

**City of Carson City
Agenda Report**

Date Submitted: March 30, 2012

Agenda Date Requested: April 19, 2012
Time Requested: Consent
Labor Commissioner PWP # CC-2011-300

To: Mayor and Supervisors
From: Purchasing and Contracts

Subject Title: For Possible Action: To accept the Work as completed, to accept the Contract Summary as presented, and to approve the Release of Final Payment in the amount of \$53,154.13 for Contract No. 1011-241 titled Carson City Corporate Yard Salt/Cinder Building and Solar Photovoltaic System to Frank Lepori Construction, Inc. *(Kim Belt)*

Staff Summary: Project consisted of installing a complete and turnkey Pre-Fabricated Metal Building, Interior and Exterior Electrical and Lighting System, and Solar Photovoltaic System at the Corporate Yard facility adjacent to the existing Salt Shed.

Type of Action Requested: (check one)

☐ Resolution ☐ Ordinance
☒ Formal Action/Motion ☐ Other (Specify)

Recommended Board Action: I move to accept the Work as completed, to accept the Contract Summary as presented, and to approve the Release of Final Payment in the amount of \$53,154.13 for Contract No. 1011-241 titled Carson City Corporate Yard Salt/Cinder Building and Solar Photovoltaic System to Frank Lepori Construction, Inc. *(Kim Belt)*

Explanation for Recommended Board Action: This project is complete and the contractor is entitled to final payment.

Applicable Statute, Code, Policy, Rule or Policy: Final payment approval by the Carson City Board of Supervisors is an internal requirement. NRS 338 requires that payment be made within 30 days from the completion of work or interest must be paid to the contractor.

Fiscal Impact: No additional impact.

Explanation of Impact: Funding was approved in a prior Board Action.

Engineers Estimate: \$425,000.00

Project Cost:

Bid Award	\$515,819.99
Change Orders	<u>\$ 15,721.32</u>
Total Project Cost	\$531,541.31

Funding Source: Funding was approved in a prior Board Action.

Prior Board Funding: Bid was awarded on July 21, 2011 in the amount of \$515,819.99 plus a contingency amount not to exceed \$51,582.00.

Alternatives: Provide other direction pursuant to Board Action.

Supporting Material: Memo from Project Manager and Approved Change Orders.

Prepared By: Kim Belt, Purchasing and Contracts Manager

Reviewed By:

(Public Works)

Date:

4-10-12

(City Manager)

Date:

4/10/12

(District Attorney)

Date:

4/10/12

(Finance Director)

Date:

4/10/12

Board Action Taken:

Motion: _____

1) _____

Aye/Nay

2) _____

(Vote Recorded By)

Final Payment Summary

Contract No. 1011-241 FRANK LEPORI CONSTRUCTION, INC.

Project Name: CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLAR PHOTOVOLTAIC SYSTEM

Change Order Summary

Change Order No. 1	\$ 6,820.83	Change Order No. 11	\$ 0.00
Change Order No. 2	\$ 2,747.49	Change Order No. 12	\$ 0.00
Change Order No. 3	\$ 6,153.00	Change Order No. 13	\$ 0.00
Change Order No. 4	\$ 0.00	Change Order No. 14	\$ 0.00
Change Order No. 5	\$ 0.00	Change Order No. 15	\$ 0.00
Change Order No. 6	\$ 0.00	Change Order No. 16	\$ 0.00
Change Order No. 7	\$ 0.00	Change Order No. 17	\$ 0.00
Change Order No. 8	\$ 0.00	Change Order No. 18	\$ 0.00
Change Order No. 9	\$ 0.00	Change Order No. 19	\$ 0.00
Change Order No. 10	\$ 0.00	Change Order No. 20	\$ 0.00
Change Orders 1-10	\$ 15,721.32	Change Orders 11-20	\$ 0.00
Total Change Orders 1-20		\$ 15,721.32	

Payment Summary include what was actually paid to the contractor - not the retention

Payment No. 1	\$ 206,643.92	Payment No. 6	\$ 0.00
Payment No. 2	\$ 122,381.41	Payment No. 7	\$ 0.00
Payment No. 3	\$ 94,795.35	Payment No. 8	\$ 0.00
Payment No. 4	\$ 54,566.50	Payment No. 9	\$ 0.00
Payment No. 5	\$ 0.00	Payment No. 10	\$ 0.00
Total Payments 1-5	\$ 478,387.18	Total Payments 6-10	\$ 0.00
Total Payments 1-10		\$ 478,387.18	
Contract Award		\$ 515,819.99	
Approved Change Orders		\$ 15,721.32	
Adjusted Contract Sum		\$ 531,541.31	
Less Total Payments		\$ 478,387.18	
Balance Due		\$ 53,154.13	
Amount of the Under/Over of the Contract		\$ 0.00	
RETENTION TO BE RELEASED		\$ 53,154.13	

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION
3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

FLEET SERVICES
3303 Butti Way, Building 2
Carson City, NV 89701-3498
Ph: 775-887-2356
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CARSON CITY NEVADA
Consolidated Municipality and State Capital



MEMORANDUM

Date: 3/26/2012
To: Kim Belt, Purchasing and Contracts Manager
From: Darren Anderson, Assistant Project Manager
Subject: Carson City Corporate Yard Salt/Cinder Building and Photovoltaic System
Contract No. 1011-241 Project No. 2.0821
Completion of Contract Work

This is to advise you that all work required for the subject contract has been satisfactorily completed. Please prepare the necessary actions to release the retention for this contract. There were 4 Change Orders on this project as summarized below:

- C.O. #1 This change order was initiated by the City to increase the size of eight footing, install an additional 2 inches of asphalt for a 6 inch patch over 828 square feet, and install a 6 inch asphalt patch at rear building covering 100 square feet.
Cost for modification is = \$6,820.83
- C.O. #2 This change order was initiated by the City for removal of the existing slab where it obstructed the proposed grade beam and footings at the corner of the existing shed.
Cost for modification is = \$2,747.49
- C.O. #3 This change order was initiated by the City due to the change in the type of fiber optic connection at the project to meet Carson City's newly released specifications per Lux Energy.
Cost for modification is = \$6,153.00

The total cost adjustment due to the three change orders was \$15,721.32

**CARSON CITY CONTRACTS
CHANGE ORDER No. 1**

Contract No. 1011.241
Project Title: Salt/Cinder Building and Photovoltaic System Project File No. 2.0821

The Contractor is hereby authorized to make the following changes to the Scope of Work for the referenced contract, subject to the provisions of the contract documents:

This change order is initiated by the City to cover modifications made to Increase the size of eight footings according to Hyytinen Engineering and install additional 2 inches of asphalt for 6 inch patch over 828 square feet and 6 inch asphalt patch at rear of building covering 100 square feet.

Justification: Contract documents allow the City to make adjustments to the contract.

Requested By: City

Item #1: Increases ☒ Decreases ☐ Does not change ☐ the Contract Sum by: \$6,820.83
Item #1: Increases ☒ Decreases ☐ Does not change ☐ the Contract Term by: 28 Calendar days

SUMMARY

1 Original Contract Sum	\$515,819.99
2 Net change by previously approved Change Orders	\$0.00
3 Contract Sum prior to this Change Order	\$515,819.99
4 Contract Sum will be increased <input checked="" type="checkbox"/> decreased <input type="checkbox"/> unchanged <input type="checkbox"/> by:	\$6,820.83
5 Revised Contract Sum including this Change Order	\$522,640.82
6 Original number of calendar days to complete the contract	115
7 Contract Term will be increased <input checked="" type="checkbox"/> decreased <input type="checkbox"/> unchanged <input checked="" type="checkbox"/> by:	28 days
8 Revised number of days to complete the contract	143
9 Revised date of Completion by this Change Order	Dec. 28, 2011

Not valid until signed by Contracts, Contractor, and Project Manager.

This change authorization constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs, and time adjustment to perform the above described change. All other costs are non-compensable.

CONTRACTS

City of Carson City

By: Karen L White

Printed Name: KAREN L WHITE

Title: Management Asst III

Date: 11-8-11

CONTRACTOR

By: Frank M. Laporte

Printed Name: Frank M. Laporte

Title: President

Date: 11/8/11

PROJECT MANAGER

By: Tom Grundy

Printed Name: Tom Grundy

Title: Senior Project Manager

Date: 11-8-11

Handwritten initials

ATTACHMENT NO. 1 TO CHANGE ORDER NO. 1
East-West Water Transmission Main Project – Phase 1
CONTRACT NO. 1011-241 PROJECT 2.0821

This change order is initiated by the City for removal of existing slab in grade beam trench, removal of existing slab where it obstructs footings at the corner of the existing shed, increasing the size of eight footings, install additional asphalt thickness and patches, and add a 28 calendar day time extension for construction of the project.

Item Number 1

Increase the size of eight F9 footings at grids 2,3,4, and 5 per the response to Submittal #4A by Hyytinen Engineering from 9'0" square by 4'0" deep to 9'4" square by 4'0" deep.

Allowable cost adjustment is \$3,078.61

Item Number 2

Install additional 2 inches of asphalt for 6 inch patch over 828 square feet and 6 inch asphalt patch at rear of building covering 100 square feet.

Allowable cost adjustment is \$3,742.22

Item Number 3

Addition of a 28 calendar day extensions to the project.

Allowable time adjustment is 28 days

Total allowable cost adjustment for Change Order No. 1 is	\$6,820.83
Total allowable time extension to complete project is	28 days

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION
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CARSON CITY NEVADA
Consolidated Municipality and State Capital



Work Directive #3 for
Salt/Cinder Building and Photovoltaic System
Contract # 1011-241

Work Directive #3

Contractor: Frank Lepori Construction, Inc.
Date Issued: 10/25/2011

Item 1 Authorized Directive: Install additional 2 inches of asphalt for 6 inch patch over 828 square feet and 6 inch asphalt patch at rear of building covering 100 square feet. Payment shall be made according to the negotiated cost of \$3,742.22.

BY:

Tom Grundy, P.E.
Senior Project Manager





1475 Hymer Avenue (775) 337-2063
Sparks, NV 89431 Fax: (775) 337-2066
Nevada Contractors License # 0023372A

REQUEST FOR CHANGE ORDER #3

Date: October 20, 2011

Page: 1 of 2

To: **Rob Cho/ Hyung Lee**
PacificWest Engineering Solutions, Inc.
561 Keystone Avenue #300
Reno, NV 89503

Job Name & Address: **Carson City Corporate Yard Salt/ Cinder Building**
3303 Butti Way
Carson City, NV 89701

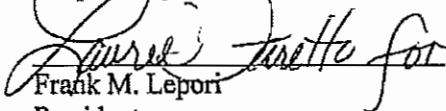
Additional costs to complete the AC Patching

REQUEST FOR C.O. #3 TOTAL: \$3,742.22 (See attached breakdown)

☐ Approved

☐ Denied

Respectfully submitted,


Frank M. Lepori
President
Frank Lepori Construction, Inc.

Authorized Signature

Date

IF APPROVED - The above prices and specifications in this RCO are satisfactory and are hereby approved. All work to be performed under the same terms and conditions as specified in the original Contract unless otherwise stipulated and this RCO shall become part of and in conformance with the existing Contract.

Please sign and return approved/denied R.C.O.. If "pending" is typed for "Revised Contract Amount" there are previous Request For Change Orders still outstanding. The correct amount will be entered on the next R.C.O. once the outstanding R.C.O.(s) are approved or denied.

Request for C.O. Total:	\$ 3,742.22
Previous Contract Amount:	\$518,898.60
Revised Contract Amount:	\$522,640.82

Page 2 of 2

Request for Change Order

CARSON CITY CORPORATE YARD SALT/ CINDER BUILDING

Carson City, NV 89701

**REQUEST FOR CHANGE ORDER #3
COST BREAKDOWN**

Additional costs to complete the AC Patching

Apex Grading & Paving:

Install additional 2" Asphalt for 6" Patch 728 s.f. @ \$3.12/s.f.	\$2,271.36
4" Asphalt Patch at Rear of Building 100 s.f. @ \$6.24/s.f.	\$ 624.00
Install additional 2" Asphalt for 6" Patch 100 s.f. @ \$3.12/s.f.	\$ 312.00

Frank Lepori Construction mark-up @ 5%	\$ 160.36
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Frank Lepori Construction, Inc (Direct Costs):

Laborer, 2 hours @ \$55.00/hr	\$ 110.00
Backhoe, 1 hour @ \$120.00/hr	\$ 120.00

Frank Lepori Construction, Inc (Indirect Costs)

Working Foreman Coordination: 1 hours @ \$65.20	\$ 65.20
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Frank Lepori Construction, Inc. mark-up @ 15%:	\$ 44.28
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Frank Lepori Construction, Inc insurance @ 1%:	\$ 35.02
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REQUEST FOR CHANGE ORDER TOTAL:	\$3,742.22
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**Additional contract days required to perform this work: Zero (0) calendar days*



PO Box 19045
Reno, Nevada 89511
Phone 775-852-9701
Fax 775-852-9702
NCL# 52001A - CCL# 892698

October 18, 2011

Mr. BJ Poupeney III
Frank Lepori Construction, Inc
1475 Hymer Ave.
Sparks, Nevada 89431
Phone: 337-2063
Fax: 337-2066

PROPOSAL FOR: Carson City Sand Shed AC Patching - Carson City, NV.

ITEM NO	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	4" Asphalt Patch Paving	728	sf	\$ 6.24	\$4,542.72
TOTAL BASE BID AMOUNT					\$4,542.72
ALTERNATE ITEMS					
1	Install Additional 2" Asphalt for 6" Patch	728	sf	\$ 3.12	\$2,271.36
2	4" Asphalt Patch at Rear of Building	100	sf	\$ 6.24	\$624.00
3	Install Additional 2" Asphalt for 6" Patch	100	sf	\$ 3.12	\$312.00

General Conditions & Exclusions

No fees, bonds or permits.
No construction staking, surveying or materials testing.
No erosion control measures or SWPP improvements.
No asphalt striping, unless noted otherwise.
No painting of curbs, unless noted otherwise.
No prime coat or asphalt sealant, unless noted otherwise.
No base rock installations or soil sterilant installations.
No traffic or flag control.
All manholes and valves to be at or below base/subgrade and raised and patched by others.
Sub/Basegrade is to be within 0.05' ± and accepted prior to our arrival.
Bid is based on prevailing wage rates.
Bid based on pricing established thru October 31st of the 2011 construction season. If work is to take place after this time asphalt prices will be subject to change in reflection of current Labor/Equipment and or Materials price escalations.
Bid is based on asphalt mix to conform to a Type 2 with lime, PG64-22, 60 blows, 4% voids, asphalt mix design.
Bid is based on one mobilization. Additional mobilizations will be an additional cost of \$1,100.00.
Payment is to be made within 30 days. Past due payments to be accessed 2% interest monthly or 24% annually.
Quantities are approximate, actual installed quantities to be field measured upon completion, unit price to prevail.
Proposal shall become part of any contractual agreements.
Proposal will be valid for 30 days, unless confirmed in writing.
No other work or materials.

If you should have any questions please feel free to call at 775-852-9701.

Thank you,

Rob Ayers

Handwritten notes:
Pl 4 220 1400 11 50 blows w/lime

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION

3505 Buttl Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

FLEET SERVICES

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CARSON CITY NEVADA
Consolidated Municipality and State Capital



Work Directive #2 for
Salt/Cinder Building and Photovoltaic System
Contract # 1011-241

Work Directive #2

Contractor: Frank Lepori Construction, Inc.
Date Issued: 10/13/2011

Item 1 Authorized Directive: Increase the size of eight (8) F9 footings at grids 2, 3, 4, and 5 per the response to Submittal #4A by Hyytinen Engineering from 9'0" square by 4'0" deep to 9'4" square by 4'0" deep. Payment shall be made according to the negotiated cost of \$3,078.61.

BY: _____

Tom Grundy, P.E.
Senior Project Manager



1475 Hymer Avenue (775) 337-2063
Sparks, NV 89431 fax: (775) 337-2066
Nevada Contractors License #0023372A

REQUEST FOR CHANGE ORDER #2Rev.2

Date: October 12, 2011

Page: 1 of 2

To: **Rob Cho/ Hyung Lee**
PacificWest Engineering Solutions, Inc.
561 Keystone Avenue #300
Reno, NV 89503

Job Name & Address: **Carson City Corporate Yard Salt/ Cinder Building**
3303 Butti Way
Carson City, NV 89701

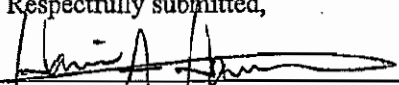
Additional costs to increase the size of eight (8) F9 footings at grids 2, 3, 4 and 5 per the response to Submittal #4A by Hyytinen Engineering from 9'-0" square by 4'-0" deep to 9'-4" square by 4'-0" deep. Additional concrete and excavation are required to perform work.

REQUEST FOR C.O. #2Revision2 TOTAL: \$3,078.61 (See attached breakdown)

☐ Approved

☐ Denied

Respectfully submitted,


Harrison Herrera
Project Manager
Frank Lepori Construction, Inc.

Authorized Signature Date

IF APPROVED - The above prices and specifications in this RCO are satisfactory and are hereby approved. All work to be performed under the same terms and conditions as specified in the original Contract unless otherwise stipulated and this RCO shall become part of and in conformance with the existing Contract.

Please sign and return approved/denied R.C.O.. If "pending" is typed for "Revised Contract Amount" there are previous Request For Change Orders still outstanding. The correct amount will be entered on the next R.C.O. once the outstanding R.C.O.(s) are approved or denied.

Request for C.O. Total:	\$ 3,078.61
Previous Contract Amount:	\$515,819.99
Revised Contract Amount:	\$518,898.60

*Work Directive
negotiated price*

**CARSON CITY CONTRACTS
CHANGE ORDER No. 2**

Contract No. 1011.241
Project Title: Salt/Cinder Building and Photovoltaic System
Project File No. 2.0821

The Contractor is hereby authorized to make the following changes to the Scope of Work for the referenced contract, subject to the provisions of the contract documents:

This change order is initiated by the City to cover modifications made to removal of existing slab in grade beam trench and removal of existing slab where it obstructs footings at the corner of the existing shed.
The 38" x 43" x 10" concrete pedestal which was to be used for the proposed photovoltaic inverter is no longer needed due to the inverter being changed to a wall mount. Addition of 9 days dues to delays.

Justification: Contract documents allow the City to make adjustments to the contract.

Requested By: City

Item #1: Increases ☒ Decreases ☐ Does not change ☐ the Contract Sum by: \$2,747.49
Item #1: Increases ☒ Decreases ☐ Does not change ☐ the Contract Term by: 12 Calendar days

SUMMARY

1 Original Contract Sum	\$515,819.99
2 Net change by previously approved Change Orders	\$6,820.83
3 Contract Sum prior to this Change Order	\$522,640.82
4 Contract Sum will be increased <input checked="" type="checkbox"/> decreased <input type="checkbox"/> unchanged <input type="checkbox"/> by:	\$2,747.49
5 Revised Contract Sum including this Change Order	\$525,388.31
6 Original number of calendar days to complete the contract	143
7 Contract Term will be increased <input checked="" type="checkbox"/> decreased <input type="checkbox"/> unchanged <input type="checkbox"/> by:	12 days
8 Revised number of days to complete the contract	155
9 Revised date of Completion by this Change Order	Jan. 9, 2011

Not valid until signed by Contracts, Contractor, and Project Manager.

This change authorization constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs, and time adjustment to perform the above described change. All other costs are non-compensable.

CONTRACTS

City of Carson City

By: [Signature]

Printed Name: Daren L White

Title: Management Asst III

Date: 12-14-11

CONTRACTOR

By: [Signature]

Printed Name: Frank M. Lipoci

Title: President

Date: 12/14/11

PROJECT MANAGER

By: [Signature]

Printed Name: Tom Grundy

Title: Senior Project Manager

Date: 12-13-11

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ATTACHMENT NO. 1 TO CHANGE ORDER NO. 2
Salt/Cinder Building and Photovoltaic System
CONTRACT NO. 1011-241 PROJECT 2.0821

This change order is initiated by the City for removal of existing slab in grade beam trench and removal of existing slab where it obstructs footings at the corner of the existing shed.

Item Number 1

Remove existing slab in trench to obtain required depth for grade beam on west side of building. Remove corner of existing slab where it obstructs construction of the footings for the new Salt/Cinder building on both corners of the existing salt/cinder shed. Install 6" asphalt patch over 100 square feet.

Allowable cost adjustment is \$2962.37

Item Number 2

The 38" x 43" x 10" concrete pedestal which was to be used for the proposed photovoltaic inverter is no longer needed due to the inverter being changed to a wall mount.

Allowable cost adjustment is \$214.88 credit

Item Number 3

An addition of 12 calendar days will be added due to delays from weather lack of soil data.

Allowable time adjustment is 12 days

Total allowable cost adjustment for Change Order No. 2 is	\$2,747.49
Total allowable time extension to complete project is	12 days

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION
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Carson City, NV 89701-3498
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CARSON CITY NEVADA
Consolidated Municipality and State Capital



Work Directive #1 for
Salt/Cinder Building and Photovoltaic System
Contract # 1011-241

Work Directive #1

Contractor: Frank Lepori Construction, Inc.
Date Issued: 10/12/2011

Item 1 Authorized Directive: Remove existing slab in trench to obtain required depth for grade beam on west side of building. Payment shall be made according to GC 6.4.1 of the contract which allows for a 5% markup on the subcontractor's invoice plus limited direct costs.

Item 2 Authorized Directive: Remove corner of existing slab where it obstructs construction of the footings for the new Salt/Cinder building on both corners of the existing salt/cinder shed. Payment shall be made on a time and expense basis following the conditions explained in GC 6.4.3 of the contract.

BY: _____

Tom Grundy, P.E.
Senior Project Manager



1475 Hymer Avenue (775) 337-2063
Sparks, NV 89431 fax: (775) 337-2066
Nevada Contractors License #0023372A

REQUEST FOR CHANGE ORDER #6

Date: November 7, 2011

Page: 1 of 2

To: **Rob Cho/ Hyung Lee**
PacificWest Engineering Solutions, Inc.
561 Keystone Avenue #300
Reno, NV 89503

Job Name & Address: **Carson City Corporate Yard Salt/ Cinder Building**
3303 Butti Way
Carson City, NV 89701

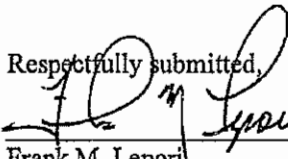
Additional costs per the attached Work Directive #1 issued on October 10, 2011 to remove an existing slab discovered in the trench for the grade on the west side of the building in order to obtain the required depth and remove the corner of an existing slab where it obstructed construction of the footings for the new salt/ cinder building on both corners of the existing salt/ cinder shed.

REQUEST FOR C.O. #6 TOTAL: \$2,962.37 (See attached breakdown)

☐ Approved

☐ Denied

Respectfully submitted,


Frank M. Lepori
President
Frank Lepori Construction, Inc.

Authorized Signature Date

IF APPROVED - The above prices and specifications in this RCO are satisfactory and are hereby approved. All work to be performed under the same terms and conditions as specified in the original Contract unless otherwise stipulated and this RCO shall become part of and in conformance with the existing Contract.

Please sign and return approved/denied R.C.O.. If "pending" is typed for "Revised Contract Amount" there are previous Request For Change Orders still outstanding. The correct amount will be entered on the next R.C.O. once the outstanding R.C.O.(s) are approved or denied.

Request for C.O. Total: \$ 2,962.37
Previous Contract Amount: \$539,675.73
Revised Contract Amount: \$542,638.10



Page 2 of 2

Request for Change Order

CARSON CITY CORPORATE YARD SALT/ CINDER BUILDING

Carson City, NV 89701

REQUEST FOR CHANGE ORDER #6 COST BREAKDOWN

Additional costs per the attached Work Directive #1 issued on October 10, 2011 to remove an existing slab discovered in the trench for the grade on the west side of the building in order to obtain the required depth and remove the corner of an existing slab where it obstructed construction of the footings for the new salt/ cinder building on both corners of the existing salt/ cinder shed.

Penhall Company, Inc (See attached):	\$ 681.00
Apex Grading: Install 6" asphalt patch 100 s.f. @ \$9.36/ s.f.	\$ 936.00 936.00
Sierra West Concrete: Additional Concrete material	No charge
Frank Lepori Construction, Inc mark-up @ 5%	\$ 80.85 39.05 80.85
Frank Lepori Construction, Inc. (Direct Costs)	
Operating Engineer (Foreman): 6 hours @ \$73.24/ hour	\$ 439.44
Laborer (Group 3): 6 hours @ \$44.25/ hour	\$ 265.50
Laborer Foreman (Group 4A): 3 hours @ \$46.38/ hour	\$ 139.14
Backhoe (Deere 410): 5 hours @ \$39.00/ hour	\$ 195.00
Air Compressor: 5 hours @ \$5.00/ hour	\$ 25.00
Jackhammer: 5 hours @ \$2.00/ hour	\$ 10.00
Frank Lepori Construction, Inc. mark-up @ 15%:	\$ <u>161.11</u>
Frank Lepori Construction, Inc insurance @ 1%:	\$ <u>29.33</u>
REQUEST FOR CHANGE ORDER TOTAL:	\$ 2,962.37 2,197.57

**Additional contract days required to perform this work: Zero (0) calendar days*



RECEIVED
OCT 28 2011

FRANK LEPORI CONSTRUCTION

Invoice No.	29575
Date	10/27/11
Customer No.	66675
Service Order	8177

B I L L T O	LEPORI CONSTRUCTION	R E M I T T O	PENHALL COMPANY
	1475 HYMER AVENUE		*Note New Remit To Address
	SPARKS NV 89431-		Dept 2911
	775-337-2063 775-337-2066		Los Angeles, CA 90084-2911

Job Address:	BUTTI WAY	Cust PO No.:	
Job Name/City:	CARSON CORPORATE YARD CARSON CITY	Cust Job No:	3554
Sales Person:	BRAY, MARK D.	Ordered By:	JESSIE
Job Division:	021	Job/Sub No:	211983

Description	Date	Ticket Number	Qty	Price	Amount
10/04/2011 FLAT SAW	10/21/11				
963' X 6" ASPHALT			1.00	933.50	933.50
10/13/2011 FLAT SAW					
81' X 5" ASPHALT					
78' X 10" CONCRETE			1.00	681.00	681.00

Vendor # _____
Ledger Acct # _____
Job # 3554
Cost Code # 205
Posted / Modified _____
Data Field / Or # _____

For billing questions please contact: 775-786-8498

Invoice Total: \$ 1,614.50

TERMS: NET 10 DAYS

Information provided as required by IRC section 3406

Penhall Company TIN 33-0349226

Payment Policy: Interest will be charged at a rate of 1 1/2% per month on accounts over 30 days or highest applicable interest rate.

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION
3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

FLEET SERVICES
3303 Butti Way, Building 2
Carson City, NV 89701-3498
Ph: 775-887-2356
Fx: 775-887-2258

OPERATIONS
(Water, Sewer, Wastewater,
Streets, Landfill, Environmental)
3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

**ENGINEERING/
TRANSPORTATION/
CAPITAL PROJECTS**
3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

**BUILDING and SAFETY
PERMIT CENTER**
108 E. Proctor Street
Carson City, NV 89701-4240
Ph: 775-887-2310
Fx: 775-887-2202

PLANNING
108 E. Proctor Street
Carson City, NV 89701-4240
Ph: 775-887-2180
Fx: 775-887-2278

CARSON CITY NEVADA
Consolidated Municipality and State Capital



Work Directive #4 for
Salt/Cinder Building and Photovoltaic System
Contract # 1011-241

Work Directive #4

Contractor: Frank Lepori Construction, Inc.
Date Issued: 11/21/2011

Item 1 Authorized Directive:

- Increase wire size from #2 AWG THHN to #1 AWG THHN per the engineer of record's direction
- add and interconnection "line-side" tap
- the quantity of wall pack is to remain at ten
- the quantity of induction fixtures is to remain at five
- deduct two interior strip light fixtures from the original bid set design for a total of twenty-eight 8' strip fixtures per the attached cutsheet.
- PV System to incorporate the alternate design consisting of:
 - One hundred sixty-five Canadian Solar CS6P-230P Modules.
 - Three Fronius 11.4-3 Delta Inverters
 - Unirac SolarMount-I Rackling System.
 - Total CEC Rated Output – 33,074w

This is a "no cost" item and there will be no adjustment to the contract amount.

Item 2 Authorized Directive:

The 38" x 43" x 10" concrete pedestal which was to be used for the proposed photovoltaic inverter is no longer needed due to the inverter being changed to a wall mount. A \$214.88 credit shall be made to the contract amount for this item.

BY: _____

Tom Grundy, P.E.
Senior Project Manager



1475 Hymer Avenue (775) 337-2063
Sparks, NV 89431 fax: (775) 337-2066
Nevada Contractors License # 0023372A

REQUEST FOR CHANGE ORDER #4Rev.2

Date: November 17, 2011

Page: 1 of 2

To: **Rob Cho/ Hyung Lee**
PacificWest Engineering Solutions, Inc.
561 Keystone Avenue #300
Reno, NV 89503

Job Name & Address: **Carson City Corporate Yard Salt/ Cinder Building**
3303 Butti Way
Carson City, NV 89701

Confirming "no-cost" change order to provide the following changes made to the original bid set of plans and the photovoltaic system as agreed to by the EOR, Frank Lepori Construction, Inc. and Lux Energies:

- Increase wire size from #2 AWG THHN to #1 AWG THHN per the engineer of record's direction.
- Add and interconnection "line-side" tap.
- Quantity of wall pack to remain at ten (10) and installed per the attached cutsheet.
- Quantity of induction fixtures to remain at five (5).
- Deduct (2) interior strip light fixtures from the original bid set design for a total of twenty-eight (28) 8' strip fixtures per the attached cutsheet.
- PV System to incorporate the alternate design consisting of:
 - ~One hundred sixty-five (165) Canadian Solar CS6P-230P Modules.
 - ~Three (3) Fronius 11.4-3 Delta Inverters.
 - ~Unirac SolarMount-I Racking System.
 - ~Total CEC Rated Output- 33,074w (Resulting in larger rebate qualification and quicker ROI)

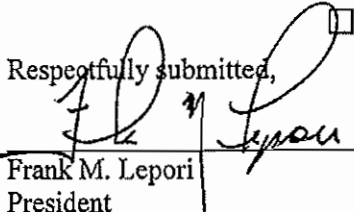
Note: See attached proposal for further summary of changes and recommendations.

REQUEST FOR C.O. #4Revision 2 TOTAL: \$0.00 (See attached breakdown)

☐ Approved

☐ Denied

Respectfully submitted,


Frank M. Lepori
President

Frank Lepori Construction, Inc.

Authorized Signature

Date

IF APPROVED - The above prices and specifications in this RCO are satisfactory and are hereby approved. All work to be performed under the same terms and conditions as specified in the original Contract unless otherwise stipulated and this RCO shall become part of and in conformance with the existing Contract.

Please sign and return approved/denied R.C.O.. If "pending" is typed for "Revised Contract Amount" there are previous Request For Change Orders still outstanding. The correct amount will be entered on the next R.C.O. once the outstanding R.C.O.(s) are approved or denied.

Request for C.O. Total:	\$0.00
Previous Contract Amount:	Pending
Revised Contract Amount:	Pending

FLC Job No. #3554

Page 2 of 2

Request for Change Order

CARSON CITY CORPORATE YARD SALT/ CINDER BUILDING

Carson City, NV 89701

**REQUEST FOR CHANGE ORDER #4Revision 2
COST BREAKDOWN**

Confirming "no-cost" change order to provide the following changes made to the original bid set of plans and the photovoltaic system as agreed to by the EOR, Frank Lepori Construction, Inc. and Lux Energies:

- Increase wire size from #2 AWG THHN to #1 AWG THHN per the engineer of record's direction.
- Add and interconnection "line-side" tap.
- Quantity of wall pack to remain at ten (10) and installed per the attached cutsheet.
- Quantity of induction fixtures to remain at five (5).
- Deduct (2) interior strip light fixtures from the original bid set design for a total of twenty-eight (28) 8' strip fixtures per the attached cutsheet.
- PV System to incorporate the alternate design consisting of:
 - ~One hundred sixty-five (165) Canadian Solar CS6P-230P Modules.
 - ~Three (3) Fronius 11.4-3 Delta Inverters.
 - ~Unirac SolarMount-I Racking System.
 - ~Total CEC Rated Output- 33,074w (Resulting in larger rebate qualification and quicker ROI)

Note: See attached proposal for further summary of changes and recommendations.

Lux Energies, Inc. (See attached): \$0.00

REQUEST FOR CHANGE ORDER TOTAL: \$0.00

**Additional contract days required to perform this work: Zero (0) calendar days*

Change Order

Modified: 11/17/2011
Revision: 5



17 November 2011

Lepori Construction
Attn: Harrison Herrera
1475 Hymer Ave.
Sparks, NV 89431

Carson City Corporate Yard Salt/Cinder Building
And Photovoltaic System
ELECTRICAL CHANGES DATED 9/30/11 and RCO#4
PWP# CC-2011-300

Lux Energies, a Service Disabled Veteran Owned Small Business (SDVOSB), is pleased to submit a quotation for the electrical work at the above referenced project, in accordance with all of the qualifications. Bid Limit is \$550,000.

Change Order #1:

- Increase wire size from #2 AWG THHN to #1 AWG THHN per engineer of record's direction.
- Add an interconnection "Line-side-tap".
- Quantity of wall packs to remain (10).
- Quantity of induction fixtures to remain (5).
- Deduct (2) interior strip light fixtures from original bid set design for a total of (28) 8' strip fixtures.
- PV System to incorporate alternate design consisting of:
 - (165) Canadian Solar CS6P-230P Modules
 - (3) Fronius 11.4-3 Delta Inverters
 - Unirac SolarMount-I Racking System
 - Total CEC Rated Output—33,074w (Resulting in larger rebate qualification and quicker ROI)

Total Cost Offset: \$0.00

Notes/Recommendations:

Per all calculations that I have done or seen, I recommend wire size to be increased to size 3/0 AWG. This is to account for voltage drop, and would be necessary for the old design and the new design and would require a cost increase. The total distance deviates from plan quite a bit as well, as I had my crew go out to verify. Plans say 476', but we have found that to be approximately 655'. Please see attached items and calculations.

In final response to RCO#4, I am not sure where Pacific West's calculations are coming from, but at this point, we are ready to move forward as directed. Design responsibility lies solely on the engineer of record.

*The terms of this change order will be the same as the original PO and contract and increase the total contract by the above stated amount. Sales Taxes Included in pricing.

Acceptance:

Accepted by: _____ Date: _____

Lux Energies Inc.  Date: 11/17/11

Page 1



Jim Baffrey <jim@luxenergies.com>

RCO #4

Hyung Lee <hlee@pacwestes.com>

Tue, Nov 15, 2011 at 4:54 PM

To: Harrison Herrera <harrison@leporiconstruction.com>

Cc: Robert Cho <rcho@pacwestes.com>, "jim@luxenergies.com" <jim@luxenergies.com>

Harrison,

Regarding RCO #4, here is where we are moving forward. In order to proceed, here is our response.

1. The original bid set drawings were correct for the wire from utility interconnection point and new salt / cinder building.
 - a. However, due to the added amps in Lux's design we are going up one wire size from #2 AWG to #1 AWG.
 - b. Going from 83 to 95 amps. Requiring an jump from #2 AWG to #1 AWG.
 - c. Per conversation with Lux, Lux will cover these costs due to their design.
 - d. The ground wire at #6 AWG, no change or charge.
2. Interconnection switch gear.
 - e. Per the conversation with Lux, the original design and final design have the same amount of over current protection devices.
 - f. PacificWest agrees that there are additional costs to labor due to the need for a line side tap.
 - g. We understand that the extra labor required is nominal.
 - h. Please provide itemized costs.
3. Per conversation with Lux we agreed that due to the credit for one fixture being removed from scope and the nominal cost difference for full cut off fixtures.
 - i. Total wall packs will be 10 qty.
 - j. We understand that there will be nominal credit issued or net \$0 cost.
 - k. Note that the bid set require photo sensor controls. Attached submitted cut sheet does not show that the fixture has photo sensor controls. Please mention if an external photo sensor is being used.
4. Please remove additional 200W induction fixture. Total number will be 5 per the original bid set.
5. Fixture quantity will be 4 rows of 7 fixtures, each fixture being (2) 4' 2L luminaries end to end, for a total of 28 mounting points.
 - l. Original bid set called for 30 qty.
 - m. There should be a credit for material and labor of (2) fixture sets
 - n. Submittal (attached) shows that an 2L 8' fixture is being used with 32 watt T8, which is not according to bid set specifications.
 - o. Please ensure that 28 watt T8 lamps and reduced output ballasts are used for the interior luminaries.


Please note that the above changes and Lux's redesign will be submitted for permit approval.

Let me know if you have any further occasions.

Hyung Lee
Energy Solutions Manager
PacificWest Energy Solutions, Inc.
18543 Devonshire Street #128
Northridge, CA 91324
310-562-7042 Mobile
800-310-9596 Fax

www.PacWestES.com
hlee@PacWestES.com

Conservation, Generation, Innovation

 **Sub#3_PhotovoltaicElectrical.pdf**
1165K



NCL 0071021 CCL 960679

Job Number:

Project: Carson Salt Cinder

Customer: PV Install

Date: 11/16/11

Old
~~Existing~~ System Design:Evergreen 205 w Modules (176): 185.4 CEC rating
PV Powered 30 Kw Inverter (1): 93% CEC efficiency rating

$$185.4 \text{ w} \times 176 = 32,630 \text{ w}$$

$$32,630 \text{ w} \times 93\% = 30,346 \text{ w}$$

$$30,346 / (208 \times \sqrt{3}) = 84.3 \text{ AMP}$$

125A OCPD - OK

New System Design:

Canadian Solar 230 w Modules (165): 21.1 CEC rating
Fronius 11.4-3 Inverters (3): 95% efficiency rating

$$21.1 \text{ w} \times 165 = 34,815 \text{ w}$$

$$34,815 \text{ w} \times 95\% = 33,074 \text{ w}$$

$$33,074 / (208 \times \sqrt{3}) = 91.8 \text{ AMP}$$

125A OCPD - OK



Wire diagrams

NCL 0071021 CCL 960679

Job Number: _____

Project: Carson Silt. Cinder

Customer: _____

Date: 11/16/11

From "Panel PV" to last J.Box before
interconnection Building - 345'

From J.Box to interconnection building - approx 15'

From interconnection building end to end - 260'

At interconnection point (needed) approx - 35'

Total estimated distance

655'



BUILDING TECHNOLOGY SOLUTIONS

2465 Sutro St.
Reno, NV 89512

O: (775) 562-4660
www.LuxEnergies.com

NCL 0071021 CCL 960679

Job Number: _____

Project: Carson Salt Cinder

Customer: PV Install

Date: 11/16/11

VOLTAGE DROP CALCS

Old System Design: (using #2 AWG Copper)

$$\frac{1.73 \times 655' \times .201 \times 84.3 \text{ amps}}{1000} = 19.2 \text{ volts}$$

New System Design: (using #2 AWG Copper)

$$\frac{1.73 \times 655' \times .201 \times 91.8}{1000} = 20.9 \text{ volts}$$

Old System Design: (using 3/0 AWG Copper)

$$\frac{1.73 \times 655' \times .0797 \times 84.3}{1000} = 7.6 \text{ volts}$$

New System Design: (using 3/0 AWG Copper)

$$\frac{1.73 \times 655' \times .0797 \times 91.8}{1000} = 8.3 \text{ volts}$$

Max Allowable Voltage Drop - 5% of 208v = 10.4 volts

HID Security "Dark Sky"

Standard Specifications

Housing	Die-Cast Aluminum (Specify Finish)
Lens	Tempered Clear Glass Lens
Ballast	iii 120/277 Volt-50/60Hz Electronic HPF <i>Fluorescent Cold Weather Start (-30°C)</i> iv 120 Volt/60Hz Reactor Magnetic NPF v 120/208/240/277 Volt/60Hz Magnetic HX HPF vi 120/208/240/277 Volt/60Hz Magnetic CWA HPF NOTE: All metal halide fixtures are IESA (pulse start) compliant
Lamp(s)	Lamp(s) Included
UL Label	TWet Location Listed

Custom Option Specifications

PE	Photocell (120 Volt Only) (Approved Layout)
PE2	Photocell (208-277 Volt) (Approved Layout)
WG	Wire Guard
VS	Vandal Sealed (Clear Polycarbonate)
Cx	Custom Wattage
277	277 Volts*
DIM	Dimming Ballast*
EMB1	Integral Emergency Ballast
EMB2	Remote Emergency Ballast
27K	27K Bulb
35K	35K Bulb
41K	41K Bulb
50K	50K Bulb
65K	65K Bulb
NL	No Lamps

Replacement Parts

LENS-740	Replacement Clear Glass Lens (Medium)
LENS-741	Replacement Clear Glass Lens (Large)
LENS-742	Replacement Clear Glass Lens (Extra Large)

Available Finishes



740-9-3B-26-5-PE-120

740, 741, 742 Series



-3B
Bronze



Dark Sky Compliant



Wall

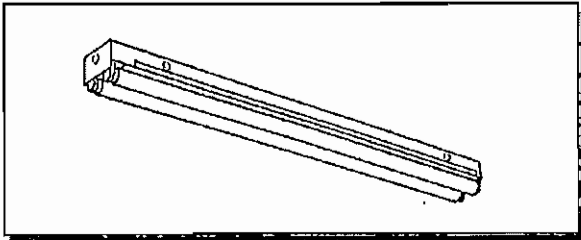
	740 - Medium	741 - Large	742 - Extra Large
Height	9.125"	9.125"	9.125"
Width	14.25"	18.25"	18.25"
Depth	11.625"	13.75"	17.125"

Product Family	Lens Type	Lens Size	Wattage	Options*
	9		740	
740 Medium	9 - Clear Glass	1 - Whitet 3B - Bronze 5 - Blackt	9 - (1) 9 Watt Twin Tube (i) 13 - (1) 13 Watt Twin Tube (i) 13QE - (1) 13 Watt Quad (ii) 18 - (2) 9 Watt Twin Tube (i) 18QE - (1) 18 Watt Quad (ii) 26 - (2) 13 Watt Twin Tube (i) 26QE - (1) 26 Watt Quad (iii) 36QE - (2) 18 Watt Quad (ii) 213QE - (2) 13 Watt Quad (ii) 32TT - (1) 32 Watt Triple Tube (iii) 42TT - (1) 42 Watt Triple Tube (iii) 70M - (1) 70 Watt MH (MEO) (i) 100M - (1) 100 Watt MH (MEO) (i) 175M - (1) 175 Watt MH (MOG) (i) 50H - (1) 50 Watt HPS (MEO) (i) 70H - (1) 70 Watt HPS (MEO) (i) 100H - (1) 100 Watt HPS (MOG) (i) 150H - (1) 150 Watt HPS (MOG) (i)	PE - Photocell (120 Volt Only) PE2 - Photocell (208-277 Volt) WG - Wire Guard VS - Vandal Shield (Clear Polycarbonate) EMB1 - Integral Emergency Ballast EMB2 - Remote Emergency Ballast DIM - Dimming Ballast* 277 - 277 Volts*
741 Large			741 26QE - (1) 26 Watt Quad (iii) 32TT - (1) 32 Watt Triple Tube (iii) 42TT - (1) 42 Watt Triple Tube (iii) 64TT - (2) 32 Watt Triple Tube (iii) 70TT - (1) 70 Watt Triple Tube Electronic (iii) 84TT - (2) 42 Watt Triple Tube (iii) 100M - (1) 100 Watt MH (MOG) (i)	150M - (1) 70 Watt MH (MOG) (i) 250M - (1) 250 Watt MH (MOG) (i) 250H - (1) 250 Watt HPS (MOG) (i)
742 Extra Large			742 140TT - (2) 70 Watt Triple Tube Electronic (iii) 400H - (1) 400 Watt HPS (MOG) (i) 400M - (1) 400 Watt MH (MOG) (i)	

*Additional lead times may apply.

T-UL Wet Location Listed

www.inconlighting.com



2', 3', 4', 6', or 8'
1 or 2 Lamp
T8 or T12

CONSTRUCTION/FINISH

- Luminaires suitable for unit, row, surface, or suspension mounting.
- Multiple knockouts for convenient installation.
- Heavy duty channel of code gauge die formed steel.
- High reflectance white baked enamel finish.
- Quarter turn latch secures channel cover for easy wireway access.
- See page 1119-S for strip reflectors.

ELECTRICAL

- UL listed for direct mounting on low density ceilings and damp locations.
- Class P, HPF, CBM certified ballasts comply with Federal Ballast Law (Public Law 100-357, 1988).
- Green grounding screw installed in channel.
- Lampholders may be individually replaced or rewired.

These will be installed in 8'
sections with 28w lamps.

CATALOG NUMBER

T	2	28	- UNV -	CG4
FIXTURE FAMILY T - Standard Strip (Rapid Start) except 20 TL - Standard Strip (Trigger Start) 20 only TT - Tandem "T" Series		LAMP TYPE/WATTAGE 17 - 17wT8 (24") 20 - 20wT12 (24") 25 - 25wT8 (36") 30 - 30wT12 (36") 32 - 32wT8 (48") 40 - 40wT12 (48") CF40 - 40wTT5 (24") CF50 - 50wTT5 (24") CF55 - 55wTT5 (24")		OPTIONS See Section 1600-0A for Option Information. See page 950-SS for Mounting Hardware.
	NO. OF LAMPS PER CROSS SECTION (not included) 1 2		VOLTAGE 120 277 347 UNV - Universal voltage, 120-277 volt (with T8 or T5 electronic ballast only)	

NOTES:

- With generic Electronic Ballasts (Brand selected by Day-Brite)

Suffix Catalog # with- Ballast Quantity - / -EB Lamps Per Ballast.

Example: -1/2-EB = One 2 Lamp Electronic Ballast.

Example: -1/4-EB = One 4 Lamp Electronic Ballast (Available for T8 only)

JOB INFORMATION

1103.2-S

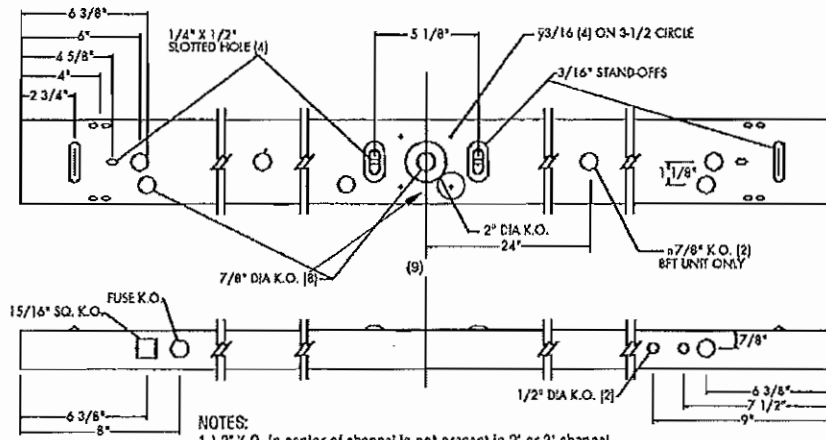
Job Name:
Type:

STANDARD STRIP

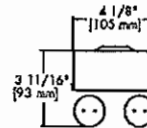
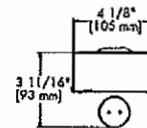


DIMENSIONS

NOTE: 2' & 3' MODELS INCLUDE ONLY OUTBOARD DETAILS



DIM. A"	INCHES	(MM)
2' CHANNEL	24"	(610 mm)
3' CHANNEL	36"	(914 mm)
4' CHANNEL	48"	(1219 mm)
6' CHANNEL	72"	(1829 mm)
8' CHANNEL	96"	(2438 mm)



NOTES:
1.) 2" K.O. in center of channel is not present in 2' or 3' channel.

PHOTOMETRIC DATA

CATALOG # T240
TEST #13900-1

S/MH=1.6

LAMPS = F40
BALLAST = ESB

INPUT WATTS = 84
BALLAST FACTOR = .94

LER = FS-66

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.64 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY = 93.4%

CANDLEPOWER			
Angle	End	45	Cross
0	1067	1067	1067
5	1061	1069	1071
15	1021	1074	1102
25	942	1061	1125
35	822	1025	1127
45	685	954	1031
55	515	855	1017
65	331	735	882
75	155	471	722
85	75	310	494
95	0	145	502
105	0	305	451
115	0	225	339
125	0	171	324
135	0	135	245
145	0	85	188
155	0	48	95
165	0	14	35
175	0	5	8

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*						
■ 50-50-20 Reflectances (Ceiling-Wall-Floor)						
■ LLF = 0.74 3050 Lumens/Lamp Medium Dirt						
■ Room width divided by room height = 5 or more, 2 or 1						
Fixture Size & # of Lamps	Room Width Room Height =	10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
4'	5	339	112	63	47	33
2-Lamp	2	220	73	44	31	-
	1	156	52	31	-	-

LIGHT LOSS FACTOR DATA	
LLF = 0.74 HPF Ballast	LLF = LDD X LLD X BF
LLF = 0.43 LPF Ballast	LDD = Clean 0.93 Medium 0.89
LLF = Light Loss Factor	Dirt 0.85
LDD = Luminaire Dirt Depreciation	LLD = 0.88 @ 40% Rated Lamp Life
IES Category I Clean Annually	BF = 0.94 HPF Ballast
LLD = Lamp Lumen Depreciation	= 0.55 LPF Ballast
BF = Ballast Factor (commercial)	Relamp @ 70% Lamp Life
ballast performance)	

COEFFICIENT OF UTILIZATION									
p/c per ft²	20			70			50		
	70	50	30	70	50	30	70	50	30
RCR	1	55	80	85	90	85	82	78	75
	2	55	77	70	81	74	67	67	62
	3	77	67	59	73	64	57	59	52
	4	70	59	50	67	55	48	51	45
	5	64	51	43	61	49	41	45	38
	6	58	46	37	55	44	36	40	33
	7	54	41	32	51	39	31	35	29
	8	49	36	28	47	35	27	32	25
	9	45	33	25	43	31	24	29	22
	10	42	30	22	40	28	21	26	20

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	833	14.8	15.6
0-40	1518	24.9	26.7
0-60	2973	48.7	52.2
0-90	4541	74.4	79.7
90-180	1154	18.9	20.3
0-180	5695	93.4	100.0

PHOTOMETRIC DATA

CATALOG # T232-1/2-E8
TEST #14719 S/MH=1.6

LAMPS = F32TB
BALLAST = ELECTRONIC

INPUT WATTS = 61
BALLAST FACTOR = .88

LER = FS-78

COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$3.08 BASED ON 3000 HRS. AND \$.08 PER KWH.

FIXTURE EFFICIENCY = 93.3%

CANDLEPOWER			
Angle	End	45	Cross
0	1019	1019	1019
5	1015	1018	1019
15	975	1009	1034
25	904	990	1059
35	784	958	1059
45	656	898	1019
55	494	800	956
65	325	688	911
75	154	590	718
85	75	309	432
95	0	153	452
105	0	305	512
115	0	230	379
125	0	153	334
135	0	104	236
145	0	48	133
155	0	14	42
165	0	5	6
175	0	5	8

MAINTAINED ILLUMINATION TABLE- Square Feet/Fixture*						
■ 80-50-20 Reflectances (Ceiling-Wall-Floor)						
■ LLF = 0.75 2900 Lumens/Lamp Clean						
■ Room width divided by room height = 5 or more, 2 or 1						
Fixture Size & # of Lamps	Room Width Room Height =	10 ft-c	30 ft-c	50 ft-c	70 ft-c	100 ft-c
2-Lamp	5	-	130	78	56	59
32 watt	2	-	84	50	36	-
	1	-	59	36	-	-

*Observe Fixture S/MH Requirements for Specific Applications

AVERAGE LUMINANCE CD/SQ.M WITH 2900 LUMEN LAMPS			
ANGLE	END	45°	CROSS
45	5257	6389	6586
55	5693	6243	5738
65	4843	6162	7171
75	3551	6404	6627
85	1448	4423	5033

TYPICAL V.C.P.'s				
Room Size	Mounting Height	Lengthwise	Crosswise	
30x30	22	27	16	20
40x40	19	22	14	17
60x30	23	25	19	23
60x60	17	19	13	14
100x100	17	18	12	13

COEFFICIENT OF UTILIZATION									
p/c per ft²	20			70			50		
	70	50	30	70	50	30	70	50	30
RCR	0	107	107	107	102	102	93	93	93
	1	84	89	83	90	84	81	78	73
	2	84	76	68	80	72	66	66	60
	3	77	68	58	71	62	55	58	51
	4	69	59	48	66	55	48	50	42
	5	64	51	41	59	48	40	44	36
	6	57	45	35	53	42	34	40	33
	7	54	40	32	51	39	30	35	28
	8	50	35	28	46	35	28	33	25
	9	46	34	25	44	32	25	29	23
	10	44	30	23	40	29	23	26	20

LIGHT DISTRIBUTION			
DEGREES	LUMENS	% LAMP	% FIXTURE
0-30	839	14.5	15.5
0-40	1429	24.6	26.4
0-60	2793	48.1	51.6
0-90	4316	74.4	79.8
90-180	1034	18.9	20.2
0-180	5410	93.3	100.0

1103.2-S

DAY-BRITE LIGHTING
776 South Green Street • Tupelo, Mississippi 38804 • PH: (662) 842-7212 • FAX: (662) 841-5501
CANADIAN DIVISION
163 Bullock Drive • Markham, Ontario L3P 1W4 • PH: (905) 294-9570 • FAX: (905) 254-9811

©2008 DAY-BRITE LIGHTING
DS 03-08
DAY-BRITE RESERVES THE RIGHT TO
MAKE CHANGES WITHOUT NOTICE





1475 Hymer Avenue (775) 337-2063
Sparks, NV 89431 fax: (775) 337-2066
Nevada Contractors License # 0023372A

REQUEST FOR CHANGE ORDER #5

Date: November 1, 2011

Page: 1 of 2

To: **Rob Cho/ Hyung Lee**
PacificWest Engineering Solutions, Inc.
561 Keystone Avenue #300
Reno, NV 89503

Job Name & Address: **Carson City Corporate Yard Salt/ Cinder Building**
3303 Butti Way
Carson City, NV 89701

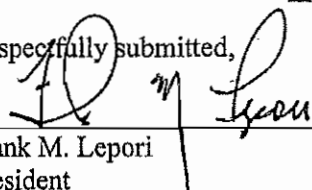
Credit for the 38" x 43" x 10" concrete pedestal which was to be used for the proposed photovoltaic inverter. During the submittal process the inverter installation was changed to be wall-mounted and therefore eliminated the need for the concrete pedestal.

REQUEST FOR C.O. #5 TOTAL: <\$214.88> (See attached breakdown)

☐ Approved

☐ Denied

Respectfully submitted,



Frank M. Lepori
President
Frank Lepori Construction, Inc.

Authorized Signature Date

IF APPROVED - The above prices and specifications in this RCO are satisfactory and are hereby approved. All work to be performed under the same terms and conditions as specified in the original Contract unless otherwise stipulated and this RCO shall become part of and in conformance with the existing Contract.

Please sign and return approved/denied R.C.O.. If "pending" is typed for "Revised Contract Amount" there are previous Request For Change Orders still outstanding. The correct amount will be entered on the next R.C.O. once the outstanding R.C.O.(s) are approved or denied.

Request for C.O. Total:	<\$ 214.88>
Previous Contract Amount:	\$539,890.61
Revised Contract Amount:	\$539,675.73

Page 2 of 2

Request for Change Order

CARSON CITY CORPORATE YARD SALT/ CINDER BUILDING

Carson City, NV 89701

REQUEST FOR CHANGE ORDER #5 COST BREAKDOWN

Credit for the 38" x 43" x 10" concrete pedestal which was to be used for the proposed photovoltaic inverter. During the submittal process the inverter installation was changed to be wall-mounted and therefore eliminated the need for the concrete pedestal.

Sierra West Concrete (See attached):	<\$ 145.00>
Frank Lepori Construction mark-up @ 5%	<\$ 7.25>
Frank Lepori Construction, Inc. (Direct Costs)	
Excavation & Compaction	<\$ 52.61>
Frank Lepori Construction, Inc. mark-up @ 15%:	< <u>\$ 7.89</u> >
Frank Lepori Construction, Inc insurance @ 1%:	< <u>\$ 2.13</u> >
REQUEST FOR CHANGE ORDER TOTAL:	<\$ 214.88>

**Additional contract days required to perform this work: Zero (0) calendar days*

From: Sierra West Concrete [mailto:rknorzer@aol.com]
Sent: Wednesday, October 12, 2011 10:17 AM
To: harrison@leporiconstruction.com
Subject: Re: Carson City Corp. Yard- Cocnrete

Harrison,

We reviewed our take off for the Inverter Pad...want to make sure we are talking about the same thing, Our figures for this pad was only a 38" x 43" x 10" thick pad...if we are on the same page the deduction would be \$145.00.

We can credit that in a change order, We also need a change order for the revisions on the footings...

Please advise, Available anytime on cell...690-5347

Tim Knorzer

-----Original Message-----

From: Harrison Herrera <harrison@leporiconstruction.com>
To: 'Sierra West Concrete' <rknorzer@aol.com>
Cc: Jesse <jesse@leporiconstruction.com>
Sent: Fri, Oct 7, 2011 1:11 pm
Subject: Carson City Corp. Yard- Cocnrete

Tim,

Good afternoon. I wanted to give you the heads up that the inverter pad (Pedestal) has been eliminated from the project; these units will now be surface mounted to the metal building. The owner has requested that a credit be provided for this work. Please do so at your earliest convenience. Contact me with any questions.

Harrison Herrera
Project Manager
Frank Lepori Construction, Inc.
(775) 337-2063
(775) 337-2066 Fax

Confidentiality Notice: This communication and any attachments it contains are for the use of the intended recipient(s) only and may contain confidential, proprietary and privileged information that may be exempt from disclosure under applicable law. If you are not the intended recipient(s) and have received this in error, you are hereby advised that any review, retention, copying, disclosure, or distribution of this communication or any portion thereof is strictly prohibited. Please notify the sender by replying to this message and delete this message and any attachments from your computer. All efforts have been made to verify this email and any attachments are virus free, however, we cannot accept any liability.

**CARSON CITY CONTRACTS
CHANGE ORDER No. 3**

Contract No. 1011.241
Project Title: Salt/Cinder Building and Photovoltaic System Project File No. 2.0821

The Contractor is hereby authorized to make the following changes to the Scope of Work for the referenced contract, subject to the provisions of the contract documents:

This change order is initiated by the City to cover modifications made to This change order is initiated due to the change in the type of fiber optic connection at the project to meet Carson City's newly released specifications per Lux Energies.

Justification: Contract documents allow the City to make adjustments to the contract.

Requested By: City

Item #1: Increases ☒ Decreases ☐ Does not change ☐ the Contract Sum by: \$6,153.00

Item #1: Increases ☐ Decreases ☐ Does not change ☒ the Contract Term by: _____ Calendar days

SUMMARY

- 1 Original Contract Sum
- 2 Net change by previously approved Change Orders
- 3 Contract Sum prior to this Change Order
- 4 Contract Sum will be increased ☒ decreased ☐ unchanged ☐ by:
- 5 Revised Contract Sum including this Change Order
- 6 Original number of calendar days to complete the contract
- 7 Contract Term will be increased ☐ decreased ☐ unchanged ☒ by:
- 8 Revised number of days to complete the contract
- 9 Revised date of Completion by this Change Order

\$515,819.99
\$9,568.32
\$525,388.31
\$6,153.00
\$531,541.31
155
0
Jan. 9, 2011

Jan. 30, 2012 *[Signature]*

Not valid until signed by Contracts, Contractor, and Project Manager.

This change authorization constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs, and time adjustment to perform the above described change. All other costs are non-compensable.

CONTRACTS

City of Carson City

By: *[Signature: Karen L White]*
Printed Name: Karen L White
Title: Management Asst III
Date: 12-29-11

CONTRACTOR

By: *[Signature: Frank M. Lepori]*
Printed Name: Frank M. Lepori
Title: President
Date: 12/29/11

PROJECT MANAGER

By: *[Signature: Tom Grundy]*
Printed Name: Tom Grundy
Title: Senior Project Manager
Date: 12-22-11

[Handwritten mark]

**CARSON CITY CONTRACTS
CHANGE ORDER No. 3**

Contract No. 1011.241

Project Title: Salt/Cinder Building and Photovoltaic System

Project File No. 2.0821

The Contractor is hereby authorized to make the following changes to the Scope of Work for the referenced contract, subject to the provisions of the contract documents:

This change order is initiated by the City to cover modifications made to This change order is initiated due to the change in the type of fiber optic connection at the project to meet Carson City's newly released specifications per Lux Energies.

Justification: Contract documents allow the City to make adjustments to the contract.

Requested By: City

Item #1: Increases ☒ Decreases ☐ Does not change ☐ the Contract Sum by: \$6,153.00

Item #1: Increases ☐ Decreases ☐ Does not change ☒ the Contract Term by: _____ Calendar days

SUMMARY

1	Original Contract Sum	\$515,819.99
2	Net change by previously approved Change Orders	\$9,568.32
3	Contract Sum prior to this Change Order	\$525,388.31
4	Contract Sum will be increased <input checked="" type="checkbox"/> decreased <input type="checkbox"/> unchanged <input type="checkbox"/> by:	\$6,153.00
5	Revised Contract Sum including this Change Order	\$531,541.31
6	Original number of calendar days to complete the contract	155
7	Contract Term will be increased <input type="checkbox"/> decreased <input type="checkbox"/> unchanged <input checked="" type="checkbox"/> by:	0
8	Revised number of days to complete the contract	Jan. 9, 2011
9	Revised date of Completion by this Change Order	

Not valid until signed by Contracts, Contractor, and Project Manager.

This change authorization constitutes full and complete compensation for all labor, equipment, materials, overhead, profit, any and all indirect costs, and time adjustment to perform the above described change. All other costs are non-compensable.

CONTRACTS

City of Carson City

By: _____

Printed Name: _____

Title: _____

Date: _____

CONTRACTOR

By: _____

Printed Name: _____

Title: _____

Date: _____

PROJECT MANAGER

By: 

Printed Name: Tom Grundy

Title: Senior Project Manager

Date: 12-22-11

h2

ATTACHMENT NO. 1 TO CHANGE ORDER NO. 3
Salt/Cinder Building and Photovoltaic System
CONTRACT NO. 1011-241 PROJECT 2.0821

This change order is initiated due to the change in the type of fiber optic connection at the project to meet Carson City's newly released specifications per Lux Energies.

Item Number 1

This item includes the additional cost to change the type of fiber optic connection at the project to meet Carson City's newly released specifications per Lux Energies.

Allowable cost adjustment is \$6153.00

Total allowable cost adjustment for Change Order No. 2 is	\$6153.00
Total allowable time extension to complete project is	0 days

**PUBLIC WORKS
DEPARTMENT**

ADMINISTRATION

3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

FLEET SERVICES

3303 Butti Way, Building 2
Carson City, NV 89701-3498
Ph: 775-887-2356
Fx: 775-887-2258

OPERATIONS

(Water, Sewer, Wastewater,
Streets, Landfill, Environmental)
3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

**ENGINEERING/
TRANSPORTATION/
CAPITAL PROJECTS**

3505 Butti Way
Carson City, NV 89701-3498
Ph: 775-887-2355
Fx: 775-887-2112

**BUILDING and SAFETY
PERMIT CENTER**

108 E. Proctor Street
Carson City, NV 89701-4240
Ph: 775-887-2310
Fx: 775-887-2202

PLANNING

108 E. Proctor Street
Carson City, NV 89701-4240
Ph: 775-887-2180
Fx: 775-887-2278

CARSON CITY NEVADA
Consolidated Municipality and State Capital



Work Directive #5 for
Salt/Cinder Building and Photovoltaic System
Contract # 1011-241

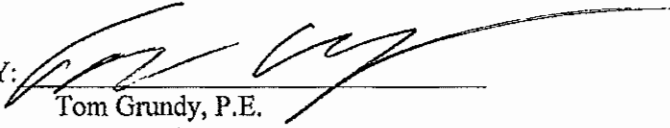
Work Directive #5

Contractor: Frank Lepori Construction, Inc.
Date Issued: 12/13/2011

Item 1 Authorized Directive:

This item includes the additional cost to change the type of fiber optic connection at the project to meet Carson City's newly released specifications per Lux Energies. A cost adjustment of \$6,153.00 shall be made to the contract for this item.

BY:


Tom Grundy, P.E.
Senior Project Manager



1475 Hymer Avenue (775) 337-2063
Sparks, NV 89431 fax: (775) 337-2066
Nevada Contractors License # 0023372A

REQUEST FOR CHANGE ORDER #8

Date: December 2, 2011

Page: 1 of 2

To: **Rob Cho/ Hyung Lee**
PacificWest Engineering Solutions, Inc.
561 Keystone Avenue #300
Reno, NV 89503

Job Name & Address: **Carson City Corporate Yard Salt/ Cinder Building**
3303 Butti Way
Carson City, NV 89701

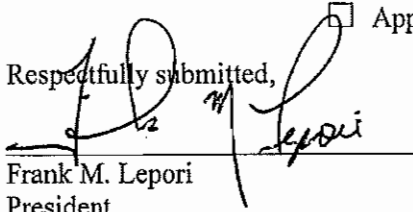
Additional costs to change the type of fiber optic connection at the project to meet Carson City's newly released specifications per the attached scope provided by Lux Energies (See attached).

REQUEST FOR C.O. #8 TOTAL: \$6,153.00 (See attached breakdown)

Respectfully submitted,

☐ Approved

☐ Denied


Frank M. Lepori
President
Frank Lepori Construction, Inc.

Authorized Signature Date

IF APPROVED - The above prices and specifications in this RCO are satisfactory and are hereby approved. All work to be performed under the same terms and conditions as specified in the original Contract unless otherwise stipulated and this RCO shall become part of and in conformance with the existing Contract.

Please sign and return approved/denied R.C.O.. If "pending" is typed for "Revised Contract Amount" there are previous Request For Change Orders still outstanding. The correct amount will be entered on the next R.C.O. once the outstanding R.C.O.(s) are approved or denied.

Request for C.O. Total:	\$ 6,153.00
Previous Contract Amount:	\$525,388.31
Revised Contract Amount:	\$531,541.31

Page 2 of 2

Request for Change Order

CARSON CITY CORPORATE YARD SALT/ CINDER BUILDING

Carson City, NV 89701

REQUEST FOR CHANGE ORDER #8
COST BREAKDOWN

Additional costs to change the type of fiber optic connection at the project to meet Carson City's newly released specifications per the attached scope provided by Lux Energies (See attached).

Lux Energies, Inc. (See attached):	\$ 5,860.00
------------------------------------	-------------

Frank Lepori Construction, Inc. mark-up @ 5%	<u>\$ 293.00</u>
--	------------------

REQUEST FOR CHANGE ORDER TOTAL:	\$ 6,153.00
--	--------------------

**Additional contract days required to perform this work: Zero (0) calendar days*

Change Order

Modified: 12/02/2011
Revision: 1



2 December 2011

Lepori Construction
Attn: Harrison Herrera
1475 Hymer Ave.
Sparks, NV 89431

Carson City Corporate Yard Salt/Cinder Building
And Photovoltaic System
FIBER CONNECTION CHANGES
PWP# CC-2011-300

Lux Energies, a Service Disabled Veteran Owned Small Business (SDVOSB), is pleased to submit a quotation for the electrical work at the above referenced project, in accordance with all of the qualifications. Bid Limit is \$550,000.

Change Order #2:

- 1) Change type of fiber optic connection to meet Carson City's newly released specifications. Original bid set plans called out fiber connection for PV monitoring only.

Originally Proposed:

Installation of one 6 strand, multi-mode, OSP, fiber optic cable. This cable will be installed in conduit supplied by others. Termination of the fiber will be with field installed type SC connectors. All strands will be tested and labeled upon completion.

Inclusions:

- 600' – 6 strand OSP, 62.5, Fiber Optic Cable
- 2 – Wall Mount Fiber Enclosures
- 2 – 6 Port SC Fiber Bulkheads
- 12 – SC Unicam Fiber Connectors
- 1 – Lot Installation, Termination and Testing Labor

Included in Bid (No Cost Impact)

Per City Specifications:

Installation of one 12 strand, multi-mode, OSP, fiber optic cable. This cable will be installed in conduit supplied by others. Termination of the fiber will be with pre ended SC OM1 pigtails fusion spliced to the OSP fiber. The appropriate splice tray and connector bracket for each enclosure will also be installed. All strands will be tested and labeled upon completion.

Change Order

Inclusions:

- 600' – 12 strand OSP, 62.5, Fiber Optic Cable
- 1 – Corning Wall Mount Fiber Enclosure Corning P/N WCH-02P w/Lock Kit
- 1 – Corning Rack Mount Fiber Enclosure Corning P/N PCH-01U
- 3 – 12 Port SC Fiber Bulkheads
- 1 – 12/24 Splice Trays for WCH Enclosure Corning P/N M67-110
- 1 – Splice Tray Brackets Corning P/N WCH-SPLC-2P
- 1 – 12/24 Splice Tray for PCH Enclosure Corning P/N M67-48
- 1 – Splice Tray Connector Kit Corning P/N PC1-SPLC-04R
- 2 – Pigtailed 12 SC Duplex 3 Meter 62.5 OM1
- 1 – Lot Fusion Splice Rental
- 1 – Lot Installation, Termination and Testing Labor
- 2 – Automation Direct SE-SW5U-SC-WT 5 port Ether Switch w/SC Fiber Port
- 2 – Automation Direct PSC-24-015 Power Supply

Additional Materials: \$4,110.02

Additional Labor: \$1,442.76

Tax: \$307.22

Total Cost Increase: \$5,860.00

*The terms of this change order will be the same as the original PO and contract and increase the total contract by the above stated amount.
Sales Taxes included in pricing.

Acceptance:

Accepted by: _____ Date: _____

Lux Energies Inc.  Date: 12/02/11

FREEDM® One Plenum Cables

A LANscape®
Solutions Product

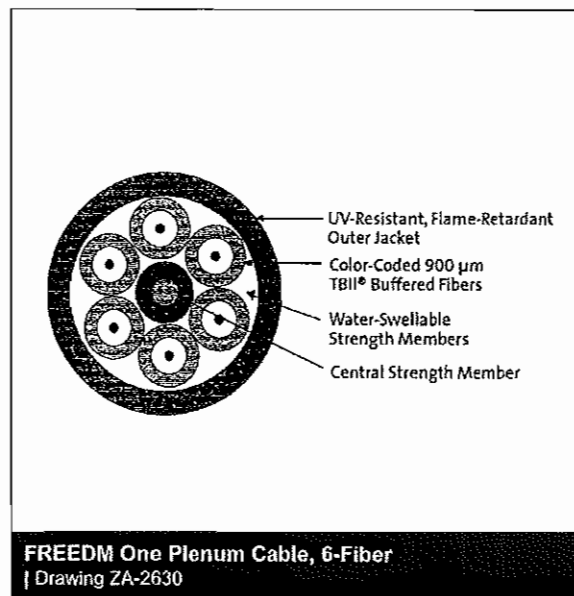
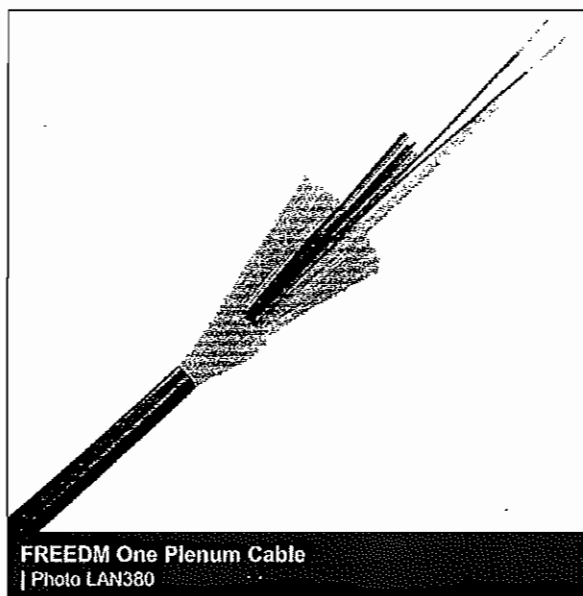
features and benefits |

Waterblocking technology	OSP applications
Small diameter and bend radius	Easy installation in space-constrained areas
Color-coded fibers	Easy identification and consistent strippings
All-dielectric cable construction	Requires no grounding or bonding
UV resistant, flame-retardant jacket	Rugged, durable and easy to strip

Corning Cable Systems FREEDM® One Plenum Cables are flame-retardant, indoor/outdoor, plenum cables designed for aerial and duct applications with no need for a transition splice when entering the building. Available in fiber counts of six, 12, 18 and 24 fibers, the tight-buffered construction facilitates easier termination for low-fiber-count applications in the local area network (LAN) and eliminates need for fan-out kits. The design features TIA-598 color-coded 900 µm TBII® Buffered Fibers for easy identification, consistent stripping and direct termination.

Available in 50 µm, 62.5 µm, single-mode and hybrid versions, the cable design meets ICEA S-104-696 test criteria and is also OFNP and FT-6 listed for plenum, riser and general purpose use. The small diameter and bend radius of the cable allow for easy installation in space-constrained areas, while the innovative water-blocking technology is ideal for OSP applications.

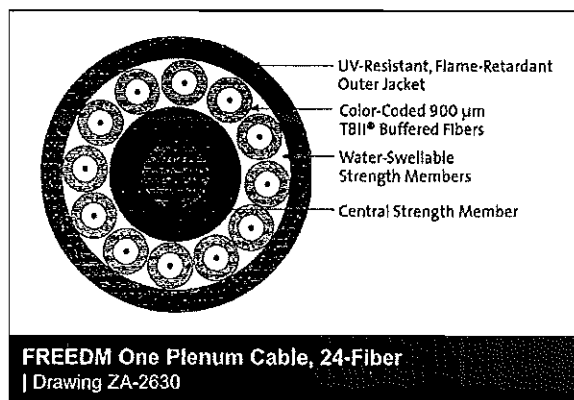
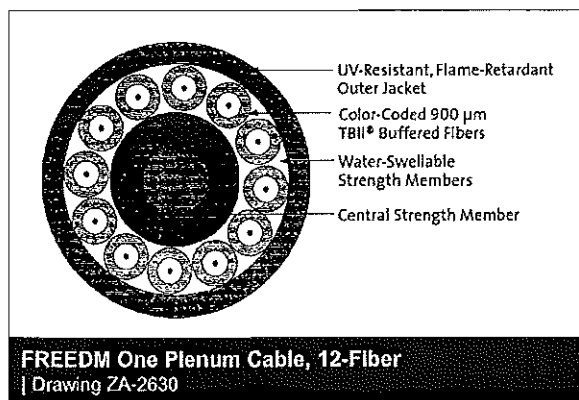
(continued)



FREEDM® One Plenum Cables

A LANscape®
Solutions Product

The all-dielectric cable construction requires no grounding or bonding and the UV-resistant, flame-retardant jacket is rugged, durable and easy to strip. This cable is also available with interlocking armor for special applications requiring additional mechanical durability.



specifications |

Temperatures

Storage: -40° to +70°C (-40° to +158°F)
Installation: 0° to +60°C (+32° to +140°F)
Operation: -40° to +70°C (-40° to +158°F)

Approvals and Listings

National Electrical Code® (NEC®) OFNP, CSA FT-6

Design and Test Criteria

ICEA S-104-696

Corning Cable Systems recommends storing indoor/outdoor cable in a proper temperature environment prior to installation to allow the cable temperature to meet installation temperature range specifications for best installation results.

Fiber Count	Nominal Cable Weight kg/km (lb/1000 ft)	Nominal Outside Diameter mm (in)	Minimum Bend Radius Loaded cm (in)	Minimum Bend Radius Installed cm (in)	Maximum Tensile Loads Short-Term N (lbf)	Maximum Tensile Loads Long-Term N (lbf)
6	37 (25)	6.2 (0.24)	9.3 (3.7)	6.2 (2.4)	1335 (300)	400 (90)
12	58 (39)	7.3 (0.29)	11.0 (4.3)	7.3 (2.9)	1335 (300)	400 (90)
18	101 (68)	9.6 (0.38)	14.4 (5.7)	9.6 (3.8)	2670 (600)	800 (180)
24	138 (93)	10.9 (0.43)	16.4 (6.5)	10.9 (4.3)	2670 (600)	800 (180)

FREEDM® One Plenum Cables

A LANscape®
Solutions Product

transmission performance |

	LANscape® 62.5 Solutions	LANscape Pretium® 150 Solutions	LANscape Pretium 300 Solutions	LANscape Pretium 550 Solutions	LANscape Pretium 600 Solutions	Single-Mode
Fiber Code	K	T	T	T	T	E
Performance Option Code	30	31	80	90	91	31
Optical Fiber Type (µm)	62.5 Multimode	50 Multimode	50 Multimode	50 Multimode	50 Multimode	Single-mode****
ISO/IEC 11801 Nomenclature	OM1	OM2	OM3***	OM4***	OM4***	OS2
Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1383/1550
Maximum Attenuation (dB/km)	3.4/1.0	2.8/1.0	2.8/1.0	2.8/1.0	2.8/1.0	0.65/0.65/0.50
Minimum Over Filled Launch (OFL) Bandwidth (MHz·km)	200/500	700/500	1500/500	3500/500	3500/500	- / - / -
Minimum Effective Modal Bandwidth (EMB) (MHz·km)	220/-	950/-	2000/-	4700/-	5350/-	- / - / -
Serial 1 Gigabit Ethernet Distance (m)	300/550	750/600	1000/600	1100/600	1100/600	5000 / - / -
Serial 10 Gigabit Ethernet Distance (m)	33/-	150/-	300/-	550*/-	600**/-	10000/ - /40000

* Assumes 1.0 dB maximum total connector/splice loss.

** Assumes 0.7 dB maximum total connector/splice loss.

*** Meets 0.75 ns optical skew when used in all Corning Cable Systems Plug & Play® Systems solutions.

**** ITU 652.D compliant.

Notes:

1) Improved attenuation and bandwidth options available.

2) Bend-insensitive single-mode fibers available on request.

3) Contact a Corning Cable Systems Customer Service Representative for additional information.

4) 50 µm multimode fiber macrobend loss ≤ 0.2 dB at 850 nm for two turns around 7.5 mm radius mandrel.

FREEDM® One Plenum Cables

A LANscape®
Solutions Product

ordering information | Contact Customer Service at 800-743-2671 for other options.

<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	8	P	-	3	1	1	<input type="checkbox"/>	<input type="checkbox"/>	-	2	9
1	2	3	4	5	6		7	8	9	10	11	12	13	14

|1-3

Select fiber count.
Standard offerings:
006 012 018 024

|4

Select fiber code
(see Transmission
Performance table).

|5 / 12

Defines cable type.
8 / - = FREEDM® One Cable

|6

Defines outer jacket.
P = Indoor/outdoor plenum

|7

Defines fiber placement.
3 = Standard for FREEDM
One Plenum Cable

|8

Defines length markings.
1 = Markings in feet
(standard) for
single-layer design

|9

Defines tensile strength
(see Specifications).

|10-11

Select performance
option code
(see Transmission
Performance table).

|13-14

Defines special
requirements.
29 = No special requirements

Corning Cable Systems LLC • PO Box 489 • Hickory, NC 28603-0489 USA
800-743-2675 • FAX: 828-901-5973 • International: +1-828-901-5000 • www.corning.com/cablesystems

Corning Cable Systems reserves the right to improve, enhance and modify the features and specifications of Corning Cable Systems products without prior notification. FREEDM, LANscape, Plenum and TBI are registered trademarks of Corning Cable Systems Brands, Inc. Plug & Play is a trademark of Corning Cable Systems Brands, Inc. All other trademarks are the properties of their respective owners. Corning Cable Systems is ISO 9001 certified. © 2007, 2009 Corning Cable Systems. All rights reserved. Published in the USA.
LAN-492-EN / October 2009

**CARSON CITY
CLAIM FORM**

Date: November 8, 2011
Dept: Contracts
No: 110811

Vendor Number	8883 2664874
Name	FRANK LEPORI CONSTRUCTION, INC.
Address	1475 HYMER AVENUE
City, State & Zip	SPARKS, NV 89431

Type or Print Complete Name & Address

Account Number	Description	Amount
	Contract No. 1011-241 Payment #1	
	CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLAR PHOTOVOLTAIC SYSTEM	
505-3702-437-7774	Application and Certificate for work through October 31, 2011	229,604.36
505-0000-206-0506	RETENTION HELD (\$22,960.44)	(22,960.44)
	Contract Amount	\$515,819.99
	Plus Amendments/Change Orders	+6,820.83
	REVISED Contract Amount	\$522,640.82
	Less Previous Payments	-0.00
	Less This Payment	-206,643.92
	REMAINING BALANCE	\$315,996.90
	Total Amount	206,643.92

I HEREBY CERTIFY UNDER PENALTY OF PERJURY that the above claim and the items, amounts and statements as herein set out are true and correct, that no part thereof has been therefore paid, that the amount claimed is justly due.

Karen L. White
Prepared by/claimant

Darren Schulz, Deputy Public Works Director

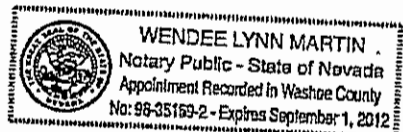
The above claim is approved for payment subject to the availability of funds.

GROUP # & CHECK DATE:

1333 11-18-11

Carson City Id No. 88-6000189

**CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT**

PROJECT INFORMATION Contract No.: 1011-241 Project Title: CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLA Contract Date: 7/21/2011 Payment No.: 1 Period Through: 31-Oct-11			OWNER: City of Carson City Public Works - Contracts Division 3505 Buell Way Carson City, NV 89701 775-887-2355 Fax 775-887-2112		CONTRACTOR: FRANK LEPORI CONSTRUCTION, INC. 1475 HYMER AVENUE SPARKS, NV 89341 FRANK M. LEPORI, PRESIDENT 775-337-2063 PHONE # 775-337-2066 PHONE #		PROJECT MANAGER: TOM GRUNDY, PROJECT MANAGER 3505 Buell Way Carson City, NV 89701 775-887-2355 Fax 775-887-2112																																													
<table style="width:100%;"> <tr> <td style="width:35%;">1 ORIGINAL CONTRACT SUM</td> <td style="width:35%; text-align: right;">\$515,819.99</td> <td style="width:30%;"></td> </tr> <tr> <td>2 NET CHANGES TO CONTRACT AMOUNT</td> <td style="text-align: right;">\$6,820.83</td> <td></td> </tr> <tr> <td>3 ADJUSTED CONTRACT SUM</td> <td style="text-align: right;">\$522,640.82</td> <td></td> </tr> <tr> <td>4 TOTAL COMPLETED TO DATE</td> <td style="text-align: right;">\$229,604.36</td> <td></td> </tr> <tr> <td colspan="3">5 RETAINAGE:</td> </tr> <tr> <td>5.1 10.00% 10% of Total Completed To Date</td> <td style="text-align: right;">\$22,960.44</td> <td></td> </tr> <tr> <td style="text-align: center;">OR</td> <td style="text-align: center;">OR</td> <td></td> </tr> <tr> <td>5.2 5% of Total Completed To Date</td> <td style="text-align: right;">\$0.00</td> <td></td> </tr> <tr> <td>6 TOTAL EARNED LESS RETAINAGE</td> <td style="text-align: right;">\$206,643.92</td> <td></td> </tr> <tr> <td>7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)</td> <td style="text-align: right;">\$0.00</td> <td></td> </tr> <tr> <td>8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)</td> <td style="text-align: right;">\$206,643.92</td> <td></td> </tr> <tr> <td>9 BALANCE TO FINISH, INCLUDING RETAINAGE</td> <td style="text-align: right;">\$309,176.07</td> <td></td> </tr> </table>			1 ORIGINAL CONTRACT SUM	\$515,819.99		2 NET CHANGES TO CONTRACT AMOUNT	\$6,820.83		3 ADJUSTED CONTRACT SUM	\$522,640.82		4 TOTAL COMPLETED TO DATE	\$229,604.36		5 RETAINAGE:			5.1 10.00% 10% of Total Completed To Date	\$22,960.44		OR	OR		5.2 5% of Total Completed To Date	\$0.00		6 TOTAL EARNED LESS RETAINAGE	\$206,643.92		7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$0.00		8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)	\$206,643.92		9 BALANCE TO FINISH, INCLUDING RETAINAGE	\$309,176.07		<p>The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application and Certificate for Payment has been completed in accordance with the Contract Documents; that all amounts have been paid by the Contractor for work for which previous Application and Certificate for Payment were issued and payments received from the Owner; and that the current payment shown herein is now due.</p> <p>By: <u>[Signature]</u> Contractor: FRANK LEPORI CONSTRUCTION, INC. FRANK M. LEPORI, PRESIDENT State of: <u>Nevada</u> County of: <u>Washoe</u> Subscribed and sworn to before me this <u>8th</u> day of <u>November</u>, 2011. Notary Public: <u>Wendee Lynn Martin</u> My Commission Expires: <u>9/1/12</u></p> <div style="text-align: center;">  Notary Stamp </div>													
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AMOUNT CERTIFIED (CURRENT PAYMENT DUE):			\$206,643.92																																																	
By: <u>[Signature]</u> TOM GRUNDY, PROJECT MANAGER			Date: <u>11-8-11</u>																																																	
<p>This Certificate is not negotiable. The AMOUNT CERTIFIED as the current payment due is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.</p>																																																				

CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT
CONTINUATION SHEET

Contract No.: 1011-241
Project Title: CARSON CITY CORPORATE YARD

A	B	C	D	E	F	G	H	I	J	K
ITEM NO.	DESCRIPTION OF WORK (from Bid Document)	QUANTITIES			UNIT (from) (bid doc)	UNIT PRICE (from) (bid doc)	EXTENDED COSTS			
		Scheduled Value (from) (bid doc)	From Previous Application	Work Placed This Period			Scheduled Value C x G =	From Previous Application D x G =	TOTAL This Period E x G =	TOTAL TO DATE J + K =
1	Mobilization, Demobilization and Clean-up	1.00	0.00	0.57	LS	\$43,857.41	43,857.41	0.00	24,998.72	24,998.72
2	Excavation, Patch Work	1.00	0.00	1.00	LS	\$33,825.75	33,825.75	0.00	33,825.75	33,825.75
3	Concrete, Foundation, Structural Work	1.00	0.00	0.90	LS	\$51,372.03	51,372.03	0.00	46,234.83	46,234.83
4	Pre-Fabricated Metal Building	1.00	0.00	0.60	LS	\$196,207.05	196,207.05	0.00	117,724.23	117,724.23
5	205 Watt Solar PV Panels	176.00	0.00		EA	\$490.94	86,405.44	0.00	0.00	0.00
6	30 KW Inverter	1.00	0.00		EA	\$20,466.79	20,466.79	0.00	0.00	0.00
7	Racking System	1.00	0.00		LS	\$25,197.97	25,197.97	0.00	0.00	0.00
8	Data Acquisition System	1.00	0.00		LS	\$9,125.22	9,125.22	0.00	0.00	0.00
9	Shaded Inverter Enclosure & Bollards	1.00	0.00		LS	\$10,359.97	10,359.97	0.00	0.00	0.00
10	Interior Lighting Fixtures	30.00	0.00		EA	\$229.74	6,892.20	0.00	0.00	0.00
11	Exterior Induction Lighting Fixtures	5.00	0.00		EA	\$1,223.48	6,117.40	0.00	0.00	0.00
12	Exterior Wallpack Lighting Fixtures	11.00	0.00		EA	\$103.71	1,140.81	0.00	0.00	0.00
13	Electrical Outlets & Boxes	13.00	0.00		EA	\$45.49	591.37	0.00	0.00	0.00
14	Electrical Conduit and Wiring	1.00	0.00		LS	\$17,216.87	17,216.87	0.00	0.00	0.00
15	Balance of System	1.00	0.00		LS	\$5,606.67	5,606.67	0.00	0.00	0.00
16	Inverter Extended Warranty of 20 years	1.00	0.00		LS	\$ 1,437.04	1,437.04	0.00	0.00	0.00
17		0.00	0.00				0.00	0.00	0.00	0.00
18		0.00	0.00				0.00	0.00	0.00	0.00
19		0.00	0.00				0.00	0.00	0.00	0.00
20		0.00	0.00				0.00	0.00	0.00	0.00
21		0.00	0.00				0.00	0.00	0.00	0.00
22		0.00	0.00				0.00	0.00	0.00	0.00
23		0.00	0.00				0.00	0.00	0.00	0.00
24		0.00	0.00				0.00	0.00	0.00	0.00
25		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		515,819.99	0.00	222,783.53	222,783.53
26	CHANGE ORDER #1	1.00	0.00	1.00	LS	6,820.83	6,820.83	0.00	6,820.83	6,820.83
27		0.00	0.00				0.00	0.00	0.00	0.00
28		0.00	0.00				0.00	0.00	0.00	0.00
29		0.00	0.00				0.00	0.00	0.00	0.00
30		0.00	0.00				0.00	0.00	0.00	0.00
31		0.00	0.00				0.00	0.00	0.00	0.00
32		0.00	0.00				0.00	0.00	0.00	0.00
33		0.00	0.00				0.00	0.00	0.00	0.00
34		0.00	0.00				0.00	0.00	0.00	0.00
35		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		522,640.82	0.00	229,604.36	229,604.36

CARSON CITY
CLAIM FORM

Date: December 13, 2011
Dept: Contracts
No: 121311

Vendor Number	2664874
Name	FRANK LEPORI CONSTRUCTION, INC.
Address	1475 HYMER AVENUE
City, State & Zip	SPARKS, NV 89431

Type or Print Complete Name & Address

Account Number	Description	Amount
	Contract No. 1011-241 Payment #2	
	CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLAR PHOTOVOLTAIC SYSTEM	
505-3702-437-7774	Application and Certificate for work through November 30, 2011	135,979.34
505-0000-206-0506	RETENTION HELD (\$36,558.37)	(13,597.93)
	Contract Amount	\$515,819.99
	Plus Amendments/Change Orders	+9,568.32
	REVISED Contract Amount	\$525,388.31
	Less Previous Payments	-206,643.92
	Less This Payment	-122,381.41
	REMAINING BALANCE	\$196,362.98
	Total Amount	122,381.41

I HEREBY CERTIFY UNDER PENALTY OF PERJURY that the above claim and the items, amounts and statements as herein set out are true and correct, that no part thereof has been therefore paid, that the amount claimed is justly due.

Karen L. White
Prepared by/claimant

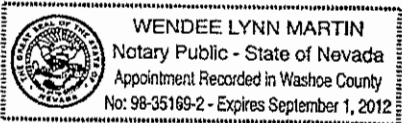
[Signature] 12/14/11
Darren Schulz, Deputy Public Works Director

The above claim is approved for payment subject to the availability of funds.

GROUP # & CHECK DATE:

1683 12-23-11

Carson City Id No. 88-6000189

CARSON CITY CONTRACTS																											
APPLICATION AND CERTIFICATE FOR PAYMENT		APPLICATION AND CERTIFICATE FOR PAYMENT																									
PROJECT INFORMATION		OWNER:	CONTRACTOR:																								
Contract No.: 1011-241		City of Carson City	FRANK LEPORI CONSTRUCTION, INC.																								
Project Title: CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLA		Public Works - Contracts Division	1475 HYMER AVENUE																								
Contract Date: 7/21/2011		3505 Butti Way	SPARKS, NV 89341																								
Payment No.: 2		Carson City, NV 89701	FRANK M. LEPORI, PRESIDENT																								
Period Through: 30-Nov-11		775-887-2355 Fax 775-887-2112	775-337-2063 PHONE # 775-337-2066 PHONE #																								
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	ADDITIONS	DEDUCTIONS	In accordance with the Contract Documents, based on on-site observations and the data comprising this application; the Project Manager certifies to the Owner that to the best of the Project Manager's knowledge, information, and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the amount certified as the current payment due.																								
1 BOS approved Contingency	\$ 51,582.00		AMOUNT CERTIFIED (CURRENT PAYMENT DUE):																								
2 Change Orders		\$9,568.32	\$122,381.41																								
3 TOTAL OF CHANGE ORDER	\$9,568.32	\$0.00	By: <u>Tom Grundy</u> Date: <u>12-14-11</u>																								
4 Contingency Balance	\$ 42,013.68		TOM GRUNDY, PROJECT MANAGER																								
OVER/UNDER OF BID ITEMS																											
Bid Items Over Run		\$0.00																									
Bid Items Under Run		-\$159,804.61																									
TOTAL	-\$159,804.61		This Certificate is not negotiable. The AMOUNT CERTIFIED as the current payment due is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.																								

CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT
CONTINUATION SHEET

Contract No.: 1011-241
Project Title: CARSON CITY CORPORATE YARD

A	B	C	D	E	F	G	H	I	J	K
ITEM NO.	DESCRIPTION OF WORK (from Bid Document)	QUANTITIES			UNIT (from (bid doc)	UNIT PRICE (from (bid doc)	EXTENDED COSTS			
		Scheduled Value (from (bid doc)	From Previous Application	Work Placed This Period			Scheduled Value C x G =	From Previous Application D x G =	TOTAL This Period E x G =	TOTAL TO DATE J + K =
1	Mobilization, Demobilization and Clean-up	1.00	0.57	0.015	LS	\$43,857.41	43,857.41	24,998.72	657.86	25,656.58
2	Excavation, Patch Work	1.00	1.00		LS	\$33,825.75	33,825.75	33,825.75	0.00	33,825.75
3	Concrete, Foundation, Structural Work	1.00	0.90	0.10	LS	\$51,372.03	51,372.03	46,234.83	5,137.20	51,372.03
4	Pre-Fabricated Metal Building	1.00	0.60	0.13	LS	\$196,207.05	196,207.05	117,724.23	25,506.92	143,231.15
5	205 Watt Solar PV Panels	176.00	0.00	140.00	EA	\$490.94	86,405.44	0.00	68,731.60	68,731.60
6	30 KW Inverter	1.00	0.00	0.73	EA	\$20,466.79	20,466.79	0.00	14,940.76	14,940.76
7	Racking System	1.00	0.00	0.63	LS	\$25,197.97	25,197.97	0.00	15,874.72	15,874.72
8	Data Acquisition System	1.00	0.00		LS	\$9,125.22	9,125.22	0.00	0.00	0.00
9	Shaded Inverter Enclosure & Bollards	1.00	0.00	0.23	LS	\$10,359.97	10,359.97	0.00	2,382.79	2,382.79
10	Interior Lighting Fixtures	30.00	0.00		EA	\$229.74	6,892.20	0.00	0.00	0.00
11	Exterior Induction Lighting Fixtures	5.00	0.00		EA	\$1,223.48	6,117.40	0.00	0.00	0.00
12	Exterior Wallpack Lighting Fixtures	11.00	0.00		EA	\$103.71	1,140.81	0.00	0.00	0.00
13	Electrical Outlets & Boxes	13.00	0.00		EA	\$45.49	591.37	0.00	0.00	0.00
14	Electrical Conduit and Wiring	1.00	0.00		LS	\$17,216.87	17,216.87	0.00	0.00	0.00
15	Balance of System	1.00	0.00		LS	\$5,606.67	5,606.67	0.00	0.00	0.00
16	Inverter Extended Warranty of 20 years	1.00	0.00		LS	\$ 1,437.04	1,437.04	0.00	0.00	0.00
17		0.00	0.00				0.00	0.00	0.00	0.00
18		0.00	0.00				0.00	0.00	0.00	0.00
19		0.00	0.00				0.00	0.00	0.00	0.00
20		0.00	0.00				0.00	0.00	0.00	0.00
21		0.00	0.00				0.00	0.00	0.00	0.00
22		0.00	0.00				0.00	0.00	0.00	0.00
23		0.00	0.00				0.00	0.00	0.00	0.00
24		0.00	0.00				0.00	0.00	0.00	0.00
25		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		515,819.99	222,783.53	133,231.85	356,015.38
26	CHANGE ORDER #1	1.00	1.00		LS	6,820.83	6,820.83	6,820.83	0.00	6,820.83
27	CHANGE ORDER #2	1.00	0.00	1.00	LS	2,747.49	2,747.49	0.00	2,747.49	2,747.49
28		0.00	0.00				0.00	0.00	0.00	0.00
29		0.00	0.00				0.00	0.00	0.00	0.00
30		0.00	0.00				0.00	0.00	0.00	0.00
31		0.00	0.00				0.00	0.00	0.00	0.00
32		0.00	0.00				0.00	0.00	0.00	0.00
33		0.00	0.00				0.00	0.00	0.00	0.00
34		0.00	0.00				0.00	0.00	0.00	0.00
35		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		525,388.31	229,604.36	135,979.34	365,583.70

CARSON CITY
CLAIM FORM

Date: December 29, 2011
Dept: Contracts
No: 122911

Vendor Number	2664874
Name	FRANK LEPORI CONSTRUCTION, INC.
Address	1475 HYMER AVENUE
City, State & Zip	SPARKS, NV 89431

Type or Print Complete Name & Address

Account Number	Description	Amount
	Contract No. 1011-241 Payment #3	
	CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLAR PHOTOVOLTAIC SYSTEM	
505-3702-437-7774	Application and Certificate for work through December 23, 2011	105,328.16
505-0000-206-0506	RETENTION HELD (\$47,091.19)	(10,532.81)
Vendor No.		
Account		
Address		
City		
State		
Zip		
	Contract Amount	\$515,819.99
	Plus Amendments/Change Orders	+15,721.32
	REVISED Contract Amount	\$531,541.31
	Less Previous Payments	-329,025.33
505-3702-437-7774	Less This Payment	-94,795.35
505-0000-206-0506	REMAINING BALANCE	\$107,720.63
	Total Amount	94,795.35

I HEREBY CERTIFY UNDER PENALTY OF PERJURY that the above claim and the items, amounts and statements as herein set out are true and correct, that no part thereof has been therefore paid, that the amount claimed is justly due.

Karen L. White
Prepared by/claimant

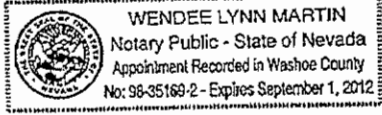
Darren Schulz, Deputy Public Works Director

The above claim is approved for payment subject to the availability of funds.

GROUP # & CHECK DATE:

1881 12 1-13-12

Carson City Id No. 88-6000189

PROJECT INFORMATION		OWNER:		CONTRACTOR:		PROJECT MANAGER:																												
Contract No.: 1013-2411		City of Carson City		FRANK LEPORI CONSTRUCTION, INC.		TOM GRUNDY, PROJECT MANAGER																												
Project Title: CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLA		Public Works - Contracts Division		1475 HYMER AVENUE		3505 Buiss Way																												
Contract Date: 7/21/2011		3505 Buiss Way		SPARKS, NV 89341		Carson City, NV 89701																												
Payment No.: 3		Carson City, NV 89701		FRANK M. LEPORI, PRESIDENT																														
Period Through: 23-Dec-11		775-887-2355 Fax 775-887-2112		775-337-2063 PHONE # 775-337-2068 PHONE #		775-887-2355 Fax 775-887-2112																												
1 ORIGINAL CONTRACT SUM		\$515,819.99		<p>The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application and Certificate for Payment has been completed in accordance with the Contract Documents; that all amounts have been paid by the Contractor for work for which previous Application and Certificate for Payment were issued and payments received from the owner; and that the current payment shown herein is now due.</p> <p>By: <u>[Signature]</u> Contractor: FRANK LEPORI CONSTRUCTION, INC. FRANK M. LEPORI, PRESIDENT State of: <u>Nevada</u> County of: <u>Washoe</u> Subscribed and sworn to before me this <u>29th</u> day of <u>December</u>, 2011. Notary Public: <u>[Signature]</u> My Commission Expires: <u>9/1/2012</u></p> <p>Notary Stamp </p>																														
2 NET CHANGES TO CONTRACT AMOUNT		\$15,721.32																																
3 ADJUSTED CONTRACT SUM		\$531,541.31																																
4 TOTAL COMPLETED TO DATE		\$470,911.86																																
5 RETAINAGE:																																		
5.1 10.00% 10% of Total Completed To Date		\$47,091.19																																
OR		OR																																
5.2 5% of Total Completed To Date		\$0.00																																
6 TOTAL EARNED LESS RETAINAGE		\$423,820.68																																
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)		\$329,025.33																																
8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)		\$94,795.35																																
9 BALANCE TO FINISH, INCLUDING RETAINAGE		\$107,720.63																																
<p>PROJECT MANAGER CERTIFICATE FOR PAYMENT</p> <p>In accordance with the Contract Documents, based on on-site observations and the data comprising this application; the Project Manager certifies to the Owner that to the best of the Project Manager's knowledge, information, and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the amount certified as the current payment due.</p>				<p>AMOUNT CERTIFIED (CURRENT PAYMENT DUE): \$94,795.35</p> <p>By: <u>[Signature]</u> Date: <u>12-29-11</u> TOM GRUNDY, PROJECT MANAGER</p>																														
<p>CONTINGENCY SUMMARY</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>ADDITIONS</th> <th>DEDUCTIONS</th> </tr> </thead> <tbody> <tr> <td>1 BOS approved Contingency</td> <td>\$ 51,582.00</td> <td></td> </tr> <tr> <td>2 Change Orders</td> <td>\$15,721.32</td> <td>\$0.00</td> </tr> <tr> <td>3 TOTAL OF CHANGE ORDER</td> <td>\$15,721.32</td> <td></td> </tr> <tr> <td>4 Contingency Balance</td> <td>\$ 35,860.68</td> <td></td> </tr> <tr> <td colspan="3">OVER/UNDER OF BID ITEMS</td> </tr> <tr> <td>Bid Items Over Run</td> <td></td> <td>\$0.00</td> </tr> <tr> <td>Bid Items Under Run</td> <td></td> <td>-\$60,629.45</td> </tr> <tr> <td>TOTAL</td> <td>-\$60,629.45</td> <td></td> </tr> </tbody> </table>					ADDITIONS	DEDUCTIONS	1 BOS approved Contingency	\$ 51,582.00		2 Change Orders	\$15,721.32	\$0.00	3 TOTAL OF CHANGE ORDER	\$15,721.32		4 Contingency Balance	\$ 35,860.68		OVER/UNDER OF BID ITEMS			Bid Items Over Run		\$0.00	Bid Items Under Run		-\$60,629.45	TOTAL	-\$60,629.45		<p>This Certificate is not negotiable. The AMOUNT CERTIFIED as the current payment due is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.</p>			
	ADDITIONS	DEDUCTIONS																																
1 BOS approved Contingency	\$ 51,582.00																																	
2 Change Orders	\$15,721.32	\$0.00																																
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Bid Items Under Run		-\$60,629.45																																
TOTAL	-\$60,629.45																																	

CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT
CONTINUATION SHEET

Contract No.: 1011-241
Project Title: CARSON CITY CORPORATE YARD

A	B	C	D	E	F	G	H	I	J	K
ITEM NO.	DESCRIPTION OF WORK (from Bid Document)	QUANTITIES			UNIT (from) (bid doc)	UNIT PRICE (from) (bid doc)	EXTENDED COSTS			
		Scheduled Value (from) (bid doc)	From Previous Application	Work Placed This Period			Scheduled Value C x G =	From Previous Application D x G =	TOTAL This Period E x G =	TOTAL TO DATE J + K =
1	Mobilization, Demobilization and Clean-up	1.00	0.585	0.190	LS	\$43,857.41	43,857.41	25,656.58	8,332.91	33,989.49
2	Excavation, Patch Work	1.00	1.00		LS	\$33,825.75	33,825.75	33,825.75	0.00	33,825.75
3	Concrete, Foundation, Structural Work	1.00	1.00		LS	\$51,372.03	51,372.03	51,372.03	0.00	51,372.03
4	Pre-Fabricated Metal Building	1.00	0.73	0.15	LS	\$196,207.05	196,207.05	143,231.15	29,431.06	172,662.20
5	205 Watt Solar PV Panels	176.00	140.00	28.00	EA	\$490.94	86,405.44	68,731.60	13,746.32	82,477.92
6	30 KW Inverter	1.00	0.73	0.23	EA	\$20,466.79	20,466.79	14,940.76	4,707.36	19,648.12
7	Racking System	1.00	0.63	0.32	LS	\$25,197.97	25,197.97	15,874.72	8,063.35	23,938.07
8	Data Acquisition System	1.00	0.00		LS	\$9,125.22	9,125.22	0.00	0.00	0.00
9	Shaded Inverter Enclosure & Bollards	1.00	0.23		LS	\$10,359.97	10,359.97	2,382.79	0.00	2,382.79
10	Interior Lighting Fixtures	30.00	0.00	29.00	EA	\$229.74	6,892.20	0.00	6,662.46	6,662.46
11	Exterior Induction Lighting Fixtures	5.00	0.00	4.00	EA	\$1,223.48	6,117.40	0.00	4,893.92	4,893.92
12	Exterior Wallpack Lighting Fixtures	11.00	0.00	11.00	EA	\$103.71	1,140.81	0.00	1,140.81	1,140.81
13	Electrical Outlets & Boxes	13.00	0.00	13.00	EA	\$45.49	591.37	0.00	591.37	591.37
14	Electrical Conduit and Wiring	1.00	0.00	0.95	LS	\$17,216.87	17,216.87	0.00	16,356.03	16,356.03
15	Balance of System	1.00	0.00	0.68	LS	\$5,606.67	5,606.67	0.00	3,812.54	3,812.54
16	Inverter Extended Warranty of 20 years	1.00	0.00	1.00	LS	\$ 1,437.04	1,437.04	0.00	1,437.04	1,437.04
17		0.00	0.00				0.00	0.00	0.00	0.00
18		0.00	0.00				0.00	0.00	0.00	0.00
19		0.00	0.00				0.00	0.00	0.00	0.00
20		0.00	0.00				0.00	0.00	0.00	0.00
21		0.00	0.00				0.00	0.00	0.00	0.00
22		0.00	0.00				0.00	0.00	0.00	0.00
23		0.00	0.00				0.00	0.00	0.00	0.00
24		0.00	0.00				0.00	0.00	0.00	0.00
25		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		515,819.99	356,015.38	99,175.16	455,190.54
26	CHANGE ORDER #1	1.00	1.00		LS	6,820.83	6,820.83	6,820.83	0.00	6,820.83
27	CHANGE ORDER #2	1.00	1.00		LS	2,747.49	2,747.49	2,747.49	0.00	2,747.49
28	CHANGE ORDER #3	1.00	0.00	1.00	LS	6,153.00	6,153.00	0.00	6,153.00	6,153.00
29		0.00	0.00				0.00	0.00	0.00	0.00
30		0.00	0.00				0.00	0.00	0.00	0.00
31		0.00	0.00				0.00	0.00	0.00	0.00
32		0.00	0.00				0.00	0.00	0.00	0.00
33		0.00	0.00				0.00	0.00	0.00	0.00
34		0.00	0.00				0.00	0.00	0.00	0.00
35		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		531,541.31	365,583.70	105,328.16	470,911.86

CARSON CITY
CLAIM FORM

Date: March 2, 2012
Dept: Contracts
No: 030212

Vendor Number	2664874
Name	FRANK LEPORI CONSTRUCTION, INC.
Address	1475 HYMER AVENUE
City, State & Zip	SPARKS, NV 89431

Type or Print Complete Name & Address

Account Number	Description	Amount
	Contract No. 1011-241 Payment #4	
	CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLAR PHOTOVOLTAIC SYSTEM	
505-3702-437-7774	Application and Certificate for work through February 28, 2012	60,629.45
505-0000-206-0506	RETENTION HELD (\$53,154.13)	(6,062.95)
	Contract Amount	\$515,819.99
	Plus Amendments/Change Orders	+15,721.32
	REVISED Contract Amount	\$531,541.31
	Less Previous Payments	-423,820.68
	Less This Payment	-54,566.50
	REMAINING BALANCE	\$54,154.13
	Total Amount	54,566.50

I HEREBY CERTIFY UNDER PENALTY OF PERJURY that the above claim and the items, amounts and statements as herein set out are true and correct, that no part thereof has been therefore paid, that the amount claimed is justly due.

Karen L. White
Prepared by/claimant

Darren Schulz, Deputy Public Works Director

The above claim is approved for payment subject to the availability of funds.

GROUP # & CHECK DATE:

2561 3-16-12

Carson City Id No. 88-6000189

**CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT**

PROJECT INFORMATION

Contract No.: 1011-241
Project Title: CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLA
Contract Date: 7/21/2011
Payment No.: 4
Period Through: 28-Feb-12

OWNER:

City of Carson City
Public Works - Contracts Division
3505 Butte Way
Carson City, NV 89701
775-887-2355 Fax 775-887-2112

CONTRACTOR:

FRANK LEPORI CONSTRUCTION, INC.
1475 HYMER AVENUE
SPARKS, NV 89341
FRANK M. LEPORI, PRESIDENT
775-337-2083 PHONE # 775-337-2086 PHONE #

PROJECT MANAGER:

TOM GRUNDY, PROJECT MANAGER
3505 Butte Way
Carson City, NV 89701

775-887-2355 Fax 775-887-2112

1 ORIGINAL CONTRACT SUM	\$515,819.99
2 NET CHANGES TO CONTRACT AMOUNT	\$15,721.32
3 ADJUSTED CONTRACT SUM	\$531,541.31
4 TOTAL COMPLETED TO DATE	\$531,541.31
5 RETAINAGE:	
5.1 10.00% 10% of Total Completed To Date	\$53,154.13
OR	OR
5.2 5% of Total Completed To Date	\$0.00
6 TOTAL EARNED LESS RETAINAGE	\$478,387.18
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$423,820.68
8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)	\$54,566.50
9 BALANCE TO FINISH, INCLUDING RETAINAGE	\$53,154.13

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application and Certificate for Payment has been completed in accordance with the Contract Documents; that all amounts have been paid by the Contractor for work for which previous Application and Certificate for Payment were issued and payments received from the owner; and that the current payment shown herein is now due.

By:

Contractor: Frank Lepori
FRANK M. LEPORI, PRESIDENT

State of:

County of:

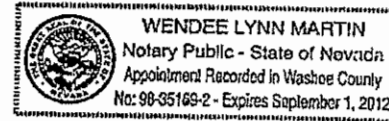
Subscribed and sworn to before me this 2nd day of March, 2012.

Notary Public:

Wendee Lynn Martin
My Commission Expires:

Sept 1, 2012

Notary Stamp



PROJECT MANAGER CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application; the Project Manager certifies to the Owner that to the best of the Project Manager's knowledge, information, and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the amount certified as the current payment due.

CONTINGENCY SUMMARY

ADDITIONS DEDUCTIONS

1 BOS approved Contingency	\$	51,582.00		
2 Change Orders			\$15,721.32	\$0.00
3 TOTAL OF CHANGE ORDER		\$15,721.32		
4 Contingency Balance	\$	35,860.68		

OVER/UNDER OF BID ITEMS

Bid Items Over Run	\$0.00
Bid Items Under Run	\$0.00

TOTAL \$0.00

AMOUNT CERTIFIED (CURRENT PAYMENT DUE): \$54,566.50

By:

Tom Grundy
TOM GRUNDY, PROJECT MANAGER

Date: 3-2-12

This Certificate is not negotiable. The AMOUNT CERTIFIED as the current payment due is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT
CONTINUATION SHEET

Contract No.: 1011-241
Project Title: CARSON CITY CORPORATE YARD

A	B	C	D	E	F	G	H	I	J	K
ITEM NO.	DESCRIPTION OF WORK (from Bid Document)	QUANTITIES			UNIT (from) (bid doc)	UNIT PRICE (from) (bid doc)	EXTENDED COSTS			
		Scheduled Value (from) (bid doc)	From Previous Application	Work Placed This Period			Scheduled Value C x G =	From Previous Application D x G =	TOTAL This Period E x G =	TOTAL TO DATE J + K =
1	Mobilization, Demobilization and Clean-up	1.00	0.775	0.225	LS	\$43,857.41	43,857.41	33,989.49	9,867.92	43,857.41
2	Excavation, Patch Work	1.00	1.00		LS	\$33,825.75	33,825.75	33,825.75	0.00	33,825.75
3	Concrete, Foundation, Structural Work	1.00	1.00		LS	\$51,372.03	51,372.03	51,372.03	0.00	51,372.03
4	Pre-Fabricated Metal Building	1.00	0.88	0.12	LS	\$196,207.05	196,207.05	172,662.20	23,544.85	196,207.05
5	205 Watt Solar PV Panels	176.00	168.00	8.00	EA	\$490.94	86,405.44	82,477.92	3,927.52	86,405.44
6	30 KW Inverter	1.00	0.96	0.04	EA	\$20,466.79	20,466.79	19,648.12	818.67	20,466.79
7	Racking System	1.00	0.95	0.05	LS	\$25,197.97	25,197.97	23,938.07	1,259.90	25,197.97
8	Data Acquisition System	1.00	0.00	1.00	LS	\$9,125.22	9,125.22	0.00	9,125.22	9,125.22
9	Shaded Inverter Enclosure & Bollards	1.00	0.23	0.77	LS	\$10,359.97	10,359.97	2,382.79	7,977.18	10,359.97
10	Interior Lighting Fixtures	30.00	29.00	1.00	EA	\$229.74	6,892.20	6,662.46	229.74	6,892.20
11	Exterior Induction Lighting Fixtures	5.00	4.00	1.00	EA	\$1,223.48	6,117.40	4,893.92	1,223.48	6,117.40
12	Exterior Wallpack Lighting Fixtures	11.00	11.00		EA	\$103.71	1,140.81	1,140.81	0.00	1,140.81
13	Electrical Outlets & Boxes	13.00	13.00		EA	\$45.49	591.37	591.37	0.00	591.37
14	Electrical Conduit and Wiring	1.00	0.95	0.05	LS	\$17,216.87	17,216.87	16,356.03	860.84	17,216.87
15	Balance of System	1.00	0.68	0.32	LS	\$5,606.67	5,606.67	3,812.54	1,794.13	5,606.67
16	Inverter Extended Warranty of 20 years	1.00	1.00		LS	\$ 1,437.04	1,437.04	1,437.04	0.00	1,437.04
17		0.00	0.00				0.00	0.00	0.00	0.00
18		0.00	0.00				0.00	0.00	0.00	0.00
19		0.00	0.00				0.00	0.00	0.00	0.00
20		0.00	0.00				0.00	0.00	0.00	0.00
21		0.00	0.00				0.00	0.00	0.00	0.00
22		0.00	0.00				0.00	0.00	0.00	0.00
23		0.00	0.00				0.00	0.00	0.00	0.00
24		0.00	0.00				0.00	0.00	0.00	0.00
25		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		515,819.99	455,190.54	60,629.45	515,819.99
26	CHANGE ORDER #1	1.00	1.00		LS	6,820.83	6,820.83	6,820.83	0.00	6,820.83
27	CHANGE ORDER #2	1.00	1.00		LS	2,747.49	2,747.49	2,747.49	0.00	2,747.49
28	CHANGE ORDER #3	1.00	1.00		LS	6,153.00	6,153.00	6,153.00	0.00	6,153.00
29		0.00	0.00				0.00	0.00	0.00	0.00
30		0.00	0.00				0.00	0.00	0.00	0.00
31		0.00	0.00				0.00	0.00	0.00	0.00
32		0.00	0.00				0.00	0.00	0.00	0.00
33		0.00	0.00				0.00	0.00	0.00	0.00
34		0.00	0.00				0.00	0.00	0.00	0.00
35		0.00	0.00				0.00	0.00	0.00	0.00
					TOTALS		531,541.31	470,911.86	60,629.45	531,541.31

CARSON CITY
CLAIM FORM

Date: March 29, 2012
Dept: Contracts
No: 032912

Vendor Number	2664874
Name	FRANK LEPORI CONSTRUCTION, INC.
Address	1475 HYMER AVENUE
City, State & Zip	SPARKS, NV 89431

Type or Print Complete Name & Address

Account Number	Description	Amount
	Contract No. 1011-241 Release of Retention	
	CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLAR PHOTOVOLTAIC SYSTEM	
505-3702-437-7774	Application and Certificate for work through May 3, 2012	
505-0000-206-0506	RETENTION HELD (\$0.00)	53,154.13
	Contract Amount	\$515,819.99
	Plus Amendments/Change Orders	+15,721.32
	REVISED Contract Amount	\$531,541.31
	Less Previous Payments	-478,387.18
	Less This Payment	-53,154.13
	REMAINING BALANCE	\$0.00
	Total Amount	53,154.13

I HEREBY CERTIFY UNDER PENALTY OF PERJURY that the above claim and the items, amounts and statements as herein set out are true and correct, that no part thereof has been therefore paid, that the amount claimed is justly due.

Karen L. White
Prepared by/claimant

Darren Schulz, Deputy Public Works Director

The above claim is approved for payment subject to the availability of funds.

GROUP # & CHECK DATE:

Carson City Id No. 88-6000189

**CARSON CITY CONTRACTS
APPLICATION AND CERTIFICATE FOR PAYMENT**

PROJECT INFORMATION Contract No.: 1011-241 Project Title: CARSON CITY CORPORATE YARD SALT/CINDER BUILDING AND SOLA Contract Date: 7/21/2011 Payment No.: 5 Period Through: May 3, 2012 BOS 04/26/12			OWNER: City of Carson City Public Works - Contracts Division 3505 Butti Way Carson City, NV 89701 775-887-2355 Fax 775-887-2112		CONTRACTOR: FRANK LEPORI CONSTRUCTION, INC. 1475 HYMER AVENUE SPARKS, NV 89341 FRANK M. LEPORI, PRESIDENT 775-337-2063 PHONE # 775-337-2066 PHONE #		PROJECT MANAGER: TOM GRUNDY, PROJECT MANAGER 3505 Butti Way Carson City, NV 89701 775-887-2355 Fax 775-887-2112	
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<table style="width: 100%;"> <tr> <td style="width: 60%;">1 ORIGINAL CONTRACT SUM</td> <td style="width: 40%; text-align: right;">\$515,819.99</td> </tr> <tr> <td>2 NET CHANGES TO CONTRACT AMOUNT</td> <td style="text-align: right;">\$15,721.32</td> </tr> <tr> <td>3 ADJUSTED CONTRACT SUM</td> <td style="text-align: right;">\$531,541.31</td> </tr> <tr> <td>4 TOTAL COMPLETED TO DATE</td> <td style="text-align: right;">\$531,541.31</td> </tr> <tr> <td colspan="2">5 RETAINAGE:</td> </tr> <tr> <td>5.1 10% of Total Completed To Date</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td style="text-align: center;">OR</td> <td style="text-align: center;">OR</td> </tr> <tr> <td>5.2 5% of Total Completed To Date</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>6 TOTAL EARNED LESS RETAINAGE</td> <td style="text-align: right;">\$531,541.31</td> </tr> <tr> <td>7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)</td> <td style="text-align: right;">\$478,387.18</td> </tr> <tr> <td>8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)</td> <td style="text-align: right;">\$53,154.13</td> </tr> <tr> <td>9 BALANCE TO FINISH, INCLUDING RETAINAGE</td> <td style="text-align: right;">\$0.00</td> </tr> </table>	1 ORIGINAL CONTRACT SUM	\$515,819.99	2 NET CHANGES TO CONTRACT AMOUNT	\$15,721.32	3 ADJUSTED CONTRACT SUM	\$531,541.31	4 TOTAL COMPLETED TO DATE	\$531,541.31	5 RETAINAGE:		5.1 10% of Total Completed To Date	\$0.00	OR	OR	5.2 5% of Total Completed To Date	\$0.00	6 TOTAL EARNED LESS RETAINAGE	\$531,541.31	7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$478,387.18	8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)	\$53,154.13	9 BALANCE TO FINISH, INCLUDING RETAINAGE	\$0.00	<p>The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application and Certificate for Payment has been completed in accordance with the Contract Documents; that all amounts have been paid by the Contractor for work for which previous Application and Certificate for Payment were issued and payments received from the owner; and that the current payment shown herein is now due.</p> <p>By: _____ Contractor: FRANK LEPORI CONSTRUCTION, INC. FRANK M. LEPORI, PRESIDENT</p> <p>State of: _____</p> <p>County of: _____</p> <p>Subscribed and sworn to before me this _____ day of _____, 2012.</p> <p>Notary Public: _____ My Commission Expires: _____</p> <p>Notary Stamp</p>
1 ORIGINAL CONTRACT SUM	\$515,819.99																								
2 NET CHANGES TO CONTRACT AMOUNT	\$15,721.32																								
3 ADJUSTED CONTRACT SUM	\$531,541.31																								
4 TOTAL COMPLETED TO DATE	\$531,541.31																								
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5.1 10% of Total Completed To Date	\$0.00																								
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8 CURRENT PAYMENT DUE (CERTIFIED BY PROJECT MANAGER)	\$53,154.13																								
9 BALANCE TO FINISH, INCLUDING RETAINAGE	\$0.00																								

PROJECT MANAGER CERTIFICATE FOR PAYMENT In accordance with the Contract Documents, based on on-site observations and the data comprising this application; the Project Manager certifies to the Owner that to the best of the Project Manager's knowledge, information, and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the amount certified as the current payment due.				
CONTINGENCY SUMMARY		ADDITIONS	DEDUCTIONS	AMOUNT CERTIFIED (CURRENT PAYMENT DUE): \$53,154.13 By: _____ Date: _____ TOM GRUNDY, PROJECT MANAGER
1 BOS approved Contingency	\$	51,582.00		
2 Change Orders			\$15,721.32	
3 TOTAL OF CHANGE ORDER		15,721.32		
4 Contingency Balance	\$	35,860.68		
OVER/UNDER OF BID ITEMS				
Bid Items Over Run			\$0.00	This Certificate is not negotiable. The AMOUNT CERTIFIED as the current payment due is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.
Bid Items Under Run			\$0.00	
TOTAL		\$0.00		

CARSON CITY CONTRACTS APPLICATION AND CERTIFICATE FOR PAYMENT CONTINUATION SHEET											FOR INTERNAL PURPOSE ONLY	
						Contract No.: 1011-241		Project Title: CARSON CITY CORPORATE YARD				
A	B	C	D	E	F	G	H	I	J	K	L	M
ITEM NO.	DESCRIPTION OF WORK (from Bid Document)	QUANTITIES			UNIT (from) (bid doc)	UNIT PRICE (from) (bid doc)	EXTENDED COSTS				Over Under On Bid Items	Over Under \$ Amount G X H =
		Scheduled Value (from) (bid doc)	From Previous Application	Work Placed This Period			Scheduled Value C x G =	From Previous Application D x G =	TOTAL This Period E x G =	TOTAL TO DATE J + K =		
1	Mobilization, Demobilization and Clean-up	1.00	1.00		LS	\$43,857.41	43,857.41	43,857.41	0.00	43,857.41	0.00	0.00
2	Excavation, Patch Work	1.00	1.00		LS	\$33,825.75	33,825.75	33,825.75	0.00	33,825.75	0.00	0.00
3	Concrete, Foundation, Structural Work	1.00	1.00		LS	\$51,372.03	51,372.03	51,372.03	0.00	51,372.03	0.00	0.00
4	Pre-Fabricated Metal Building	1.00	1.00		LS	\$196,207.05	196,207.05	196,207.05	0.00	196,207.05	0.00	0.00
5	205 Watt Solar PV Panels	176.00	176.00		EA	\$490.94	86,405.44	86,405.44	0.00	86,405.44	0.00	0.00
6	30 KW Inverter	1.00	1.00		EA	\$20,466.79	20,466.79	20,466.79	0.00	20,466.79	0.00	0.00
7	Racking System	1.00	1.00		LS	\$25,197.97	25,197.97	25,197.97	0.00	25,197.97	0.00	0.00
8	Data Acquisition System	1.00	1.00		LS	\$9,125.22	9,125.22	9,125.22	0.00	9,125.22	0.00	0.00
9	Shaded Inverter Enclosure & Bollards	1.00	1.00		LS	\$10,359.97	10,359.97	10,359.97	0.00	10,359.97	0.00	0.00
10	Interior Lighting Fixtures	30.00	30.00		EA	\$229.74	6,892.20	6,892.20	0.00	6,892.20	0.00	0.00
11	Exterior Induction Lighting Fixtures	5.00	5.00		EA	\$1,223.48	6,117.40	6,117.40	0.00	6,117.40	0.00	0.00
12	Exterior Wallpack Lighting Fixtures	11.00	11.00		EA	\$103.71	1,140.81	1,140.81	0.00	1,140.81	0.00	0.00
13	Electrical Outlets & Boxes	13.00	13.00		EA	\$45.49	591.37	591.37	0.00	591.37	0.00	0.00
14	Electrical Conduit and Wiring	1.00	1.00		LS	\$17,216.87	17,216.87	17,216.87	0.00	17,216.87	0.00	0.00
15	Balance of System	1.00	1.00		LS	\$5,606.67	5,606.67	5,606.67	0.00	5,606.67	0.00	0.00
16	Inverter Extended Waranty of 20 years	1.00	1.00		LS	\$ 1,437.04	1,437.04	1,437.04	0.00	1,437.04	0.00	0.00
17		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
18		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
19		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
20		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
21		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
22		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
23		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
24		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
25		0.00	0.00				0.00	0.00	0.00	0.00	0.00	0.00
					TOTALS		515,819.99	515,819.99	0.00	515,819.99		0.00
26	CHANGE ORDER #1	1.00	1.00		LS	6,820.83	6,820.83	6,820.83	0.00	6,820.83		
27	CHANGE ORDER #2	1.00	1.00		LS	2,747.49	2,747.49	2,747.49	0.00	2,747.49		
28	CHANGE ORDER #3	1.00	1.00		LS	6,153.00	6,153.00	6,153.00	0.00	6,153.00		
29		0.00	0.00				0.00	0.00	0.00	0.00		
30		0.00	0.00				0.00	0.00	0.00	0.00		
31		0.00	0.00				0.00	0.00	0.00	0.00		
32		0.00	0.00				0.00	0.00	0.00	0.00		
33		0.00	0.00				0.00	0.00	0.00	0.00		
34		0.00	0.00				0.00	0.00	0.00	0.00		
35		0.00	0.00				0.00	0.00	0.00	0.00		
					TOTALS		531,541.31	531,541.31	0.00	531,541.31		0.00