52.5				
Max Q Clear Time (g_c+I1), s		30.2		30.7		26.2		33.2				
Green Ext Time (p_c), s		12.3		4.7		12.3		4.5				
Intersection Summary												
HCM 2010 Ctrl Delay				26.7								
HCM 2010 LOS				C								

HCM 2010 Signalized Intersection Summary
 2: S Stewart St & S. Carson St

Existing Conditions - PM Peak Hour 01/31/2019

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations	 		 			 		
Traffic Volume (veh/h)	408	17	572	243	13	673		
Future Volume (veh/h)	408	17	572	243	13	673		
Number	3	18	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	481	0	675	0	15	794		
Adj No. of Lanes	2	1	2	1	1	2		
Peak Hour Factor	0.89	0.89	0.89	0.89	0.89	0.89		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	552	254	2773	1240	641	2773		
Arrive On Green	0.16	0.00	1.00	0.00	1.00	1.00		
Sat Flow, veh/h	3442	1583	3632	1583	761	3632		
Grp Volume(v), veh/h	481	0	675	0	15	794		
Grp Sat Flow(s),veh/h/ln	1721	1583	1770	1583	761	1770		
Q Serve(g_s), s	21.8	0.0	0.0	0.0	0.0	0.0		
Cycle Q Clear(g_c), s	21.8	0.0	0.0	0.0	0.0	0.0		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	552	254	2773	1240	641	2773		
V/C Ratio(X)	0.87	0.00	0.24	0.00	0.02	0.29		
Avail Cap(c_a), veh/h	1301	599	2773	1240	641	2773		
HCM Platoon Ratio	1.00	1.00	2.00	2.00	2.00	2.00		
Upstream Filter(l)	1.00	0.00	0.96	0.00	1.00	1.00		
Uniform Delay (d), s/veh	65.6	0.0	0.0	0.0	0.0	0.0		
Incr Delay (d2), s/veh	4.4	0.0	0.2	0.0	0.1	0.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	10.8	0.0	0.1	0.0	0.0	0.1		
LnGrp Delay(d),s/veh	70.0	0.0	0.2	0.0	0.1	0.3		
LnGrp LOS	E		A		A	A		
Approach Vol, veh/h	481		675			809		
Approach Delay, s/veh	70.0		0.2			0.3		
Approach LOS	E		A			A		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2				6		8
Phs Duration (G+Y+Rc), s		129.8				129.8		30.2
Change Period (Y+Rc), s		4.5				4.5		4.5
Max Green Setting (Gmax), s		90.5				90.5		60.5
Max Q Clear Time (g_c+I1), s		2.0				2.0		23.8
Green Ext Time (p_c), s		15.5				15.5		1.8
Intersection Summary								
HCM 2010 Ctrl Delay			17.3					
HCM 2010 LOS			B					

HCM 2010 Signalized Intersection Summary

21: Koontz Lane

Existing Conditions - PM Peak Hour 01/31/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	45	55	39	76	29	69	12	736	75	86	1053	50
Future Volume (veh/h)	45	55	39	76	29	69	12	736	75	86	1053	50
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	50	61	0	85	32	77	13	822	84	96	1176	56
Adj No. of Lanes	1	1	1	1	1	0	1	3	0	1	3	0
Peak Hour Factor	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	66	110	94	105	39	95	24	3298	335	117	3757	179
Arrive On Green	0.04	0.06	0.00	0.06	0.08	0.08	0.02	0.93	0.93	0.07	0.76	0.76
Sat Flow, veh/h	1774	1863	1583	1774	486	1170	1774	4692	477	1774	4974	237
Grp Volume(v), veh/h	50	61	0	85	0	109	13	593	313	96	801	431
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	0	1656	1774	1695	1779	1774	1695	1821
Q Serve(g_s), s	4.5	5.1	0.0	7.6	0.0	10.4	1.2	2.4	2.4	8.5	12.1	12.1
Cycle Q Clear(g_c), s	4.5	5.1	0.0	7.6	0.0	10.4	1.2	2.4	2.4	8.5	12.1	12.1
Prop In Lane	1.00		1.00	1.00		0.71	1.00		0.27	1.00		0.13
Lane Grp Cap(c), veh/h	66	110	94	105	0	134	24	2383	1250	117	2560	1375
V/C Ratio(X)	0.75	0.55	0.00	0.81	0.00	0.81	0.53	0.25	0.25	0.82	0.31	0.31
Avail Cap(c_a), veh/h	183	355	302	272	0	399	105	2383	1250	283	2560	1375
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.33	1.33	1.33	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.3	73.2	0.0	74.3	0.0	72.3	78.0	1.6	1.6	73.8	6.3	6.3
Incr Delay (d2), s/veh	15.6	4.3	0.0	13.3	0.0	11.0	17.0	0.2	0.5	13.0	0.3	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	2.8	0.0	4.1	0.0	5.2	0.7	1.1	1.2	4.6	5.8	6.3
LnGrp Delay(d),s/veh	91.9	77.5	0.0	87.7	0.0	83.3	95.0	1.9	2.1	86.8	6.6	6.9
LnGrp LOS	F	E		F		F	F	A	A	F	A	A
Approach Vol, veh/h		111			194			919			1328	
Approach Delay, s/veh		84.0			85.2			3.3			12.5	
Approach LOS		F			F			A			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	15.1	117.0	14.0	14.0	6.7	125.3	10.5	17.5				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	25.5	61.5	24.5	30.5	9.5	77.5	16.5	38.5				
Max Q Clear Time (g_c+I1), s	10.5	4.4	9.6	7.1	3.2	14.1	6.5	12.4				
Green Ext Time (p_c), s	0.2	22.6	0.2	0.4	0.0	23.3	0.3	0.6				
Intersection Summary												
HCM 2010 Ctrl Delay				17.8								
HCM 2010 LOS				B								

HCM 2010 Signalized Intersection Summary
 24: Eagle Station Lane

Existing Conditions - PM Peak Hour 01/31/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	22	19	24	79	16	69	28	863	61	101	1097	29
Future Volume (veh/h)	22	19	24	79	16	69	28	863	61	101	1097	29
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	26	23	29	94	19	82	33	1030	73	121	1309	35
Adj No. of Lanes	1	1	0	1	1	0	1	3	1	1	3	1
Peak Hour Factor	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	38	33	42	120	28	119	495	3539	1102	142	2527	787
Arrive On Green	0.02	0.04	0.04	0.07	0.09	0.09	0.56	1.00	1.00	0.16	0.99	0.99
Sat Flow, veh/h	1774	750	946	1774	307	1323	1774	5085	1583	1774	5085	1583
Grp Volume(v), veh/h	26	0	52	94	0	101	33	1030	73	121	1309	35
Grp Sat Flow(s),veh/h/ln	1774	0	1696	1774	0	1629	1774	1695	1583	1774	1695	1583
Q Serve(g_s), s	2.3	0.0	4.8	8.3	0.0	9.6	1.4	0.0	0.0	10.6	0.5	0.0
Cycle Q Clear(g_c), s	2.3	0.0	4.8	8.3	0.0	9.6	1.4	0.0	0.0	10.6	0.5	0.0
Prop In Lane	1.00		0.56	1.00		0.81	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	38	0	75	120	0	147	495	3539	1102	142	2527	787
V/C Ratio(X)	0.68	0.00	0.70	0.78	0.00	0.69	0.07	0.29	0.07	0.85	0.52	0.04
Avail Cap(c_a), veh/h	116	0	291	261	0	412	495	3539	1102	316	2527	787
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.96	0.96	0.96	1.00	1.00	1.00
Uniform Delay (d), s/veh	77.8	0.0	75.4	73.4	0.0	70.6	25.8	0.0	0.0	66.3	0.3	0.2
Incr Delay (d2), s/veh	19.5	0.0	11.1	10.5	0.0	5.6	0.1	0.2	0.1	13.3	0.8	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.3	0.0	2.5	4.4	0.0	4.6	0.7	0.1	0.0	5.7	0.3	0.0
LnGrp Delay(d),s/veh	97.3	0.0	86.5	83.9	0.0	76.1	25.9	0.2	0.1	79.6	1.0	0.3
LnGrp LOS	F		F	F		E	C	A	A	E	A	A
Approach Vol, veh/h		78			195			1136			1465	
Approach Delay, s/veh		90.1			79.9			0.9			7.5	
Approach LOS		F			E			A			A	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	17.3	115.8	15.3	11.5	49.1	84.0	7.9	18.9				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	28.5	62.5	23.5	27.5	11.5	79.5	10.5	40.5				
Max Q Clear Time (g_c+I1), s	12.6	2.0	10.3	6.8	3.4	2.5	4.3	11.6				
Green Ext Time (p_c), s	0.2	8.8	0.7	0.2	0.1	12.3	0.0	0.9				
Intersection Summary												
HCM 2010 Ctrl Delay			12.1									
HCM 2010 LOS			B									

HCM 2010 Signalized Intersection Summary
 27: Clearview Drive

Existing Conditions - PM Peak Hour 01/31/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	58	65	113	224	48	42	66	862	172	46	1108	26
Future Volume (veh/h)	58	65	113	224	48	42	66	862	172	46	1108	26
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	67	75	0	258	55	48	76	995	198	53	1278	30
Adj No. of Lanes	1	1	1	2	1	1	1	3	1	1	3	0
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	179	104	88	311	84	71	578	2241	698	534	2125	50
Arrive On Green	0.10	0.06	0.00	0.09	0.05	0.05	0.33	0.44	0.44	0.60	0.83	0.83
Sat Flow, veh/h	1774	1863	1583	3442	1863	1583	1774	5085	1583	1774	5112	120
Grp Volume(v), veh/h	67	75	0	258	55	48	76	995	198	53	848	460
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1721	1863	1583	1774	1695	1583	1774	1695	1842
Q Serve(g_s), s	5.6	6.3	0.0	11.8	4.6	4.8	4.8	21.8	9.4	2.0	13.5	13.5
Cycle Q Clear(g_c), s	5.6	6.3	0.0	11.8	4.6	4.8	4.8	21.8	9.4	2.0	13.5	13.5
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.07
Lane Grp Cap(c), veh/h	179	104	88	311	84	71	578	2241	698	534	1409	765
V/C Ratio(X)	0.37	0.72	0.00	0.83	0.65	0.67	0.13	0.44	0.28	0.10	0.60	0.60
Avail Cap(c_a), veh/h	183	378	322	527	472	401	578	2241	698	534	1409	765
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.93	0.93	0.93
Uniform Delay (d), s/veh	67.2	74.3	0.0	71.6	75.2	75.2	38.0	31.1	15.6	22.7	9.0	9.0
Incr Delay (d2), s/veh	1.3	9.2	0.0	5.7	8.3	10.4	0.1	0.6	1.0	0.1	1.8	3.3
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	3.5	0.0	5.9	2.6	2.3	2.4	10.4	4.3	1.0	6.5	7.3
LnGrp Delay(d),s/veh	68.5	83.5	0.0	77.3	83.5	85.6	38.1	31.8	16.6	22.7	10.8	12.3
LnGrp LOS	E	F		E	F	F	D	C	B	C	B	B
Approach Vol, veh/h		142			361			1269			1361	
Approach Delay, s/veh		76.5			79.3			29.8			11.8	
Approach LOS		E			E			C			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	52.7	75.0	18.9	13.4	56.7	71.0	20.6	11.7				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	14.5	70.5	24.5	32.5	18.5	66.5	16.5	40.5				
Max Q Clear Time (g_c+I1), s	4.0	23.8	13.8	8.3	6.8	15.5	7.6	6.8				
Green Ext Time (p_c), s	0.2	8.4	0.7	0.6	0.2	10.7	0.3	0.4				
Intersection Summary												
HCM 2010 Ctrl Delay				29.8								
HCM 2010 LOS				C								

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕		↕	↕↕↕		↕	↕↕↕	
Traffic Vol, veh/h	6	0	2	10	2	23	3	809	39	50	1120	40
Future Vol, veh/h	6	0	2	10	2	23	3	809	39	50	1120	40
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	75	-	-	140	-	-	300	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	85	85	85	85	85	85	85	85	85	85	85	85
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	7	0	2	12	2	28	4	999	48	62	1384	49

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1942	2588	717	1709	2588	524	1433	0	0	1047	0	0
Stage 1	1533	1533	-	1031	1031	-	-	-	-	-	-	-
Stage 2	409	1055	-	678	1557	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	69	25	319	96	25	426	241	-	-	371	-	-
Stage 1	84	177	-	189	309	-	-	-	-	-	-	-
Stage 2	540	301	-	371	172	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	50	20	319	82	20	426	241	-	-	371	-	-
Mov Cap-2 Maneuver	50	20	-	82	20	-	-	-	-	-	-	-
Stage 1	83	147	-	186	304	-	-	-	-	-	-	-
Stage 2	492	296	-	307	143	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	72.5		39.3		0.1		0.7	
HCM LOS	F		E					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	241	-	-	63	82	162	371	-	-
HCM Lane V/C Ratio	0.015	-	-	0.157	0.151	0.191	0.166	-	-
HCM Control Delay (s)	20.2	-	-	72.5	56.5	32.4	16.6	-	-
HCM Lane LOS	C	-	-	F	F	D	C	-	-
HCM 95th %tile Q(veh)	0	-	-	0.5	0.5	0.7	0.6	-	-

HCM 2010 TWSC
13: Rhodes Street

Existing Conditions - PM Peak Hour 01/31/2019

Intersection												
Int Delay, s/veh	3.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↵		↶		↕		↵	↕↕↕		↵	↕↕↕	↶
Traffic Vol, veh/h	37	0	56	0	0	0	54	902	0	0	1187	82
Future Vol, veh/h	37	0	56	0	0	0	54	902	0	0	1187	82
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	0	-	-	-	300	-	-	200	-	250
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	42	0	64	0	0	0	62	1029	0	0	1355	94

Major/Minor	Minor2		Minor1		Major1			Major2				
Conflicting Flow All	1891	-	678	1695	2602	515	1449	0	0	1029	0	0
Stage 1	1355	-	-	1153	1153	-	-	-	-	-	-	-
Stage 2	536	-	-	542	1449	-	-	-	-	-	-	-
Critical Hdwy	6.44	-	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	-	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	-	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	-	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	74	0	338	98	24	432	236	-	-	379	-	-
Stage 1	112	0	-	156	270	-	-	-	-	-	-	-
Stage 2	453	0	-	449	194	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	59	-	338	63	18	432	236	-	-	379	-	-
Mov Cap-2 Maneuver	59	-	-	63	18	-	-	-	-	-	-	-
Stage 1	83	-	-	115	199	-	-	-	-	-	-	-
Stage 2	334	-	-	364	194	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	73	0	1.4	0
HCM LOS	F	A		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	236	-	-	59	338	-	379	-	-
HCM Lane V/C Ratio	0.261	-	-	0.716	0.189	-	-	-	-
HCM Control Delay (s)	25.6	-	-	156.1	18.1	0	0	-	-
HCM Lane LOS	D	-	-	F	C	A	A	-	-
HCM 95th %tile Q(veh)	1	-	-	3.1	0.7	-	0	-	-

HCM 2010 TWSC
16: Sonoma Street

Existing Conditions - PM Peak Hour 01/31/2019

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕↕↕		↕	↕↕↕	↕
Traffic Vol, veh/h	6	0	8	8	0	48	3	804	23	72	1214	7
Future Vol, veh/h	6	0	8	8	0	48	3	804	23	72	1214	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	225	-	-	100	-	100
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	7	0	9	9	0	54	3	898	26	80	1356	8

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1881	2446	678	1619	2441	462	1364	0	0	924	0	0
Stage 1	1516	1516	-	917	917	-	-	-	-	-	-	-
Stage 2	365	930	-	702	1524	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	75	31	338	109	31	467	260	-	-	426	-	-
Stage 1	86	180	-	227	349	-	-	-	-	-	-	-
Stage 2	574	344	-	359	179	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	56	25	338	90	25	467	260	-	-	426	-	-
Mov Cap-2 Maneuver	56	25	-	90	25	-	-	-	-	-	-	-
Stage 1	85	146	-	224	345	-	-	-	-	-	-	-
Stage 2	502	340	-	284	145	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	44.3		20.7		0.1		0.9	
HCM LOS	E		C					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	260	-	-	107	292	426	-
HCM Lane V/C Ratio	0.013	-	-	0.146	0.214	0.189	-
HCM Control Delay (s)	19	-	-	44.3	20.7	15.4	-
HCM Lane LOS	C	-	-	E	C	C	-
HCM 95th %tile Q(veh)	0	-	-	0.5	0.8	0.7	-

HCM 2010 TWSC
19: Moses Street

Existing Conditions - PM Peak Hour 01/31/2019

Intersection												
Int Delay, s/veh	0.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕		↕	↕↕↕		↕	↕↕↕	
Traffic Vol, veh/h	2	1	22	14	0	7	11	910	41	3	1174	24
Future Vol, veh/h	2	1	22	14	0	7	11	910	41	3	1174	24
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	100	-	-	230	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	1	25	16	0	8	13	1039	47	3	1340	27

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1802	2472	684	1632	2462	543	1367	0	0	1086	0	0
Stage 1	1360	1360	-	1089	1089	-	-	-	-	-	-	-
Stage 2	442	1112	-	543	1373	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	6.54	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	4.02	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	84	30	335	107	30	414	259	-	-	356	-	-
Stage 1	111	215	-	173	290	-	-	-	-	-	-	-
Stage 2	516	282	-	449	212	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	79	28	335	92	28	414	259	-	-	356	-	-
Mov Cap-2 Maneuver	79	28	-	92	28	-	-	-	-	-	-	-
Stage 1	105	213	-	164	276	-	-	-	-	-	-	-
Stage 2	481	268	-	410	210	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	26.3		40.9		0.2		0	
HCM LOS	D		E					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1WBLn1	SBL	SBT	SBR
Capacity (veh/h)	259	-	-	197	124	356	-
HCM Lane V/C Ratio	0.048	-	-	0.145	0.193	0.01	-
HCM Control Delay (s)	19.6	-	-	26.3	40.9	15.2	-
HCM Lane LOS	C	-	-	D	E	C	-
HCM 95th %tile Q(veh)	0.2	-	-	0.5	0.7	0	-

Intersection												
Int Delay, s/veh	2.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕				↗	↖	↑↑↑	↗	↖	↑↑↔	
Traffic Vol, veh/h	2	0	41	2	0	58	67	1071	70	61	1419	8
Future Vol, veh/h	2	0	41	2	0	58	67	1071	70	61	1419	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	Free	-	-	None
Storage Length	-	-	-	-	-	0	200	-	150	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	94	94	94	94	94	94	94	94	94	94
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	0	46	2	0	65	75	1196	78	68	1585	9

Major/Minor	Minor2		Minor1		Major1			Major2				
Conflicting Flow All	2354	3072	797	2116	-	598	1594	0	-	1196	0	0
Stage 1	1726	1726	-	1346	-	-	-	-	-	-	-	-
Stage 2	628	1346	-	770	-	-	-	-	-	-	-	-
Critical Hdwy	6.44	6.54	7.14	6.44	-	7.14	5.34	-	-	5.34	-	-
Critical Hdwy Stg 1	7.34	5.54	-	7.34	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	6.74	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.82	4.02	3.92	3.82	-	3.92	3.12	-	-	3.12	-	-
Pot Cap-1 Maneuver	38	12	283	54	0	382	200	-	0	314	-	-
Stage 1	61	142	-	114	0	-	-	-	0	-	-	-
Stage 2	398	218	-	326	0	-	-	-	0	-	-	-
Platoon blocked, %								-			-	-
Mov Cap-1 Maneuver	19	6	283	27	-	382	200	-	-	314	-	-
Mov Cap-2 Maneuver	19	6	-	27	-	-	-	-	-	-	-	-
Stage 1	38	111	-	71	-	-	-	-	-	-	-	-
Stage 2	207	136	-	214	-	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	33.8		16.3		2		0.8	
HCM LOS	D		C					

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	200	-	172	382	314	-	-
HCM Lane V/C Ratio	0.374	-	0.279	0.17	0.217	-	-
HCM Control Delay (s)	33.4	-	33.8	16.3	19.6	-	-
HCM Lane LOS	D	-	D	C	C	-	-
HCM 95th %tile Q(veh)	1.6	-	1.1	0.6	0.8	-	-

Intersection						
Int Delay, s/veh	3.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations		↗	↘	↑↑↑	↑↑↑	↗
Traffic Vol, veh/h	0	150	119	1196	1400	29
Future Vol, veh/h	0	150	119	1196	1400	29
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	450	-	-	300
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	166	132	1322	1547	32

Major/Minor	Minor2	Major1	Major2		
Conflicting Flow All	-	774	1579	0	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	7.14	5.34	-	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.92	3.12	-	-
Pot Cap-1 Maneuver	0	293	204	-	-
Stage 1	0	-	-	-	-
Stage 2	0	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	-	293	204	-	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	32.2	4.5	0
HCM LOS	D		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	204	-	293	-	-
HCM Lane V/C Ratio	0.645	-	0.566	-	-
HCM Control Delay (s)	50	-	32.2	-	-
HCM Lane LOS	E	-	D	-	-
HCM 95th %tile Q(veh)	3.8	-	3.2	-	-

Intersection						
Int Delay, s/veh	0.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↗	↕↕↕			↕↕↕
Traffic Vol, veh/h	0	28	918	36	0	1227
Future Vol, veh/h	0	28	918	36	0	1227
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	-	0	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	35	1148	45	0	1534

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	-	597	0	0	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	7.14	-	-	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.92	-	-	-
Pot Cap-1 Maneuver	0	382	-	-	0
Stage 1	0	-	-	-	0
Stage 2	0	-	-	-	0
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	-	382	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	15.4	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBT
Capacity (veh/h)	-	-	382
HCM Lane V/C Ratio	-	-	0.092
HCM Control Delay (s)	-	-	15.4
HCM Lane LOS	-	-	C
HCM 95th %tile Q(veh)	-	-	0.3

Intersection						
Int Delay, s/veh	0.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↔		↕		↔	↕
Traffic Vol, veh/h	16	14	577	12	9	670
Future Vol, veh/h	16	14	577	12	9	670
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	75	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	22	20	808	17	13	938

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1312	413	0	0	825
Stage 1	817	-	-	-	-
Stage 2	495	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	4.14
Critical Hdwy Stg 1	5.84	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	2.22
Pot Cap-1 Maneuver	150	588	-	-	801
Stage 1	395	-	-	-	-
Stage 2	578	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	148	588	-	-	801
Mov Cap-2 Maneuver	277	-	-	-	-
Stage 1	395	-	-	-	-
Stage 2	569	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	16	0	0.1
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	368	801
HCM Lane V/C Ratio	-	-	0.114	0.016
HCM Control Delay (s)	-	-	16	9.6
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	0.4	0

Appendix C

2040 Cumulative Conditions LOS

Calculations

2040 Cumulative Conditions						
ID	Intersection Name	Intersection Control	AM Peak		PM Peak	
			LOS	Average Delay (sec/veh)	LOS	Average Delay (sec/veh)
1	S. Carson & 5th Street	Signalized				
	<i>Overall</i>		B	16.9	B	18.9
2	S. Carson & Mall Entrance	Side Street STOP				
	<i>Overall</i>			0.4		0.4
	<i>Westbound</i>		C	16.8	C	17.2
3	S. Carson & Stewart Street	Roundabout				
	<i>Overall</i>		B	14.8	F	72.8
4	S. Carson & Fairview Drive	Signalized				
	<i>Overall</i>		E	58.7	D	47.0
5	S. Carson & Colorado Street	Side Street STOP				
	<i>Overall</i>			2.6		3.8
	<i>Eastbound</i>		F	89.6	F	>300
	<i>Westbound</i>		F	54.5	F	135.1
6	S. Carson & Rhodes Street	Side Street STOP				
	<i>Overall</i>			4.5		43.1
	<i>Eastbound</i>		F	138.2	F	>300
	<i>Westbound</i>		F	135.0	F	>300
7	S. Carson & Sonoma Street	Side Street STOP				
	<i>Overall</i>			2.0		3.5
	<i>Eastbound</i>		F	85.4	F	>300
	<i>Westbound</i>		E	37.3	F	60.8
8	S. Carson & Moses Street	Side Street STOP				
	<i>Overall</i>			0.5		3.9
	<i>Eastbound</i>		C	17.2	F	75.3
	<i>Westbound</i>		F	115.0	F	>300
9	S. Carson & Koontz Lane	Signalized				
	<i>Overall</i>		C	26.7	D	38.8
10	S. Carson & Raleys Entrance	Side Street STOP				
	<i>Overall</i>			0.1		0.2
	<i>Westbound Right</i>		B	14.8	C	15.9
11	S. Carson & Eagle Station Lane	Signalized				
	<i>Overall</i>		C	28.2	D	45.2
12	S. Carson & Clearview Drive	Signalized				
	<i>Overall</i>		D	40.9	E	57.5
13	S. Carson & Overland/Snyder Ave*	Side Street STOP				
	<i>Overall</i>			1.9		9.9
	<i>Eastbound</i>		B	10.4	D	27.2
	<i>Westbound</i>		B	12.0	C	22.5
14	S. Carson & Appion Way*	Side Street STOP				
	<i>Overall</i>			5.7		66.0
	<i>Eastbound Right</i>		A	6.4	E	46.2

























*Movement Delay based on SimTraffic Microsimulation

Source: Headway Transportation, 2019

HCM 2010 Signalized Intersection Summary
 1: S. Carson St/S Carson Street & 5th Street

2040 Cumulative Peak Hour Traffic - PM

04/02/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	85	292	133	52	212	67	94	525	76	24	682	27
Future Volume (veh/h)	85	292	133	52	212	67	94	525	76	24	682	27
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	92	317	145	57	230	73	102	571	83	26	741	29
Adj No. of Lanes	1	1	1	1	1	1	1	1	0	1	1	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	269	471	400	203	471	400	267	870	127	338	974	38
Arrive On Green	0.25	0.25	0.25	0.25	0.25	0.25	0.55	0.55	0.55	0.55	0.55	0.55
Sat Flow, veh/h	1072	1863	1583	926	1863	1583	696	1591	231	776	1781	70
Grp Volume(v), veh/h	92	317	145	57	230	73	102	0	654	26	0	770
Grp Sat Flow(s),veh/h/ln	1072	1863	1583	926	1863	1583	696	0	1822	776	0	1850
Q Serve(g_s), s	5.2	10.0	4.9	3.8	6.8	2.3	8.7	0.0	16.5	1.6	0.0	21.0
Cycle Q Clear(g_c), s	12.0	10.0	4.9	13.8	6.8	2.3	29.6	0.0	16.5	18.1	0.0	21.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.13	1.00		0.04
Lane Grp Cap(c), veh/h	269	471	400	203	471	400	267	0	997	338	0	1012
V/C Ratio(X)	0.34	0.67	0.36	0.28	0.49	0.18	0.38	0.00	0.66	0.08	0.00	0.76
Avail Cap(c_a), veh/h	278	487	414	211	487	414	267	0	997	338	0	1012
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	25.8	21.9	20.0	28.1	20.7	19.0	22.9	0.0	10.4	16.8	0.0	11.4
Incr Delay (d2), s/veh	0.7	3.5	0.6	0.7	0.8	0.2	4.1	0.0	3.4	0.4	0.0	5.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	5.6	2.2	1.0	3.6	1.0	1.9	0.0	9.1	0.4	0.0	12.0
LnGrp Delay(d),s/veh	26.6	25.3	20.5	28.8	21.5	19.2	27.0	0.0	13.8	17.2	0.0	16.8
LnGrp LOS	C	C	C	C	C	B	C		B	B		B
Approach Vol, veh/h		554			360			756				796
Approach Delay, s/veh		24.3			22.2			15.6				16.8
Approach LOS		C			C			B				B
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		42.1		22.9		42.1		22.9				
Change Period (Y+Rc), s		6.5		6.5		6.5		6.5				
Max Green Setting (Gmax), s		35.0		17.0		35.0		17.0				
Max Q Clear Time (g_c+I1), s		31.6		14.0		23.0		15.8				
Green Ext Time (p_c), s		2.7		1.4		8.2		0.6				
Intersection Summary												
HCM 2010 Ctrl Delay				18.9								
HCM 2010 LOS				B								

HCM Signalized Intersection Capacity Analysis

7: Fairview Drive























2040 Cumulative Peak Hour Traffic - PM 04/03/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	2	0	1	442	1	99	0	1019	279	173	1356	1
Future Volume (vph)	2	0	1	442	1	99	0	1019	279	173	1356	1
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	6.5	6.5		6.5	6.5	6.5		6.5	6.5	6.5	6.5	
Lane Util. Factor	1.00	1.00		0.95	0.95	1.00		0.95	1.00	1.00	0.95	
Fr _t	1.00	0.85		1.00	1.00	0.85		1.00	0.85	1.00	1.00	
Fl _t Protected	0.95	1.00		0.95	0.95	1.00		1.00	1.00	0.95	1.00	
Satd. Flow (prot)	1770	1583		1681	1686	1583		3539	1583	1770	3539	
Fl _t Permitted	0.95	1.00		0.95	0.39	1.00		1.00	1.00	0.95	1.00	
Satd. Flow (perm)	1770	1583		1681	686	1583		3539	1583	1770	3539	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	2	0	1	480	1	108	0	1108	303	188	1474	1
RTOR Reduction (vph)	0	1	0	0	0	72	0	0	58	0	0	0
Lane Group Flow (vph)	2	0	0	240	241	36	0	1108	245	188	1475	0
Turn Type	Prot	NA		Prot	NA	Perm	Prot	NA	pt+ov	Prot	NA	
Protected Phases	7	4		3	8		5	2	2 3	1	6	
Permitted Phases						8						
Actuated Green, G (s)	1.3	3.8		50.9	61.2	53.4		58.5	115.9	20.8	85.8	
Effective Green, g (s)	1.3	3.8		50.9	61.2	53.4		58.5	115.9	20.8	85.8	
Actuated g/C Ratio	0.01	0.02		0.32	0.38	0.33		0.37	0.72	0.13	0.54	
Clearance Time (s)	6.5	6.5		6.5	6.5	6.5		6.5		6.5	6.5	
Vehicle Extension (s)	3.0	3.0		3.0	3.0	3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)	14	37		534	580	528		1293	1146	230	1897	
v/s Ratio Prot	0.00	0.00		c0.14	0.13			c0.31	0.15	0.11	c0.42	
v/s Ratio Perm					c0.03	0.02						
v/c Ratio	0.14	0.00		0.45	0.42	0.07		0.86	0.21	0.82	0.78	
Uniform Delay, d ₁	78.8	76.2		43.4	36.3	36.3		46.9	7.2	67.8	29.5	
Progression Factor	1.00	1.00		1.00	1.00	1.00		1.22	2.44	1.00	1.00	
Incremental Delay, d ₂	4.7	0.0		0.6	0.5	0.1		7.1	0.1	19.7	3.2	
Delay (s)	83.5	76.3		44.0	36.8	36.4		64.0	17.6	87.4	32.7	
Level of Service	F	E		D	D	D		E	B	F	C	
Approach Delay (s)		81.1			39.6			54.1			38.9	
Approach LOS		F			D			D			D	
Intersection Summary												
HCM 2000 Control Delay			44.9	HCM 2000 Level of Service				D				
HCM 2000 Volume to Capacity ratio			0.71									
Actuated Cycle Length (s)			160.0	Sum of lost time (s)				26.0				
Intersection Capacity Utilization			76.9%	ICU Level of Service				D				
Analysis Period (min)			15									

c Critical Lane Group























HCM 2010 Signalized Intersection Summary
 21: Koontz Lane

2040 Cumulative Peak Hour Traffic - PM 04/02/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	70	79	68	97	34	80	46	1035	103	100	1469	89
Future Volume (veh/h)	70	79	68	97	34	80	46	1035	103	100	1469	89
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	76	86	0	105	37	87	50	1125	112	109	1597	97
Adj No. of Lanes	1	1	1	1	1	0	1	2	0	1	2	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	95	111	94	147	44	103	245	2021	201	130	1889	114
Arrive On Green	0.05	0.06	0.00	0.08	0.09	0.09	0.14	0.62	0.62	0.07	0.56	0.56
Sat Flow, veh/h	1774	1863	1583	1774	495	1163	1774	3252	323	1774	3391	205
Grp Volume(v), veh/h	76	86	0	105	0	124	50	612	625	109	829	865
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1774	0	1658	1774	1770	1806	1774	1770	1827
Q Serve(g_s), s	6.8	7.3	0.0	9.2	0.0	11.8	4.0	32.0	32.1	9.7	62.5	63.8
Cycle Q Clear(g_c), s	6.8	7.3	0.0	9.2	0.0	11.8	4.0	32.0	32.1	9.7	62.5	63.8
Prop In Lane	1.00		1.00	1.00		0.70	1.00		0.18	1.00		0.11
Lane Grp Cap(c), veh/h	95	111	94	147	0	147	245	1100	1122	130	985	1017
V/C Ratio(X)	0.80	0.77	0.00	0.71	0.00	0.84	0.20	0.56	0.56	0.84	0.84	0.85
Avail Cap(c_a), veh/h	128	239	203	172	0	254	245	1100	1122	216	985	1017
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	74.8	74.2	0.0	71.5	0.0	71.8	61.2	17.5	17.5	73.2	29.6	29.8
Incr Delay (d2), s/veh	22.0	10.9	0.0	10.9	0.0	12.0	0.4	2.0	2.0	13.4	8.6	8.9
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.9	4.1	0.0	5.0	0.0	5.9	2.0	16.2	16.6	5.2	32.8	34.5
LnGrp Delay(d),s/veh	96.8	85.1	0.0	82.4	0.0	83.7	61.6	19.5	19.5	86.6	38.2	38.7
LnGrp LOS	F	F		F		F	E	B	B	F	D	D
Approach Vol, veh/h		162			229			1287			1803	
Approach Delay, s/veh		90.6			83.1			21.2			41.4	
Approach LOS		F			F			C			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	18.2	105.9	19.8	16.0	28.6	95.6	15.1	20.7				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	19.5	78.5	15.5	20.5	8.9	89.1	11.5	24.5				
Max Q Clear Time (g_c+I1), s	11.7	34.1	11.2	9.3	6.0	65.8	8.8	13.8				
Green Ext Time (p_c), s	0.1	10.0	0.2	0.3	0.1	12.8	0.1	0.4				
Intersection Summary												
HCM 2010 Ctrl Delay				38.9								
HCM 2010 LOS				D								

























HCM 2010 Signalized Intersection Summary
 24: Eagle Station Lane

2040 Cumulative Peak Hour Traffic - PM 04/02/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	26	22	28	92	19	80	32	1230	71	117	1528	34
Future Volume (veh/h)	26	22	28	92	19	80	32	1230	71	117	1528	34
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	28	24	30	100	21	87	35	1337	77	127	1661	37
Adj No. of Lanes	1	1	0	1	1	0	1	2	1	1	2	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	58	33	42	120	25	104	351	1660	743	474	1904	852
Arrive On Green	0.03	0.04	0.04	0.07	0.08	0.08	0.20	0.47	0.47	0.27	0.54	0.54
Sat Flow, veh/h	1774	754	942	1774	317	1314	1774	3539	1583	1774	3539	1583
Grp Volume(v), veh/h	28	0	54	100	0	108	35	1337	77	127	1661	37
Grp Sat Flow(s),veh/h/ln	1774	0	1696	1774	0	1631	1774	1770	1583	1774	1770	1583
Q Serve(g_s), s	2.7	0.0	5.4	9.5	0.0	11.2	2.8	55.1	4.6	9.7	69.9	1.9
Cycle Q Clear(g_c), s	2.7	0.0	5.4	9.5	0.0	11.2	2.8	55.1	4.6	9.7	69.9	1.9
Prop In Lane	1.00		0.56	1.00		0.81	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	58	0	75	120	0	129	351	1660	743	474	1904	852
V/C Ratio(X)	0.48	0.00	0.72	0.83	0.00	0.84	0.10	0.81	0.10	0.27	0.87	0.04
Avail Cap(c_a), veh/h	81	0	268	171	0	236	351	1660	743	474	1904	852
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	0.74	0.74	0.74	1.00	1.00	1.00
Uniform Delay (d), s/veh	81.3	0.0	80.7	78.8	0.0	77.6	56.1	38.7	25.3	49.5	34.4	18.7
Incr Delay (d2), s/veh	6.2	0.0	12.1	20.7	0.0	13.0	0.1	3.2	0.2	0.3	5.9	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	0.0	2.8	5.4	0.0	5.5	1.4	27.7	2.1	4.8	35.5	0.8
LnGrp Delay(d),s/veh	87.5	0.0	92.7	99.4	0.0	90.6	56.2	42.0	25.5	49.8	40.2	18.8
LnGrp LOS	F		F	F		F	E	D	C	D	D	B
Approach Vol, veh/h		82			208			1449			1825	
Approach Delay, s/veh		90.9			94.9			41.4			40.5	
Approach LOS		F			F			D			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	52.2	86.7	18.0	14.1	40.4	98.5	12.1	20.1				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	21.3	80.2	16.5	27.0	9.5	92.0	7.8	24.7				
Max Q Clear Time (g_c+I1), s	11.7	57.1	11.5	7.4	4.8	71.9	4.7	13.2				
Green Ext Time (p_c), s	0.3	10.3	0.1	0.2	0.2	12.1	0.1	0.4				
Intersection Summary												
HCM 2010 Ctrl Delay			45.2									
HCM 2010 LOS			D									

HCM 2010 Signalized Intersection Summary
27: Clearview Drive

2040 Cumulative Peak Hour Traffic - PM 04/02/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	192	88	154	289	77	49	99	1104	219	53	1531	73
Future Volume (veh/h)	192	88	154	289	77	49	99	1104	219	53	1531	73
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	209	96	0	314	84	53	108	1200	238	58	1664	79
Adj No. of Lanes	1	1	1	2	1	1	1	2	1	1	2	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	227	161	137	360	117	99	280	1710	765	290	1682	79
Arrive On Green	0.13	0.09	0.00	0.10	0.06	0.06	0.16	0.48	0.48	0.16	0.49	0.49
Sat Flow, veh/h	1774	1863	1583	3442	1863	1583	1774	3539	1583	1774	3441	163
Grp Volume(v), veh/h	209	96	0	314	84	53	108	1200	238	58	852	891
Grp Sat Flow(s),veh/h/ln	1774	1863	1583	1721	1863	1583	1774	1770	1583	1774	1770	1834
Q Serve(g_s), s	18.6	7.9	0.0	14.4	7.1	5.2	8.7	42.4	14.6	4.5	75.9	77.3
Cycle Q Clear(g_c), s	18.6	7.9	0.0	14.4	7.1	5.2	8.7	42.4	14.6	4.5	75.9	77.3
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.09
Lane Grp Cap(c), veh/h	227	161	137	360	117	99	280	1710	765	290	865	896
V/C Ratio(X)	0.92	0.60	0.00	0.87	0.72	0.53	0.39	0.70	0.31	0.20	0.98	0.99
Avail Cap(c_a), veh/h	227	288	244	415	274	233	280	1710	765	290	865	896
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.68	0.68	0.68
Uniform Delay (d), s/veh	68.9	70.4	0.0	70.6	73.6	72.7	60.4	32.3	25.2	57.9	40.3	40.7
Incr Delay (d2), s/veh	38.4	3.5	0.0	16.5	8.0	4.4	0.9	2.4	1.1	0.2	21.9	23.5
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.5	4.3	0.0	7.7	3.9	2.4	4.4	21.2	6.6	2.2	42.2	45.0
LnGrp Delay(d),s/veh	107.3	73.9	0.0	87.1	81.5	77.1	61.3	34.8	26.2	58.1	62.2	64.2
LnGrp LOS	F	E		F	F	E	E	C	C	E	E	E
Approach Vol, veh/h		305			451			1546			1801	
Approach Delay, s/veh		96.8			84.9			35.3			63.0	
Approach LOS		F			F			D			E	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	32.6	83.8	23.2	20.3	31.7	84.7	27.0	16.6				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	12.7	77.3	19.3	24.7	11.8	78.2	20.5	23.5				
Max Q Clear Time (g_c+I1), s	6.5	44.4	16.4	9.9	10.7	79.3	20.6	9.1				
Green Ext Time (p_c), s	0.2	11.0	0.3	1.0	0.0	0.0	0.0	1.0				
Intersection Summary												
HCM 2010 Ctrl Delay			57.5									
HCM 2010 LOS			E									

HCM 2010 TWSC
10: Colorado Street

2040 Cumulative Peak Hour Traffic - PM 04/02/2019

Intersection												
Int Delay, s/veh	3.8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕		↕	↕		↕	↕	
Traffic Vol, veh/h	7	0	2	12	2	27	3	1138	45	58	1577	46
Future Vol, veh/h	7	0	2	12	2	27	3	1138	45	58	1577	46
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	75	-	-	140	-	-	75	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	8	0	2	13	2	29	3	1237	49	63	1714	50

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	2491	3157	882	2251	3158	643	1764	0	0	1286	0	0
Stage 1	1865	1865	-	1268	1268	-	-	-	-	-	-	-
Stage 2	626	1292	-	983	1890	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	15	11	289	23	10	416	350	-	-	535	-	-
Stage 1	75	121	-	178	238	-	-	-	-	-	-	-
Stage 2	439	232	-	267	117	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	10	10	289	21	9	416	350	-	-	535	-	-
Mov Cap-2 Maneuver	10	10	-	21	9	-	-	-	-	-	-	-
Stage 1	74	107	-	176	236	-	-	-	-	-	-	-
Stage 2	401	230	-	234	103	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	537.5	135.1	0	0.4
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	350	-	-	13	21	101	535	-	-
HCM Lane V/C Ratio	0.009	-	-	0.753	0.621	0.312	0.118	-	-
HCM Control Delay (s)	15.4	-	-	537.5	326.1	56	12.6	-	-
HCM Lane LOS	C	-	-	F	F	F	B	-	-
HCM 95th %tile Q(veh)	0	-	-	1.7	1.8	1.2	0.4	-	-

Notes
 ~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	43.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↵		↶		↷	↶	↵	↷		↶	↷	↶
Traffic Vol, veh/h	43	0	65	1	1	1	63	1246	1	0	1655	95
Future Vol, veh/h	43	0	65	1	1	1	63	1246	1	0	1655	95
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	None	-	-	None
Storage Length	150	-	0	-	-	0	100	-	-	75	-	135
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	47	0	71	1	1	1	68	1354	1	0	1799	103

Major/Minor	Minor2	Minor1		Major1			Major2					
Conflicting Flow All	2613	-	900	2391	3393	678	1902	0	0	1355	0	0
Stage 1	1799	-	-	1491	1491	-	-	-	-	-	-	-
Stage 2	814	-	-	900	1902	-	-	-	-	-	-	-
Critical Hdwy	7.54	-	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	-	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	-	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	-	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	~ 12	0	282	18	7	395	309	-	-	504	-	-
Stage 1	83	0	-	129	185	-	-	-	-	-	-	-
Stage 2	338	0	-	300	116	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	~ 8	-	282	11	5	395	309	-	-	504	-	-
Mov Cap-2 Maneuver	~ 8	-	-	11	5	-	-	-	-	-	-	-
Stage 1	65	-	-	101	144	-	-	-	-	-	-	-
Stage 2	261	-	-	225	116	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, \$	1241.2	\$ 454	1	0
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	309	-	-	8	282	7	395	504	-	-
HCM Lane V/C Ratio	0.222	-	-	5.842	0.251	0.311	0.003	-	-	-
HCM Control Delay (s)	19.9	-	-	\$ 3084.1	22\$	673.9	14.1	0	-	-
HCM Lane LOS	C	-	-	F	C	F	B	A	-	-
HCM 95th %tile Q(veh)	0.8	-	-	7.3	1	0.7	0	0	-	-

Notes
 ~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	3.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕	↕	↕		↕	↕	↕
Traffic Vol, veh/h	7	0	9	9	0	56	3	1132	27	84	1563	8
Future Vol, veh/h	7	0	9	9	0	56	3	1132	27	84	1563	8
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	None	-	-	None
Storage Length	-	-	-	-	-	75	100	-	-	100	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	8	0	10	10	0	61	3	1230	29	91	1699	9

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	2502	3146	850	2283	3141	630	1708	0	0	1259	0	0
Stage 1	1881	1881	-	1251	1251	-	-	-	-	-	-	-
Stage 2	621	1265	-	1032	1890	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	15	11	304	21	11	424	368	-	-	548	-	-
Stage 1	73	119	-	183	242	-	-	-	-	-	-	-
Stage 2	442	239	-	249	117	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	11	9	304	18	9	424	368	-	-	548	-	-
Mov Cap-2 Maneuver	11	9	-	18	9	-	-	-	-	-	-	-
Stage 1	72	99	-	182	240	-	-	-	-	-	-	-
Stage 2	375	237	-	201	98	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	322.7		60.8		0		0.7	
HCM LOS	F		F					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	368	-	-	24	18	424	548	-	-
HCM Lane V/C Ratio	0.009	-	-	0.725	0.543	0.144	0.167	-	-
HCM Control Delay (s)	14.9	-	-	322.7	346.1	14.9	12.9	-	-
HCM Lane LOS	B	-	-	F	F	B	B	-	-
HCM 95th %tile Q(veh)	0	-	-	2.2	1.5	0.5	0.6	-	-

Notes
 ~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	3.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕	↕	↕↔		↕	↕↔	
Traffic Vol, veh/h	2	1	26	16	0	8	13	1255	48	3	1640	28
Future Vol, veh/h	2	1	26	16	0	8	13	1255	48	3	1640	28
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	None	-	-	None
Storage Length	-	-	-	-	-	75	100	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	1	28	17	0	9	14	1364	52	3	1783	30

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	2514	3248	907	2316	3237	708	1813	0	0	1416	0	0
Stage 1	1804	1804	-	1418	1418	-	-	-	-	-	-	-
Stage 2	710	1444	-	898	1819	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	14	9	279	20	9	377	335	-	-	477	-	-
Stage 1	82	130	-	144	201	-	-	-	-	-	-	-
Stage 2	391	195	-	301	127	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	13	9	279	~ 16	9	377	335	-	-	477	-	-
Mov Cap-2 Maneuver	13	9	-	~ 16	9	-	-	-	-	-	-	-
Stage 1	79	129	-	138	193	-	-	-	-	-	-	-
Stage 2	366	187	-	267	126	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	75.3	\$ 392.9	0.2	0
HCM LOS	F	F		

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	335	-	-	81	16	377	477	-	-
HCM Lane V/C Ratio	0.042	-	-	0.389	1.087	0.023	0.007	-	-
HCM Control Delay (s)	16.2	-	-	75.3	581.9	14.8	12.6	-	-
HCM Lane LOS	C	-	-	F	F	B	B	-	-
HCM 95th %tile Q(veh)	0.1	-	-	1.5	2.6	0.1	0	-	-

Notes
 ~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection												
Int Delay, s/veh	9.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕				↗	↖	↑↑↑	↗	↖	↕	
Traffic Vol, veh/h	2	0	67	0	0	87	114	1368	81	101	1904	18
Future Vol, veh/h	2	0	67	0	0	87	114	1368	81	101	1904	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	Free	-	-	None
Storage Length	-	-	-	-	-	0	200	-	150	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	0	73	0	0	95	124	1487	88	110	2070	20

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	3143	4035	1045	-	-	744	2090	0	-	1487	0	0
Stage 1	2300	2300	-	-	-	-	-	-	-	-	-	-
Stage 2	843	1735	-	-	-	-	-	-	-	-	-	-
Critical Hdwy	6.99	6.54	6.94	-	-	7.14	4.14	-	-	5.34	-	-
Critical Hdwy Stg 1	6.54	5.54	-	-	-	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.74	5.54	-	-	-	-	-	-	-	-	-	-
Follow-up Hdwy	3.67	4.02	3.32	-	-	3.92	2.22	-	-	3.12	-	-
Pot Cap-1 Maneuver	7	3	225	0	0	306	261	-	0	226	-	-
Stage 1	39	72	-	0	0	-	-	-	0	-	-	-
Stage 2	302	140	-	0	0	-	-	-	0	-	-	-
Platoon blocked, %								-			-	-
Mov Cap-1 Maneuver	~ 2	1	225	-	-	306	261	-	-	226	-	-
Mov Cap-2 Maneuver	~ 2	1	-	-	-	-	-	-	-	-	-	-
Stage 1	20	37	-	-	-	-	-	-	-	-	-	-
Stage 2	110	74	-	-	-	-	-	-	-	-	-	-

Approach	EB	WB	NB	SB
HCM Control Delay, s\$	394.3	21.9	2.4	1.8
HCM LOS	F	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	261	-	53	306	226	-	-
HCM Lane V/C Ratio	0.475	-	1.415	0.309	0.486	-	-
HCM Control Delay (s)	30.7	-	\$ 394.3	21.9	35.1	-	-
HCM Lane LOS	D	-	F	C	E	-	-
HCM 95th %tile Q(veh)	2.4	-	6.9	1.3	2.4	-	-

Notes
 ~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection						
Int Delay, s/veh	66					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations		↗	↘	↑↑↑	↑↑↑	↗
Traffic Vol, veh/h	0	301	248	1549	1768	167
Future Vol, veh/h	0	301	248	1549	1768	167
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Stop	-	None	-	None
Storage Length	-	0	450	-	-	300
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	327	270	1684	1922	182

Major/Minor	Minor2	Major1	Major2		
Conflicting Flow All	-	961	2104	0	0
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	7.14	5.34	-	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.92	3.12	-	-
Pot Cap-1 Maneuver	0 ~ 220	~ 111	-	-	-
Stage 1	0	-	-	-	-
Stage 2	0	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	- ~ 220	~ 111	-	-	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	282.5	100.9	0
HCM LOS	F		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	~ 111	-	220	-	-
HCM Lane V/C Ratio	2.429	-	1.487	-	-
HCM Control Delay (s)	\$ 731.3	-	282.5	-	-
HCM Lane LOS	F	-	F	-	-
HCM 95th %tile Q(veh)	24	-	19.6	-	-

Notes
 ~: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon

Intersection						
Int Delay, s/veh	0.2					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↗	↕		↖	↕
Traffic Vol, veh/h	0	32	1294	42	0	1679
Future Vol, veh/h	0	32	1294	42	0	1679
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	None
Storage Length	-	-	-	-	50	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	35	1407	46	0	1825

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	-	727	0	0	1453
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	6.94	-	-	4.14
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.32	-	-	2.22
Pot Cap-1 Maneuver	0	366	-	-	462
Stage 1	0	-	-	-	-
Stage 2	0	-	-	-	-
Platoon blocked, %					
Mov Cap-1 Maneuver	-	366	-	-	462
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	15.9	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	366	462
HCM Lane V/C Ratio	-	-	0.095	-
HCM Control Delay (s)	-	-	15.9	0
HCM Lane LOS	-	-	C	A
HCM 95th %tile Q(veh)	-	-	0.3	0

Intersection						
Int Delay, s/veh	0.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↘	↗	↑	↗	↘	↗↗
Traffic Vol, veh/h	19	16	780	14	10	910
Future Vol, veh/h	19	16	780	14	10	910
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	0	75	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	21	17	848	15	11	989

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1365	848	0	0	863
Stage 1	848	-	-	-	-
Stage 2	517	-	-	-	-
Critical Hdwy	6.63	6.23	-	-	4.13
Critical Hdwy Stg 1	5.43	-	-	-	-
Critical Hdwy Stg 2	5.83	-	-	-	-
Follow-up Hdwy	3.519	3.319	-	-	2.219
Pot Cap-1 Maneuver	150	360	-	-	777
Stage 1	419	-	-	-	-
Stage 2	564	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	148	360	-	-	777
Mov Cap-2 Maneuver	284	-	-	-	-
Stage 1	419	-	-	-	-
Stage 2	556	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	17.2	0	0.1
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	284	360	777
HCM Lane V/C Ratio	-	-	0.073	0.048	0.014
HCM Control Delay (s)	-	-	18.7	15.5	9.7
HCM Lane LOS	-	-	C	C	A
HCM 95th %tile Q(veh)	-	-	0.2	0.2	0

HCM 2010 Signalized Intersection Summary
 1: S. Carson St/S Carson Street & 5th Street

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	35	162	73	46	153	27	70	513	28	14	348	13
Future Volume (veh/h)	35	162	73	46	153	27	70	513	28	14	348	13
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	38	176	79	50	166	29	76	558	30	15	378	14
Adj No. of Lanes	1	1	1	1	1	1	1	1	0	1	1	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	232	340	289	220	340	289	102	1081	58	472	821	30
Arrive On Green	0.18	0.18	0.18	0.18	0.18	0.18	0.06	0.62	0.62	0.46	0.46	0.46
Sat Flow, veh/h	1183	1863	1583	1120	1863	1583	1774	1752	94	825	1785	66
Grp Volume(v), veh/h	38	176	79	50	166	29	76	0	588	15	0	392
Grp Sat Flow(s),veh/h/ln	1183	1863	1583	1120	1863	1583	1774	0	1846	825	0	1851
Q Serve(g_s), s	1.9	5.5	2.8	2.7	5.2	1.0	2.7	0.0	11.6	0.7	0.0	9.4
Cycle Q Clear(g_c), s	7.1	5.5	2.8	8.3	5.2	1.0	2.7	0.0	11.6	2.1	0.0	9.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		0.05	1.00		0.04
Lane Grp Cap(c), veh/h	232	340	289	220	340	289	102	0	1139	472	0	851
V/C Ratio(X)	0.16	0.52	0.27	0.23	0.49	0.10	0.75	0.00	0.52	0.03	0.00	0.46
Avail Cap(c_a), veh/h	327	490	417	310	490	417	177	0	1139	472	0	851
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.0	24.0	22.8	27.7	23.8	22.1	30.2	0.0	7.0	10.4	0.0	12.0
Incr Delay (d2), s/veh	0.3	1.2	0.5	0.5	1.1	0.1	10.3	0.0	1.7	0.1	0.0	1.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	3.0	1.3	0.9	2.8	0.4	1.6	0.0	6.4	0.2	0.0	5.2
LnGrp Delay(d),s/veh	27.4	25.2	23.3	28.2	24.9	22.3	40.5	0.0	8.7	10.6	0.0	13.8
LnGrp LOS	C	C	C	C	C	C	D		A	B		B
Approach Vol, veh/h		293			245			664				407
Approach Delay, s/veh		25.0			25.3			12.3				13.7
Approach LOS		C			C			B				B
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4	5	6		8				
Phs Duration (G+Y+Rc), s		46.6		18.4	10.2	36.4		18.4				
Change Period (Y+Rc), s		6.5		6.5	6.5	6.5		6.5				
Max Green Setting (Gmax), s		34.9		17.1	6.5	21.9		17.1				
Max Q Clear Time (g_c+I1), s		13.6		9.1	4.7	11.4		10.3				
Green Ext Time (p_c), s		7.2		1.8	0.0	4.9		1.6				
Intersection Summary												
HCM 2010 Ctrl Delay				16.9								
HCM 2010 LOS				B								

HCM Signalized Intersection Capacity Analysis

7: Fairview Drive

2040 Cumulative Peak Hour Traffic - AM 04/03/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	0	2	0	317	0	85	0	1242	155	74	700	2
Future Volume (vph)	0	2	0	317	0	85	0	1242	155	74	700	2
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		6.5		6.5	6.5	6.5		6.5	6.5	6.5	6.5	
Lane Util. Factor		1.00		0.95	0.95	1.00		0.95	1.00	1.00	0.95	
Flt		1.00		1.00	1.00	0.85		1.00	0.85	1.00	1.00	
Flt Protected		1.00		0.95	0.95	1.00		1.00	1.00	0.95	1.00	
Satd. Flow (prot)		1863		1681	1681	1583		3539	1583	1770	3538	
Flt Permitted		1.00		0.95	0.39	1.00		1.00	1.00	0.95	1.00	
Satd. Flow (perm)		1863		1681	687	1583		3539	1583	1770	3538	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	0	2	0	345	0	92	0	1350	168	80	761	2
RTOR Reduction (vph)	0	0	0	0	0	58	0	0	29	0	0	0
Lane Group Flow (vph)	0	2	0	172	173	34	0	1350	139	80	763	0
Turn Type	Prot	NA		Prot	NA	Perm	Prot	NA	pt+ov	Prot	NA	
Protected Phases	7	4		3	8		5	2	2 3	1	6	
Permitted Phases						8						
Actuated Green, G (s)		3.8		48.8	59.1	59.1		69.8	118.6	11.6	87.9	
Effective Green, g (s)		3.8		48.8	59.1	59.1		69.8	118.6	11.6	87.9	
Actuated g/C Ratio		0.02		0.30	0.37	0.37		0.44	0.74	0.07	0.55	
Clearance Time (s)		6.5		6.5	6.5	6.5		6.5		6.5	6.5	
Vehicle Extension (s)		3.0		3.0	3.0	3.0		3.0		3.0	3.0	
Lane Grp Cap (vph)		44		512	556	584		1543	1173	128	1943	
v/s Ratio Prot		0.00		c0.10	0.09			c0.38	0.09	c0.05	0.22	
v/s Ratio Perm					c0.02	0.02						
v/c Ratio		0.05		0.34	0.31	0.06		0.87	0.12	0.62	0.39	
Uniform Delay, d1		76.3		43.1	35.9	32.5		41.1	5.9	72.1	20.7	
Progression Factor		1.00		1.00	1.00	1.00		1.44	2.03	1.00	1.00	
Incremental Delay, d2		0.4		0.4	0.3	0.0		6.8	0.0	9.2	0.6	
Delay (s)		76.8		43.4	36.3	32.6		66.0	11.9	81.2	21.3	
Level of Service		E		D	D	C		E	B	F	C	
Approach Delay (s)		76.8			38.3			60.0			27.0	
Approach LOS		E			D			E			C	























Intersection Summary

HCM 2000 Control Delay	46.7	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.65		
Actuated Cycle Length (s)	160.0	Sum of lost time (s)	26.0
Intersection Capacity Utilization	70.2%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group

HCM 2010 Signalized Intersection Summary
21: Koontz Lane

2040 Cumulative Peak Hour Traffic - AM 05/06/2019

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	46	49	44	64	35	72	36	1176	39	35	607	41
Future Volume (veh/h)	46	49	44	64	35	72	36	1176	39	35	607	41
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1845	1845	1845	1900	1845	1845	1900	1845	1845	1900
Adj Flow Rate, veh/h	50	53	0	70	38	78	39	1278	42	38	660	45
Adj No. of Lanes	1	1	1	1	1	0	1	2	0	1	2	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	64	77	65	141	46	95	296	2382	78	49	1821	124
Arrive On Green	0.04	0.04	0.00	0.08	0.09	0.09	0.17	0.69	0.69	0.03	0.55	0.55
Sat Flow, veh/h	1757	1845	1568	1757	540	1109	1757	3463	114	1757	3330	227
Grp Volume(v), veh/h	50	53	0	70	0	116	39	646	674	38	347	358
Grp Sat Flow(s),veh/h/ln	1757	1845	1568	1757	0	1649	1757	1752	1825	1757	1752	1805
Q Serve(g_s), s	4.5	4.5	0.0	6.1	0.0	11.1	3.0	29.2	29.3	3.4	17.9	17.9
Cycle Q Clear(g_c), s	4.5	4.5	0.0	6.1	0.0	11.1	3.0	29.2	29.3	3.4	17.9	17.9
Prop In Lane	1.00		1.00	1.00		0.67	1.00		0.06	1.00		0.13
Lane Grp Cap(c), veh/h	64	77	65	141	0	141	296	1205	1255	49	958	987
V/C Ratio(X)	0.78	0.69	0.00	0.50	0.00	0.82	0.13	0.54	0.54	0.78	0.36	0.36
Avail Cap(c_a), veh/h	126	236	201	170	0	253	296	1205	1255	115	958	987
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	76.4	75.6	0.0	70.5	0.0	72.0	56.6	12.4	12.4	77.3	20.5	20.5
Incr Delay (d2), s/veh	18.2	10.4	0.0	2.7	0.0	11.2	0.2	1.7	1.7	22.7	1.1	1.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.5	2.5	0.0	3.1	0.0	5.5	1.5	14.6	15.2	2.0	9.0	9.2
LnGrp Delay(d),s/veh	94.7	86.0	0.0	73.2	0.0	83.2	56.8	14.1	14.0	100.0	21.5	21.5
LnGrp LOS	F	F		E		F	E	B	B	F	C	C
Approach Vol, veh/h		103			186			1359			743	
Approach Delay, s/veh		90.2			79.4			15.3			25.5	
Approach LOS		F			E			B			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	10.9	116.5	19.3	13.2	33.5	94.0	12.3	20.2				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	10.5	87.5	15.5	20.5	10.5	87.5	11.5	24.5				
Max Q Clear Time (g_c+I1), s	5.4	31.3	8.1	6.5	5.0	19.9	6.5	13.1				
Green Ext Time (p_c), s	0.0	12.7	0.5	0.1	1.0	4.9	0.0	0.6				
Intersection Summary												
HCM 2010 Ctrl Delay			26.7									
HCM 2010 LOS			C									

HCM 2010 Signalized Intersection Summary
 24: Eagle Station Lane

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	23	8	8	26	5	37	19	1244	30	50	744	36
Future Volume (veh/h)	23	8	8	26	5	37	19	1244	30	50	744	36
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1900	1845	1845	1900	1845	1845	1845	1845	1845	1845
Adj Flow Rate, veh/h	25	9	9	28	5	40	21	1352	33	54	809	39
Adj No. of Lanes	1	1	0	1	1	0	1	2	1	1	2	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	36	25	25	55	7	56	338	1971	882	391	2076	929
Arrive On Green	0.02	0.03	0.03	0.03	0.04	0.04	0.19	0.56	0.56	0.22	0.59	0.59
Sat Flow, veh/h	1757	848	848	1757	177	1417	1757	3505	1568	1757	3505	1568
Grp Volume(v), veh/h	25	0	18	28	0	45	21	1352	33	54	809	39
Grp Sat Flow(s),veh/h/ln	1757	0	1695	1757	0	1595	1757	1752	1568	1757	1752	1568
Q Serve(g_s), s	2.4	0.0	1.8	2.6	0.0	4.7	1.6	46.2	1.6	4.1	20.6	1.7
Cycle Q Clear(g_c), s	2.4	0.0	1.8	2.6	0.0	4.7	1.6	46.2	1.6	4.1	20.6	1.7
Prop In Lane	1.00		0.50	1.00		0.89	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	36	0	50	55	0	63	338	1971	882	391	2076	929
V/C Ratio(X)	0.69	0.00	0.36	0.51	0.00	0.71	0.06	0.69	0.04	0.14	0.39	0.04
Avail Cap(c_a), veh/h	89	0	252	89	0	166	338	1971	882	391	2076	929
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	0.79	0.79	0.79	1.00	1.00	1.00
Uniform Delay (d), s/veh	81.8	0.0	80.0	80.1	0.0	79.7	55.4	26.2	16.4	52.4	18.2	14.3
Incr Delay (d2), s/veh	21.3	0.0	4.4	7.3	0.0	13.5	0.1	1.6	0.1	0.2	0.6	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.4	0.0	0.9	1.4	0.0	2.3	0.8	22.8	0.7	2.0	10.0	0.8
LnGrp Delay(d),s/veh	103.0	0.0	84.4	87.4	0.0	93.2	55.5	27.7	16.5	52.6	18.7	14.4
LnGrp LOS	F		F	F		F	E	C	B	D	B	B
Approach Vol, veh/h		43			73			1406			902	
Approach Delay, s/veh		95.2			91.0			27.9			20.5	
Approach LOS		F			F			C			C	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	43.9	101.0	11.7	11.4	38.9	106.0	9.9	13.2				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	13.5	94.5	8.5	25.0	8.5	99.5	8.5	17.5				
Max Q Clear Time (g_c+I1), s	6.1	48.2	4.6	3.8	3.6	22.6	4.4	6.7				
Green Ext Time (p_c), s	0.1	13.0	0.0	0.0	0.0	6.2	0.0	0.1				
Intersection Summary												
HCM 2010 Ctrl Delay			28.2									
HCM 2010 LOS			C									

HCM 2010 Signalized Intersection Summary
27: Clearview Drive

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	209	35	82	148	42	16	31	1084	81	21	721	19
Future Volume (veh/h)	209	35	82	148	42	16	31	1084	81	21	721	19
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1845	1845	1845	1845	1845	1845	1845	1845	1845	1845	1845	1900
Adj Flow Rate, veh/h	227	38	0	161	46	17	34	1178	88	23	784	21
Adj No. of Lanes	1	1	1	2	1	1	1	2	1	1	2	0
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	3	3	3	3	3	3	3	3	3	3	3	3
Cap, veh/h	252	63	53	503	71	60	44	1522	681	389	2201	59
Arrive On Green	0.14	0.03	0.00	0.15	0.04	0.04	0.02	0.43	0.43	0.22	0.63	0.63
Sat Flow, veh/h	1757	1845	1568	3408	1845	1568	1757	3505	1568	1757	3487	93
Grp Volume(v), veh/h	227	38	0	161	46	17	34	1178	88	23	394	411
Grp Sat Flow(s),veh/h/ln	1757	1845	1568	1704	1845	1568	1757	1752	1568	1757	1752	1828
Q Serve(g_s), s	20.3	3.3	0.0	6.8	3.9	1.7	3.1	45.8	5.4	1.7	17.1	17.1
Cycle Q Clear(g_c), s	20.3	3.3	0.0	6.8	3.9	1.7	3.1	45.8	5.4	1.7	17.1	17.1
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		0.05
Lane Grp Cap(c), veh/h	252	63	53	503	71	60	44	1522	681	389	1106	1154
V/C Ratio(X)	0.90	0.61	0.00	0.32	0.65	0.28	0.78	0.77	0.13	0.06	0.36	0.36
Avail Cap(c_a), veh/h	368	496	421	503	271	230	107	1522	681	389	1106	1154
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	0.97	0.97
Uniform Delay (d), s/veh	67.4	76.2	0.0	61.0	75.9	74.8	77.6	38.6	27.1	49.1	14.0	14.0
Incr Delay (d2), s/veh	18.5	9.2	0.0	0.4	9.7	2.5	25.2	3.9	0.4	0.1	0.9	0.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	11.2	1.8	0.0	3.2	2.2	0.8	1.8	22.9	2.4	0.8	8.5	8.8
LnGrp Delay(d),s/veh	85.9	85.4	0.0	61.4	85.6	77.3	102.8	42.4	27.5	49.2	14.9	14.9
LnGrp LOS	F	F		E	F	E	F	D	C	D	B	B
Approach Vol, veh/h		265			224			1300			828	
Approach Delay, s/veh		85.8			67.5			43.0			15.8	
Approach LOS		F			E			D			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	41.9	76.0	30.1	11.9	10.5	107.5	29.4	12.6				
Change Period (Y+Rc), s	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5				
Max Green Setting (Gmax), s	7.5	69.5	14.0	43.0	9.7	67.3	33.5	23.5				
Max Q Clear Time (g_c+I1), s	3.7	47.8	8.8	5.3	5.1	19.1	22.3	5.9				
Green Ext Time (p_c), s	0.1	8.6	0.6	0.2	0.0	5.2	0.6	0.2				
Intersection Summary												
HCM 2010 Ctrl Delay			40.9									
HCM 2010 LOS			D									

HCM 2010 TWSC
10: Colorado Street

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Intersection												
Int Delay, s/veh	2.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕		↕	↕		↕	↕		↕	↕	
Traffic Vol, veh/h	6	0	2	17	3	67	5	1245	23	39	862	24
Future Vol, veh/h	6	0	2	17	3	67	5	1245	23	39	862	24
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	75	-	-	140	-	-	75	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	7	0	2	18	3	73	5	1353	25	42	937	26

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1722	2422	482	1929	2423	689	963	0	0	1378	0	0
Stage 1	1034	1034	-	1376	1376	-	-	-	-	-	-	-
Stage 2	688	1388	-	553	1047	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	57	32	530	40	32	388	711	-	-	493	-	-
Stage 1	248	308	-	153	211	-	-	-	-	-	-	-
Stage 2	403	208	-	485	303	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	39	29	530	37	29	388	711	-	-	493	-	-
Mov Cap-2 Maneuver	39	29	-	37	29	-	-	-	-	-	-	-
Stage 1	246	282	-	152	210	-	-	-	-	-	-	-
Stage 2	320	207	-	442	277	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	89.6		54.5		0		0.5	
HCM LOS	F		F					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	711	-	-	51	37	254	493	-	-
HCM Lane V/C Ratio	0.008	-	-	0.171	0.499	0.3	0.086	-	-
HCM Control Delay (s)	10.1	-	-	89.6	175.5	25.1	13	-	-
HCM Lane LOS	B	-	-	F	F	D	B	-	-
HCM 95th %tile Q(veh)	0	-	-	0.6	1.7	1.2	0.3	-	-

HCM 2010 TWSC
13: Rhodes Street

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Intersection												
Int Delay, s/veh	4.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	↵		↵		↵	↵	↵	↕		↵	↕	↵
Traffic Vol, veh/h	31	0	39	1	1	1	89	1297	0	0	906	87
Future Vol, veh/h	31	0	39	1	1	1	89	1297	0	0	906	87
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	None	-	-	None
Storage Length	150	-	0	-	-	0	100	-	-	75	-	135
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	34	0	42	1	1	1	97	1410	0	0	985	95

Major/Minor	Minor2		Minor1		Major1			Major2				
Conflicting Flow All	1885	-	493	2097	2684	705	1080	0	0	1410	0	0
Stage 1	985	-	-	1604	1604	-	-	-	-	-	-	-
Stage 2	900	-	-	493	1080	-	-	-	-	-	-	-
Critical Hdwy	7.54	-	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	-	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	-	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	-	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	43	0	522	30	22	379	641	-	-	480	-	-
Stage 1	266	0	-	110	163	-	-	-	-	-	-	-
Stage 2	300	0	-	526	293	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	36	-	522	24	19	379	641	-	-	480	-	-
Mov Cap-2 Maneuver	36	-	-	24	19	-	-	-	-	-	-	-
Stage 1	226	-	-	93	138	-	-	-	-	-	-	-
Stage 2	252	-	-	483	293	-	-	-	-	-	-	-

Approach	EB		WB		NB			SB			
HCM Control Delay, s	138.2		135		0.7			0			
HCM LOS	F		F								

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	EBLn2	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	641	-	-	36	522	21	379	480	-	-
HCM Lane V/C Ratio	0.151	-	-	0.936	0.081	0.104	0.003	-	-	-
HCM Control Delay (s)	11.6	-	-	296.3	12.5	195.3	14.5	0	-	-
HCM Lane LOS	B	-	-	F	B	F	B	A	-	-
HCM 95th %tile Q(veh)	0.5	-	-	3.4	0.3	0.3	0	0	-	-

Intersection												
Int Delay, s/veh	2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕	↕	↕		↕	↕	↕
Traffic Vol, veh/h	1	1	1	13	0	87	15	1255	7	38	864	16
Future Vol, veh/h	1	1	1	13	0	87	15	1255	7	38	864	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	None	-	-	None
Storage Length	-	-	-	-	-	75	100	-	-	100	-	50
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	1	1	1	14	0	95	16	1364	8	41	939	17

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1735	2425	470	1952	2438	686	956	0	0	1372	0	0
Stage 1	1021	1021	-	1400	1400	-	-	-	-	-	-	-
Stage 2	714	1404	-	552	1038	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	56	32	540	38	31	390	715	-	-	496	-	-
Stage 1	253	312	-	148	205	-	-	-	-	-	-	-
Stage 2	388	204	-	486	306	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	39	29	540	34	28	390	715	-	-	496	-	-
Mov Cap-2 Maneuver	39	29	-	34	28	-	-	-	-	-	-	-
Stage 1	247	286	-	145	200	-	-	-	-	-	-	-
Stage 2	287	200	-	443	281	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	85.4		37.3		0.1		0.5	
HCM LOS	F		E					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	715	-	-	48	34	390	496	-	-
HCM Lane V/C Ratio	0.023	-	-	0.068	0.416	0.242	0.083	-	-
HCM Control Delay (s)	10.2	-	-	85.4	172	17.2	12.9	-	-
HCM Lane LOS	B	-	-	F	F	C	B	-	-
HCM 95th %tile Q(veh)	0.1	-	-	0.2	1.4	0.9	0.3	-	-

HCM 2010 TWSC
19: Moses Street

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Intersection												
Int Delay, s/veh	0.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕	↕	↕		↕	↕	
Traffic Vol, veh/h	2	0	16	6	1	0	1	1342	10	2	779	31
Future Vol, veh/h	2	0	16	6	1	0	1	1342	10	2	779	31
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	None	-	-	None
Storage Length	-	-	-	-	-	50	100	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	0	17	7	1	0	1	1459	11	2	847	34

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1600	2340	441	1895	2352	735	881	0	0	1470	0	0
Stage 1	868	868	-	1467	1467	-	-	-	-	-	-	-
Stage 2	732	1472	-	428	885	-	-	-	-	-	-	-
Critical Hdwy	7.54	6.54	6.94	7.54	6.54	6.94	4.14	-	-	4.14	-	-
Critical Hdwy Stg 1	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.54	5.54	-	6.54	5.54	-	-	-	-	-	-	-
Follow-up Hdwy	3.52	4.02	3.32	3.52	4.02	3.32	2.22	-	-	2.22	-	-
Pot Cap-1 Maneuver	71	36	564	42	35	362	763	-	-	455	-	-
Stage 1	314	368	-	134	190	-	-	-	-	-	-	-
Stage 2	379	189	-	575	361	-	-	-	-	-	-	-
Platoon blocked, %								-	-	-	-	-
Mov Cap-1 Maneuver	69	36	564	41	35	362	763	-	-	455	-	-
Mov Cap-2 Maneuver	69	36	-	41	35	-	-	-	-	-	-	-
Stage 1	314	367	-	134	190	-	-	-	-	-	-	-
Stage 2	376	189	-	555	360	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	17.2		115		0		0	
HCM LOS	C		F					

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	763	-	-	314	40	-	455	-	-
HCM Lane V/C Ratio	0.001	-	-	0.062	0.19	-	0.005	-	-
HCM Control Delay (s)	9.7	-	-	17.2	115	0	13	-	-
HCM Lane LOS	A	-	-	C	F	A	B	-	-
HCM 95th %tile Q(veh)	0	-	-	0.2	0.6	-	0	-	-

Intersection												
Int Delay, s/veh	1.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕				↗	↖	↑↑↑	↗	↖	↕	
Traffic Vol, veh/h	0	1	45	1	3	100	47	1134	71	55	857	12
Future Vol, veh/h	0	1	45	1	3	100	47	1134	71	55	857	12
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	Stop	-	-	Free	-	-	None
Storage Length	-	-	-	-	-	0	200	-	150	210	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3	3	3	3	3	3	3
Mvmt Flow	0	1	49	1	3	109	51	1233	77	60	932	13

Major/Minor	Minor2		Minor1		Major1		Major2					
Conflicting Flow All	1656	2394	473	1922	2400	617	945	0	-	1233	0	0
Stage 1	1059	1059	-	1335	1335	-	-	-	-	-	-	-
Stage 2	597	1335	-	587	1065	-	-	-	-	-	-	-
Critical Hdwy	7.01	6.56	6.96	7.01	6.56	7.16	4.16	-	-	5.36	-	-
Critical Hdwy Stg 1	6.56	5.56	-	7.36	5.56	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.76	5.56	-	6.56	5.56	-	-	-	-	-	-	-
Follow-up Hdwy	3.68	4.03	3.33	3.68	4.03	3.93	2.23	-	-	3.13	-	-
Pot Cap-1 Maneuver	81	33	535	53	32	369	716	-	0	299	-	-
Stage 1	233	297	-	117	219	-	-	-	0	-	-	-
Stage 2	426	219	-	446	295	-	-	-	0	-	-	-
Platoon blocked, %								-			-	-
Mov Cap-1 Maneuver	41	24	535	37	24	369	716	-	-	299	-	-
Mov Cap-2 Maneuver	41	24	-	37	24	-	-	-	-	-	-	-
Stage 1	216	237	-	109	203	-	-	-	-	-	-	-
Stage 2	275	203	-	322	236	-	-	-	-	-	-	-

Approach	EB		WB		NB		SB	
HCM Control Delay, s	16.4		18.8		0.4		1.2	
HCM LOS	C		C					

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	WBLn1	SBL	SBT	SBR
Capacity (veh/h)	716	-	366	369	299	-	-
HCM Lane V/C Ratio	0.071	-	0.137	0.295	0.2	-	-
HCM Control Delay (s)	10.4	-	16.4	18.8	20	-	-
HCM Lane LOS	B	-	C	C	C	-	-
HCM 95th %tile Q(veh)	0.2	-	0.5	1.2	0.7	-	-

Intersection						
Int Delay, s/veh	5.7					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations		↗	↘	↑↑↑	↑↑↑	↗
Traffic Vol, veh/h	0	231	281	1251	727	182
Future Vol, veh/h	0	231	281	1251	727	182
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Stop	-	None	-	None
Storage Length	-	0	450	-	-	300
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	3	3	3	3	3	3
Mvmt Flow	0	251	305	1360	790	198

Major/Minor	Minor2	Major1	Major2		
Conflicting Flow All	-	395	988	0	0
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-
Critical Hdwy	-	7.16	5.36	-	-
Critical Hdwy Stg 1	-	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-	-
Follow-up Hdwy	-	3.93	3.13	-	-
Pot Cap-1 Maneuver	0	514	394	-	-
Stage 1	0	-	-	-	-
Stage 2	0	-	-	-	-
Platoon blocked, %				-	-
Mov Cap-1 Maneuver	-	514	394	-	-
Mov Cap-2 Maneuver	-	-	-	-	-
Stage 1	-	-	-	-	-
Stage 2	-	-	-	-	-

Approach	EB	NB	SB
HCM Control Delay, s	18.5	7.2	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	394	-	514	-	-
HCM Lane V/C Ratio	0.775	-	0.488	-	-
HCM Control Delay (s)	39.4	-	18.5	-	-
HCM Lane LOS	E	-	C	-	-
HCM 95th %tile Q(veh)	6.5	-	2.7	-	-

HCM 2010 TWSC
35: Raleys Entrance

2040 Cumulative Peak Hour Traffic - AM 04/02/2019

Intersection						
Int Delay, s/veh	0.1					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↘	↗	↕↔			↕↕
Traffic Vol, veh/h	0	8	1277	28	0	779
Future Vol, veh/h	0	8	1277	28	0	779
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	Yield	-	None	-	None
Storage Length	0	75	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	9	1388	30	0	847

Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	1827	709	0	0	-	-
Stage 1	1403	-	-	-	-	-
Stage 2	424	-	-	-	-	-
Critical Hdwy	6.84	6.94	-	-	-	-
Critical Hdwy Stg 1	5.84	-	-	-	-	-
Critical Hdwy Stg 2	5.84	-	-	-	-	-
Follow-up Hdwy	3.52	3.32	-	-	-	-
Pot Cap-1 Maneuver	68	377	-	-	0	-
Stage 1	193	-	-	-	0	-
Stage 2	628	-	-	-	0	-
Platoon blocked, %			-	-	-	-
Mov Cap-1 Maneuver	68	377	-	-	-	-
Mov Cap-2 Maneuver	155	-	-	-	-	-
Stage 1	193	-	-	-	-	-
Stage 2	628	-	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	14.8	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBT	NBRWBLn1WBLn2	SBT
Capacity (veh/h)	-	-	377
HCM Lane V/C Ratio	-	-	0.023
HCM Control Delay (s)	-	-	0 14.8
HCM Lane LOS	-	-	A B
HCM 95th %tile Q(veh)	-	-	0.1

Intersection						
Int Delay, s/veh	0.4					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	↘	↗	↑	↗	↘	↗↗
Traffic Vol, veh/h	16	10	820	29	9	544
Future Vol, veh/h	16	10	820	29	9	544
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	0	-	0	75	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	17	11	891	32	10	591

Major/Minor	Minor1	Major1	Major2		
Conflicting Flow All	1207	891	0	0	923
Stage 1	891	-	-	-	-
Stage 2	316	-	-	-	-
Critical Hdwy	6.63	6.23	-	-	4.13
Critical Hdwy Stg 1	5.43	-	-	-	-
Critical Hdwy Stg 2	5.83	-	-	-	-
Follow-up Hdwy	3.519	3.319	-	-	2.219
Pot Cap-1 Maneuver	189	340	-	-	738
Stage 1	400	-	-	-	-
Stage 2	713	-	-	-	-
Platoon blocked, %			-	-	-
Mov Cap-1 Maneuver	186	340	-	-	738
Mov Cap-2 Maneuver	308	-	-	-	-
Stage 1	400	-	-	-	-
Stage 2	703	-	-	-	-

Approach	WB	NB	SB
HCM Control Delay, s	16.8	0	0.2
HCM LOS	C		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	WBLn2	SBL	SBT
Capacity (veh/h)	-	-	308	340	738
HCM Lane V/C Ratio	-	-	0.056	0.032	0.013
HCM Control Delay (s)	-	-	17.4	15.9	9.9
HCM Lane LOS	-	-	C	C	A
HCM 95th %tile Q(veh)	-	-	0.2	0.1	0

Appendix D
Stewart St Roundabout Level of Service
Analysis

MOVEMENT SUMMARY

Site: S. Carson & Stewart Street - AM 2040

New Site
Roundabout

Movement Performance - Vehicles												
Mov ID	OD Mov	Demand Flows		Deg. Satn	Average Delay	Level of Service	95% Back of Queue		Prop. Queued	Effective Stop Rate	Average Speed	
		Total veh/h	HV %	v/c	sec		Vehicles veh	Distance ft		per veh	mph	
South: S. Carson Street												
8	T1	985	3.0	0.909	29.5	LOS D	23.1	591.9	0.45	0.13	23.3	
18	R2	692	3.0	0.443	0.1	LOS A	0.0	0.0	0.00	0.00	33.0	
Approach		1677	3.0	0.909	17.4	LOS C	23.1	591.9	0.27	0.07	26.5	
East: Stewart Street												
1	L2	221	3.0	0.590	24.2	LOS C	2.7	70.3	0.80	0.92	23.7	
16	R2	14	3.0	0.590	24.2	LOS C	2.7	70.3	0.80	0.92	23.3	
Approach		235	3.0	0.590	24.2	LOS C	2.7	70.3	0.80	0.92	23.6	
North: S. Carson Street												
7	L2	12	3.0	0.243	6.7	LOS A	1.0	24.7	0.39	0.29	30.3	
4	T1	650	3.0	0.243	2.1	LOS A	1.0	24.7	0.12	0.09	32.4	
Approach		662	3.0	0.243	2.2	LOS A	1.0	24.7	0.12	0.09	32.4	
All Vehicles		2574	3.0	0.909	14.1	LOS B	23.1	591.9	0.28	0.16	27.5	

Level of Service (LOS) Method: Delay & v/c (HCM 2010).

Roundabout LOS Method: Same as Sign Control.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).

Roundabout Capacity Model: US HCM 2010.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.

Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: S. Carson & Stewart Street - PM 2040

New Site
Roundabout

Movement Performance - Vehicles												
Mov ID	OD Mov	Demand Flows		Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue		Prop Queued	Effective Stop Rate per veh	Average Speed mph	
		Total veh/h	HV %				Vehicles veh	Distance ft				
South: S. Carson Street												
8	T1	915	3.0	0.849	22.9	LOS C	14.6	373.9	0.36	0.12	24.5	
16	R2	368	3.0	0.246	0.0	LOS A	0.0	0.0	0.00	0.00	32.6	
Approach		1303	3.0	0.849	16.1	LOS C	14.6	373.9	0.27	0.09	26.5	
East: Stewart Street												
1	L2	651	3.0	1.579	295.3	LOS F	86.9	2224.3	1.00	4.87	6.1	
16	R2	24	3.0	1.579	295.3	LOS F	86.9	2224.3	1.00	4.87	6.1	
Approach		675	3.0	1.579	295.3	LOS F	86.9	2224.3	1.00	4.87	6.1	
North: S. Carson Street												
7	L2	17	3.0	0.428	10.9	LOS B	2.0	50.8	0.59	0.61	28.1	
4	T1	1079	3.0	0.428	3.0	LOS A	2.0	50.8	0.16	0.16	31.4	
Approach		1097	3.0	0.428	3.1	LOS A	2.0	50.8	0.16	0.17	31.3	
All Vehicles		3075	3.0	1.579	72.8	LOS F	86.9	2224.3	0.39	1.17	15.8	

Level of Service (LOS) Method: Delay & v/c (HCM 2010).

Roundabout LOS Method: Same as Sign Control.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).

Roundabout Capacity Model: US HCM 2010.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.

Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: S. Carson & Stewart Street (2 Lane RAB) - AM 2040

New Site
Roundabout

Movement Performance - Vehicles												
Mov ID	OD Mov	Total veh/h	Demand Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph	
South: S. Carson Street												
8	T1	991	3.0	0.913	30.0	LOS D	24.3	622.5	0.42	0.11	23.1	
18	R2	598	3.0	0.362	0.1	LOS A	0.0	0.0	0.00	0.00	33.0	
Approach		1589	3.0	0.913	18.8	LOS C	24.3	622.5	0.26	0.07	26.0	
East: Stewart Street												
1	L2	218	3.0	0.292	14.3	LOS B	1.0	25.6	0.71	0.73	26.4	
16	R2	12	3.0	0.292	14.3	LOS B	1.0	25.6	0.71	0.73	25.9	
Approach		230	3.0	0.292	14.3	LOS B	1.0	25.6	0.71	0.73	26.3	
North: S. Carson Street												
7	L2	10	3.0	0.243	6.6	LOS A	1.0	24.7	0.38	0.29	30.4	
4	T1	652	3.0	0.243	2.1	LOS A	1.0	24.7	0.12	0.09	32.4	
Approach		662	3.0	0.243	2.2	LOS A	1.0	24.7	0.12	0.09	32.4	
All Vehicles		2482	3.0	0.913	13.9	LOS B	24.3	622.5	0.27	0.14	27.5	

Level of Service (LOS) Method: Delay & v/c (HCM 2010).

Roundabout LOS Method: Same as Sign Control.

Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.

LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).

Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).

Roundabout Capacity Model: US HCM 2010.

HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.

Gap-Acceptance Capacity: Traditional M1.

HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

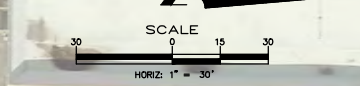
MOVEMENT SUMMARY

Site: S. Carson & Stewart Street (2 Lane RAB) - PM 2040

New Site
Roundabout

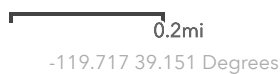
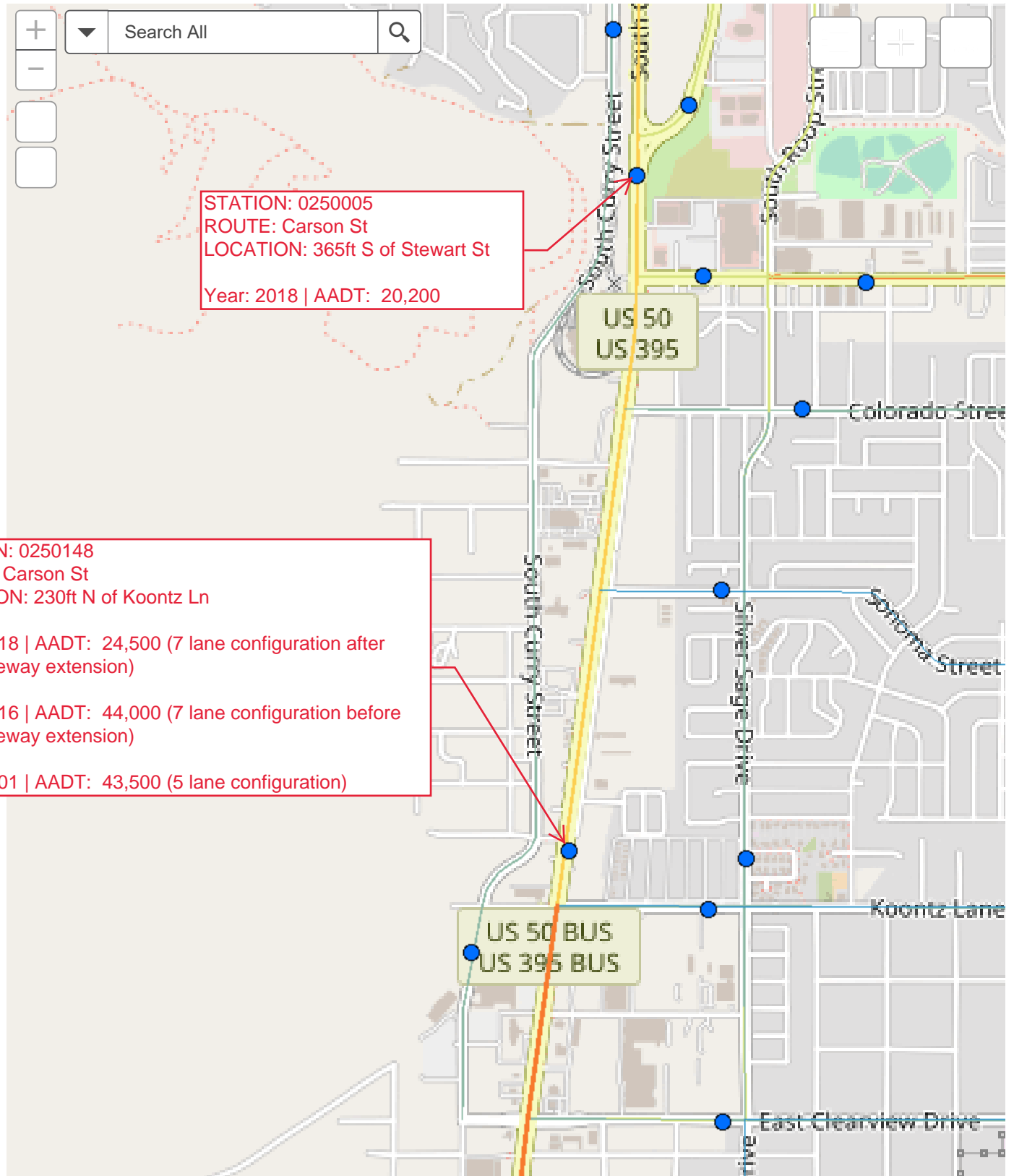
Movement Performance - Vehicles												
Mov ID	OD Mov	Total veh/h	Demand Flows HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance ft	Prop. Queued	Effective Stop Rate per veh	Average Speed mph	
South: S. Carson Street												
8	T1	915	3.0	0.649	22.9	LOS C	14.6	373.9	0.38	0.12	24.5	
18	R2	388	3.0	0.248	0.0	LOS A	0.0	0.0	0.00	0.00	32.6	
Approach		1303	3.0	0.649	16.1	LOS C	14.6	373.9	0.27	0.09	26.5	
East: Stewart Street												
1	L2	651	3.0	0.790	37.4	LOS E	5.2	132.8	0.87	1.11	20.5	
16	R2	24	3.0	0.790	37.4	LOS E	5.2	132.8	0.87	1.11	20.3	
Approach		675	3.0	0.790	37.4	LOS E	5.2	132.8	0.87	1.11	20.5	
North: S. Carson Street												
7	L2	17	3.0	0.456	14.0	LOS B	2.1	52.8	0.67	0.73	27.0	
4	T1	1079	3.0	0.456	3.1	LOS A	2.1	52.8	0.15	0.16	31.3	
Approach		1097	3.0	0.456	3.3	LOS A	2.1	52.8	0.16	0.17	31.2	
All Vehicles		3075	3.0	0.649	16.2	LOS C	14.6	373.9	0.36	0.34	26.2	

Level of Service (LOS) Method: Delay & v/c (HCM 2010).
 Roundabout LOS Method: Same as Sign Control.
 Vehicle movement LOS values are based on average delay and v/c ratio (degree of saturation) per movement.
 LOS F will result if v/c > 1 irrespective of movement delay value (does not apply for approaches and intersection).
 Intersection and Approach LOS values are based on average delay for all movements (v/c not used as specified in HCM 2010).
 Roundabout Capacity Model: US HCM 2010.
 HCM Delay Formula option is used. Control Delay does not include Geometric Delay since Exclude Geometric Delay option applies.
 Gap-Acceptance Capacity: Traditional M1.
 HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.



I:\CAPITAL PROJECTS\031801 S. Carson\031801 Design\DWG\031801 Design\031801 Roundabout\031801 Roundabout.dwg, 03/18/2019, 10:19 AM, 031801.dwg, 18119

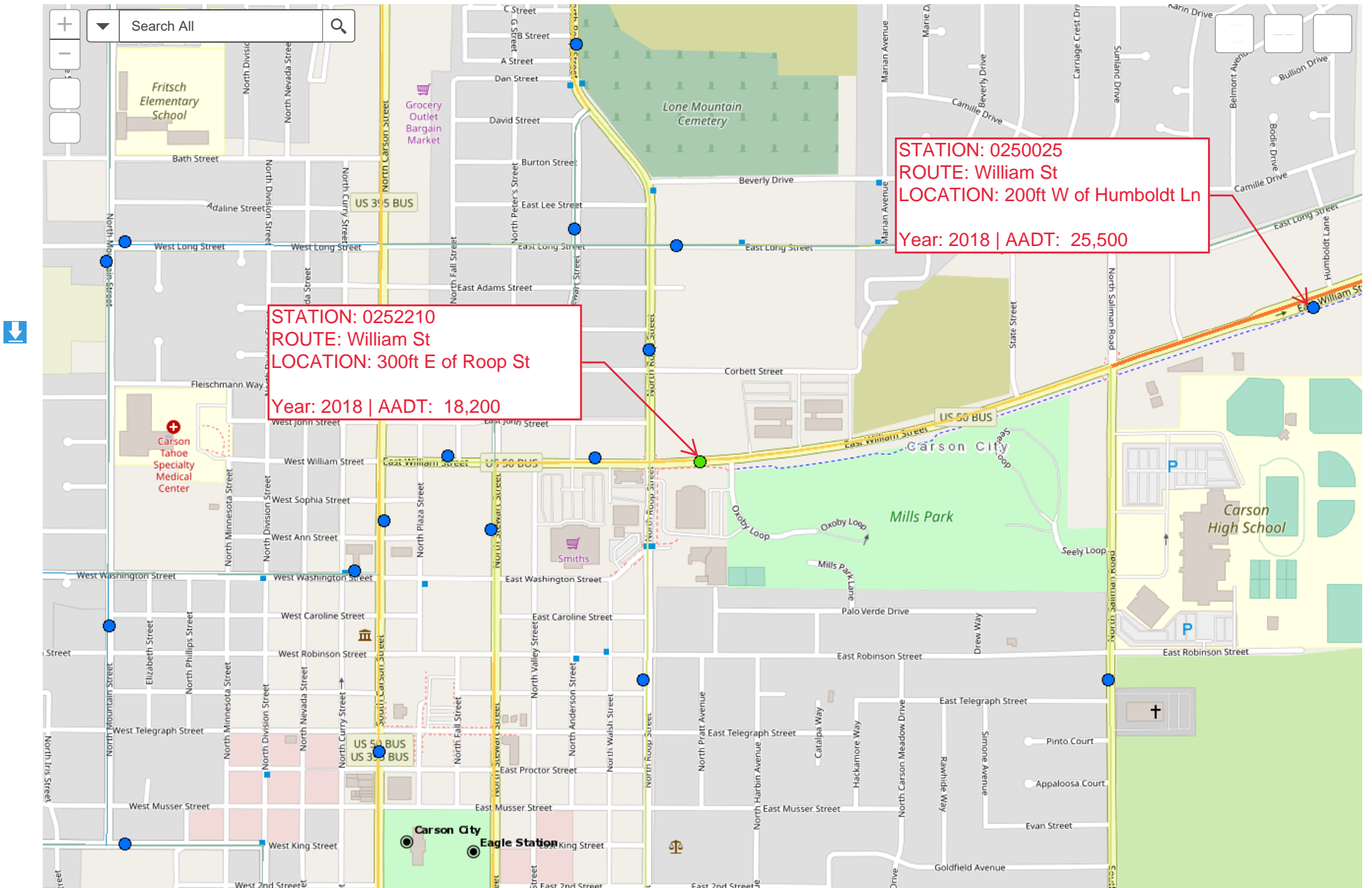
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Exhibit-3: 2018 NDOT Traffic Counts (TRINA), William Street

TRINA Traffic Information Systems



600ft
-119.738 39.175 Degrees

All rights reserved

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STAFF REPORT

Report To: The Carson City Regional Transportation Commission (RTC)

Meeting Date: June 12, 2019

Staff Contact: Lucia Maloney, Transportation Manager

Agenda Title: For Information Only – Informational presentation and discussion on Carson City’s Virginia and Truckee (V&T) Railroad Sales Tax Plan of Expenditure as it relates to upcoming roadway improvement projects.

Staff Summary: On November 1, 2018, the Carson City Board of Supervisors adopted an amended Plan of Expenditure for the V&T Railroad Sales Tax to expend unexpected, excess revenue derived from the sales tax to service debt on the City’s V&T Historical Refunding Bond. Staff will provide an informational presentation on the implications of the amended Plan of Expenditure for planned roadway capital improvement projects in Carson City.

Agenda Action: Other/Presentation

Time Requested: 10 minutes

Proposed Motion

-N/A

Background/Issues & Analysis

On November 1, 2018, the Carson City Board of Supervisors adopted an amended Plan of Expenditure for the V&T Railroad Sales Tax to expend unexpected, excess revenue derived from the sales tax to service debt on the City’s V&T Historical Refunding Bond. Staff will provide an informational presentation on the implications of the amended Plan of Expenditure for planned roadway capital improvement projects in Carson City. The amended Plan of Expenditure is provided in Exhibit-1.

Applicable Statute, Code, Policy, Rule or Regulation

-N/A

Financial Information

Is there a fiscal impact? Yes No

If yes, Fund Name, Account Name / Account Number: V&T Special Infrastructure fund, Construction account / 253-0000-415.70-40

Is it currently budgeted? Yes No

Explanation of Fiscal Impact: \$37,999 was budgeted for Fiscal Year 2019 for design costs related to Project B, Roop/Clearview projects. The Fiscal Year 2020 budget has projected \$1,345,747 available for street and highway preservation and rehabilitation projects starting July 1, 2019.

Supporting Material

-Exhibit-1: V&T Railroad Sales Tax Plan of Expenditure, Amended Nov. 1, 2018

AMENDED PLAN OF EXPENDITURE

(The plan expires July 1, 2027)

A. VIRGINIA & TRUCKEE RAILWAY RECONSTRUCTION PROJECT

DESCRIPTION OF PROPOSED PROJECT

The overall scope of the Virginia & Truckee Railway Reconstruction Project involves rebuilding approximately 17-miles of track and infrastructure from Gold Hill to eastern Carson City, Nevada. When completed and linked to the existing 2-mile long railroad running from Virginia City to Gold Hill, the reborn railroad will provide a 19-mile long tourist attraction that will be used and enjoyed by visitors and Nevada residents alike. With a projected operating speed of approximately 15 MPH, the overall ride experience is expected to take approximately 1 ½ hours one-way from Carson City to Virginia City.

The project is expected to be constructed in several separate primary phases which includes construction of a major depot/terminal in the east Carson City area. Phase 1, or the Overman Pit Project, providing for the 1.4 mile extension from Gold Hill towards Carson City is currently under construction and will be complete in September, 2005. The remaining 15.6-mile reconstruction will be constructed in up to 3 individual phases. Presented below is a summary of the primary individual reconstruction phases expected together with their anticipated completion dates:

- | | | |
|---|---------------------|------------------------|
| • PHASE 1 - OVERMAN PIT EXTENSION | (1.4-Miles): | September, 2005 |
| • PHASE 2 - U.S. 50 EXTENSION | (9.3-Miles): | Late 2006-2007 |
| • PHASE 3 - CARSON RIVER EXTENSION | (3.7-Miles): | Late 2007-2008 |
| • PHASE 4A - CARSON CITY DEPOT EXTENSION | (2.6-Miles): | Late 2008-2009 |
| • PHASE 4B - CARSON CITY DEPOT CONST. | (2.6-Miles): | Late 2008-2009 |

In addition to the actual track and infrastructure construction, there are other significant and critical elements required to successfully complete the project. The components of the project for which Carson City funding will be applied to are:

1. Engineering and Permitting
2. Right-of-Way Acquisitions
3. Track and Infrastructure Purchase and Construction
4. Terminal, Utility, Site Work and Access Improvement Construction
5. Rolling Stock Purchase
6. Locomotive Purchases

COST OF PROJECT AND PROJECT FINANCING

The overall cost of the project has been estimated using the preliminary Design, Right-of-Way Acquisition and Environmental Assessment work that have already been completed on the project. Funding for the project has and will continue to come from a number of sources. A summary of both these anticipated costs and funding sources is presented as follows:

<u>ANTICIPATED PROJECT COSTS</u>		<u>FINANCING SOURCES</u>	
Phase 1 Engineering, R/W Construction, EA	\$ 6.7 M	CCCVB Room Tax	\$ 4.1 M
Phase 2-4 Engineering, Construction, add'l EA	\$ 22.5 M	ISTEA Grant	\$ 2.8 M
Right-of-Way Acquisitions	\$ 2.8 M	Nevada Commission on Tourism Grant	\$ 1.0 M
Rolling Stock & Locomotive Purchase	\$ 2.0 M	State of Nevada Grant	\$ 0.5 M
Contingency	<u>\$ 1.0 M</u>	SAFETEA-LU Grant	\$ 10.0 M
		EDA Grant	\$ 0.8 M
		Congressional Appropriation Grant	\$ 0.8 M
		Carson City 1/8¢ Sales Tax – Please see attached debt service schedule	\$ 15.0 M
Total	\$ 35.0 M		<u>\$ 15.0 M</u>
		TOTAL	\$ 35.0 M

It should be noted that the funding sources listed above do not mention the Storey County 1/4¢ sales tax override which has been providing for funding toward the project since 1995. This revenue has provided for Commission fund raising and operational costs, right-of-way and material acquisitions, engineering and legal services. To date, this tax has generated in excess of \$1,200,000 toward the project.

B. ROOP STREET REHABILITATION AND EAST CLEARVIEW DRIVE PRESERVATION PROJECT

DESCRIPTION OF PROPOSED PROJECT

The overall scope of the project includes two phases, the East Clearview Drive Preservation Project and collectively with the Roop Street Rehabilitation Project, the “Roop Street and East Clearview Drive Project”. The project is expected to be designed and constructed over the 2019 and 2020 Fiscal Years.

Carson City’s roadways are maintained in accordance with its approved Pavement Management Plan (“the Plan”), hereby incorporated by reference, which establishes five geographic performance districts within the City. The Plan outlines a process to select, design, and construct pavement projects for one district per year on a City-wide, rotating five-year cycle. These projects were selected using the evaluation factors within the Plan.

Phase 1, or the Roop Street Rehabilitation Project, involves reconstructing a 0.2-mile portion of Roop Street, from East 5th Street to East Musser Street (the “Roop Street Project”). This route provides a critical north-south access connection to the Carson City Public Safety Complex. The pavement is in very poor condition and pedestrian facilities do not meet Federal Americans with Disabilities (ADA) standards.

Phase 2, or the East Clearview Drive Preservation Project, involves a micro-seal pavement preservation treatment and upgrading of pedestrian curb ramps to meet Federal ADA standards along the 1.2-mile portion of East Clearview Drive from South Carson Street to Line Drive (just west of I-580). The pavement condition along this section of East Clearview Drive necessitates a pavement preservation treatment in order to maintain its current condition and avoid rapid deterioration that would otherwise occur without this critically-timed investment.

Presented below is a summary of the phases with anticipated completion dates:

- **PHASE 1 – ROOP STREET REHABILITATION (0.2-Miles): Fall 2019**
- **PHASE 2 – EAST CLEARVIEW DRIVE PRESERVATION (1.2-Miles): Fall 2019**

COST OF PROJECT

As authorized by NRS 377B.160(3)(e), the Roop Street Rehabilitation and East Clearview Drive Preservation Project will be funded with any Sales Tax on deposit in the V&T Special Infrastructure Fund through and including the last day of fiscal year 2019 after amounts sufficient to pay all debt service on the V&T Bonds and any bonds issued to refund the V&T Bonds during fiscal year 2019 have been made. The overall project cost was estimated using actual, recent project costs for pavement preservation/rehabilitation projects within Carson City, and outputs from Carson City's pavement management system which informed project selection. The estimate includes an approximation of soft costs (including project management, preliminary engineering, and a contingency).

ANTICIPATED PROJECT COSTS

PHASE 1 – ROOP STREET REHABILITATION	\$581,000
PHASE 2 – EAST CLEARVIEW DRIVE PRESERVATION	\$173,000
TOTAL	\$754,000

C. STREET AND HIGHWAY PRESERVATION AND REHABILITATION PROJECT

DESCRIPTION OF PROPOSED PROJECT

The overall scope of the project involves roadway preservation and rehabilitation work along the City's roughly 83 centerline miles of regional roadways as shown in EXHIBIT A and as defined within Nevada Department of Transportation's functional classification maps: <https://www.nevadadot.com/doing-business/about-ndot/ndot-divisions/planning/roadway-systems/functional-classification-maps/carson-city> (collectively, the "Street and Highway Project").

Funding for the Street and Highway Project will be allocated to projects which have been selected utilizing project evaluation criteria from the Plan that include: Pavement Condition, Preventive and Corrective Maintenance Schedule, Roadway Functional Classification, Safety, Traffic volume, and Construction Efficiencies.

EXHIBIT A

Performance District	Roadway Name	From	To	Centerline Miles
1	Airport Road	Hwy 50 E	College Pkwy	1.0
	Arrowhead Drive	Hwy 50 E	N Carson St	4.6
	Carmine Street	Airport Rd	N Lompa Ln	0.5
	College Parkway/Drive	Hwy 50 E	N Carson St	3.2
	Goni Road	Research Wy	Avery Rd	1.8
	Hot Springs Road	N Roop St	N Carson St	0.6
	Lompa Lane	Hwy 50 E	College Pkwy	1.2
	Northridge Drive	N Lompa Ln	Russell Wy	0.1
	Nye Lane	Hwy 50 E	N Lompa Ln	1.7
	Nye Ln	Hot Springs Rd	N Carson St	0.4
	Roop Street	Basque Wy	College Pkwy	0.3
	Sherman Lane	College Pkwy	N Lompa Ln	1.3
District 1 Total				16.7
2	5th Street	Warm Springs Ct	S Carson St	1.6
	Carson Street	William St	Colorado St	1.6
	Colorado Street	S Saliman Rd	S Carson St	0.9
	Fairview Drive	NB 395 On RP East	S Carson St	1.3
	Little Lane	S Saliman Rd	S Stewart St	0.7
	Long Street	Russell Wy	N Carson St	1.5
	Northridge Drive	N Lompa Ln	N Roop St	1.1
	Roop Street	Colorado St	Basque Wy	2.9
	Russell Way	Northridge Dr	E William St	0.4
	Saliman Road	E William St	Colorado St	1.8
	Stewart Street	N Roop St	S Carson St	1.9
	William Street	NB 395 Off Ramp	N Carson St	1.5
Winnie Lane	N Roop St	N Carson St	0.2	
District 2 Total				17.4
3	5th Street	Marsh Rd	Warm Springs Ct	1.5
	Airport Road	E 5th St	Hwy 50 E	0.7
	Butti Way	Fairview Dr	Airport Rd	0.9
	Carson River Road	Pinion Hills Dr	E 5th St	2.3
	Center Drive	Rabe Wy	Clear Creek Av	1.0
	Clear Creek Avenue	Snyder Av	Frontage Rd	0.8
	Clearview Drive	Duarte Dr	S Edmonds Dr	0.4
	Deer Run Road	Laurel Rd	Hwy 50 E	3.0
	Edmonds Drive	Fairview Dr	Snyder Av	2.8
	Fairview Drive	Hwy 50 E	NB 395 On Ramp	2.6
	Gentry Lane	Duarte Dr	Snyder Av	1.0
	Laurel Road	S Deer Run Rd	Pinion Hills Dr	0.1
	Lompa Lane	Hwy 50 E	W Madoc Ct	0.2
	Old Clear Creek Road	US 395	Vista Grande Bl	0.4
	Pinion Hills Drive	Sierra Vista Ln	Laurel Rd	0.6
Snyder Avenue	Gentry Ln	Center Dr	1.2	
Vista Grande Boulevard	Old Clear Creek	S of Old Clear Creek 333 ft	0.1	
District 3 Total				19.6

Performance District	Roadway Name	From	To	Centerline Miles
4	Carson Street	Roland St	Colorado St	1.6
	Clearview Drive	S Edmonds Dr	S Curry St	1.4
	Curry Street	W Clearview Dr	N of Rhodes 1441 ft	1.5
	Hillview Drive	Koontz Ln	Kingsley Ln	0.1
	Koontz Lane	S Edmonds Dr	S Carson St	1.3
	Roop Street	Raven Ci	Colorado St	0.1
	Saliman Road	Kingsley Ln	Colorado St	0.8
	Silver Sage Drive	Snyder Av	Raven Ci	1.6
	Snyder Avenue	Center Dr	S Carson St	0.5
	Sonoma Street	S Saliman Rd	S Carson St	1.0
District 4 Total				9.9
5	5th Street	S Carson St	S Division St	0.1
	Ash Canyon Road	N Ormsby Bl	Dirt (Trailhead)	0.8
	Carson Street	E William St	Medical Pkwy	2.0
	College Parkway/Drive	N Carson St	West End	1.0
	Combs Canyon Road	N Ormsby Bl	Numaga Pass Rd	2.0
	Curry Street	N of Rhodes 1441 ft	W 5th St	0.9
	Division Street	W 5th St	W King St	0.2
	Hobart Road	SB 429	Reds Grade	0.4
	King Street	S Division St	N Ormsby Bl	0.6
	Kings Canyon Road	N Ormsby Bl	Dirt (Trailhead)	2.1
	Long Street	N Carson St	SW End	0.7
	Longview Way	Kings Canyon Rd	Ash Canyon Rd	0.8
	Medical Parkway	N Carson St	Loop past Presti to Tee	1.4
	Mountain Street	W King St	W Nye Ln	1.5
	Nye Lane	N Carson St	West End	0.2
	Ormsby Boulevard	W King St	Ash Canyon Rd	1.4
	Reds Grade	Hobart Rd	Combs Canyon Rd	0.3
	Timberline Drive	Combs Canyon Rd	Paradise VW	1.4
	Washington Street	N Carson St	N Ormsby Bl	0.8
Winnie Lane	N Carson St	Ash Canyon Rd	1.5	
District 5 Total				20.1
Grand Total				83.7

COST OF THE STREET AND HIGHWAY PROJECT

As authorized by NRS 377B.160(3)(e), the Street and Highway Project will be funded with the proceeds of a 1/8 cent sales tax (the "Sales Tax") imposed by the City pursuant to NRS Chapter 377B. The Street and Highway Project will be funded on a pay-as-you-go basis utilizing the Sales Tax remaining in each fiscal year after sufficient Sales Tax has been set aside first to pay the debt service in each fiscal year on the City's General Obligation (Limited Tax) V&T Historical Bonds (Additionally Secured by Pledged Revenues), Series 2005 (the "V&T Bonds") and any bonds issued to refund the V&T Bonds. The V&T Bonds and any bonds issued to refund the V&T Bonds currently have a lien on the Sales Tax. In each fiscal year, the V&T Bonds will be repaid from the Sales Tax prior to funding the Street and Highway Project and/or the Roop Street and East Clearview Drive Project (as defined above). In each fiscal year, debt service on any bonds issued to refund the V&T Bonds will also be repaid in accordance with the attached debt service schedule prior to funding the Street and Highway Project and/or the Roop Street and East Clearview Drive Project (as defined above). The cost of the Street and Highway Project is estimated at approximately \$2.30 per square foot and is estimated to total approximately \$16,208,374 annually, which dramatically exceeds the excess Sales Tax expected to be available in each year as described above. The cost of the Street and Highway Project may vary depending on the treatment required (to be determined and approved by the City Engineer). This estimated cost was derived using actual, recent project costs for pavement preservation/rehabilitation projects within Carson City, and outputs from Carson City's pavement management system which inform project selection. The estimate includes an approximation of soft costs (including project management, preliminary engineering, and contingency) associated with pavement preservation/rehabilitation projects, but does not include costs associated with utility or stormwater improvements, nor any preservation or rehabilitation of local roads.

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STAFF REPORT

Report To: The Carson City Regional Transportation Commission (RTC)

Meeting Date: June 12, 2019

Staff Contact: Lucia Maloney, Transportation Manager

Agenda Title: For Possible Action – Discussion and possible action regarding an Interlocal Agreement between Carson City and Douglas County, through which Carson City staff will provide technical support and maintenance of traffic signals and lighting in Douglas County, and authorizing the Transportation Manager to execute the agreement.

Staff Summary: Douglas County has requested certain services and technical support of the traffic signals throughout Douglas County. Carson City has specialized equipment and employs staff that are skilled in the repair and maintenance of highway traffic control equipment. Under separate interlocal agreements, Carson City currently provides similar services to Lyon County, Storey County, and the Nevada Commission for the Reconstruction of the V&T Railway.

Agenda Action: Formal Action/Motion

Time Requested: 5 minutes

Proposed Motion

I move to authorize the Transportation Manager to execute the Interlocal Agreement as presented.

Previous Action

RTC has approved similar agreements with Douglas County (2011, 2014), Lyon County (2006, 2014), Storey County (2018), and the Nevada Commission for the Reconstruction of the V&T Railway (2014).

Background/Issues & Analysis

This agreement is similar to the previous agreement with Douglas County (2014) with the exception of a change to the agreed rate for services provided by Carson City. The 2014 agreement provided services at an annual rate of \$50,000 per fiscal year (payable bi-annually) with any excess of 860 service hours per year payable at a rate of \$60 per hour. The proposed agreement, Section 7, provides that hourly staff rates will be charged to Douglas County for performance of any service up to \$100,000 per any individual fiscal year. Under the new agreement, the City will invoice monthly for services and expenses.

The terms of the proposed agreement are substantially consistent with the interlocal signal agreement approved by RTC and executed between Carson City and Storey County in March 2018. It is a desire of City staff to utilize this agreement as a ‘template’ for others in the future for consistency and ease of execution and management.

Applicable Statute, Code, Policy, Rule or Regulation

NRS 277.180

Financial Information

Is there a fiscal impact? Yes No

If yes, account name/number:

Is it currently budgeted? Yes No

Explanation of Fiscal Impact:

Carson City will be reimbursed for all services provided to Douglas County. Reimbursement will be deposited into the Street Maintenance 256-0000-337 revenue account. Materials will be expended from 256-3038-431.04-37/Signal Repair and Maintenance. Labor will be provided by employees under Street Maintenance Salaries 256-3038-431.01-01

Alternatives

-Do not authorize execution of the Interlocal agreement with Douglas County and provide direction to staff.

Supporting Material

-Exhibit-1: Douglas County Interlocal Agreement

Board Action Taken:

Motion: _____

1) _____

Aye/Nay

2) _____

(Vote Recorded By)

INTERLOCAL AGREEMENT FOR SIGNAL MAINTENANCE

This AGREEMENT is dated this _____ day of _____, 2019, by and between DOUGLAS COUNTY, a political subdivision of the State of Nevada (hereinafter "COUNTY"), and CARSON CITY, a consolidated municipality and political subdivision of the State of Nevada (hereinafter "CITY"). COUNTY and CITY may be individually referred to as "Party" and collectively referred to as "Parties."

WITNESSETH:

WHEREAS, the Parties are public agencies under NRS 277.100; and

WHEREAS, NRS 277.180 provides that any one or more public agencies may contract with any one or more other public agencies to perform any governmental service, activity or undertaking which any of the contracting agencies is authorized by law to perform; and

WHEREAS, COUNTY and CITY have worked cooperatively with respect to signal maintenance since 2011; and

WHEREAS, the purpose of this Agreement is for CITY to provide certain preventative, response, and technical support services for traffic signal systems (hereinafter "SIGNAL SYSTEMS"), and to establish roles and responsibilities for ownership, maintenance, operation, and repair of SIGNAL SYSTEMS; and

WHEREAS, This Agreement supersedes and replaces any other Agreement pertaining to the SIGNAL SYSTEMS that govern traffic movements along the local and state maintained highways and routes within COUNTY. Portions of these SIGNAL SYSTEMS may also be located within COUNTY jurisdictional boundaries or may be included entirely by virtue of prior maintenance responsibilities; and

WHEREAS, certain employees of CITY possess a level of expertise such that those employees may be able to perform certain preventative, response, and other technical services relating to SIGNAL SYSTEMS for COUNTY; and

WHEREAS, to assist COUNTY in protecting its residents by enhancing the safety of pedestrian and vehicular traffic, CITY is agreeable to providing such repair, maintenance and other technical services; and

WHEREAS, this AGREEMENT will benefit the COUNTY and the people of the State of Nevada;

NOW, THEREFORE, in consideration of the promises and conditions contained in this Agreement and other good and valuable consideration, the Parties do agree as follows:

Section 1. Term of Agreement: This Agreement is effective on the date that the last authorized signature is affixed hereto and will terminate on July 1, 2021 (“Initial Term”) unless terminated earlier in accordance with Section 2 of this Agreement. Upon expiration of the Initial Term, this Agreement will automatically renew for successive terms of one (1) year (“Renewal Term”) under all of the same terms and conditions set forth herein unless, not less than 30 days before the expiration of the Initial Term or any subsequent Renewal Term, either Party provides notice to the other that this Agreement will not be renewed.

Section 2. Early Termination: Either Party may terminate this Agreement with or without cause by providing not less than 30 days’ notice to the other Party.

Section 3. Responsibilities of CITY: CITY agrees to provide the following services relating to the operation of the SIGNAL SYSTEMS:

A. **Preventative maintenance** in accordance, to the extent possible, with a plan of maintenance (hereinafter “MAINTENANCE PLAN”) to be developed by COUNTY and which:

(1) Includes:

(a) Periodic inspection of the SIGNAL SYSTEMS to ensure proper operation of listed components including detection systems, lighting, battery backup systems, controllers, cabinets.

(b) Annual certification of the SIGNAL SYSTEMS malfunction monitor unit by the use of calibrated testing equipment.

(2) Does not include:

(a) Structural inspection of poles, supports, anchors, welds, mechanical fasteners or foundations.

(b) Location of utility lines.

(c) Construction of any item.

(d) Modification of any Signal component.

(e) Repairs to any Signal component that CITY, at its sole discretion, determines is a significant repair that is not preventative in nature, including, without limitation: the installation or modification of any structure; any service which qualifies for intermediate-term or long-term stationary work under the *Manual on Uniform Traffic Control Devices for Streets and Highways* published by the Federal Highway Administration of the U.S. Department of Transportation, as may be amended; any service which requires trenching, paving or sealing; any service that requires resource allocation of more than one technician or more

than one bucket truck; any service which requires the installation or removal of cables or wires; any service which requires welding, cutting, painting or galvanizing; or any service which requires work to be performed on an anchor or other support structure.

(f) Any other preventative maintenance that CITY, at its sole discretion, determines is not feasible or reasonable to perform.

B. Response (unplanned or unexpected) maintenance which:

(1) Includes maintenance:

(a) In response to a report of SIGNAL SYSTEMS in red flash.

(b) In response to a report of any SIGNAL SYSTEMS malfunction.

(c) In response to a report of SIGNAL SYSTEMS not adequately serving demand.

(d) To provide support in the event of a traffic or similar incident.

(e) To provide construction support for SIGNAL SYSTEMS.

(2) Does not include:

(a) Preventative maintenance.

(b) Location of utility lines.

(c) Construction of any item.

(d) Support in the event of loss of power.

(e) Any other response maintenance that CITY, at its sole discretion, determines is not feasible or reasonable to perform.

C. Technical support which:

(1) Includes:

(a) Configuration of SIGNAL SYSTEMS.

(b) Testing of SIGNAL SYSTEMS equipment.

(c) Configuration and utilization of equipment and software for remote monitoring and configuration of SIGNAL SYSTEMS.

(d) Assistance in the development of timing and configurations for SIGNAL SYSTEMS.

(e) Consultation to assist COUNTY in the development of policies and procedures relating to SIGNAL SYSTEMS.

(f) Informal, on-the-job guidance or sharing of information to facilitate the safe operation of SIGNAL SYSTEMS.

(2) Does not include:

(a) Services or support of any information technology system not directly related to SIGNAL SYSTEMS.

(b) Engineering services or support including, without limitation, coordination, signal timing, warrants, designs or modifications.

(c) Any other technical support that CITY, at its sole discretion, determines is not feasible or reasonable to perform.

Section 4. Discretionary Acts of CITY: Notwithstanding any other provision of this Agreement or any provision included in MAINTENANCE PLAN, CITY may, at its sole discretion:

A. Determine whether the performance of any service is necessary, feasible or reasonable.

B. Provide to COUNTY at COUNTY's request such additional services or support not otherwise described in this Agreement for the maintenance and operation of SIGNAL SYSTEMS that are installed in COUNTY after the effective date of this Agreement, subject to the same terms and conditions set forth herein.

C. Refuse to provide or delay response maintenance whenever CITY determines that such maintenance cannot be provided or that response time will be delayed as the result of limited CITY resources at the time of COUNTY's request for response maintenance, including, without limitation, inadequate staffing levels, unavailability of equipment or the need to allocate CITY resources to CITY projects. COUNTY understands and agrees that CITY has a legal obligation to provide necessary services to Carson City first. CITY will endeavor to provide timely response maintenance to COUNTY in good faith and to the best of its ability.

Section 5. Responsibilities of COUNTY: COUNTY agrees to perform the following:

A. With the assistance of CITY, develop its MAINTENANCE PLAN for the efficient operation and maintenance of the SIGNAL SYSTEMS.

B. Develop, review and approve a policy for the timing, configuration and operation of the SIGNAL SYSTEMS.

C. Develop, review and approve the timing plans, configuration, settings, schedules, modes of operation, and control strategies of the SIGNAL SYSTEMS.

D. Maintain and provide to CITY by July 1st each year a detailed list of SIGNAL SYSTEMS to be covered under this Agreement.

E. Observe and review any service performed by CITY to ensure that such service satisfies standards and requirements established by COUNTY.

F. Coordinate with CITY for the response maintenance of SIGNAL SYSTEMS and, at any such time CITY is unable to provide response maintenance pursuant to Section 4 of this Agreement, arrange for alternate means to provide such maintenance.

G. Reimburse CITY for all expenses necessary for the operation and maintenance of SIGNAL SYSTEMS including, without limitation, replacement equipment, parts, supplies, software, licensing, cellular service, support contracts, and calibration services, associated with the maintenance, support or repair of SIGNAL SYSTEMS.

H. Manage all purchasing and bid requirements for services performed by contractors relating to the SIGNAL SYSTEMS which are not otherwise intended to be provided by CITY in accordance with this Agreement.

I. Comply with all requirements established in any existing agreement between COUNTY and the State of Nevada or any other organization relating to the SIGNAL SYSTEMS.

J. Comply with all applicable federal or state law or regulation relating to or arising from the maintenance, operation or repair of SIGNAL SYSTEMS, including, without limitation, provisions for notification requirements pertaining to certain subsurface installations under NRS 455.130.

K. Provide any necessary traffic control for CITY personnel when service performed by CITY under this Agreement must take place in a roadway.

L. Provide radio dispatch services for CITY personnel when service is performed by CITY under this Agreement.

M. Provide any necessary permits for CITY personnel required for services provided under this Agreement.

Section 6. Supervision of Services: COUNTY and CITY agree that COUNTY at all times retains responsibility for the day-to-day operation and maintenance of the Signal. All services provided by CITY must be performed in accordance with this Agreement and at the direction or permission of COUNTY.

Section 7. Service Rate: COUNTY and CITY agree that the hourly staff rates that will be charged to COUNTY for the performance of any service under this Agreement will be in accordance with the rates established by CITY at such time the service is performed. Nothing in this Agreement prohibits or otherwise limits the authority of CITY to increase its rates. COUNTY may request that CITY provide its rates at any time. The services performed by CITY shall not exceed \$100,000 for any individual fiscal year.

Section 8. Billing and Payment: CITY shall bill COUNTY monthly for services and expenses in accordance with this agreement. Payments by COUNTY are due within 45 days of the date of billing and are not conditioned on the resolution or receipt by COUNTY of any amounts payable to COUNTY under a pending insurance claim or dispute between COUNTY and a third party.

Section 9. Notices: All notices or other communications required or permitted to be given under this Agreement must be in writing and shall be deemed to have been duly given if delivered personally by hand, by telephonic facsimile with simultaneous regular mail, or mailed certified mail, return receipt requested, postage prepaid on the date posted, and addressed to the other Party at the address set forth below:

FOR CITY:

Lucia Maloney
Transportation Manager
3505 Butti Way
Carson City, Nevada 89701
Tel: (775) 887-2355
Fax: (775) 887-2112

FOR COUNTY:

Philip Ritger
Public Works Director
P.O. Box 218
Minden, Nevada 89423
Tel: (775) 783-6480

Either Party may from time to time, by notice in writing served upon the other as described above, designate a different mailing address to which or a different person to whose attention all such notices or demands are thereafter to be addressed.

Section 10. Entire Agreement: This Agreement constitutes the entire agreement of the Parties and as such is intended as the complete and exclusive statement of the promises, representations, negotiations, discussions, and other agreements that may have been made in connection with the subject matter hereof. Unless an integrated attachment to this Agreement specifically displays a mutual intent to amend a particular part of this Agreement, general conflicts in language between any such attachment and this Agreement must be construed consistent with the terms of this Agreement. Unless otherwise expressly authorized by the terms of this Agreement, no modification or amendment to this Agreement is binding upon the Parties unless the same is in writing and signed by the respective parties hereto.

Section 11. Limited Liability; Indemnification: COUNTY shall indemnify and hold harmless CITY, to the extent provided by law, from and against any and all liability arising out of the performance of services under this Agreement proximately caused by any act or omission of COUNTY's officers, agents, and employees. CITY shall indemnify and hold harmless COUNTY, to the extent provided by law, from and against any and all liability arising out of the performance of services under this Agreement proximately caused by any act or omission of CITY's officers, agents, and employees. COUNTY and CITY do not waive and intend to assert any and all available NRS chapter 41 immunity in all cases. Contract liability of the Parties does not include punitive damages.

Section 12. Severability: If any provision contained in this Agreement is held to be unenforceable by a court of law or equity, this Agreement will be construed as if the provision did not exist and the non-enforceability of that provision will not be held to render any other provision or provisions of this Agreement unenforceable.

Section 13. Nevada Law; Jurisdiction: The laws of the State of Nevada apply in interpreting and construing this Agreement. The Parties consent to the jurisdiction of, and agree that disputes will be resolved by, the district courts of the State of Nevada.

Section 14. Ownership of Property: All or any property presently owned by either Party will remain in such possession upon termination of this Agreement, and there will be no transfer of property or ownership interest between the Parties during the course of this Agreement.

Section 15. No Third-Party Beneficiary: It is specifically agreed between the Parties that it is not intended by any of the provisions of any part of the Agreement to create in the public or any member thereof a third-party beneficiary hereunder, or to authorize anyone not a Party to this Agreement any right to maintain a suit for personal injuries or property damage pursuant to the terms or provisions of this Agreement.

Section 16. Records: Each Party agrees to keep and maintain under general accepted accounting principles full, true and complete records and documents pertaining to this Agreement and present, at any reasonable time, such information for inspection, examination, review, audit and copying at any office where such records and documentation is maintained.

Section 17. Public Records; Confidentiality. Pursuant to NRS 239.010, information or documents, including this Agreement, may be open to public inspection and copying. The Parties will have the duty to disclose, unless particular information or documents are made confidential by law or a common law balancing of interest. To the extent that information or documents are made confidential, the Parties shall keep such information or documents confidential.

Section 18. Separate Entities: The Parties are associated with each other only for the purposes and to the extent set forth in this Agreement. Each Party is and continues to be a public agency separate and distinct from the other Party and, except as otherwise specifically provided herein, has the right to supervise, manage, operate, control and direct performance of the details incident to its duties under this Agreement.

Section 19. Assignment: Neither Party may assign, transfer or delegate any rights, obligations or duties under this Agreement without the prior written consent of the other Party.

Section 20. Authority to Sign: The Parties hereto represent and warrant that the person executing this Agreement on behalf of its respective Party has full power and authority to enter into this Agreement and that the Parties are authorized by law to perform the services set forth herein.

Section 21. Counterparts: This Agreement may be executed in counterparts, each of which shall be deemed to be an original but all of which, taken together, shall constitute one and the same Agreement.

Section 22. Breach: Failure of either Party to perform any obligation of this Agreement shall be deemed a breach. Except as otherwise provided for by law or this Agreement, the rights and remedies of the Parties are not exclusive and are in addition to any other rights and remedies provided by law or equity, including, without limitation, actual damages and reasonable attorneys' fees and costs. The Parties agree that, in the event a lawsuit is filed and a Party is awarded attorney's fees by the court, for any reason, the rate applied to recoverable attorney's fees shall not exceed the rate of \$125 per hour.

Section 23. Force Majeure: Neither Party shall be deemed to be in violation of this Agreement if it is prevented from performing any of its obligations hereunder due to strikes, failure of public transportation, civil or military authority, acts of public enemy, accidents, fires, explosions, or acts of God, including, without limitation, earthquakes, floods, winds or storms. In such an event the intervening cause must not be through the fault of the Party asserting such an excuse, and the excused Party is obligated to promptly perform in accordance with the terms of the Agreement after the intervening cause ceases.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of the _____ day of _____, 2018.

CARSON CITY, NEVADA

DOUGLAS COUNTY, NEVADA

Board of County Commissioners

By: _____
Transportation Manager

By: _____
William B. Penzel, Chairman

Attest:

City Clerk

County Clerk

Approved as to Legality and Form:

Approved as to Legality and Form:

District Attorney

District Attorney

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Carson City Regional Transportation Commission
Item for Commission Information

RTC Meeting Date: June 12, 2019
To: Regional Transportation Commission
From: Justin Tiearney, Street Supervisor
Date Prepared: June 5, 2019
Subject Title: Street Operations Activity Report
Staff Summary: Monthly Status Report for the Commission’s Information

**Carson City Public Works, Street Operations Division
Status Report to RTC: Activities of April 2019**

Street Repair and Maintenance

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Crack Seal Operation (blocks of sealant used)	209	2,254
Street Patching Operation (tons of asphalt)	0	466
Pot Holes Repaired	26	704

Tree Care and Maintenance

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Tree Pruning Operations	31	684
Tree Removal	2	15
Tree Replacement	0	0
Tree Care Chemical Treatment	Treated 97 Elm trees for the Elm Beetle; injected 885 gal.	4,740
Tree Work for Other Departments	2	43
Weed Abatement Chemical Sprayed (gallons applied)	100	3,895

Concrete Repair and Maintenance

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Concrete Poured (yards)	40	295
Curb & Gutter (linear feet)	198	1,380
Sidewalk & Flat Work (sq/ft)	1652	11,297
Wheel Chair Ramps	1	11
Misc.	0	245

Grading and Shoulder Maintenance

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Dirt Road Work/Misc	Installed a new catch basin and storm drain pipe across E. Nye at Viking Wy.	340
Shoulder Work on Asphalt Roads	70	615
Debris Cleaned	0	440

Storm Water

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Sediment Removed from Ditches (yards)	142	1,250
Lineal foot of ditch cleared	0	4,225
Pipe Hydro Flushed (linear feet)	30	1,424
Drainage Inlets Cleaned	80	1,669
Sediment Removed from Ditches (yards)	142	1,250

Sweeper Operations

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Curb Miles Swept	804	5,292
Material Picked Up (yards)	420	3,210
City Parking Lots Swept	0	9

Trucking Bins

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Bins Hauled for Waste Water Treatment Plant (yards)	39	329
Bins Hauled for Sweeping Operation (yards)	58	533
Equipment Transported for other Departments	0	0

Banner and Decorations Activities

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Banner Operations Carson Street	4	40
Changed Lamp Post Banners	4	0
Installed Christmas Decorations	0	141
Removed Christmas Decorations	0	141

Signs and Markings

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Signs Made	43	313
Signs Replaced	50	389
Sign Post Replaced	5	61
Signs Replaced due to Graffiti Damage	3	37
Delineators Replaced	6	139
Cross Walks Painted	32	469
Stop Bars Painted	171	946
Yield Bars Painted	4	195
Right Arrows Painted	6	92
Left Arrows Painted	29	429
Straight Arrows Painted	2	61
Stop (word) Painted	45	106
Only (word) Painted	13	195
Bike Symbol & Arrow	1	1
Install Street, bicycle, and pedestrian counters		41
Curb Painted (linear feet)		60

Weather Events

ACTIVITIES	QUANTITIES/COMMENTS	FYTD
Snow and Ice Control	0	21
Rain Event/Flood Control	0	9
Wind	0	0



**Carson City Regional Transportation Commission
Request for Commission Information**

RTC Meeting Date: June 12, 2019
Time Requested: 10 Minutes
To: Regional Transportation Commission
From: Dan Stucky, City Engineer
Date Prepared: May 30, 2019
Subject Title: Project Status Report
Staff Summary: Monthly Status Report for the Commission's Information

List of Projects

South Carson Street Complete Streets Project.....	2
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Clearview Micro-Surfacing Project	14

South Carson Street Complete Streets Project

Project Name: South Carson Street Complete Streets

Project Number: 031711 and 031801

Fund Number: Multiple

Fund Name: Multiple

Source of Funding: Multiple

Department: Public Works

Total Estimated Cost: \$17,257,559

Project to Date Cost: \$767,000

Project Description

Resurfacing and Complete Streets improvements on South Carson Street corridor between Fifth and Roland Street

Justification

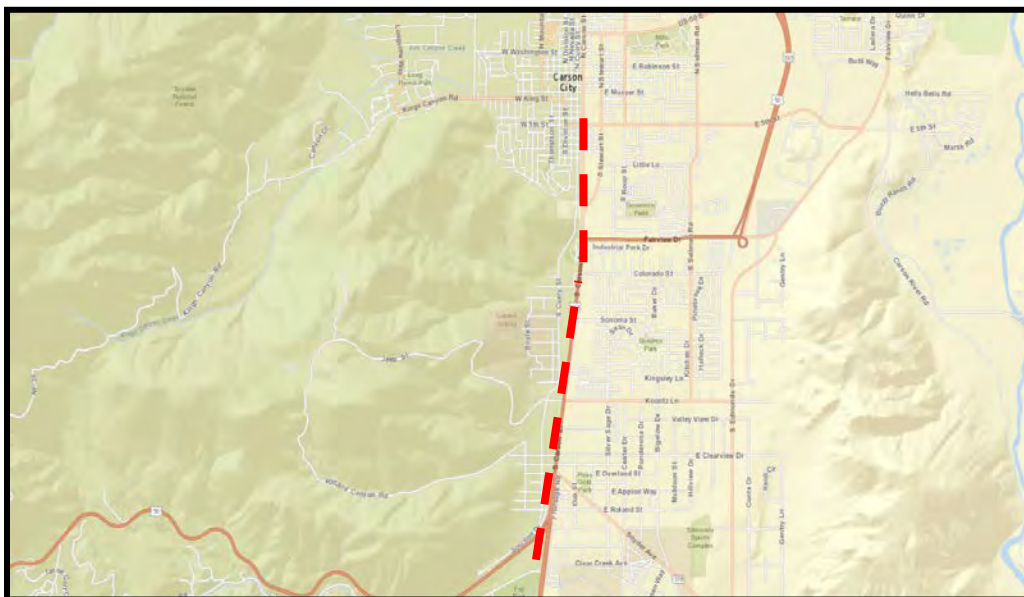
Per an agreement between Carson City and the Nevada Department of Transportation (NDOT), pavement and Complete Street improvements to the corridor are required in exchange for \$5.1 million from NDOT. Competitive grant funds have been awarded, which include a TAP grant in the amount of \$750,000, a TIGER grant in the amount of \$7,570,202, and STBG grant funds in the amount of \$372,372

Project Location

South Carson Street between Fifth Street and Roland Street (includes portion of the Frontage Road)

Status

60% design have been presented to various boards for acceptance. Working on cost estimates, value engineering and 90% design



Freeway Multi-Use Path to Colorado Street

Project Name: Freeway Multi-Use Path to Colorado Street

Project Number: 031803

Fund Number: 250

Fund Name: RTC

Source of Funding: FY 2018

Department: Public Works

Total Estimated Cost: \$651,950 (95% federally funded)

Project to Date Cost: \$37,000

Project Description

Construct 4,200 feet of multi-use path and associate improvements

Justification

In line with the City's Unified Pathways Master Plan and goals from the CAMPO Regional Transportation Plan, a competitive TAP grant was awarded by NDOT

Project Location

West side of I-580 from linear ditch path to Colorado Street

Status

Project continues to make progress toward 90% design plans and bid documents



Fairview Drive Reconstruction Project

Project Name: Fairview Drive Reconstruction

Project Number: 031905

Fund Number: 250 & 520

Fund Name: RTC Fund, Transportation Infrastructure & Water Fund, Construction

Source of Funding: FY 2019 & FY 20

Department: Public Works

Total Estimated Cost: \$1,294,696, of which \$710,000 is for transportation improvements and \$584,696 for water utility improvements

Project to Date Cost: \$2,500

Project Description

Reconstruct Fairview Drive between Carson Street and Roop Street. Project includes reconstruction of roadway, a partial mill and overlay with patching, sidewalk construction, stormwater enhancements, and ADA improvements to curb ramps, sidewalks, and pedestrian push button

Justification

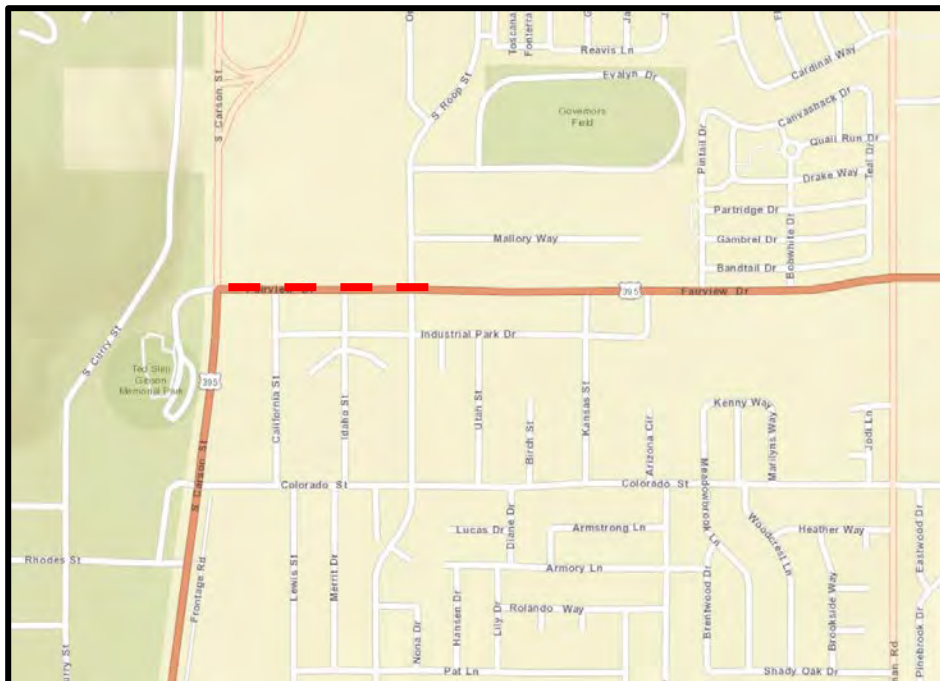
Fairview Drive needs reconstruction due to the high amounts of traffic over the years. With the completion of the I-580 bypass, Fairview Drive has seen a significant reduction in traffic

Project Location

Fairview Drive from Carson Street to Roop Street, includes sidewalk and possible stormwater improvements to Roop Street between Fairview Drive and Industrial Park Way

Status

60% plans have been submitted to NDOT for review. 90% plans are scheduled to be submitted to NDOT by July 15. Construction is anticipated for spring 2020



Kings Canyon Trailhead Improvements and Roadway Reconstruction Project

Project Name: Kings Canyon Trailhead Improvements and Roadway Reconstruction

Project Number: 031901

Fund Number: 250 & 254

Fund Name: RTC Fund, Transportation Infrastructure & Quality of Life – Open Space Capital Projects/Construction Accounts

Source of Funding: Multiple, Total Local Match \$185,350, \$150,000 from RTC Fund, Transportation Infrastructure & \$35,350 from Quality of Life, Open Space, Capital Projects/Construction Accounts

Department: Public Works (lead)

Total Estimated Cost: \$3,707,000

Project to Date Cost: \$2,000

Project Description

This project will widen the existing roadway, accommodate bicycle lanes, and improve the trailhead parking lot with restroom facilities and additional capacity

Justification

RTC was awarded \$3,707,000 from the Federal Highway Administration (FHWA), Central Federal Lands Highway Division (CFLHD) for the Federal Lands Access Program (FLAP) grant

Project Location

Kings Canyon road just east of Kings Canyon Creek to the Kings Canyon Trailhead

Status

Carson City staff is meeting with Central Federal Lands and U.S. Forest Service staff to go over 30% design comments in June



Stewart Street Pedestrian Signal Project

Project Name: Stewart Street Pedestrian Signal

Project Number: N/A

Fund Number: 250

Fund Name: RTC Fund, Safety Improvements

Source of Funding: FY 2019

Department: Public Works

Total Estimated Cost: \$858,342 (\$30,000 local match)

Project to Date Cost: \$0 (Invoice from NDOT anticipated after construction)

Project Description

Pedestrian crossing improvements, including a slurry seal between Little Lane and S. Carson Street

Justification

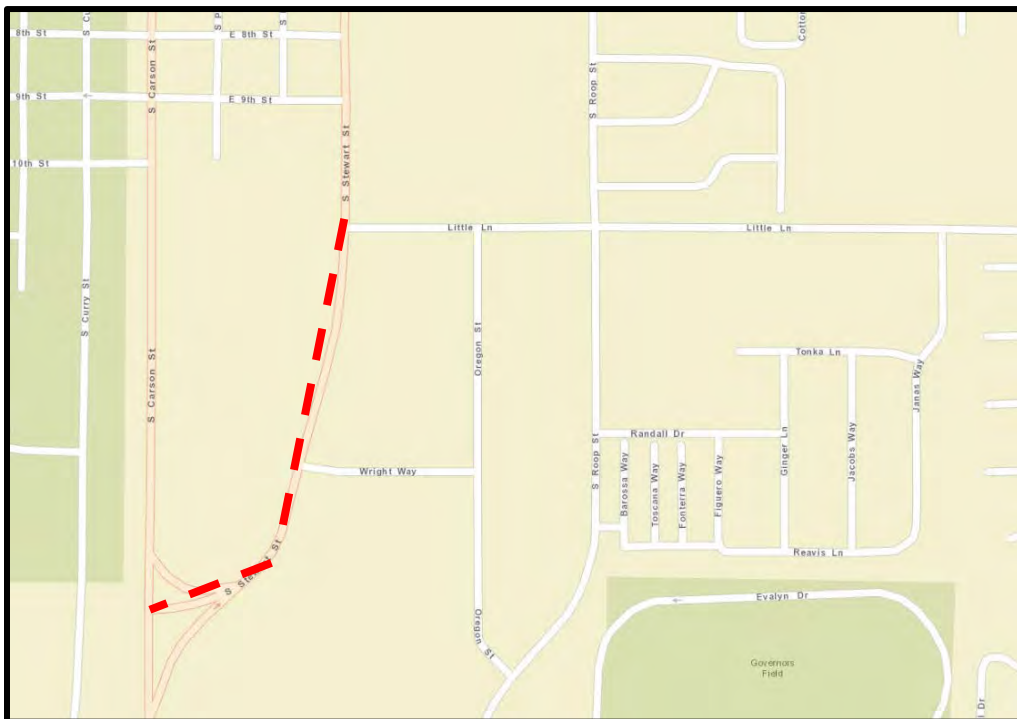
This location was identified in the Nevada Department of Transportation (NDOT) Pedestrian Uncontrolled Crosswalk Guidelines

Project Location

Stewart Street from Little Lane to Wright Way

Status

Construction has begun



CDBG College Parkway Improvements Project

Project Name: CDBG College Parkway Improvements

Project Number: 031807

Fund Number: 275

Fund Name: Grant Fund

Source of Funding: 100% grant funded

Department: Public Works

Total Estimated Cost: \$268,892

Project to Date Cost: \$20,000

Project Description

ADA improvements on West College Parkway

Justification

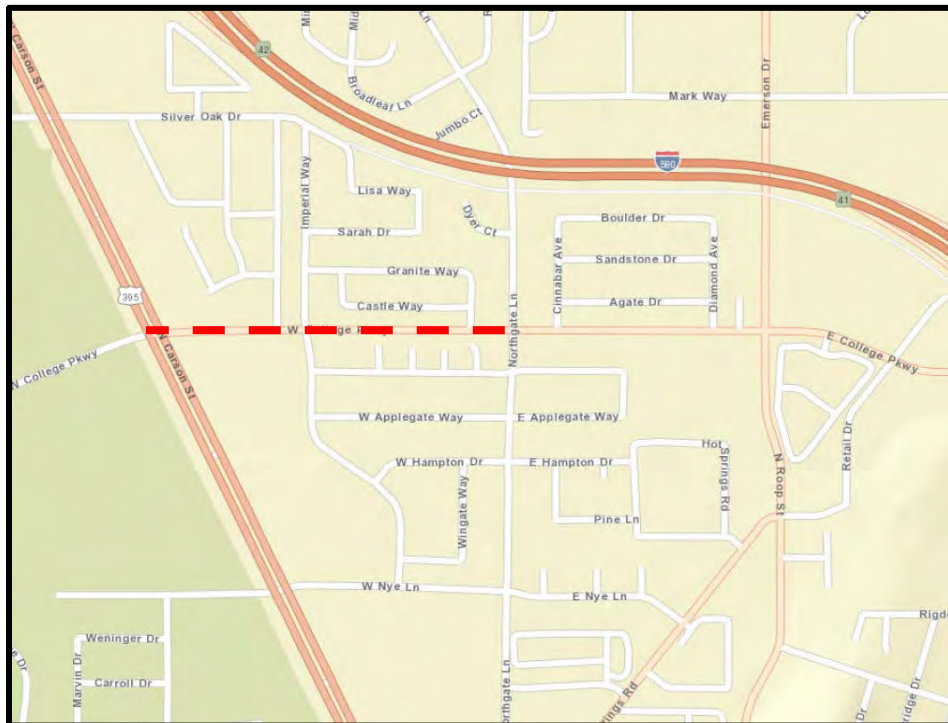
In line with the City's ADA Transition Plan, a competitive CDBG grant award for ADA improvements

Project Location

West College Parkway between North Carson Street and Northgate Lane

Status

Project design is complete. The project was posted for public bidding on April, 29 and the bid opening was on May 22, 2019. The construction contract is being presented for approval at the June 12th RTC Meeting



Freeway Multi-Use Path to Edmonds Sports Complex

Project Name: Freeway Multi-Use Path to Edmonds Sports Complex

Project Number: 031808

Fund Number: 250

Fund Name: RTC

Source of Funding: Transportation Alternatives Program (TAP)

Department: Public Works

Total Estimated Cost: \$1,618,000

Project to Date Cost: \$0

Project Description

A 2.3 mile multi-use path from Colorado Street to the Pete Livermore Sports Complex

Justification

In line with the City's Unified Pathways Master Plan and goals from the CAMPO Regional Transportation Plan, a competitive TAP grant was awarded by NDOT

Project Location

Along the freeway between Colorado Street and Livermore Lane

Status

The LPA agreement is being presented to the RTC for approval in June



Airport Road Sewer Replacement Project

Project Name: Airport Road Sewer Replacement

Project Number: 51403.5

Fund Numbers: 250, 510, and 520

Fund Names: RTC Fund - STBG Funding Revenue Account, Water Fund Construction, & Sewer Fund Construction

Source of Funding: City's 5-year Wastewater Capital Improvement Plan, Water Capital Improvements Plan, and Surface Transportation Block Grant (STBG)

Department: Public Works

Total Estimated Cost: \$2,126,000 (comprised of \$160,000 from STBG funding, \$1,966,000 from Sewer Capital and Water Capital)

Project to Date Cost: \$47,000

Project Description

Sewer, water, and roadway improvements on Airport Road from Highway 50 to Minonee Lane

Justification

The sewer and water mains located in Airport Road are planned to be replaced due to capacity and condition. Due to poor pavement condition the road is to be reconstructed along with the sewer replacement

Project Location

Airport Road from Highway 50 to Minonee Lane

Status

Project is developing preliminary design plans. 60% plans will be submitted to NDOT in early June and 90% plans are scheduled to be submitted to NDOT by July 15. Construction is anticipated for spring 2020



Fiscal Year 2019 District 1 Pavement Preservation Projects (Part 1)

Project Name: Fiscal Year 2019 District 1 Pavement Preservation Projects

Project Number: 031810

Fund Number: 250

Fund Name: RTC

Source of Funding: FY 2019

Department: Public Works

Total Estimated Cost: \$1,030,000

Project to Date Cost: \$35,000

Project Description

Preservation Projects – Slurry Seal Type 3 Modified

Justification

Roadways in Performance District 1 were evaluated according to the evaluation factors within the FY 2019-2022 Pavement Management Plan: Pavement Condition Index (PCI), roadway functional classification, safety needs, traffic volume, and construction efficiencies. The RTC approved pursuit of District 1 projects on September 12, 2018

Project Location

- College Parkway – between N. Northgate Lane and Airport Road, the portion between Carson Street and Northgate Lane has been separated to allow for fast tracking improvements not contingent on the CDBG College Parkway ADA Improvements
- Hot Springs Road – between Northgate Lane and Roop Street
- Roop Street – between Hot Springs Road and College Parkway
- Arrowhead Drive – between Emerson Street and Convair Drive

Status

Project was advertised on February 5th and bids were opened on February 26th. The execution of the construction contract was awarded at the March RTC Meeting. Construction is planned to begin in July

Multiple Locations – No Map Provided

Fiscal Year 2019 District 1 Goni Road Reconstruction Project

Project Name: FY 2019 District 1 Goni Road Reconstruction Project

Project Number: 031811

Fund Number: 250

Fund Name: RTC and V&T Fund (account number in development)

Source of Funding: FY 2019

Department: Public Works

Total Estimated Cost: \$605,000

Project to Date Cost: \$5,000

Project Description

Roadway reconstruction project

Justification

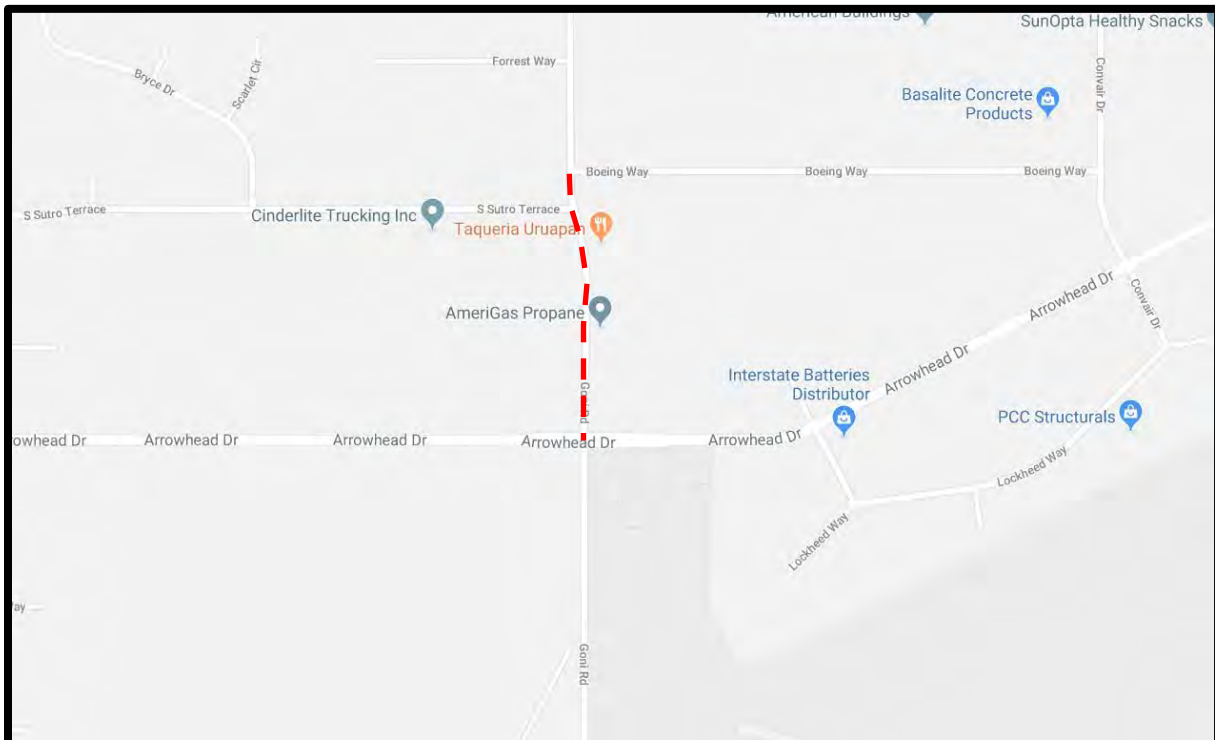
On September 12th the RTC directed staff to pursue the reconstruction of Goni Road if sufficient funding is available in the fiscal year 2019 budget. Goni Road has a pavement condition ranging between poor and serious. Goni Road is functionally classified as a Collector Roadway

Project Location

Goni Road, between Boeing Way and Arrowhead Drive

Status

Bids were opened on April 24th. The construction contract is being presented to the RTC on June 12th



Fiscal Year 2019 District 1 Street Lighting

Project Name: FY 2019 District 1 Street Lighting

Project Number: 031809

Fund Number: 250

Fund Name: RTC

Source of Funding: FY 2019

Department: Public Works

Total Estimated Cost: \$114,000

Project to Date Cost: \$2,000

Project Description

Installation of intersection and crosswalk street lighting

Justification

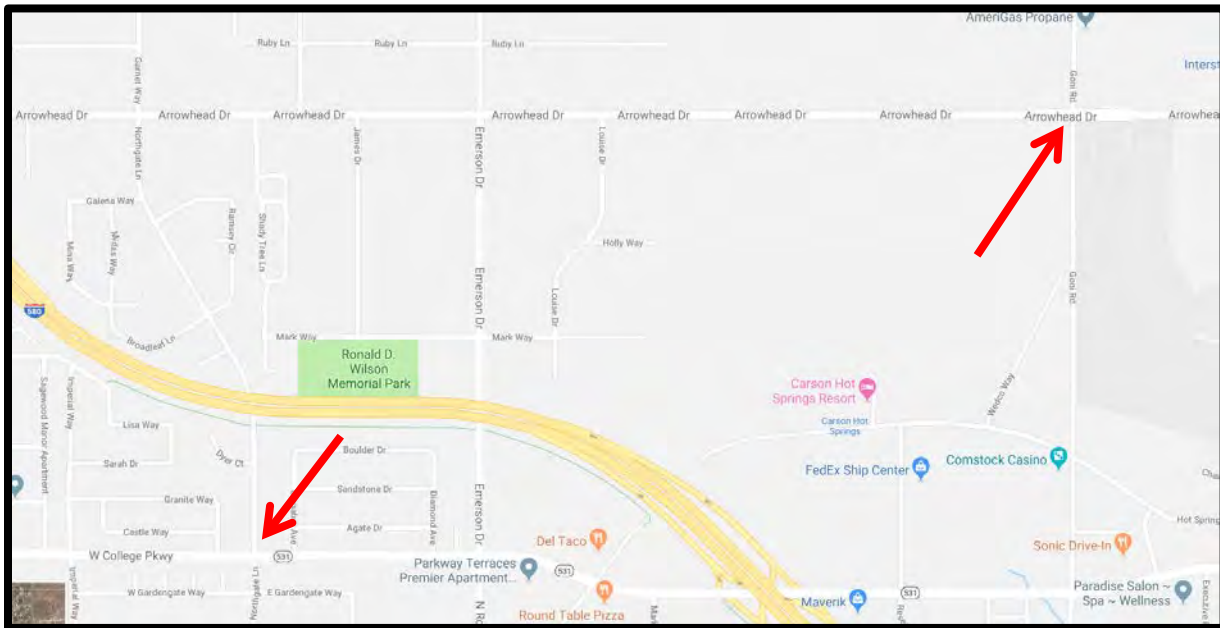
On September 12th the RTC directed staff to pursue transportation infrastructure projects for Performance District 1. In line with the City's Complete Streets policy, all of the FY 2019 pavement projects have been evaluated for Complete Street improvements. The two intersections noted above currently do not have any street lighting. The addition of street lighting at these locations is anticipated to improve safety for all users

Project Location

Northgate Lane and College Parkway intersection and Goni Road and Arrowhead Drive intersection

Status

NV Energy is currently working on final design for Carson City



Fiscal Year 2019 District 1 Pavement Preservation Projects (Part 2)

Project Name: Fiscal Year 2019 District 1 Pavement Preservation Projects (Part 2)

Project Number: 031902

Fund Number: 250

Fund Name: RTC

Source of Funding: FY 2019

Department: Public Works

Total Estimated Cost: \$70,000

Project to Date Cost: \$2,000

Project Description

Preservation Projects – Slurry Seal Type 3 Modified - This project is an extension of the FY19 District 1 Pavement Projects, this work needs to be completed after the CDBG College Parkway ADA project, which is why it was not included in the FY19 District 1 project

Justification

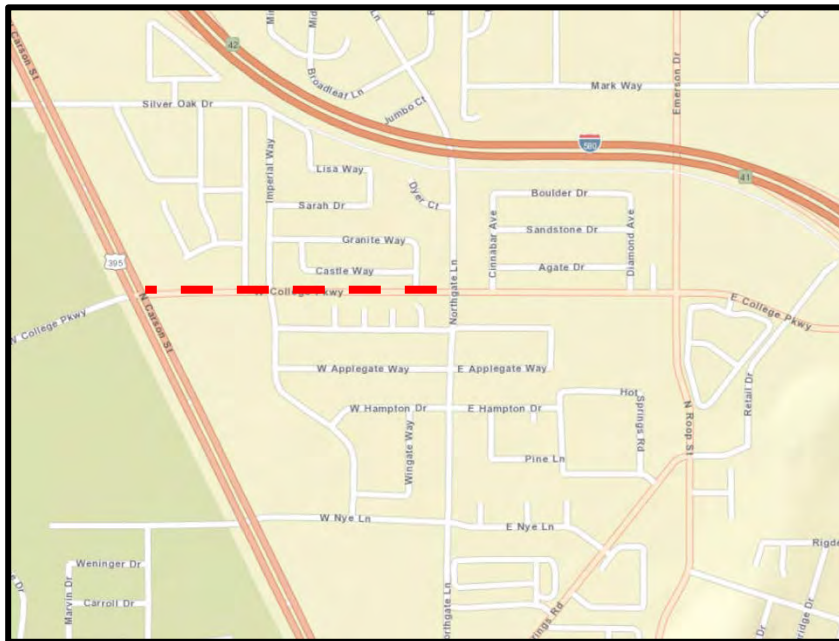
Roadways in Performance District 1 were evaluated according to the evaluation factors within the FY 2019-2022 Pavement Management Plan: Pavement Condition Index (PCI), roadway functional classification, safety needs, traffic volume, and construction efficiencies. The RTC approved pursuit of District 1 projects on September 12, 2018

Project Location

College Parkway between N. Carson Street and Northgate Lane

Status

Quotes were received on April 19th. SNC was the low quote at \$64,007. This work is scheduled to begin in August, after the CDBG College Parkway ADA project is complete



Clearview Micro-Surfacing Project

Project Name: Clearview Micro-Surfacing Project

Project Number: 031903

Fund Number: 253

Fund Name: V&T Infrastructure Fund

Source of Funding: FY 19 and FY 20

Department: Public Works

Total Estimated Cost: \$113,000

Project to Date Cost: \$2,000

Project Description

Type 3 Modified Micro-Surfacing on Clearview Drive between South Carson Street and Edmonds Drive

Justification

The East Clearview Drive Preservation Project, involves a micro-seal pavement preservation treatment and upgrading of pedestrian curb ramps to meet federal ADA standards along the 1.2-mile portion of East Clearview Drive from South Carson Street to Line Drive (just west of I-580). The pavement condition along this section of East Clearview Drive necessitates a pavement preservation treatment in order to maintain its current condition and avoid rapid deterioration that would otherwise occur without this critically-timed investment

Project Location

Clearview Drive between S. Carson Street and Edmonds Drive

Status

Quotes were received on April 19th. SNC was the low quote at \$84,007. This work will not begin until after July 1, 2019

