



Monterey County

BIKE & PEDESTRIAN WAYFINDING SIGN DESIGN

MARCH 2016

WAYFINDING CONCEPT DESIGN

This package presents preferred concept designs for regional bicycle and pedestrian wayfinding signs. Through a public engagement process led by the Transportation Agency of Monterey County (TAMC) and a series of work sessions with the TAMC Wayfinding Plan Advisory Committee a final design was developed that is a reflection of the County’s community assets. Standards, unique branding, visibility, and cost were considered when developing and finalizing the sign family. This suite of options is both durable and flexible. It uses materials that resist the natural elements and deter vandalism. In addition, this design considers modular components that may be fabricated and maintained by City facilities staff.

The “Explore Monterey County” theme draws upon the environment that makes Monterey County unique; the mountains, agriculture, vineyards, and the sea. A mountains to sea color palette was selected to highlight these assets. The signage family provides guidance for implementing a cohesive county-wide sign system while providing flexibility for local jurisdictions to choose wayfinding elements that fit within the local community context. The family also provides opportunities to incorporate City names and logos on sign elements.



FONTS

Direction Sign Typography

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

HIGHWAY GOTHIC

Kiosk Typography

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

HIGHWAY GOTHIC EXPANDED

Kiosk Destination Distance Typography

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

UNIVERS LT STD 59 ULTRA CONDENSED

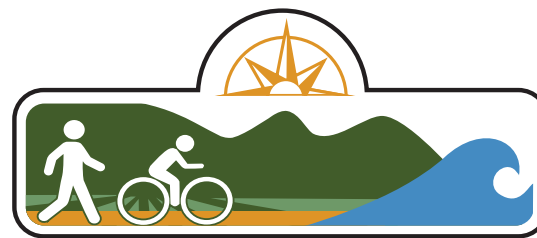
COLORS

	C=11 M=46 Y=99 K=1
	C=61 M=24 Y=72 K=4
	C=72 M=42 Y=100 K=35
	C=63 M=27 Y=0 K=0
	C=88 M=59 Y=22 K=4

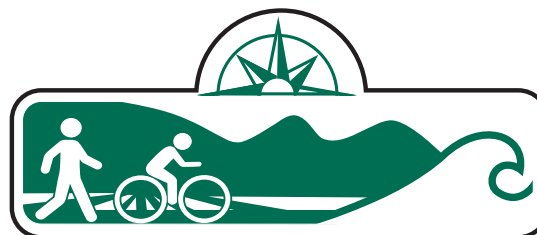
Sign faces to be retroflective for low light and nighttime visibility.

ARTWORK

Sign Topper Design



COLOR



GREEN/WHITE

Kiosk Topper Design



KIOSK OPTION 1



KIOSK OPTION 2

Compass Design



COLOR



GREEN/WHITE



LASER CUT

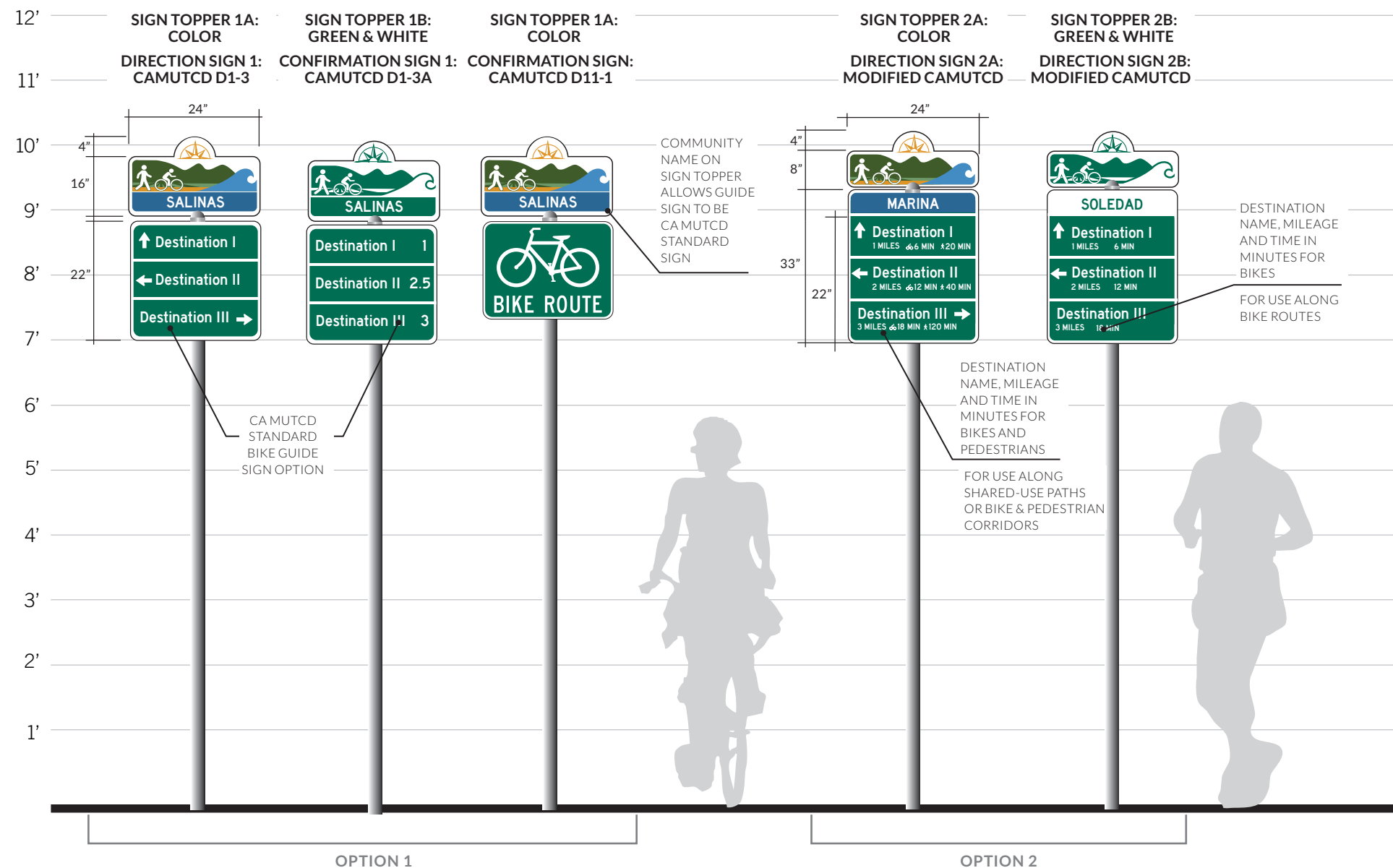
Font: Segoe Script

2 WAYFINDING SIGNS

Direction Signs and Confirmation Signs

The concepts below provide modular components to provide flexibility for the various jurisdictions in the County while maintaining consistency along County routes. Two sign topper designs have options for a full color or a green and white topper. Direction and confirmation sign “1” uses CAMUTCD standard bike guide sign plaques. Direction signs “2A” and “2B” use a modified CAMUTCD guide sign where city name, distance, and travel time to destinations is provided.

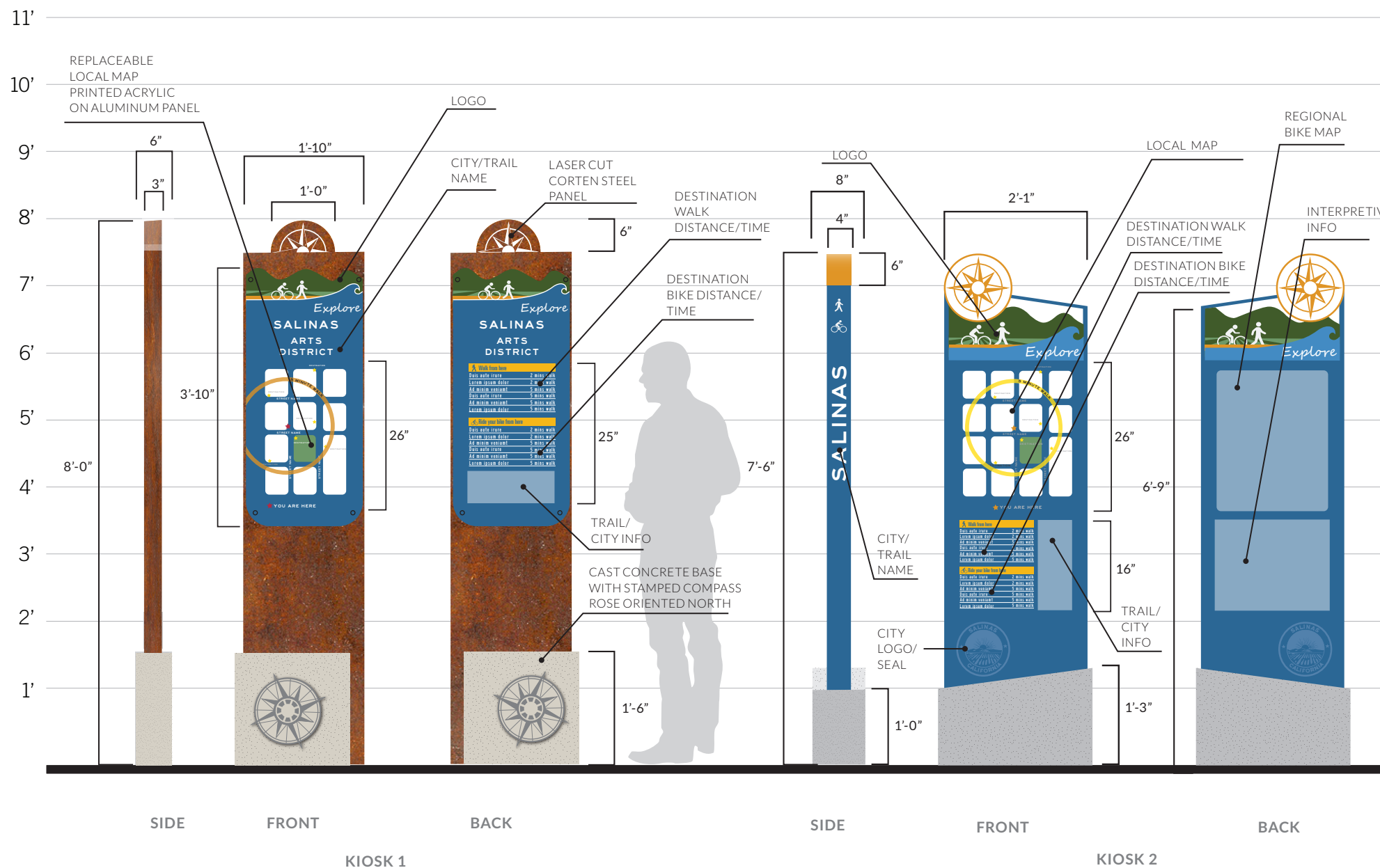
Description
<p>Destination signs inform people riding bikes or walking of the designated regional route to access key destinations. The signs mark the junction of two or more regional bikeways or pedestrian routes. Each sign has space for a maximum of three destinations. Travel times for bicycles and pedestrians are optional but recommended.</p> <p>Confirmation signs indicate to people walking and riding bikes that they are on a designated County Route.</p>
Placement
<p>Direction signs are to be placed on the near-side of intersections in advance of a junction with another bicycle or pedestrian route. They can also be placed along a route to indicate a nearby destination.</p> <p>Sign toppers can be placed along a route to provide supporting confirmation to users that they are on a County route.</p> <p>Confirmation sign 1 (D1-3) can be used in conjunction with Direction sign 1 (D1-3A).</p>
Sign Details
<ul style="list-style-type: none"> • All signs are 2' wide with bottom of sign 7' from the ground. • Destination text to be 2" minimum height and distance letter height to be 1.25" minimum height. • All lettering and symbols to be retroreflective. • Aluminum sign panel, 1/4" corner radius, typical. • Front of sign to be screened, all exposed surfaces to be painted. • A casual pace travel time of 6 minutes per mile (10 mph) should be used for bicyclist time estimates and 20 minutes per mile (3 mph) for pedestrian time estimates.



2 WAYFINDING SIGNS

Pedestrian Kiosk

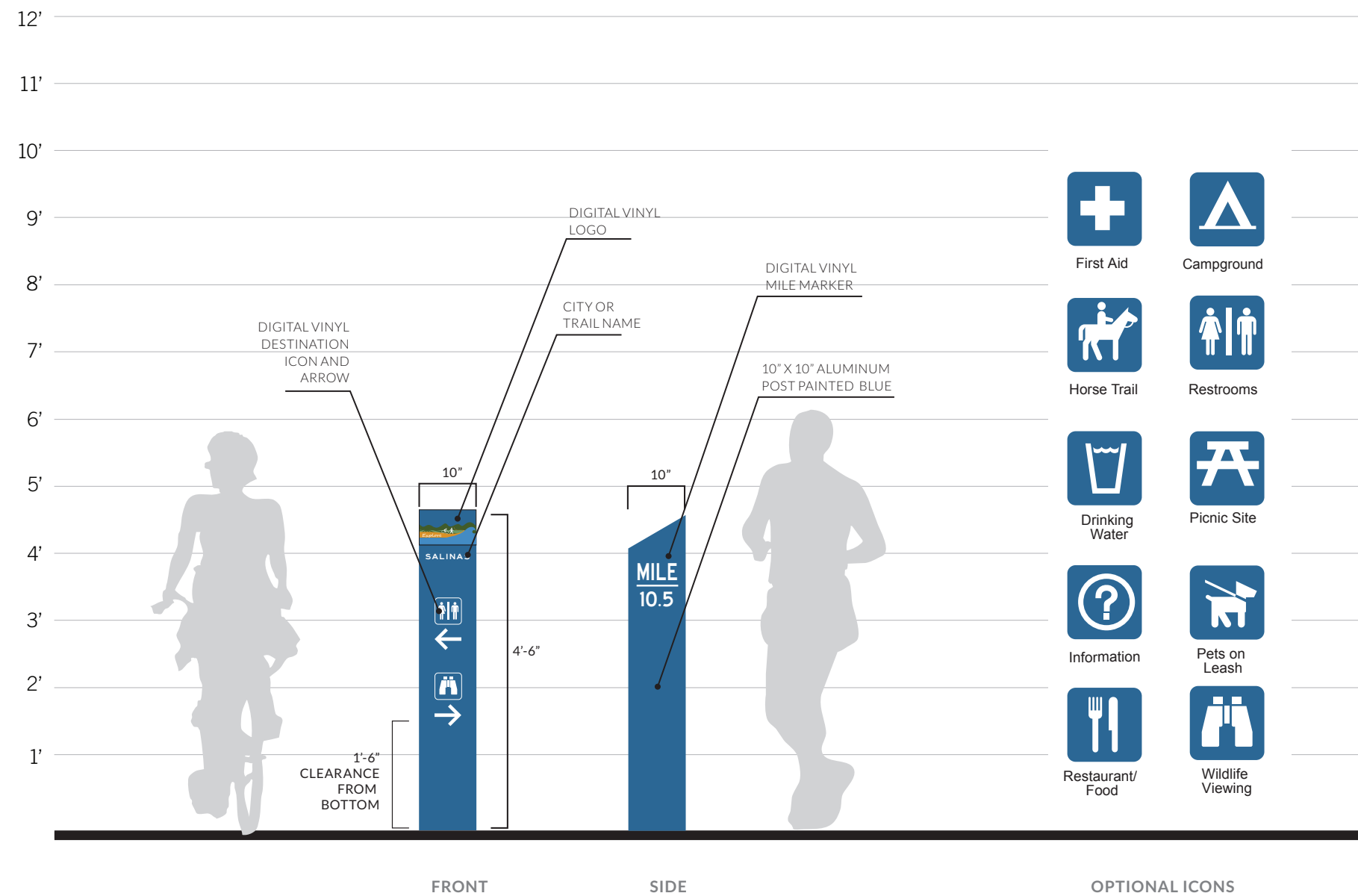
Two kiosk options showcase the look of corten steel (or faux corten steel finish) and painted aluminum. Jurisdictions can select the preferred material based on the proposed location of the kiosk.



Description			
<p>Pedestrian Kiosks are freestanding two-sided information displays that orient users to Monterey County’s regional bicycle and pedestrian routes. Kiosks provide regional and local maps, destinations, rules of use, and safety information. A detailed map should show the local district or trail, indicating “you are here”, highlight major/minor access points, landmarks, restrooms and other trail and on-street bikeway networks.</p> <p>The kiosk could provide additional information on local destinations within a 5 minute ride or 10 minute walk from the current location. The kiosk is also an opportunity to illustrate ecological, historical or cultural interpretive information of the local area.</p>			
Placement			
<p>Kiosks can be located at trailheads, trail access points and selected public gathering spaces. The Kiosk should be setback from the path a minimum of 3 feet to provide space for people to read and consider the information without blocking the trail. A minimum of 3 feet should also be provided for each side of the mapboard per accessibility guidelines.</p>			
Sign Details			
Design material options available for the Kiosks detailed below:			
	Corten Steel	Faux Corten Steel Finish	Painted Aluminum
PROS	<ul style="list-style-type: none"> Strong, durable material. Capable of conveying a warm, natural feel as well as longevity and permanence Unique custom shapes possible Low maintenance 	<ul style="list-style-type: none"> Strong, durable material Lightweight Less expensive than corten 	<ul style="list-style-type: none"> Strong, durable material Lightweight Less expensive than corten Low maintenance
CONS	<ul style="list-style-type: none"> Unpredictable weathering process Rust may run and stain adjacent surfaces Visibility of cut-out style can be compromised depending on the background environment Highest cost 	<ul style="list-style-type: none"> Quality of faux finish may not compare to Corten 	<ul style="list-style-type: none"> Lacks warm, natural feel

2 WAYFINDING SIGNS

Pedestrian Directional Post



Description

Pedestrian directional posts provide en route reassurance of trail identity and inform users they are on the designated regional route. They display the “Explore Monterey County” brand and trail name. The pedestrian directional posts also provide space for supplemental directional arrows to help users stay on the identified regional route.

Pedestrian directional posts can also serve as mile markers. Mile markers are a small feature with large significance and are an important element of wayfinding along pathways. They allow users to track how far they have traveled and help people put their location in context by matching the marker to a map. Most trail users identify strongly with distance from home, distance from their favorite place, or simply with knowing a certain location based on its relationship to a mile point.

Knowing one’s location on a trail is critical to assisting emergency responders trying to locate a person in distress. Mile markers could also be provided as a pavement marking.

Placement

Place pedestrian directional posts at minor pathway access points, intersections with other trails or when a direction sign is not used and at locations where the route is not explicit. Mile markers should be located at half to two mile intervals along the corridor.

Sign Details

- Painted Aluminum with digital vinyl icons and lettering

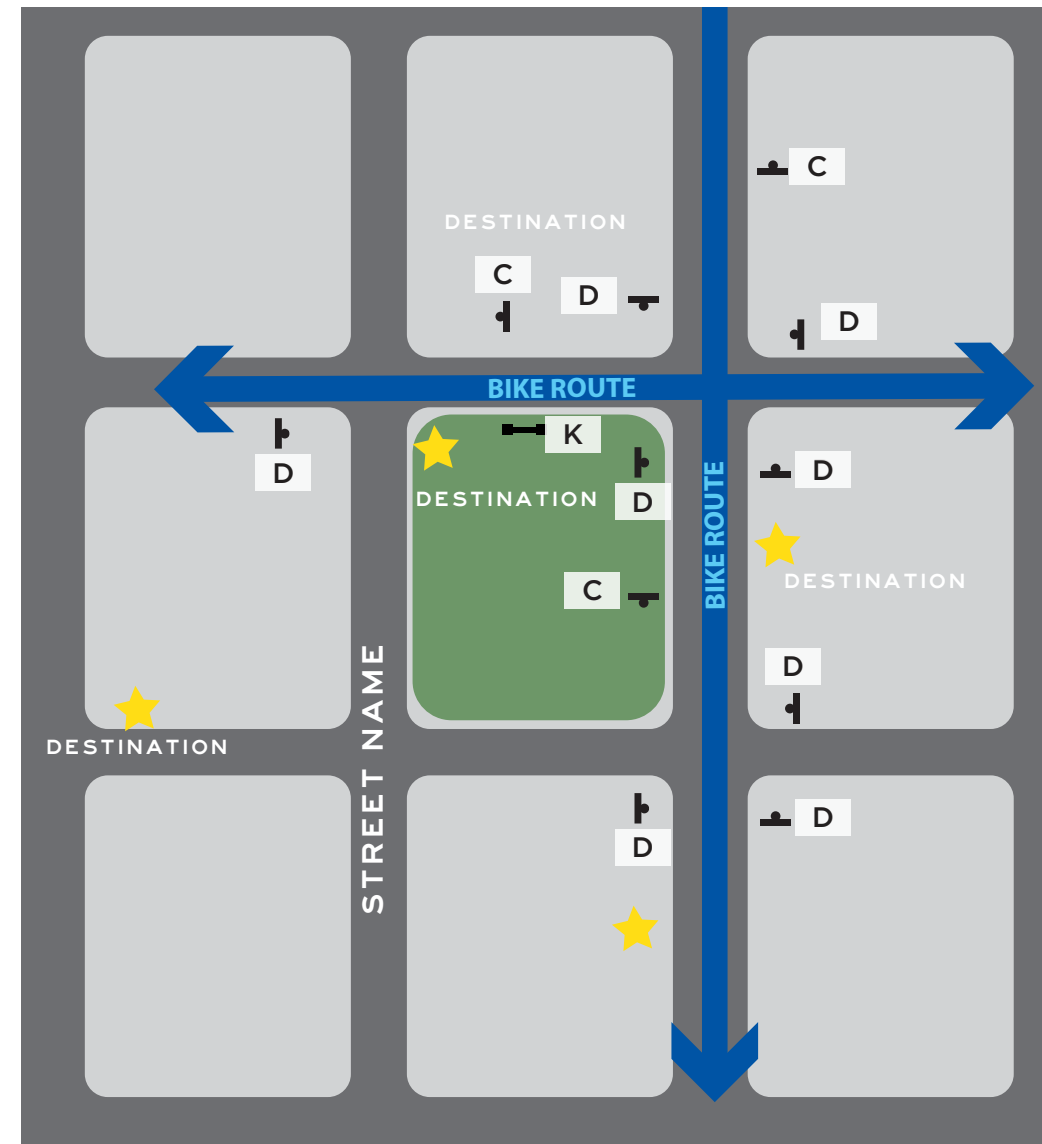
Sign Placement

The Monterey County wayfinding elements should be located in a consistent manner across all jurisdictions. The following diagrams represent typical sign placement scenarios seen throughout Monterey County.

- Downtown Pedestrian / Bike Route Intersection
- On-Street Bike Route
- On-Street Shared-Use Path Connection
- Shared-Use Path Intersection

Per both the CA MUTCD and the California Highway Design Manual, the nearest edge of any sign should be a minimum of two feet from the edge of the shared-use path, 3 feet preferred. The lowest sign edge shall be seven feet. Follow local agency design standards for on-street signs.

Downtown Pedestrian/Bike Route Intersection



K- Kiosk

In downtown pedestrian areas, kiosks should be placed in selected public gathering spaces along regional routes. It is an opportunity to display the Monterey County map and interpretive information.

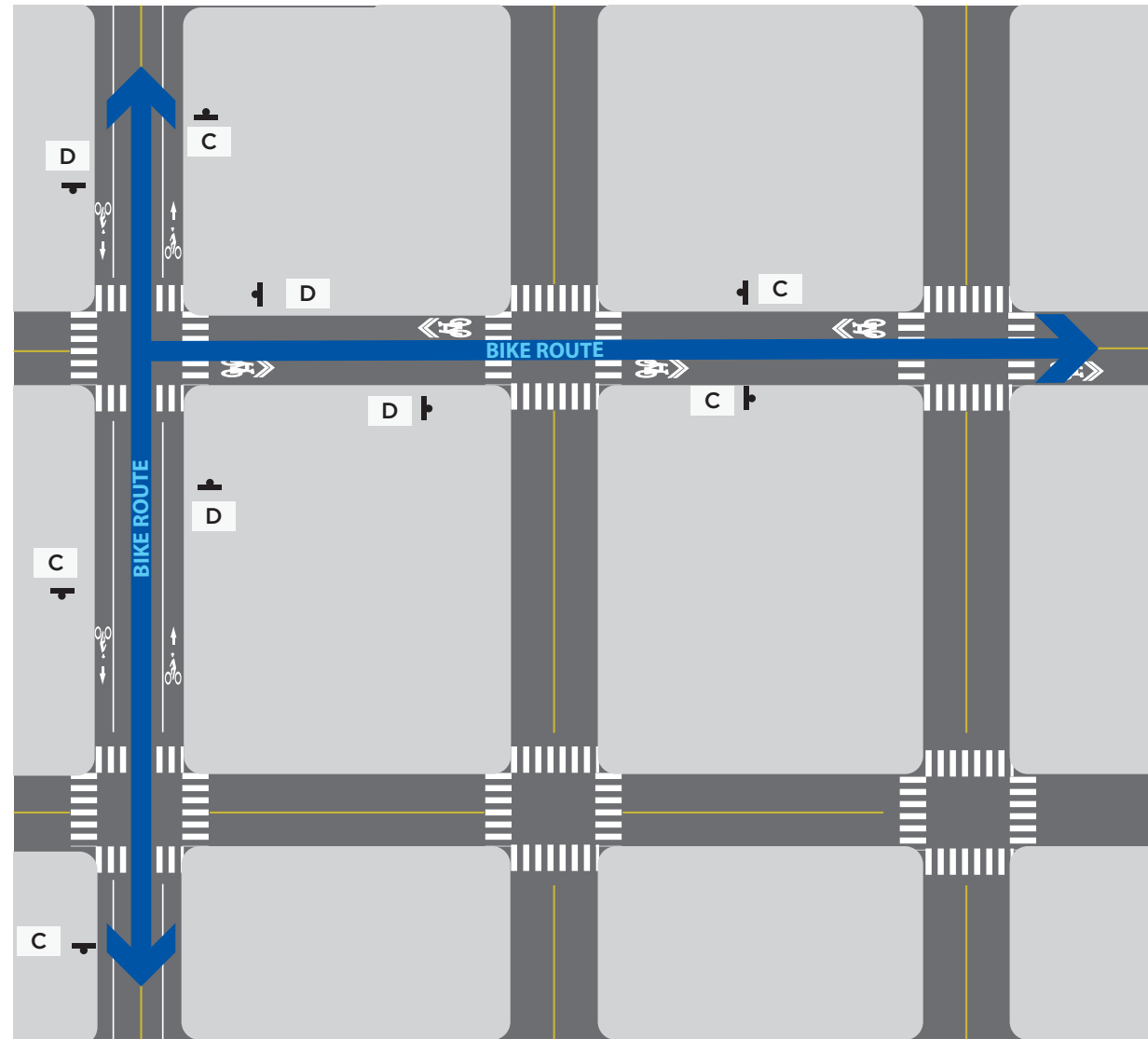
D- Direction Signs

Direction signs should be placed advance of turns to local destinations and services.

C- Confirmation Signs

Confirmation signs indicate to bicyclists that they are on a designated bikeway. They can be placed every 2 to 3 blocks along regional bike routes. They should be placed soon after turns to confirm the intended direction was taken. The “Explore Monterey County” sign topper can be used as a confirmation sign. Confirmation sign 1 (D1-3a) can be used in conjunction with direction sign 1 (D1-3).

On-Street Bike Route



D- Direction Signs

Direction signs should be placed in advance of turns to local destinations and services.

C- Confirmation Signs

Confirmation signs indicate to bicyclists that they are on a designated bikeway. They can be placed every 2 to 3 blocks along regional bike routes. They should be placed soon after turns to

The typical pattern for on-street wayfinding signs includes a direction sign prior to the intersection of route options, followed by an optional confirmation sign. The table below provides design and placement standards for the on-street bikeway sign types.

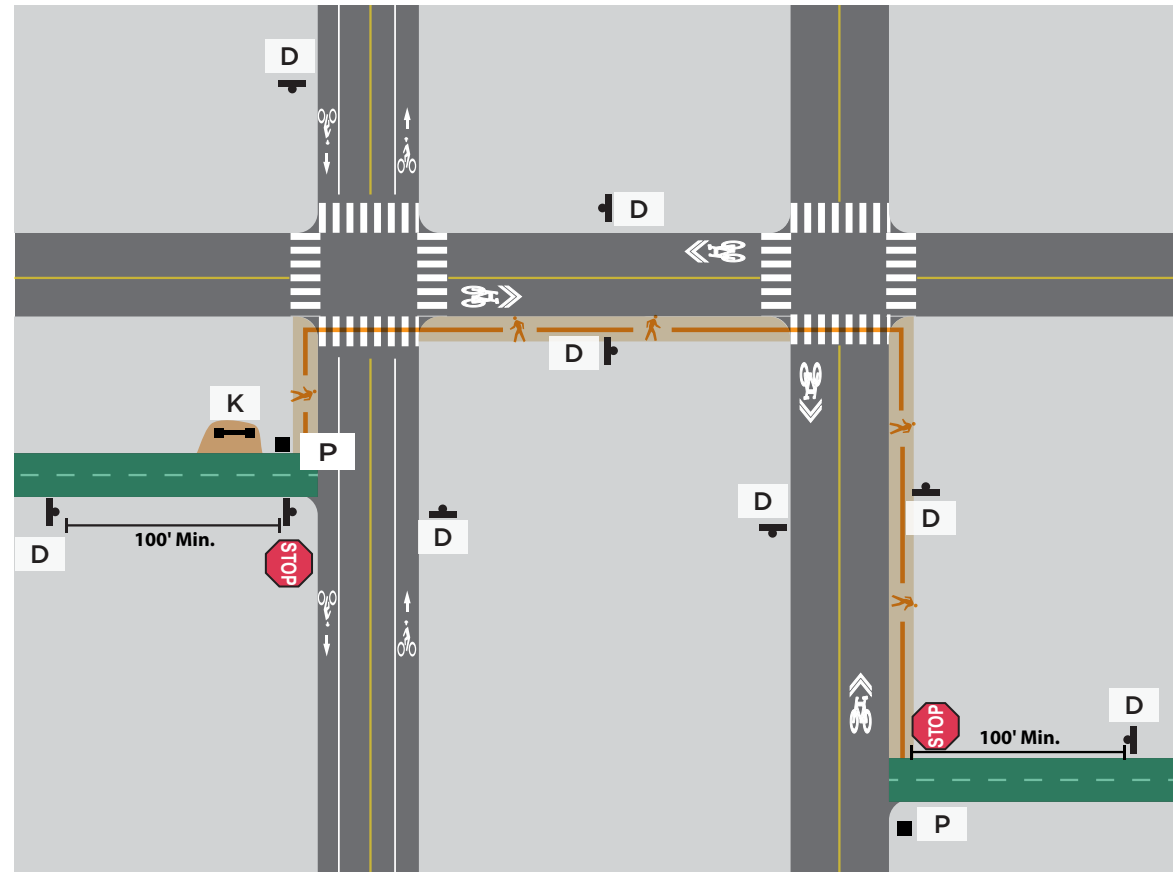
Type	Sign Type	Design Standards	Placement
Confirmation Sign	<ul style="list-style-type: none"> Explore Monterey County Sign Topper Monterey County Confirmation Sign 1: CA MUTCD D1-3a (destinations with mileage) 	<ul style="list-style-type: none"> Opportunities to add Explore Monterey County sign topper to existing bike and pedestrian signs where appropriate. 	<ul style="list-style-type: none"> One sign per ¼ directional mile (mid-block) and at the far side of key intersections
Decision Signs	<ul style="list-style-type: none"> Direction Sign 1: CAMUTCD D1-3 (destinations with arrow) Monterey County Direction Sign 2A and 2B: Modified CAMUTCD 	<ul style="list-style-type: none"> Maximum of three destinations per plaque Destinations shall use upper case and lower case letters For destination names that do not fit on one line abbreviations or two-line entry may be used Destinations shall be listed by closest proximity to the sign placement Left and straight arrows shall be aligned left on the sign; right arrows shall be aligned to the right 	<ul style="list-style-type: none"> Signs should be placed the at the following distances before an intersection depending on the number of lanes a bicyclist must travel across in order to initiate a legal left turn: <ul style="list-style-type: none"> 25 feet before a zero lane merge 100 feet before a one lane merge 200 feet before a two lane merge

confirm the intended direction was taken. The “Explore Monterey County” sign topper can be used as a confirmation sign. Confirmation sign 1 (D1-3a) can be used in conjunction with direction sign 1 (D1-3).

**Refer to California MUTCD Chapter 9B for current setback requirements for signs from intersections.*

3 SIGN PLACEMENT

On-Street Shared-Use Path Connection



K- Kiosk

Place kiosks at access points of shared-use paths. It is an opportunity to display the Monterey County map and interpretive information.

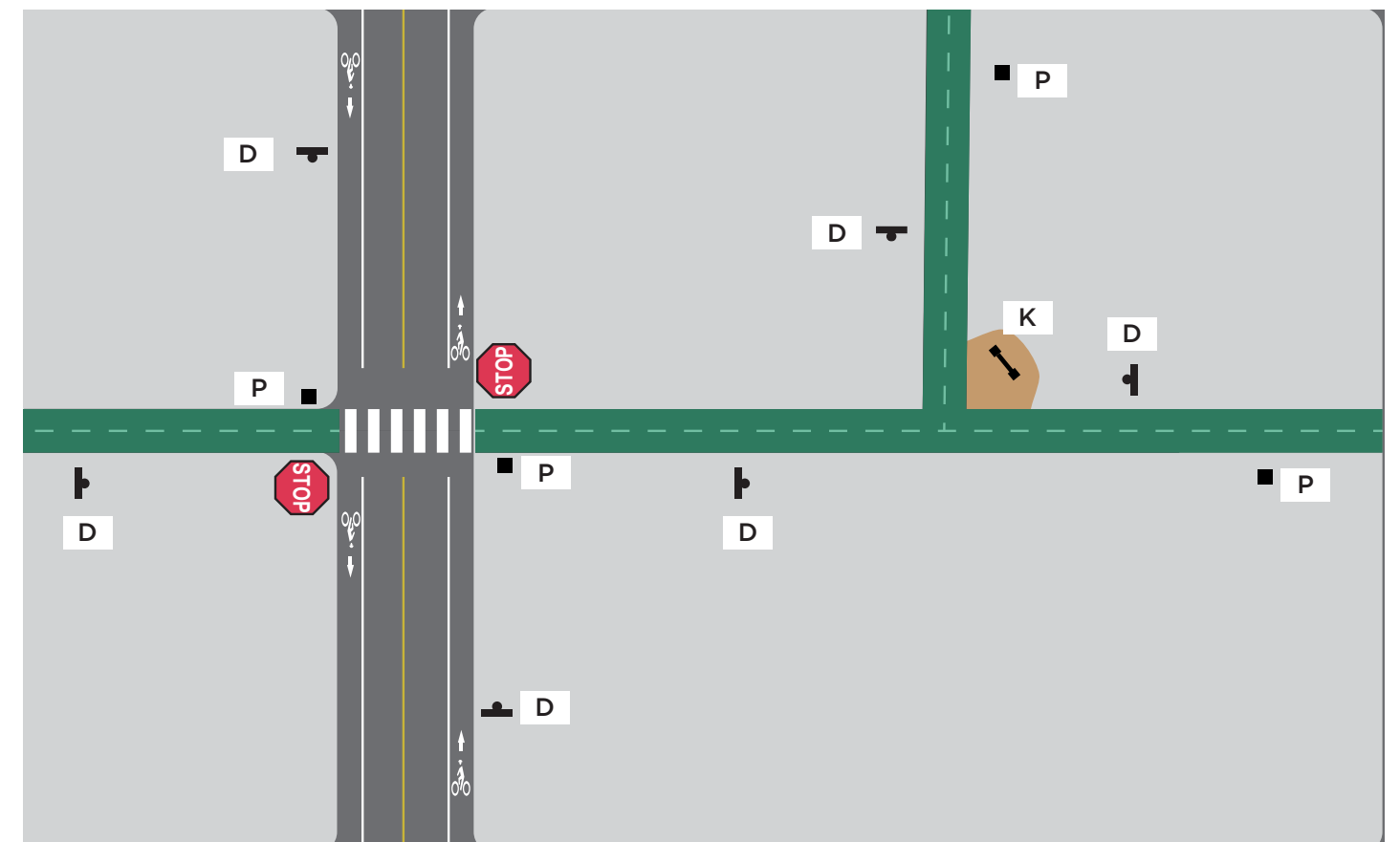
D- Direction Signs

Direction signs should be placed advance of turns to local destinations and services.

P- Pedestrian Directional Post

Posts reinforce the identity and direction along a shared-use path.

Shared-Use Path Intersection



K- Kiosk

Place kiosks at the intersection of connecting shared-use paths. It is an opportunity to display the Monterey County map and interpretive information.

D- Direction Signs

Direction signs should be placed advance of turns to local destinations and services.

P- Pedestrian Directional Post

Posts reinforce the identity and direction along a shared-use path.

4 COST ESTIMATES

Destination Sign
Option 1A



Topper Only
\$68.00

Sign Face Only
\$90.00

Total Sign Only
\$158.00

Destination Sign
Option 1B



Topper Only
\$64.00

Sign Face Only
\$90.00

Total Sign Only
\$154.00

Destination Sign
Option 2A



Topper Only
\$58.00

Sign Face Only
\$105.00

Total Sign Only
\$163.00

Destination Sign
Option 2B



Topper Only
\$56.00

Sign Face Only
\$101.00

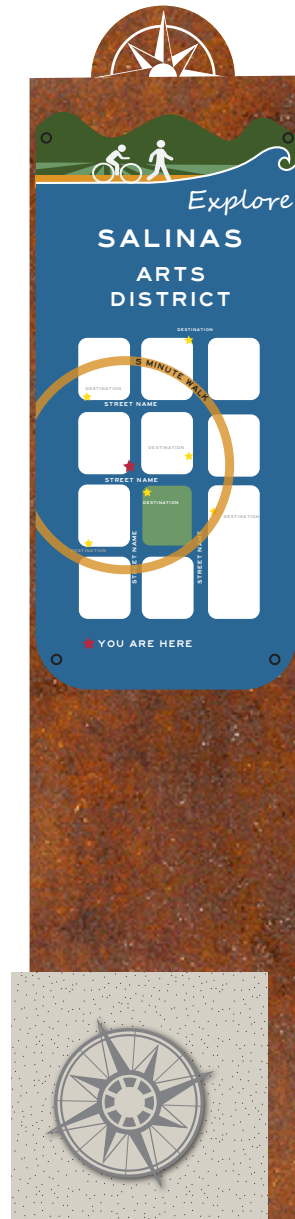
Total Sign Only
\$157.00

Note: This total does not include costs for installation. Installation cost will vary depending on pole hardware, need for concrete footer and use of a third-party contractor or local jurisdiction staff.

April 2016 cost estimate provided by AD/S COMPANIES www.ad-s.com

4 COST ESTIMATES

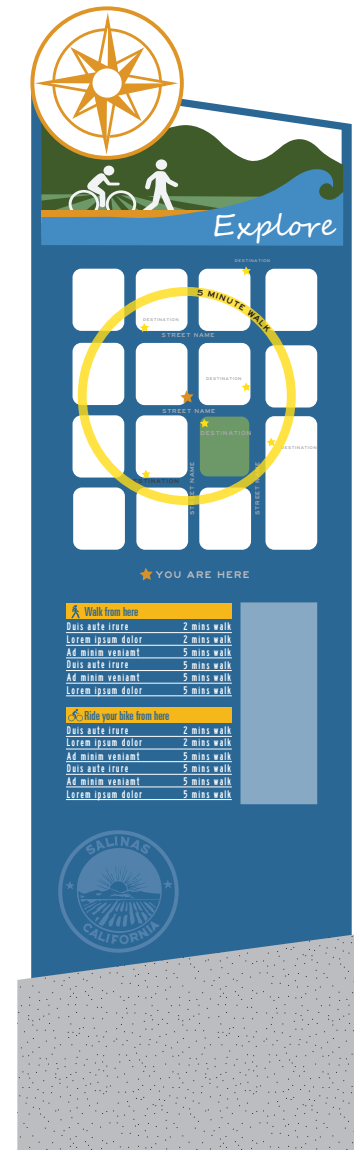
Kiosk Option 1



Corten Steel
\$6,850.00

Faux Corten Steel
\$5,700.00

Kiosk Option 2



Total Cost
\$6,350.00

Pedestrian Directional Post



Total Cost
\$2,350.00

Note: Singular item pricing.

April 2016 cost estimate provided by AD/S COMPANIES www.ad-s.com