

**OPEN SPACE ADVISORY COMMITTEE
STAFF REPORT**

MEETING DATE: October 17, 2016

AGENDA ITEM NUMBER: 4A

STAFF: Ann Bollinger, Open Space Administrator

REQUEST: Updates Only: Working groups: 1) Ordinances, 2) Signage Plan, 3) Website, and 4) Cultural Resources

GENERAL DISCUSSION:

At the last meeting of the Open Space Advisory Committee, individual members generously offered to assist staff with much needed tasks. Three groups were formed, as identified above. With his knowledge and experience, staff recruited Jeremy Hall to assist with the development of a Stewardship Program as required by the Bureau of Land Management-Carson City Programmatic Agreement for Cultural Resources. Additionally, staff recruited members from the Parks and Recreation Commission to assist in the department-wide projects, particularly the Signage Plan and Website.

This agenda will provide an opportunity for members to provide updates. Chairman Scott and Member Fitzsimmons have initiated discussions with staff and the District Attorney's (DA) Office regarding the ordinances. Because of the complexity and city-wide need for ordinance updates, the DA's Office has entered into a contract for this specific project. Member Evans will not be present, but she has offered to develop a Request for Qualifications for the hiring of a consultant on the Signage Plan. Attached is an example of a Signage Plan recently completed by Washoe County for the State Route 28 National Scenic Byway and Tahoe Trail. Member Massad has visited several access points to the Prison Hill Recreation Area and East Silver Saddle Ranch and has noted lack of or unreadable signage. Vice-Chair Welch and Member Inversin have been reviewing websites and have provided the attached powerpoint. Member Hall has already jumped into conversations with the State Historic Preservation Office regarding the Stewardship Plan.

RECOMMENDED ACTION: This agenda item is for informational purposes only. No formal action can be taken at this time.

SR 28 National Scenic Byway Corridor Signage Master Plan

June 30, 2016



WOOD ROGERS
DEVELOPING INNOVATIVE DESIGN SOLUTIONS
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Table of Contents

2	Purpose & Intent
3	Section 1: Corridor Identity & Standards
4	Image Research
5	Naming, Branding, and Logos
6	Material Selection & Specifications
7	Section 2: Highway Wayfinding
8	Sign Types & Location
9	SR 28 Gateway Signage
10	Existing Sign Inventory
12	Global Standing Sign Standards
13	Sign Type A: Vehicular Pole-mounted Directional
14	Sign Type B: Vehicular Monumental Directional
15	Sign Type C: Vehicular Monumental Destination
16	Sign Type D: Vehicular Destination Monument
17	Sign Type E: Secondary Roadway / Pedestrian Pole-Mounted Directional
18	Sign Type F: Parking & Alerts
19	Section 3: Bike & Pedestrian Wayfinding & Interpretive Signage
20	Sign Types and Location
21	Sign Type G: Pedestrian Trail Map
22	Sign Type H: Pedestrian Trail Monument
23	Sign Type I: Pedestrian Small Profile Wayfinding
24	Sign Type J: Pedestrian Mile Marker
26	Trail Vista Points
27	Section 4: Alternative & Future Signage
28	Alternative & Future Signs

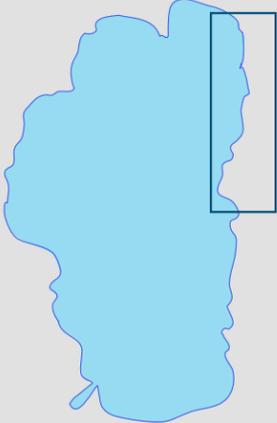


STATE ROUTE 28: PROPERTY OWNERSHIP

SR-28 SIGNAGE PROJECT

-  STATE ROUTE 28
-  SHARED USE PATH
- OWNERSHIP**
-  PRIVATE
-  NEVADA STATE PARKS
-  U.S. FOREST SERVICE

AREA SHOWN IN MAP



Purpose/Intent of the Signage Master Plan

1. Create consistency in wayfinding signage for East Tahoe.
2. Improve Highway Safety by making wayfinding easier for motorists and recreation users in order to avoid unnecessary travel looking for recreational and parking areas.
3. Create a sense of place and unique identity for the SR 28 Corridor.
4. Create interpretive opportunities along the Shared Use Path.
5. Provide clarity to trail users regarding stewardship of resources and trail connectivity.
6. Provide a design manual for easy implementation.

Regulatory Framework

Highway wayfinding signage along State Route 28

1. Signage is controlled by the Nevada Department of Transportation (NDOT) and would need to meet the design criteria identified by the Manual on Uniform Traffic Control Devices (MUTCD) and American Association of State Highway and Transportation Officials (AASHTO).
2. Signage would need to meet Tahoe Regional Planning Agency (TRPA) Standards for Aesthetics

Off-highway and Shared Use Path wayfinding signage outside of State Route 28 right of way

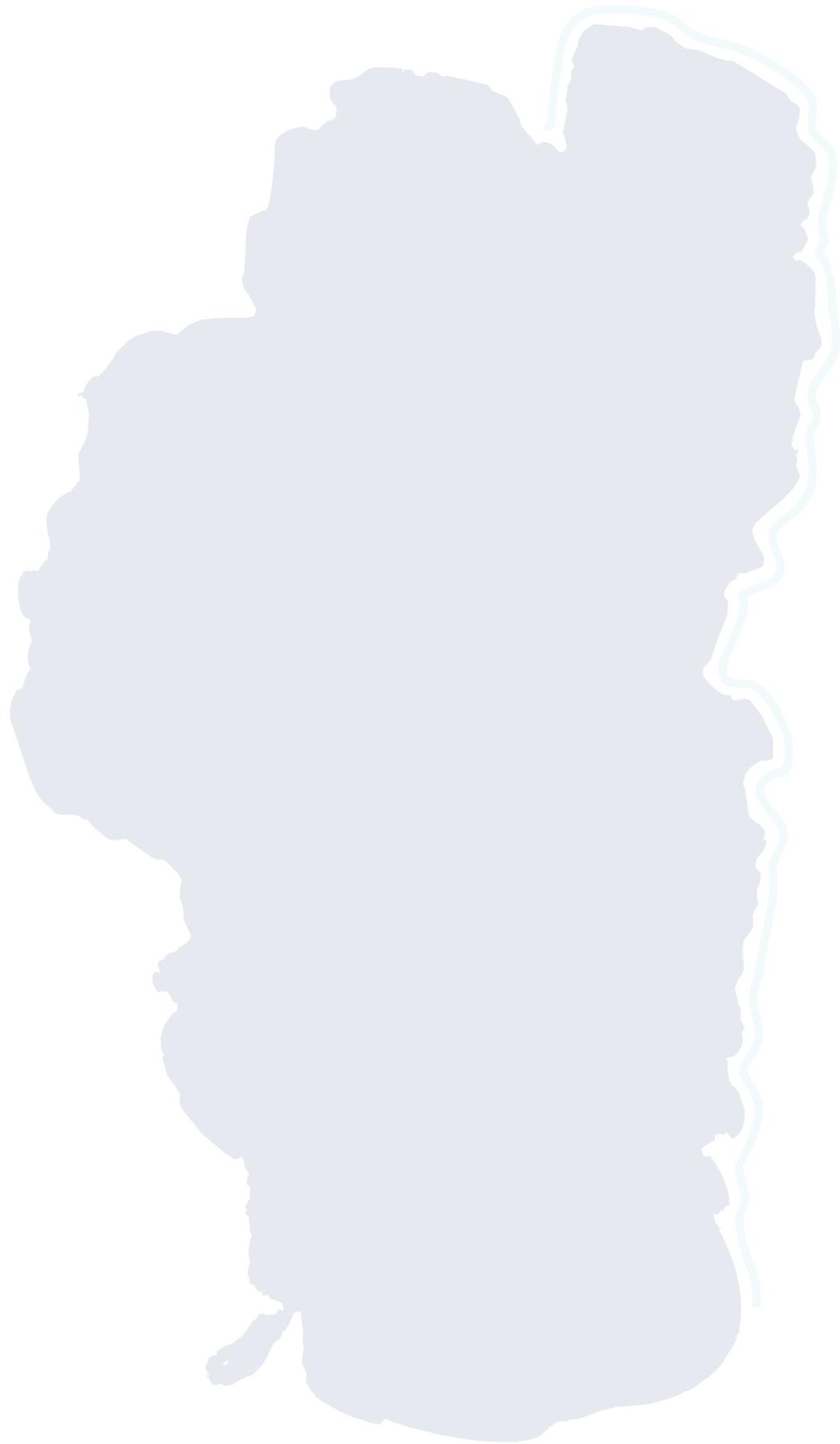
1. Controlled by respective property owners as identified in the Property Ownership Map (USFS, NV State Parks)
2. Coordination with Incline Village General Improvement District (IVGID) for gateway signage located within Incline Village
3. Coordination with the respective county (Washoe County, Carson City, and Douglas County)
4. Signage would need to meet TRPA Standards for Aesthetics

Implementation, Ownership & Maintenance

Multiple agencies have jurisdiction within the SR 28 Corridor. This Signage Master Plan provides consistent signage to meet the requirements of the various agencies; however, the plan does not specify implementation, ownership and maintenance responsibilities. Application for sign permits must be made with each applicable agency depending on location. Financial responsibility for final sign design and engineering, fabrication, installation and ongoing repairs, maintenance, and inspections will be determined with each signage permit application.

Partners

Washoe County • TTD • TRPA • NDOT • NDSP • USFS • IVGID • Douglas County • Carson City • Washoe Tribe • Tunnel Creek Café • Tahoe Fund



SECTION 1: CORRIDOR IDENTITY & STANDARDS

CORRIDOR IDENTITY & STANDARDS

NAMING, BRANDING, AND LOGOS

Naming Standards

Specific naming conventions shall be used at all times

- When referencing the East Shore trail, the official name shall be “Tahoe East Shore Trail.”
- When referencing only the East Shore area, the official name shall be “Tahoe East Shore.”
- When referencing the State Route 28 Scenic Byway, the official name shall be “Tahoe East Shore National Scenic Byway.”
- The official tag line for the State Route 28 Scenic Byway is defined as “America’s Most Beautiful Drive.”



Example of naming and logo standards on a gateway monument

Single Color Trail Logo Options



The preferred color when only one color is available for printing is to use blue:
Pantone+ CMYK Uncoated, P106-6
C: 72 M: 38 Y:0 K:0



If color is not applicable for print, black may be used



A 50% black gray scale coloring may be used if no other options are applicable. The four color or single blue color guidelines are preferred.



On a dark background, a white color may be used. Alternatively, the outer edges may be white keeping the full internal colors.

Aluminum and Iron Cut Logo Options

The Tahoe East Shore Trail logo has been designed to allow for single-piece iron or cut aluminum. In each case, some modifications to the logo will need to be made to allow for all pieces to connect as one. The “Tahoe East Shore Trail” font will need to be modified to allow inner pieces to connect to the overall logo similar to a stencil-style font. The center Lake Tahoe shape will be enlarged as to connect to the rest of the piece. The central “E” character will be scaled down

by approximately 10% to fit as a single cut inside the lake symbol and will allow the bottom of the vertical bar of the “E” character to connect to the lake symbol. Holes may be cut into the three points of the badge for mounting purposes where applicable.



Flat aluminum option



3D rendering of oxidized iron option

Four Color Trail Logo



- Pantone+ CMYK Uncoated, P 103-16 U
C: 97 M: 81 Y:0 K:51
- Pantone+ CMYK Uncoated, P 120-14 U
C: 75 M: 0 Y:11 K:45
- Pantone+ CMYK Uncoated, P 106-6
C: 72 M: 38 Y:0 K:0
- Pantone+ CMYK Uncoated, P 179-15
C: 0 M: 0 Y:0 K:95

Color theme references Lake Tahoe’s natural colors in shallow and deep waters

Lake Tahoe Universal Theme

The logo for the East Shore Trail fits into a universal format that may cover the entire perimeter of Lake Tahoe in a future trail network. In this network, there will be a unique logo for North, East, South, and West Tahoe.



CORRIDOR IDENTITY & STANDARDS

MATERIAL SELECTION & SPECIFICATIONS

The use of naturally occurring materials will help to keep a consistent feel with the natural beauty of the Tahoe East Shore area and will help to establish a brand design. A primary goal is to keep signage from overpowering the natural beauty of the area while also not being dwarfed by it. Sign dimensions that are shown in this document may be adjusted to suit each specific location. ADA requirements should be referenced on a location by location basis. Colors for each sign are to match the colors assigned in this document to exact specifications or as closely as possible.

Granite

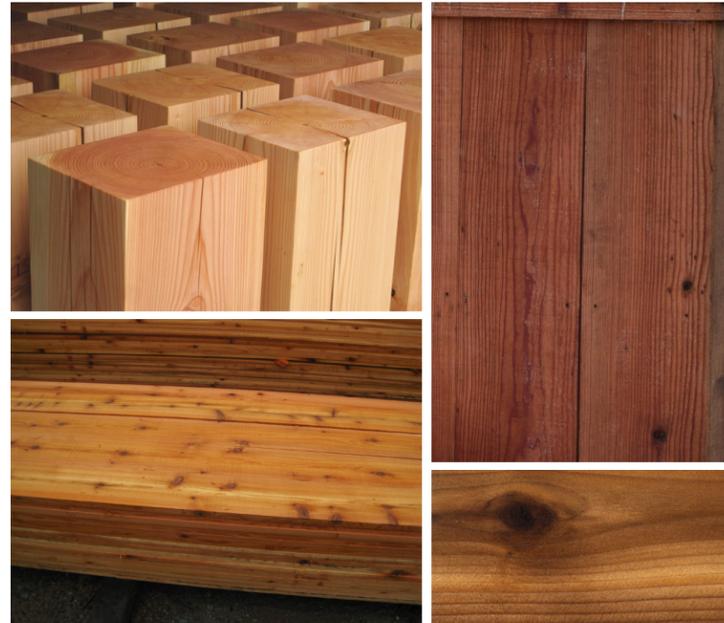
Example Uses: Walls, vista point groundwork, and areas with general masonry.



Wherever masonry is a consideration for use, the inclusion of fractured granite which directly matches the Tahoe East Shore area should be used. This may apply to signage which includes a stone base, walls around vista points, and groundwork for vista points or similar.

Wood

Example Uses: Sign posts, mileage markers, and sign header bars.



It is recommended to use naturally occurring Douglas Fir and Western Red Cedar wood options on all applicable signs and general sign posts.

Metal

Example Uses: Sign post support base, sign hardware (i.e. bolts), and solid logos.



The use of powder-coated metals may be used for sign support brackets, sign faces and backings, and hardware such as bolts. Oxidized iron (rust) patina for solid metal logos are recommended to keep both a historic and natural look.

Colors

Signs will use a common color theme to establish a brand design and consistent feel to the Tahoe East Shore area.

-  East Lake Tahoe Blue: Commonly used behind the “East Lake Tahoe” text which appears on signs A through E. Match to PMS 279c.
-  Highway wayfinding: For use on standard highway signage. Match to PMS 342c.
-  State Park Brown: For use on highway signage when calling out State Park location wayfinding. Match to PMS 1615c.

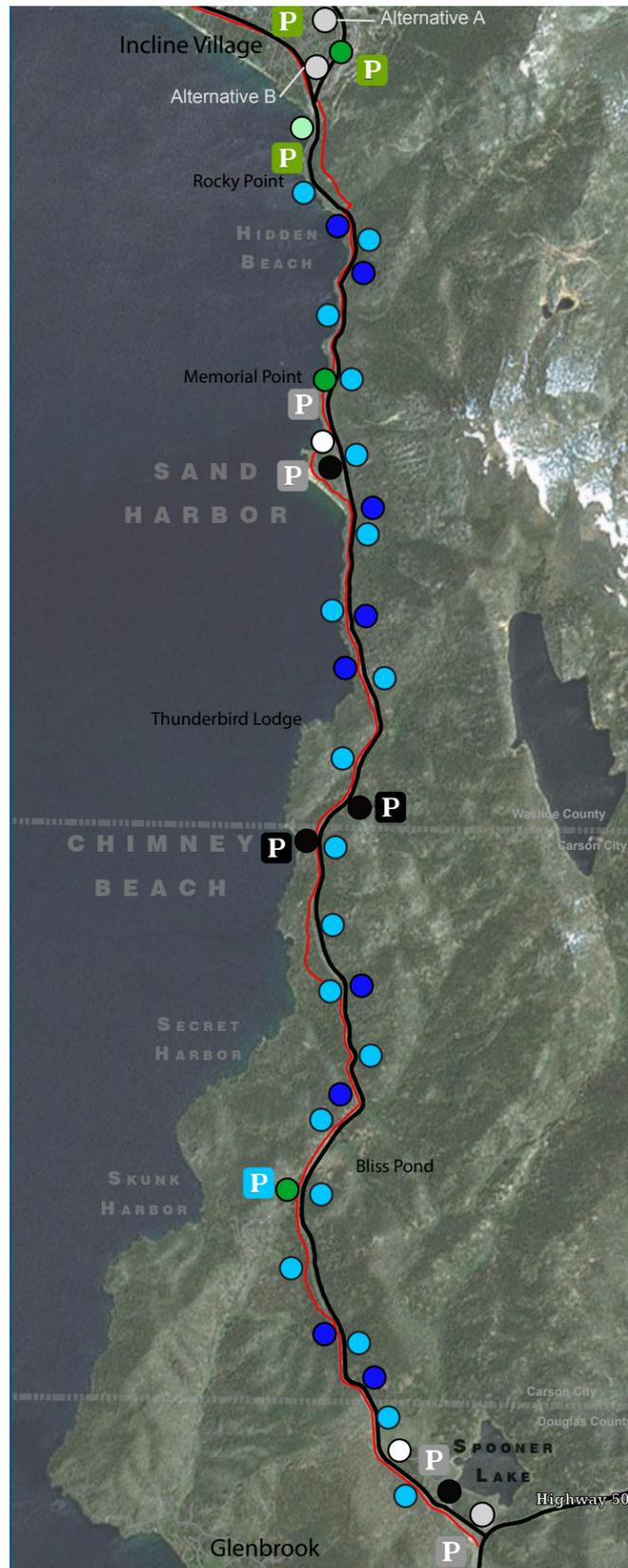
-  Dark Brown: Commonly used on sign faces for signs C through G. Match to PMS 4625c.
-  Brown: Commonly used for powder-coated metals on sign support brackets and bolts. Match to PMS 469c.

 Also for use on all sign icons



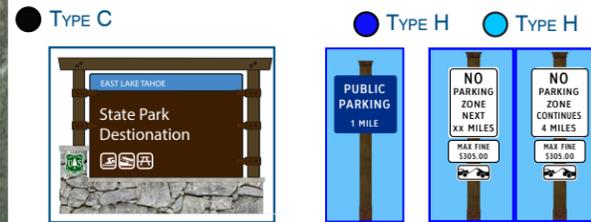
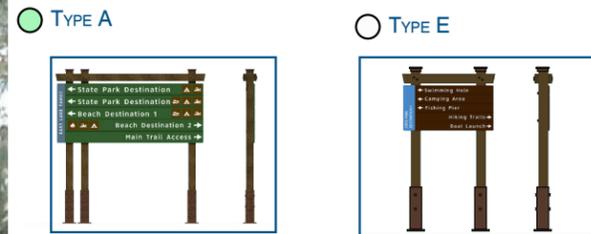
SECTION 2: HIGHWAY WAYFINDING

SIGN TYPES & LOCATION



STATE ROUTE 28 NATIONAL SCENIC BYWAY PROPOSED SIGN TYPE LOCATIONS

PROPOSED SIGN TYPE

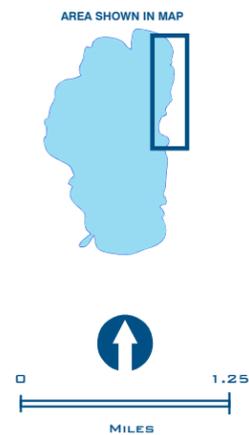


Repeat Every 1/2 Mile

OFF-HIGHWAY PARKING



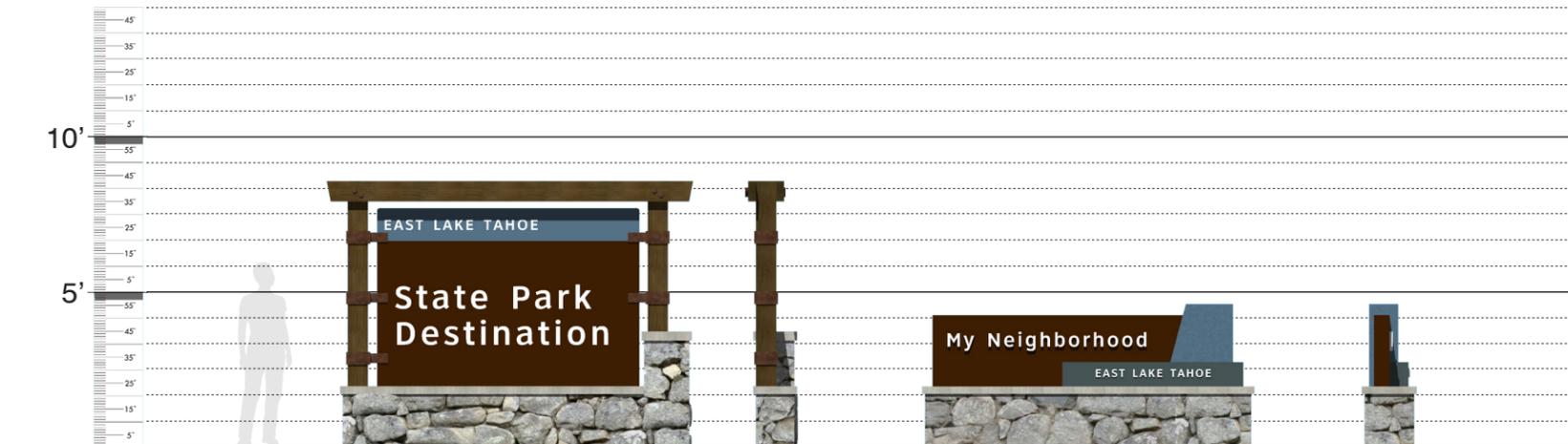
PATHWAYS



Sign Type A
Vehicular Pole-Mounted Directional



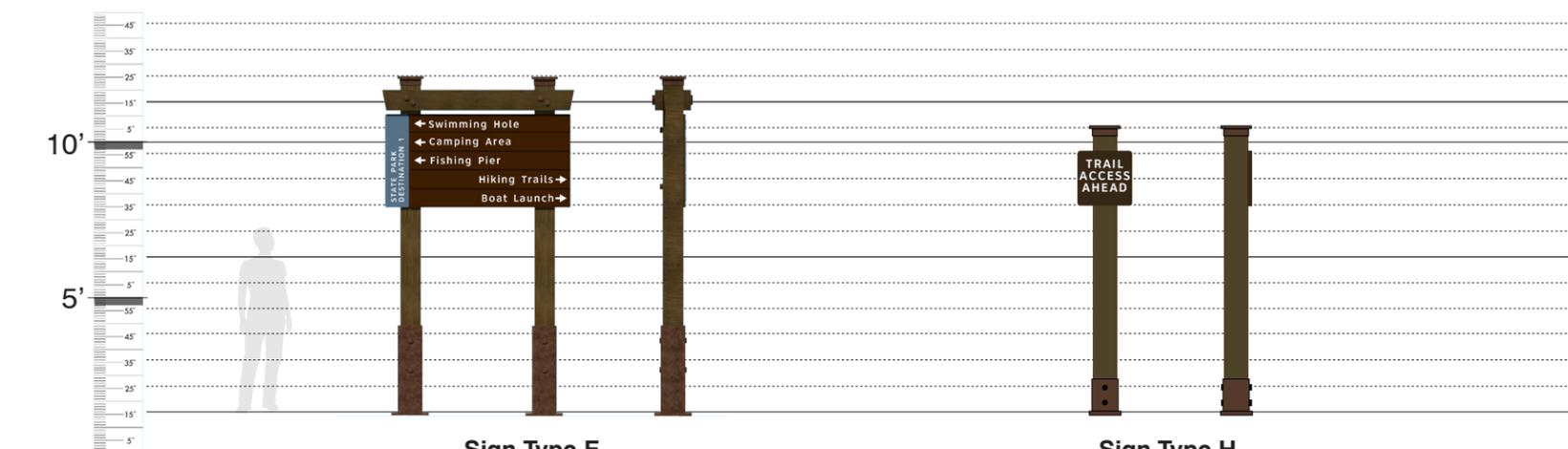
Sign Type B
Vehicular Monument Directional



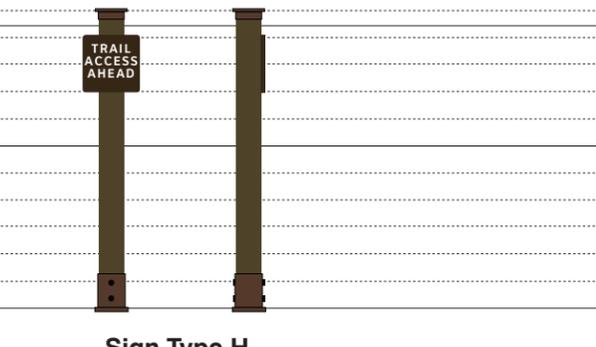
Sign Type C
Vehicular Monument Destination Sign



Sign Type D
Vehicular Destination Monument



Sign Type E
Secondary Roadway / Pole-Mounted Directional



Sign Type H
Parking / Alerts / Warnings

VEHICULAR SIGNS

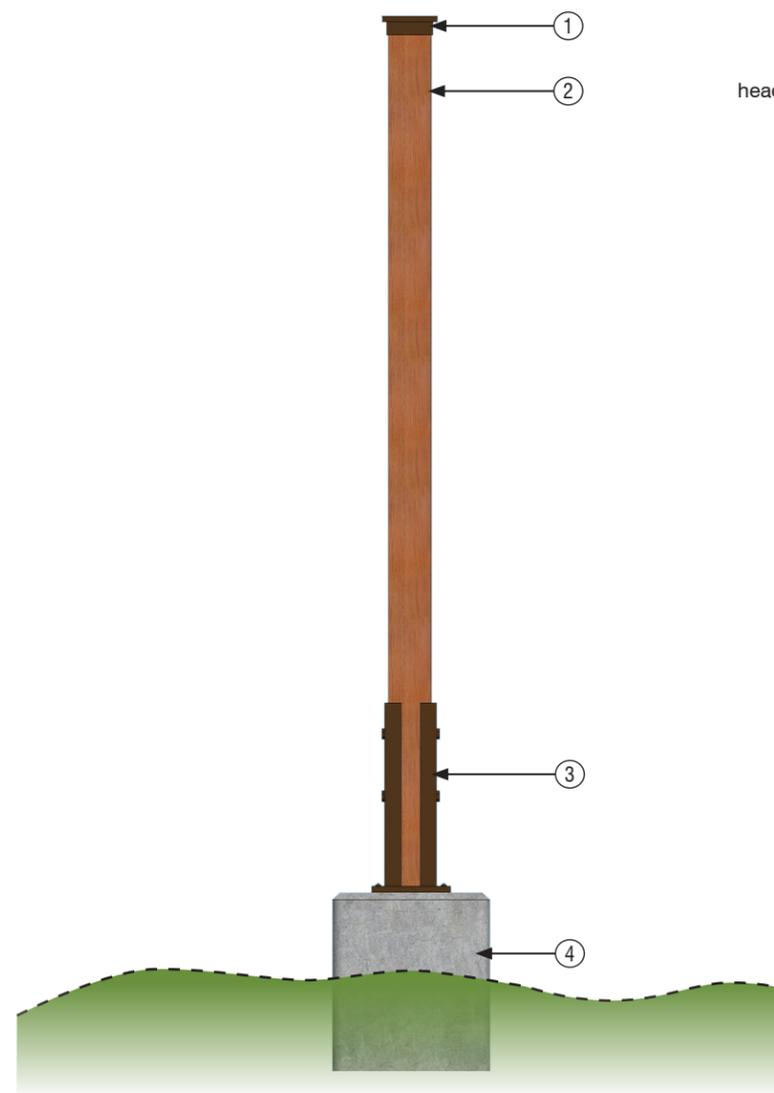
GLOBAL STANDING SIGN STANDARDS

Future and proposed standing signs should follow a consistent style utilizing the materials and colors shown in this document. While dimensions will inevitably change between signs, uniform scaling should be used wherever possible.

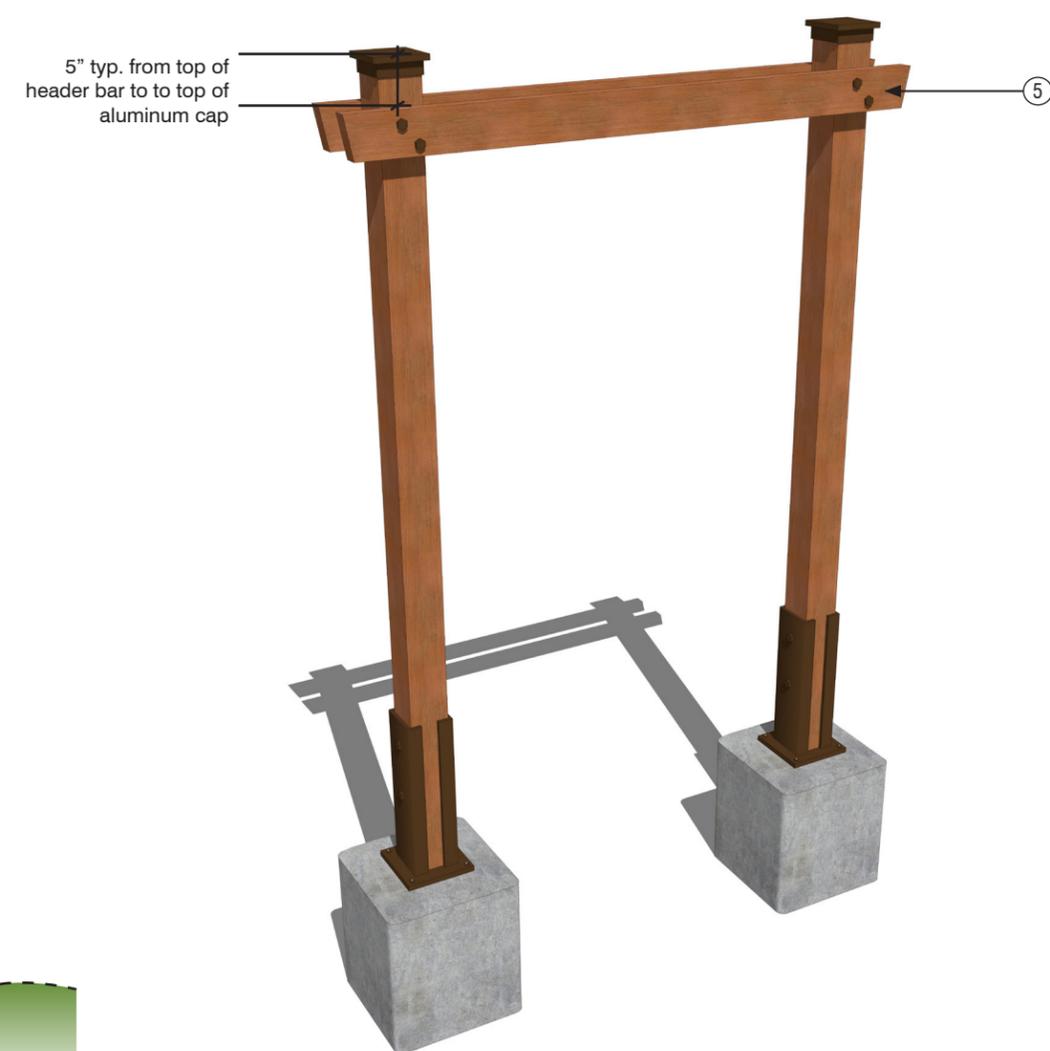
Standard Sign Post

1. **Caps**
 - Material: Powder-coated aluminum.
 - Color: To match PMS 469c.
2. **Vertical Post** - Material: 6" or 8" sq. wood beam (Douglas Fir or Western Red Cedar).
3. **Support Brackets**
 - Material: Powder-coated metal; custom designed brackets shown; standard brackets may be specified by engineer.
 - Color: Match to PMS 469c.
 - Mounting: Mount to vertical support beams with standard round thru bolts.
4. **Concrete Base** - Placed 3" min to 12" max above grade level. Avoid wood to ground contact.
5. **Header Bar** - If a sign necessitates the use of two posts, they should be connected by a header bar with tapered ends.
 - Material: Douglas Fir or Western Red Cedar
 - 8" x 3" wood for 8" vertical posts, front and back of sign.
 - 6" x 2" wood for 6" vertical posts, front and back of sign.
 - Mounting: Mount to vertical support beams with standard round 2" thru bolts. Maintain 5" distance from top of header bar to top of aluminum cap.
 - Shape: Taper ends to an angle of 10 degrees

Note: If a sign is to be placed within the 14 foot clear zone of the roadway, reference the latest edition of the "NDOT Standard Plans for Road and Bridge Construction" in the section titled "Roadside Sign Section" for breakaway sign posts. The wooden post mounting may need to be modified to allow for breakaway safety standards.



Front view of a typical sign post



Typical double sign posts

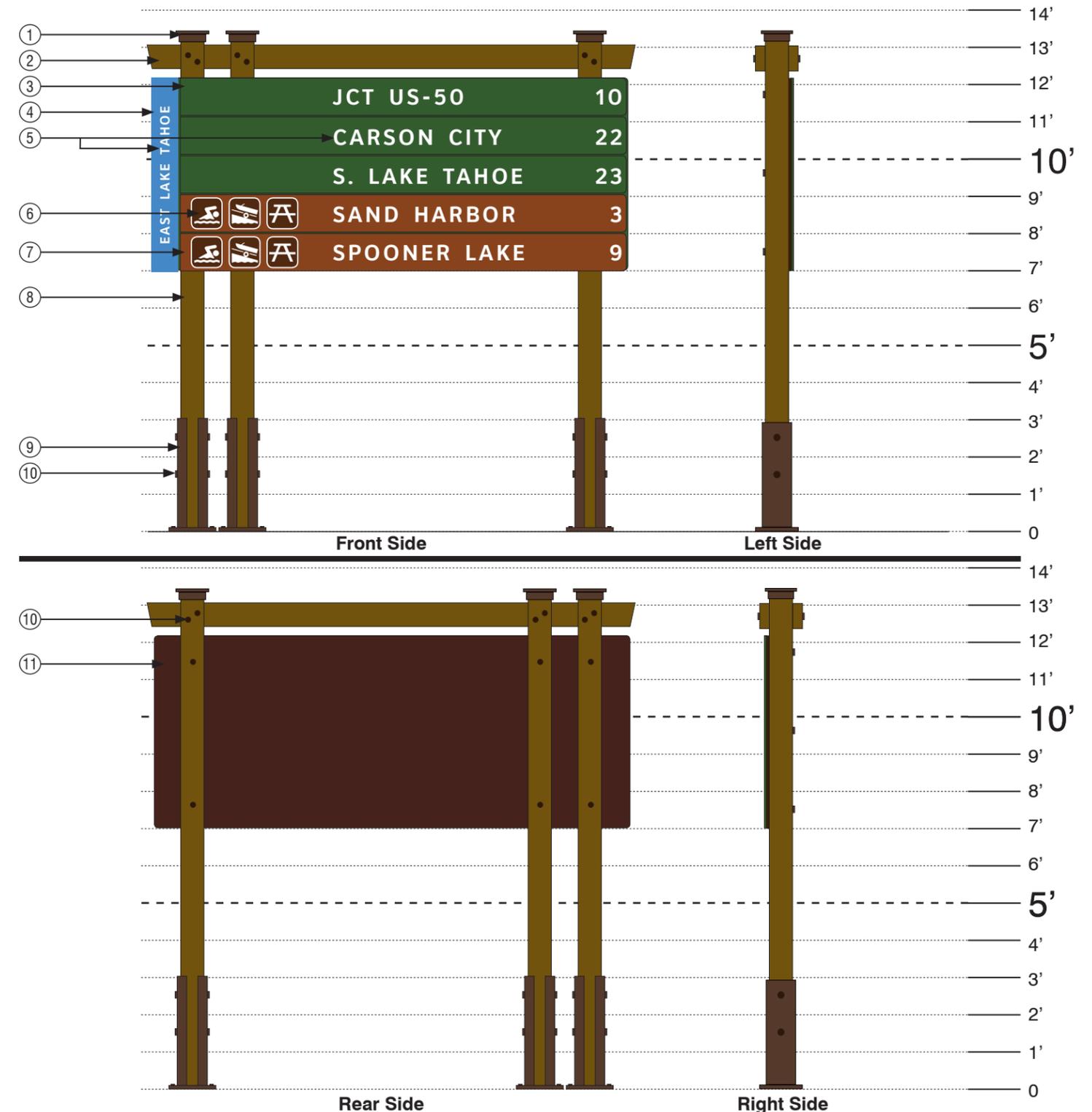
VEHICULAR SIGNS

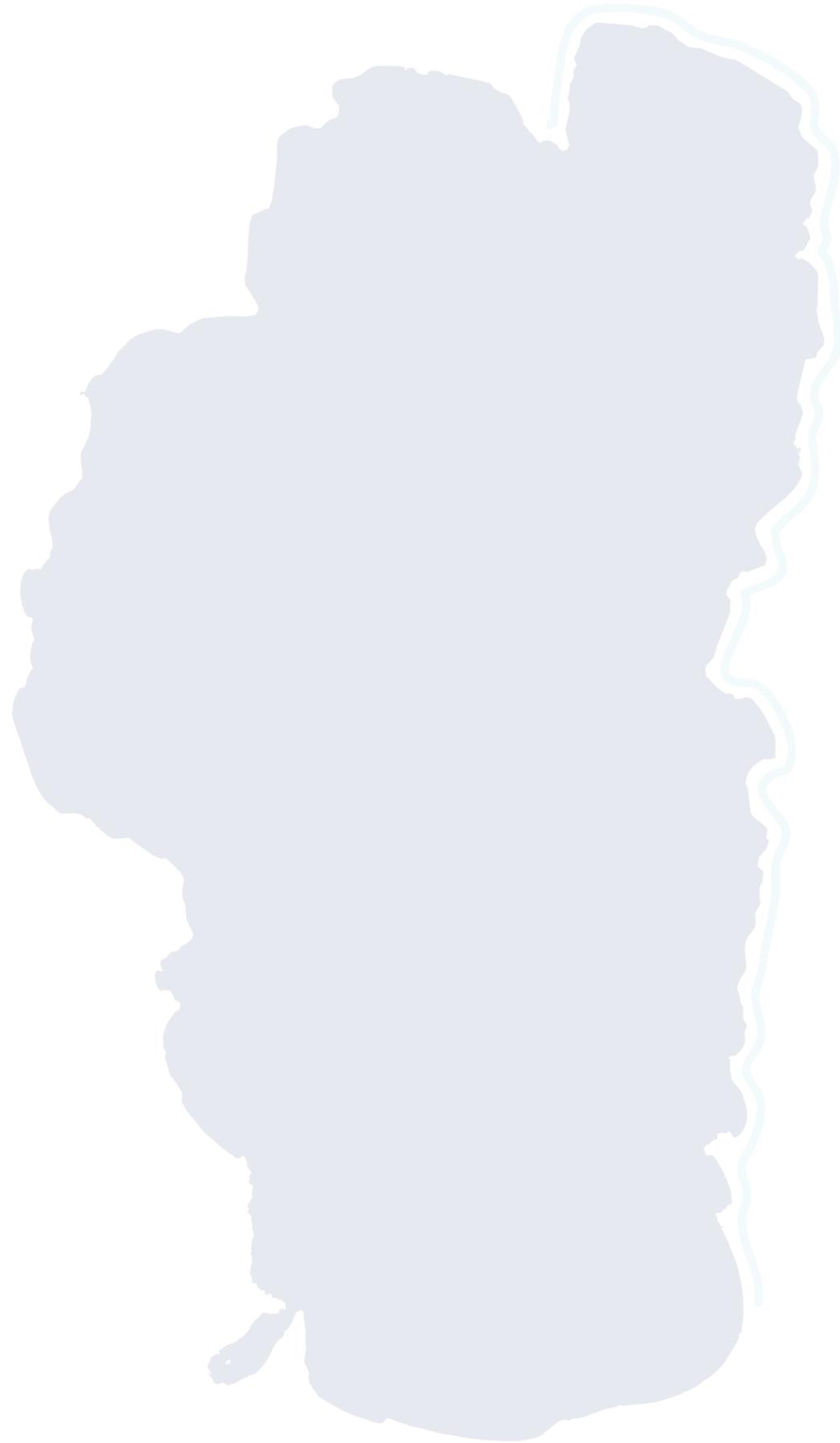
TYPE A: VEHICULAR POLE-MOUNTED DIRECTIONAL

The purpose of this sign is to notify roadway users of upcoming destinations, activities, facilities, and directions. Its intended use is for vehicles traveling between 20 and 50 MPH.

- Sign stands 13.5 feet tall and is 12 feet wide. Dimensions are recommended maximums but may be adjusted to suit each specific location as necessary.
- There are a maximum of 5 lines per sign and a recommended minimum of 3 lines per sign.
- Optional State Park destinations may be placed with standard highway coloring and icons.
- Maximum of 3 icons per line. If more than 3 icons are required, an extra line for that destination may be added.

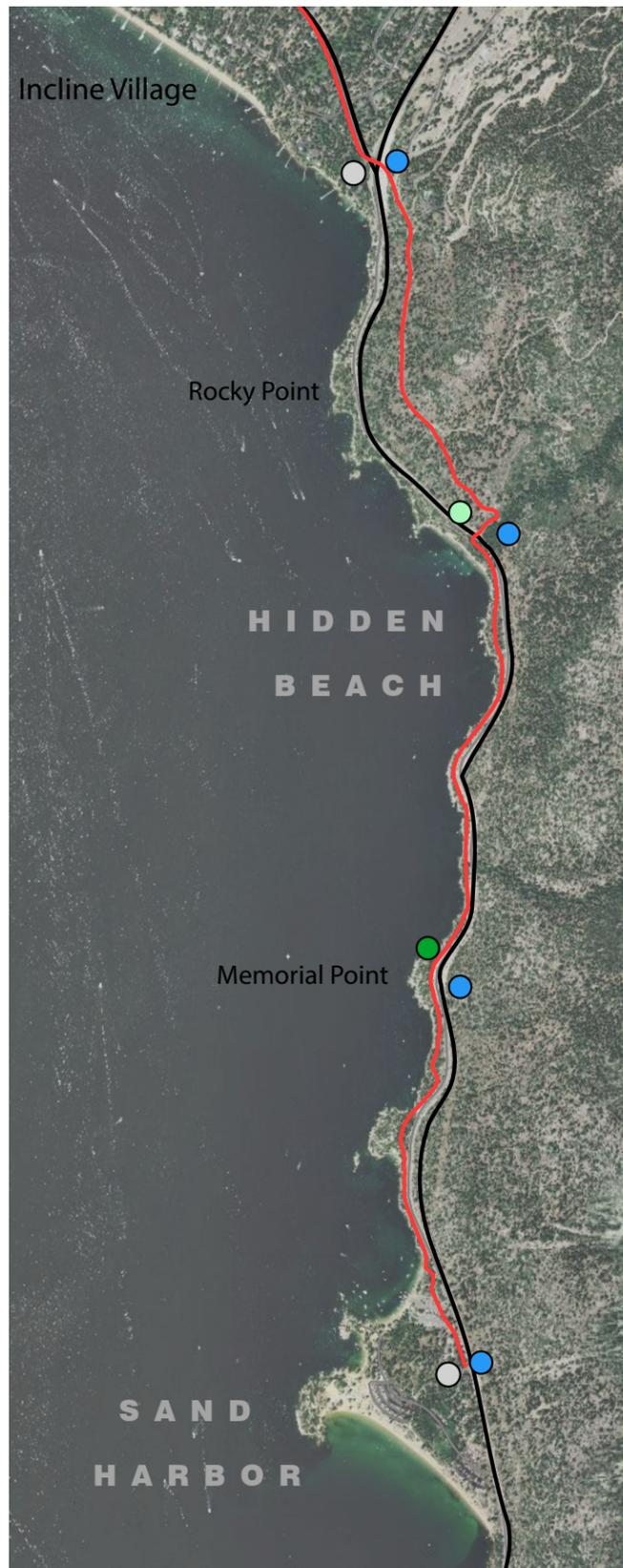
- Caps**
 - Material: Powder-coated aluminum.
 - Color: To match PMS 469c.
- Header Bar**
 - Material: 8" x 3" wood (Douglas Fir or Western Red Cedar), front and back of sign.
 - Mounting: Mount to vertical support beams with standard round 2" thru bolts. Maintain 5" distance from top of header bar to top of aluminum cap.
 - Shape: Taper ends to an angle of 10 degrees
- Sign Panel(s), Highway Wayfinding**
 - Material: 1/4" powder-coated aluminum sign panel(s) with 1" radius corners, 12" height.
 - Color: Match to PMS 342c.
 - Finish: Clear anti-graffiti coating 1800 Series by Ecological Coatings LLC or similar.
 - Spacing: Panels spaced 1/2" apart.
 - Mounting: Mounts to backer panel with construction adhesive.
- Sign Panel** - 1/4" powder-coated aluminum sign panel with 1" radius corners.
 - Color: Match to PMS 279c.
 - Finish: Clear anti-graffiti coating 1800 Series by Ecological Coatings LLC or similar.
 - Mounting: Mounts to backer panel with construction adhesive.
- Letters and Arrows**
 - Material/Color: White reflective vinyl (or white retro reflective sheeting) copy and directional arrows.
 - Typeface: Clearview Hwy 5W.
- Icons**
 - Material: 10" vinyl recreational symbol with 1" radius corners.
 - Color: Icon background to match PMS 469c, icon white.
- Sign Panel(s), State Park Destinations (Where Applicable)**
 - Material: 1/4" powder-coated aluminum sign panel(s) with 1" radius corners.
 - Color: Match to PMS 1615c
 - Finish: Clear anti-graffiti coating 1800 Series by Ecological Coatings LLC or similar.
 - Spacing: Panels spaced 1/2" apart.
 - Mounting: Mounts to backer panel with construction adhesive.
- Vertical Support Beam** - Material: 8" sq. wood beam (Douglas Fir or Western Red Cedar).
- Support Brackets**
 - Material: Powder-coated metal; custom designed brackets shown; standard brackets may be specified by engineer.
 - Color: Match to PMS 469c.
 - Mounting: Mount to vertical support beams with standard round thru bolts.
- Bolts** - Material: Powder coated round thru bolts attach support bracket to posts.
- Sign Backer Panel**
 - Material: 1/4" powder-coated aluminum backer panel with 1" radius corners.
 - Color: Match to PMS 342c
 - Finish: Clear Anti-Graffiti Coating 1800 Series by Ecological Coatings LLC or similar.
 - Mounting: Mounts to vertical support beams with counter-sunk fasteners





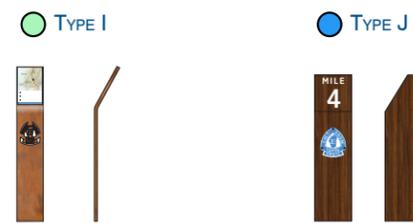
SECTION 3: BIKE & PEDESTRIAN WAYFINDING & INTERPRETIVE SIGNAGE

SIGN TYPES AND LOCATION



TAHOE EAST SHORE TRAIL

PROPOSED SIGN TYPE LOCATIONS

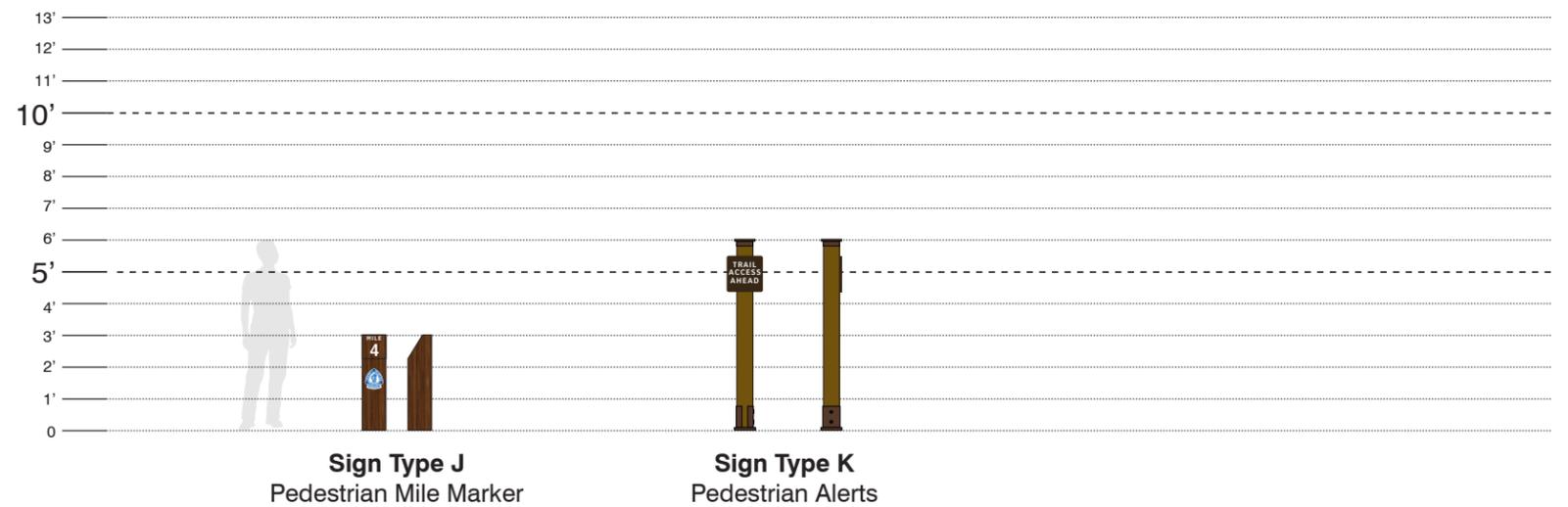
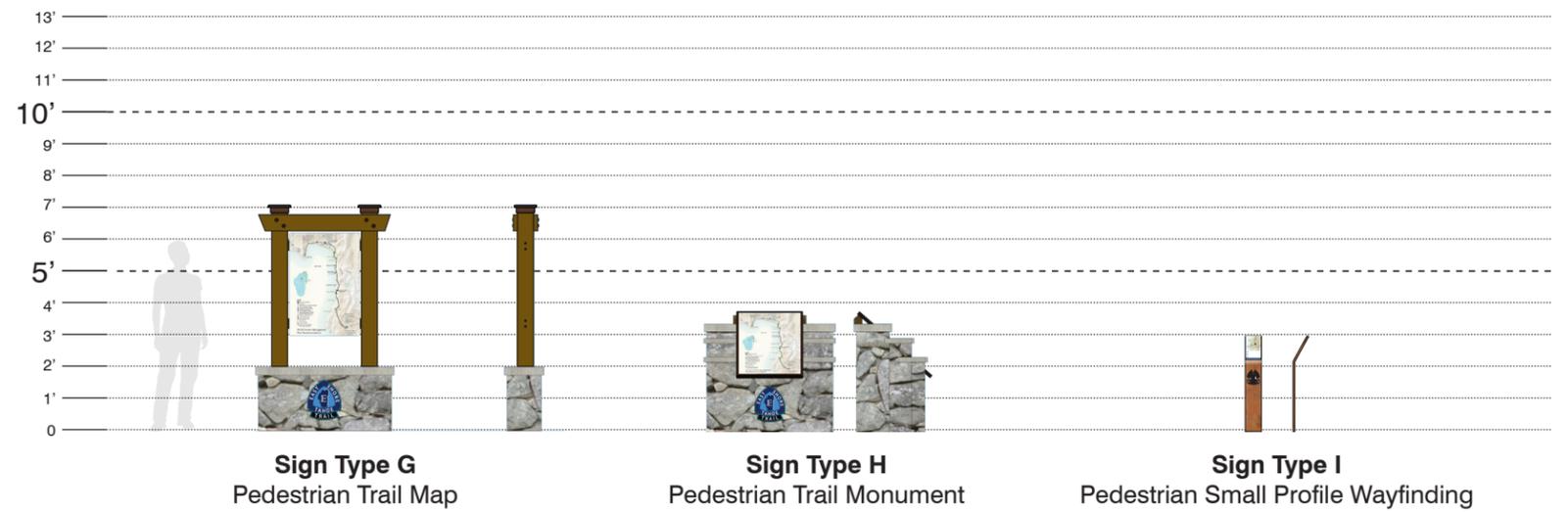
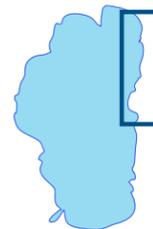


PATHWAYS

STATE ROUTE 28

TAHOE EAST SHORE TRAIL

AREA SHOWN IN MAP



Bike & Pedestrian Wayfinding Signage Placement

- Signage locations south of Sand Harbor should be included in the design of the next phase of the East Shore Trail.
- Sign Type J should be placed at 1 mile intervals along the trail and continued on south of Sand Harbor in the future.
- Sign Type G should be used at trail connection points, such as trail heads and where other trails connect.
- Sign Type H should be used at prominent destinations along the trail.

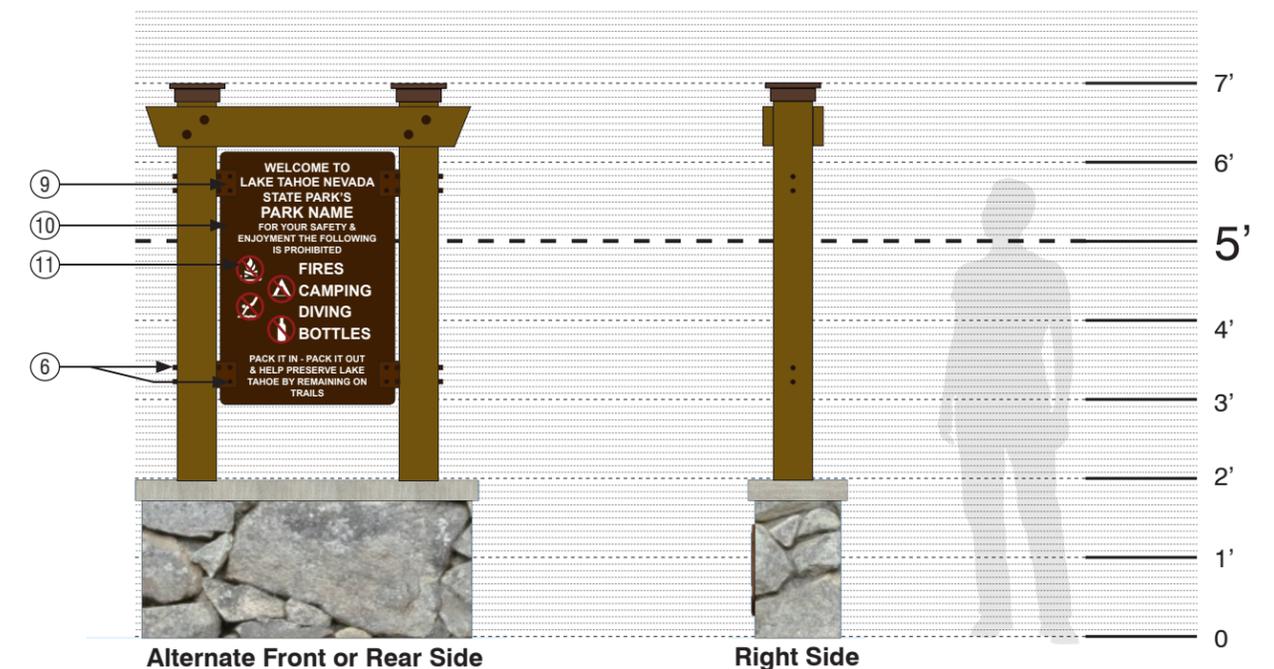
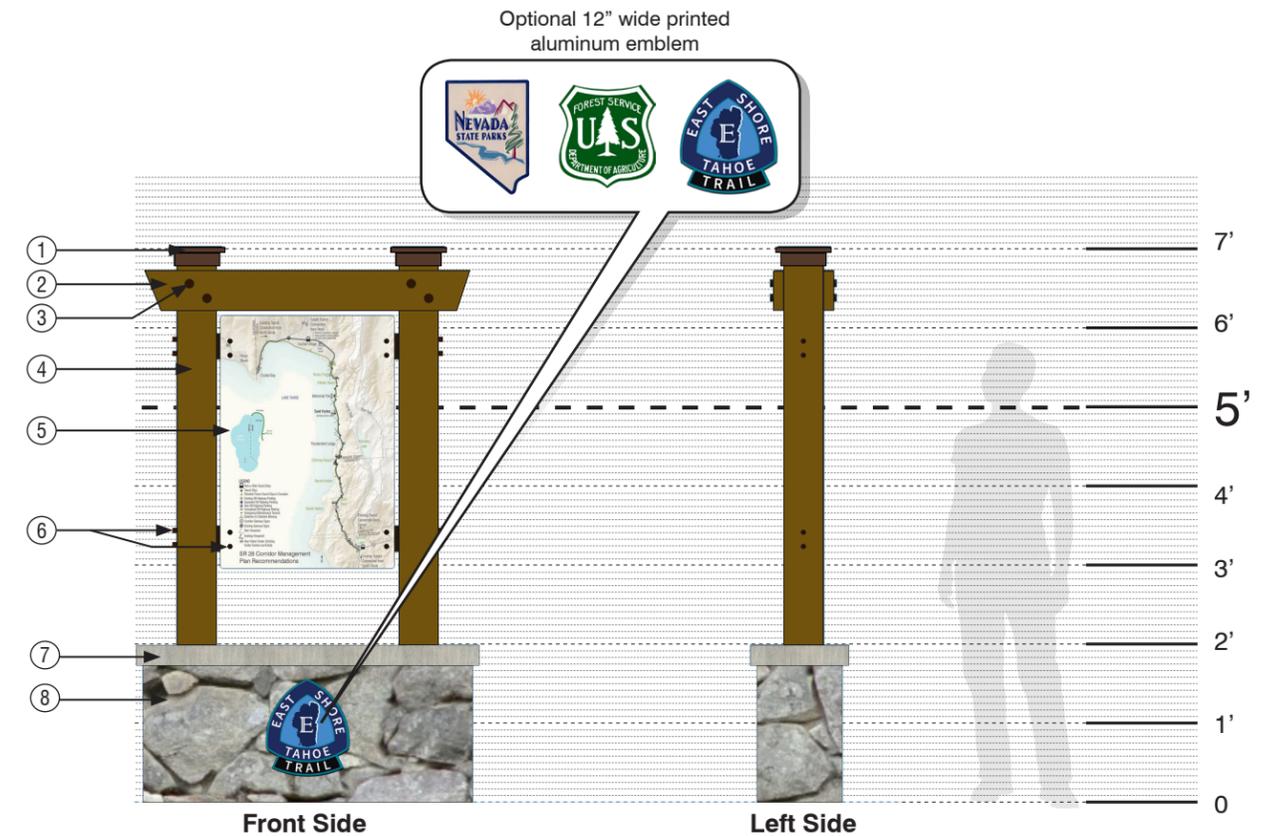
PEDESTERIAN & TRAIL SIGNS

TYPE G: PEDESTRIAN TRAIL MAP

The purpose of this sign is to mark important locations, trail entrances, and areas of interest along the way. Its intended use is for pedestrians 0 to 20 feet away.

- Sign stands at 7 to 10 feet tall and 3 to 6 feet wide. Dimensions are recommended maximums but height may be adjusted to suit each specific location as necessary, and must meet all Americans with Disabilities Act (ADA) requirements.
- Interpretive panel is UV, abrasion, graffiti and burn resistant material
- Optional printed aluminum emblem affixed to stone base

- Caps**
 - Material: Powder-coated aluminum.
 - Color: To match PMS 469c.
- Header Bar**
 - Material: 8" x 3" wood (Douglas Fir or Western Red Cedar), front and back of sign.
 - Mounting: Mount to vertical support beams with standard round 2" thru bolts. Maintain 5" distance from top of header bar to top of aluminum cap.
 - Shape: Taper ends to an angle of 10 degrees
- Hardware** - Round 2" powder-coated aluminum thru bolts.
 - Color: To match PMS 4625c.
- Vertical Support Beam** - Material: 6" sq. wood beam (Douglas Fir or Western Red Cedar).
- Interpretive Sign Face** - 1/4" high density laminate with 1" radius corners.
 - Material: DuraReader High Pressure Laminate or equivalent.
 - Mounting: Mounts to backer panel with construction adhesive and 1" round thru bolts.
- Hardware** - Round 1" powder-coated aluminum thru bolts.
 - Color: To match PMS 4625c.
- Concrete Top**
 - Material: Cured-in-place (CIP) concrete top
 - Color: Match to medium gray.
- Support Base**
 - Material: Cured-in-place (CIP) concrete with fractured granite, to match granite found around East Lake Tahoe
- Angled Support Brackets**
 - Material: Powder-coated metal; custom designed brackets shown; standard brackets may be specified by engineer.
 - Color: Match to PMS 469c.
 - Mounting: Mount to vertical support beams with standard 1" round thru bolts.
- Interpretive Sign Backing**
 - Material: 1/4" powder-coated aluminum backer panel with 1" radius corners.
 - Color: Match to PMS 4625c
 - Finish: Clear Anti-Graffiti Coating 1800 Series by Ecological Coatings LLC or similar.
 - Mounting: Mounts to angled support brackets with 1" thru bolts.
- Optional Informative Text**
 - Material: 1/4" powder-coated printed aluminum.



Prison Hill Recreation Area - Multiple entrances without signage



Prison Hill Recreation Area - Existing signs may not be in the best locations



Prison Hill Recreation Area –
Few signs for “No Motor Vehicles” but vehicles still drive everywhere



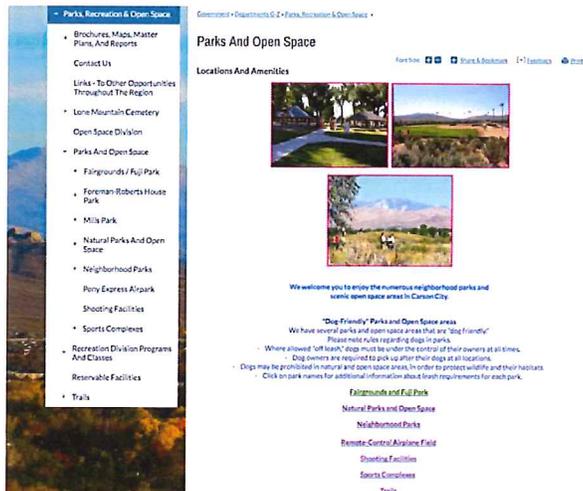
East Silver Saddle Ranch – Existing signage



WEBSITE AND MOBILE APP REPORT

FINDINGS

1) The current website is way too cluttered. There are 2 'lists' to work from, makes it difficult to find what you might be looking for.



2) Too many 'clicks' to get to Open Spaces. If you do a search for Carson City Open Space you get the '-Parks, Recreation & Open Space'. Then you have to choose whether to click on '- Parks And Open Space' or 'Natural Parks and Open Space'. The first one takes you no where different. The second one takes you to the list of Open Space Properties.

- Parks And Open Space
 - + Fairgrounds / Fuji Park
 - + Foreman-Roberts House Park
 - + Mills Park
 - + Natural Parks And Open Space
 - + Neighborhood Parks
 - Pony Express Airpark
 - Shooting Facilities
 - + Sports Complexes

[Fairgrounds and Fuji Park](#)

[Natural Parks and Open Space](#)

[Neighborhood Parks](#)

[Remote-Control Airplane Field](#)

[Shooting Facilities](#)

[Sports Complexes](#)

[Trails](#)

[Park System Map](#)

3) When you are in each Open Space Property and you 'Click Here for Map/Location' it just takes you to a google map with all of the sites on it, which includes every park and open space. You then have to click on the property on the list which then 'lights' it up and you get some information about it (less but same information that was on the page you just clicked from), but you can't then click on the site and get directions to it.

Ambrose Carson River Natural Area

Font Size: [+](#) [-](#) [Share & Bookmark](#) [Feedback](#) [Print](#)

The Ambrose Carson River Natural Area is located along the east side of Carson River and the west side of Deer Run Road. This passive recreation area is jointly managed by the Bureau of Land Management and Carson City and offers dirt paths and access to the Carson River.



[Click Here for Map/Location](#)

RECOMMENDATIONS

1) The first page seen should consist of large 'buttons' to select next steps from:

Parks & Recreation

Open Space

Map of all Open Space and Parks & Recreation Properties (color coded as to who is who)

Trails

OHV

Registration/Facility Rentals

Special Events (link to Carson City Visitors Bureau App)

Contact Information

Volunteer

5

2) Open Space page should then have large 'buttons' to select:

List of Open Space properties

How your tax dollars were spent page which includes a map of Open Space properties and a short 'blurb' on each that would include what's special, when and how acquired and how much of the purchase price was from Quality of Life tax and how much from grants etc.

History

Regulations for Use (specific regulations should also be on the page for each Open Space Property)

OSAC Committee (with link to agendas and minutes)

Plan Documents

3) The website should have added software to track how users interface with a page, and how frequently pages are visited, such as Crazy Egg

6

Sample websites

City of Bellingham Washington's website <https://www.cob.org/gov/dept/parks> is very clean and clear. This is the page you see when you do a google search:

7

City of Bellingham WASHINGTON

home government services visiting

search site

Boulevard Park at Sunset - Photo by Amy Woodward

Parks and Recreation Department

- about us
- services
- resources
- projects
- leisure guide
- park guide

Parks and Recreation Department - 3424 Meridian Street, Bellingham WA 98225 | 8 a.m. - 5 p.m. Mon - Fri | 360.778.7000 | [more contact info](#)

8

City of Aurora, Colorado has some nice features, but could be less cluttered.

https://www.auroragov.org/things_to_do/parks__open_space__trails

The screenshot shows a website page for "Parks, Open Space & Trails" on the City of Aurora website. At the top, there is a search bar with the text "Find what you need...". Below the search bar is the main heading "Parks, Open Space & Trails" in a large, bold, purple font. Underneath the heading, the breadcrumb "City of Aurora / Things To Do / Parks, Open Space & Trails" is visible, along with social media and accessibility icons (A-, A+). The main content area features a paragraph: "Walk, hike, bike, fish or just play! Aurora has 97 developed parks and over 5,000 acres of open space to help you maintain an active lifestyle. Park hours are 5 a.m. to 11 p.m. daily. Park amenities vary; however, most parks have playground equipment, picnic tables and nearby multi-use trails. Twenty city parks have reservable shelters; all other shelters are free and are first come, first served during park hours." To the right of this text is a small image of children playing on a playground. Below the text is a grid of colorful buttons with icons and labels: "Aurora Sports Park" (green), "Dog Parks" (orange), "Forestry" (grey), "Nature & Open Spaces" (light blue), "Park & Open Space Permits" (red), "Park Listings" (yellow), "Park Rules & Regulations" (dark grey), "Park Shelter Rentals" (brown), "Reservoirs" (purple), "Subscribe to Our Newsletter!" (yellow), and "Trails & Bike Maps" (light blue). On the left side of the page, there is a sidebar with a "Things To Do" section containing a list of links: "Parks, Open Space & Trails", "Aurora Sports Park", "Dog Parks", "Forestry", "Nature & Open Spaces", "Parks", "Park & Open Space Permits", "Reservoirs", "Shelter Rentals", and "Trails & Bike Maps". Below this list are three news snippets: "Help Us Dedicate Our First Street Mural" (Sept. 17), "Recycle Your Electronics" (Sept. 17), and "Road Construction Updates". At the bottom of the sidebar, there is a "Questions? Access Aurora" section with the phone number "303.739.7000" and social media icons for Facebook, Twitter, YouTube, and Instagram, along with the "aurora" logo.

The Adams County Open Space website is not a good website, but this piece of it, explaining how the monies were spent, would be a great addition to our website. It would help citizens understand where their tax dollars went and would provide Open Space the opportunity to show how going after grants has 'stretched' the tax dollars that we have received.

<https://adcogov.maps.arcgis.com/apps/MapTour/index.html?appid=75d7aa4663e4468da6c2d67110655037>

Adams County Open Space Sales Tax Highlights Adams County Open Sp

The Open Space Advisory Board would also like to take this opportunity to thank each and every citizen of Adams County for their continued support of the Open Space programs. By continuing to shop in Adams County, you support all of these wonderful projects and help to improve the quality of life for all county residents.

This project funded in part with
ADAMS COUNTY OPEN SPACE
sales tax funds.



**Adams County
Open Space Sales
Tax**

In 1999, Adams County voters demonstrated their dedication to parks and open space by approving the creation of the Open Space Sales Tax, and again in 2004, with the approval to reauthorize the tax through 2026. The sales tax is allocated three ways: 30 percent of the tax is distributed directly back to the jurisdiction where it was collected, 68 percent is distributed through a competitive grant process and two percent is used towards administrative costs to operate the program.



Map showing Adams County locations: Greeley, Loveland, Fort Collins, Longmont, Denver, Aurora, Littleton, Castle Rock. Includes map controls (home, zoom in, zoom out) and a legend.

NEXT STEPS

- 1) Add task force members from Parks and Recreation Commission
- 2) Find volunteers to visit all parks and open spaces to 'fact check' amenities
- 3) Develop criteria for the How Your Tax Dollars were spent pages
- 4) Find volunteers to research Open Space for the Tax Dollar pages

13

THE APP

Trail APPs found recently;

AllTrails

Adventure Projects, Inc.

TrailLink

Guthook

Yonder

Trailforks (mountain biking only)

Lake Tahoe Bicycle Coalition's new interactive online map that is usable on mobile devices

There are generally 2 types of APPs

AllTrails, Adventure Projects, Yonder, and Trailforks are all user driven. They depend on users to provide them with trails. They are not specific to an area, but will find trails anywhere in the U.S. And some of them are developed only for particular user type's, i.e. Trailforks is only for mountain biking.

TrailLink, Guthook, and Lake Tahoe Bicycle Coalition are all developed trail apps that users can search to find trails in a specific area.

14

RECOMMENDATIONS FOR THE APP

Do we want to use one, or all, of the general APPs by working with them to identify the Carson City trails, or are we better served by a App specific to Carson City County? Also, do we want to share development with Parks & Recreation and Carson City Visitors Bureau?

An App should, at a minimum, include:

Clear specific trail maps

Directions to trailheads

Markings such as; view points, way points, user groups, etc.

Elevation gain/loss

A way of communicating trail conditions/problems

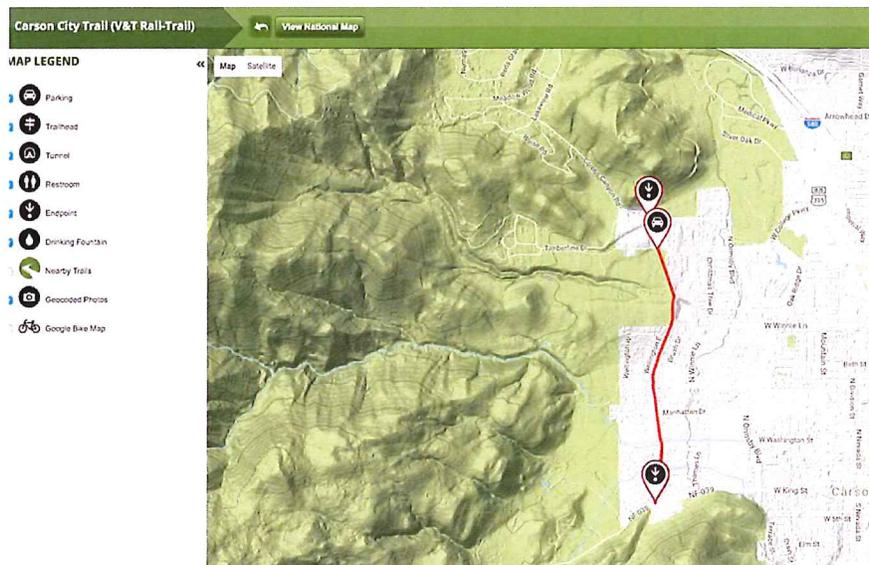
Added features that would be of benefit:

GPS tracking

Photos and photo sharing

15

TrailLink is good but does not provide things like elevation gain. [https://www.traillink.com/trail-maps/carson-city-trail-\(vt-rail-trail\).aspx](https://www.traillink.com/trail-maps/carson-city-trail-(vt-rail-trail).aspx)



16

Lake Tahoe Bicycle Coalition has just released their new interactive online map, which can be used on mobile devices, and they've already added some of Carson City's trails. It would appear to be somewhere between TrailLink and Guthook as far as features. <http://www.tahoebike.org/>

The screenshot shows a web-based map interface. On the left, a sidebar contains the following information:

- Start: Ash canyon Carson City
- End: Kings canyon carson city
- Route Type: Prefer bike paths & lanes
- Get Directions button
- Directions to Kings Canyon Carson City
- Distance: 4.4 miles
- Time: 27 to 35 min
- Total Feet of Climbing: 1671 feet
- Start South On Longview Way
- Right On Kings Canyon Road
- Right Right On National Forest Development Road
- Arrive At Kings Canyon Carson City
- Print this map to view your route offline.

The map itself shows a topographic view of the Carson City area with a red dashed line indicating the route. A legend in the bottom right corner lists features: Construction (yellow triangle), Bike Parking (blue square), Bike Shops (blue circle), Multi-use Path (blue square with diagonal line), Bike Lane (blue square with diagonal line), and Bike Route (blue square). The number 17 is visible in the bottom right corner of the map area.

Guthook has focused on long through hikes, but has been expanding into hiking areas, for example the San Jacinto and Idylewild Hiker. They provide a lot of detail, even such information as miles to next waypoint, water, view sites, elevation gain with photos of each. They also provide GPS tracking, so that the user knows exactly where they are on the trail. They also allow for user input, such as trail conditions and photos.

<http://www.guthookhikes.com/apps>

Guthook's Hiking Guides the premier hiking trail guides for your smartphone. Whether you're out hiking for a day, or walking the entire Appalachian or Pacific Crest Trail, these apps give you a treasure trove of information to help you on your way. Designed and built by three experienced long-distance backpackers, we know what you need to get through the long trail ahead.



Navigate the trail with interactive maps and elevation profiles. Select waypoints to see photos, info, and virtual trail registers.

Reasons that you'll want **Guthook's Guides** on your hike:

- Detailed information on most major long-distance backpacking trails, with more being added each year.
- Thousands of points of interest along the trails, ranging from water sources and campsites to views and places to visit.
- Photos for most points of interest, so you'll know what you're heading for.
- Virtual trail registers, where you can share notes with other hikers.
- Interactive elevation profiles, so you'll see just how difficult the climbs are.
- Instantly updating trails and points of interest. As soon as we get info about re-routed trails or new points of interest, they'll update on your phone.

AllTrails <https://www.alltrails.com/us/nevada/carson-city?ref=search>

Apps, like AllTrails often have unapproved trails on them.

Explore more trails Expand

Kings Canyon Trail

MODERATE ★★★★★ 4 reviews
1 of 1 trails in Mills Park

Favorite Directions More

Kings Canyon Trail is a 1.5 mile moderately trafficked loop trail located near Carson City, NV that features beautiful wild flowers and is rated as moderate. The trail offers a number of activity options and is accessible from March until September. Dogs and horses are also able to use this trail.

- 1.5 miles 813 feet Loop
- dog friendly
 - kid friendly
 - birding
 - hiking
 - nature trips
 - off road driving
 - horseback riding
 - views
 - wild flowers
 - rocky

