

STANDARD DESIGN FEATURES

All environmental graphics share common design features such as the terminology for the “LA River”, the heron logo and icon, the use of open-source Barlow font, and the recommended high contrast background to text color ratio. Accessibility, legibility, and compliance with the American with Disabilities Act (ADA) are baseline criteria to be followed by environmental graphics. Further, symbols for amenities or trails should be consistent across all environmental graphics, and should be an MUTCD symbol if one exists for the amenity depicted.

ACCESSIBILITY

Various best practices guide the suite of environmental graphics to make them legible and meaningful to all users along the LA River. It is important to consider the design of multi-modal environmental graphics. Designs that engage only one sense, such as sight, limit the audience’s experience. Best practices for accessible design consider the ranges of eyesight, hearing, touch, and cognition, for example, difficulty with distinguishing sounds from background noises or difficulty focusing or staying on task. The inclusion of braille or audio components to environmental graphics is encouraged and should be considered on a project by project basis.

Americans with Disabilities Act (ADA) Sign Guidelines

ADA requirements generally apply to environmental graphics along routes that are designated as a path of travel. It is important to reference the latest ADA requirements as they are updated over time.

ADA requirements for the minimum type size on a sign are determined by how high the sign is hung off the ground and how close a viewer can approach and read it. For example, if a sign is hung between 40 inches and 70 inches off the ground, and the viewer can approach within six feet of it, the minimum size of the type, which is based on the height of a capital letter “I”, should be 5/8 inch. For every additional foot beyond six feet that a viewer cannot approach the sign, the size of the font needs to increase by 1/8 inch. Visual characters should not be any lower than 40 inches from the ground. ADA requirements for single or double posts for freestanding signs depends on the placement of the sign

along a path of travel, the height it is hung, and the amount the sign overhangs each post. For example, a sign that has overhangs a single post more than 12 inches should have two posts and be hung a maximum of 27 inches or a minimum of 80 inches off the ground.¹⁶ Always check the latest requirements.

Contrast and Color

Many individuals experience color differently, and the least variance in human perception of color is in tonal contrast. Maintaining sufficient tonal contrast is important for accessible communication of information in environmental graphics.¹⁷ See page 103 for the required background color (to be used against white) and for the recommended contrast ratio.

Language

The LA River travels through many diverse neighborhoods. Primary languages spoken by adjacent neighborhoods must be considered when creating bilingual environmental graphics. Languages such as, but not limited to, Spanish, Chinese, Khmer, Tagalog, Russian, or Korean are all examples of languages that can be used for translations of environmental graphics. Symbols and clear graphic design can also be used for communication without the need for translations. The following should be considered for bilingual signs:

- In order to better differentiate between different languages on the same sign, varying text weights is recommended. In some cases, English text will appear in bold, with the translated text at a thinner font weight either next to or below the English text. This will help the viewer to more easily and quickly digest the content that is intended for them.
- Translated text should appear in the same font and color of the English text. Where non-Latin fonts are used, choose a font that is clear and simple with no serif or no stylistic modifications (Google Noto Fonts is recommended and available for free in over 75 non-Latin languages)
- Translations should be proofread by native speakers of the language and/or community members before use.

CHARACTER HEIGHT REQUIREMENTS

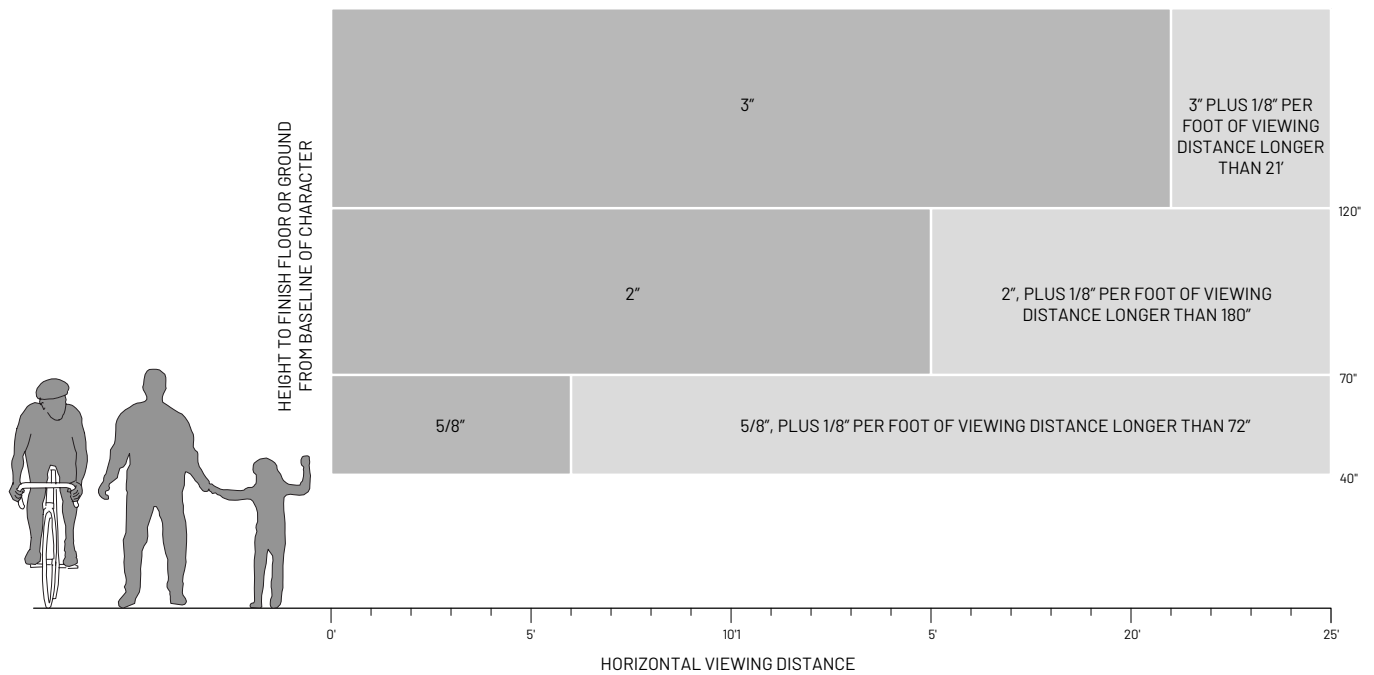


Figure 57. Character height required for ADA accessibility is based on horizontal viewing distance. Designers should check the latest ADA standards for updates. Source: Standards from U.S. Department of Justice. (2010). 2010 ADA Standards for Accessible Design. Washington, DC: U.S. Department of Justice.

SIGN POST REQUIREMENTS FOR OVERHANG ON CIRCULATION PATHS

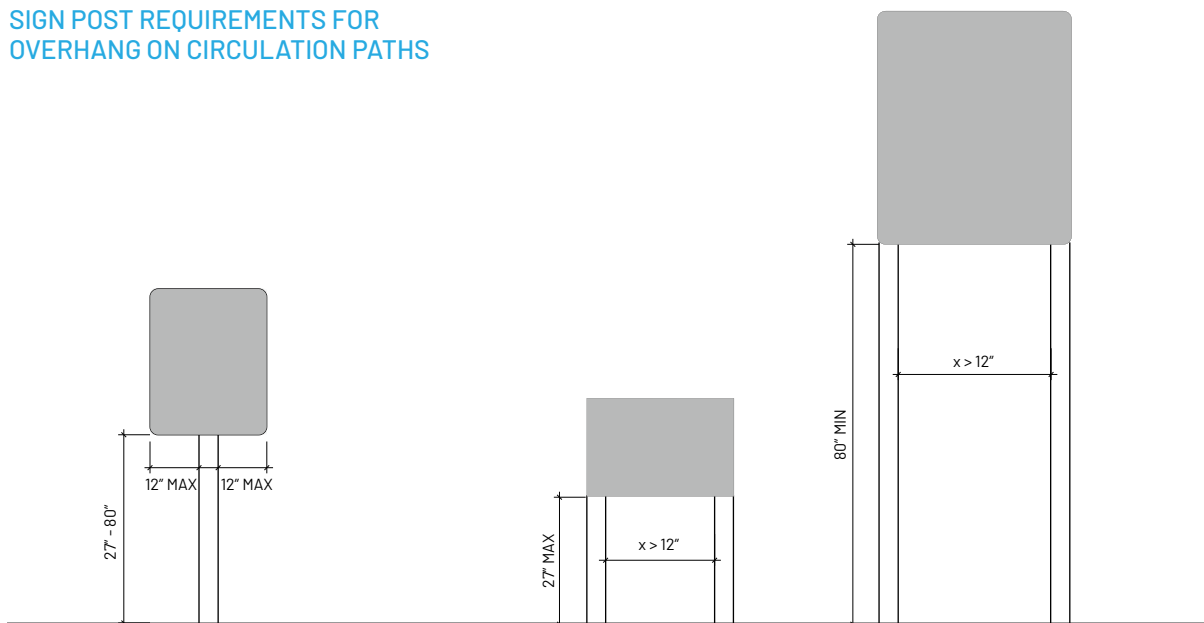


Figure 58. Single or double posts are required for signs directly overhanging on circulation paths depending on the height they are hung and the amount of sign protruding beyond the post. Designers should check the latest ADA standards for updates. Source: Standards from U.S. Department of Justice. (2010). 2010 ADA Standards for Accessible Design. Washington, DC: U.S. Department of Justice.

- Translations should always appear on the same sign as the English text.
- Where feasible, use standardized or universal symbols to communicate without the need for text translations.

Symbols

For consistency, symbols for trail use or other amenities should follow the symbols used Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD). Reference the latest MUTCD documents as updates are incorporated over time. In cases where the symbol needed is not available from MUTCD, a new symbol can be designed but should be similar in style and weight as MUTCD symbols.

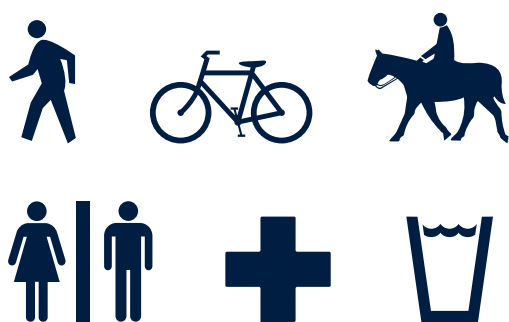


Figure 59. Manual on Uniform Traffic Control Devices (MUTCD) symbols, such as the ones for pedestrians, cyclists, equestrians, restrooms, first aid, and drinking water, should be used on signs where possible. Source: 2009 MUTCD Edition with Revisions 1 and 2, 2012.



Figure 60. The heron icon should be used when a logo for the LA River is needed, such as on a sign. Source: Edited for the LA River Master Plan, 2020 from the LA River Sign Guidelines, 2003.

Icon and Logo

To reinforce an identity for the LA River, the heron graphic and icon should be used consistently. The icon of the heron on a riverbank within a circle should be used wherever a logo for the LA River is needed. This is useful when many logos are aligned in a row, or where there is limited space on a sign. The heron graphic is suited for large scale environmental graphics and other identifying environmental graphics, such as Informational Signs.

Additionally, the term "LA River" is to be used on all environmental graphics instead of "Los Angeles River" or "L.A. River".



Figure 62. When a symbol is needed that is not available from MUTCD, another symbol in a similar style and weight to MUTCD standards should be used. Examples include of symbols for gender-neutral restrooms, river crossings, a river confluence, and wetlands. Source: (Left) Title 24 of the California Code of Regulations, California Building Code, 2016; all other symbols River LA.



Figure 63. The heron graphic should be used for large scale environmental graphics or other identifying environmental graphics. Source: LA River Master Plan, 2020.

LA RIVER

Figure 61. The terminology and font on all environmental graphics should be "LA River" in Barlow.

Font

All fonts to be used in the LA River Environmental Graphics should be Barlow, an open-source font. Exceptions are allowed for large scale icon graphics and other artwork. While Barlow does offer a wide range of different styles, semi-bold through black thicknesses offer the easiest readability and are the recommended styles.

Colors

White and Pantone 282 C are the primary colors of all signage and environmental graphics in the LA River guidelines. The color contrast between the selected blue and white is 16:1, well above the suggested minimum of 7:1. Color matching of Pantone 282 C across all fabrication is the responsibility of the fabricator, and is important to maintain consistency through the whole suite.

BARLOW STYLES

THIN

THIN ITALIC

EXTRA-LIGHT

EXTRA-LIGHT ITALIC

LIGHT

LIGHT ITALIC

REGULAR

REGULAR ITALIC

MEDIUM

MEDIUM ITALIC

SEMI-BOLD

SEMI-BOLD ITALIC

BOLD

BOLD ITALIC

EXTRA-BOLD

EXTRA-BOLD ITALIC

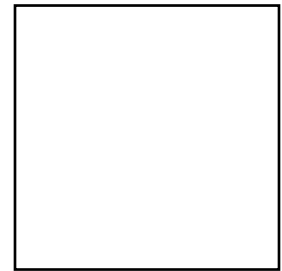
BLACK

BLACK ITALIC

PANTONE 282 C



WHITE



STANDARD FEATURES OVERVIEW

- Background Color: Pantone 282 C and white
- Font: Barlow
- Contrast Ratio: 7:1 minimum
- Heron: Use required icon for logos. Use required graphic for other environmental graphics
- Symbols: Use MUTCD symbols where one exists
- Nomenclature: Always use "LA River"

Figure 64. Barlow is an open-source typeface designed by Jeremy Tribby and is available from Google Fonts. "Semi-bold" through "black" thicknesses are recommended for environmental graphics intended to be read from a distance or while traveling at a fast speed.

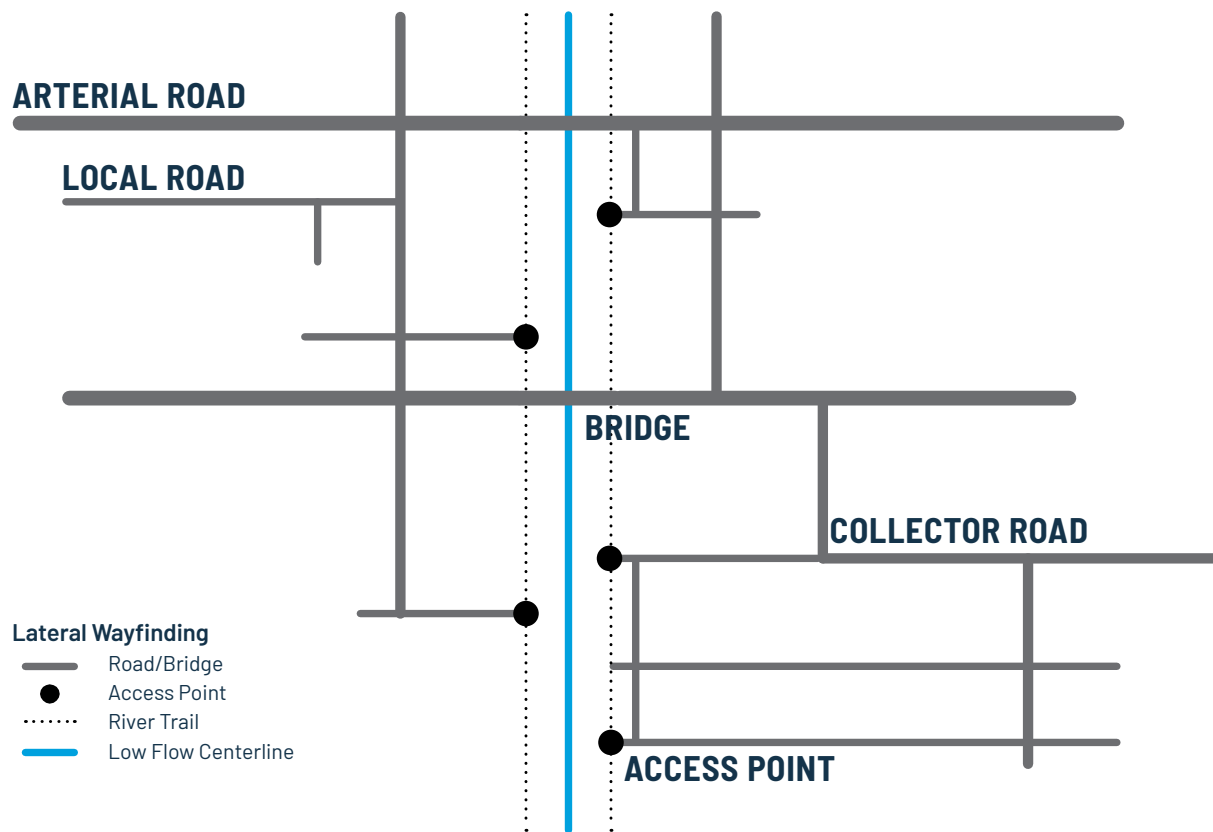


Figure 65. The approach to the placement and sequence of environmental graphics depends on the context and expected volume and speed of users passing by. The diagram above shows an abstraction of different contexts for environmental graphics leading to and along the LA River. Example scenarios are depicted on the pages that follow.

SEQUENCE AND PLACEMENT OF ENVIRONMENTAL GRAPHICS

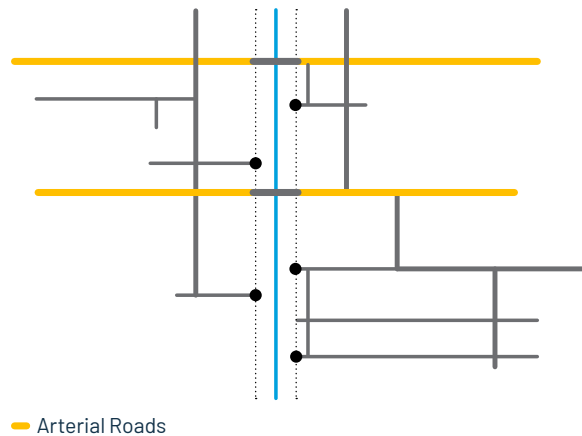
Lateral wayfinding is crucial in showing users how to navigate to the LA River, and clear placement of signs at gateways and along the trail notify users without being overwhelming. The vignettes on the following pages show examples of environmental graphics sequence and placement in typical contexts leading to and along the river. Directional environmental graphics should be placed so they are visible to pedestrians, bicyclists, those in vehicles, and equestrians where appropriate. These environmental graphics should be placed along a safe route that directs pedestrians and cyclists to the nearest access point. Informational, regulatory, and other categories of signage should be placed in a clear manner at access points and along trails to avoid sign clutter.



Figure 66. Environmental graphics along arterial roads should guide users across busy intersections.

ARTERIAL ROAD ENVIRONMENTAL GRAPHICS

- Per MUTCD*, do not place wayfinding along Freeways and Expressways.
- Per MUTCD*, do not place wayfinding in a location that competes visually with standard traffic signs.
- Use existing posts and traffic light posts where possible.
- At large pedestrian intersections, combine wayfinding with large totems at corners to avoid sign clutter.
- Apply Directional signs with existing bike lanes and pavement markings where applicable.
- Direct users to the nearest access point along a safe and accessible path.



— Arterial Roads

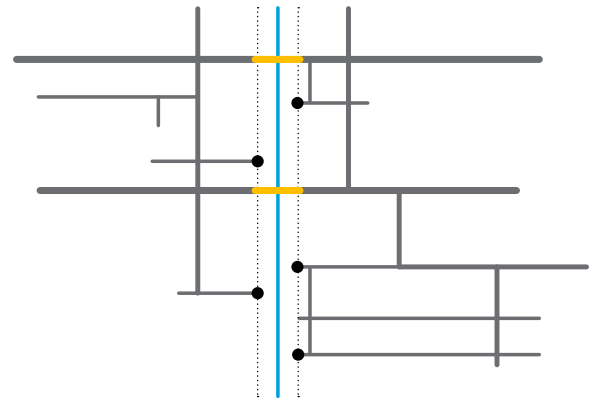
*Reference the most current MUTCD standards.



Figure 67. Environmental graphics along vehicular bridges alert drivers to the presence of the LA River.

BRIDGE ENVIRONMENTAL GRAPHICS

- Per MUTCD*, do not place wayfinding along Freeways and Expressways.
- Per MUTCD*, do not place wayfinding in a location that competes visually with standard traffic signs.
- Use existing posts and traffic light posts where possible.
- Apply Confirmation signs that the bridge is crossing the LA River, isolated from other traffic signs.



— Bridges

*Reference the most current MUTCD standards.

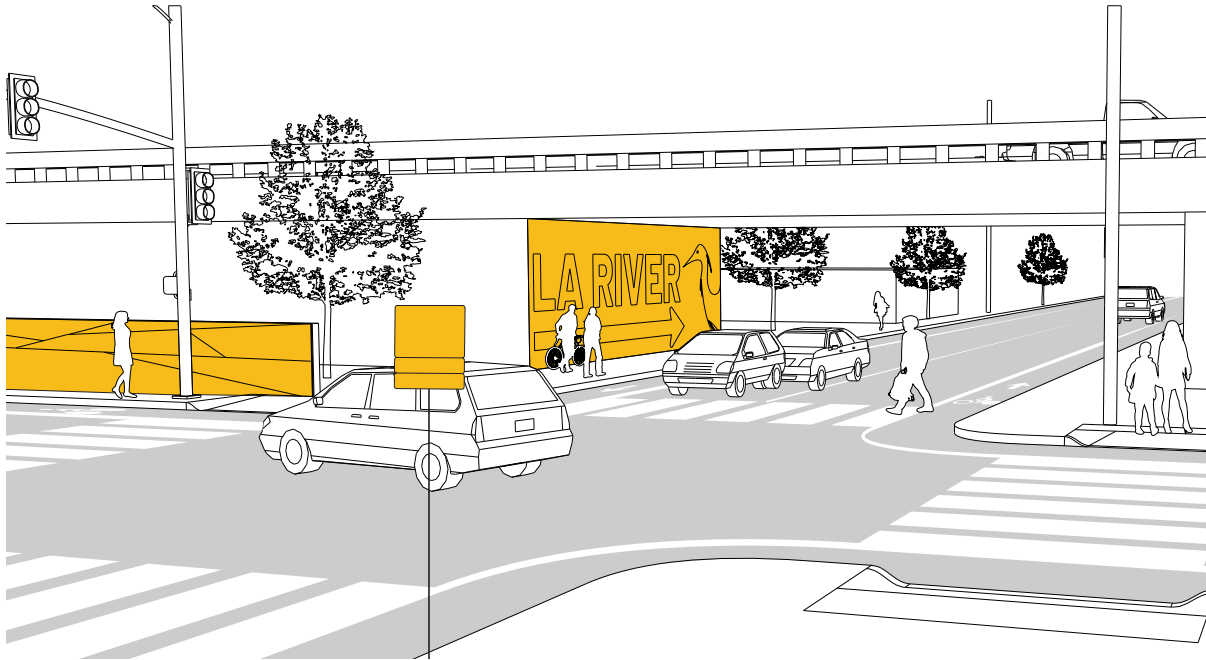
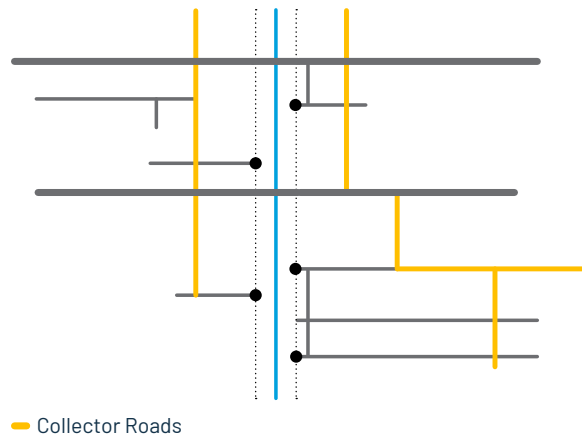


Figure 68. Environmental graphics along collector roads guide users towards the river and also allow for community expression.

COLLECTOR ROAD ENVIRONMENTAL GRAPHICS

- Per MUTCD*, do not place wayfinding along Freeways and Expressways.
- Per MUTCD*, do not place wayfinding in a location that competes visually with standard traffic signs.
- Use existing posts and traffic light posts where possible.
- At large pedestrian intersections, combine wayfinding with large totems at corners to avoid sign clutter.
- Apply Directional signs with existing bike lanes and pavement markings where applicable.
- Direct users to the nearest access point along a safe and accessible path.



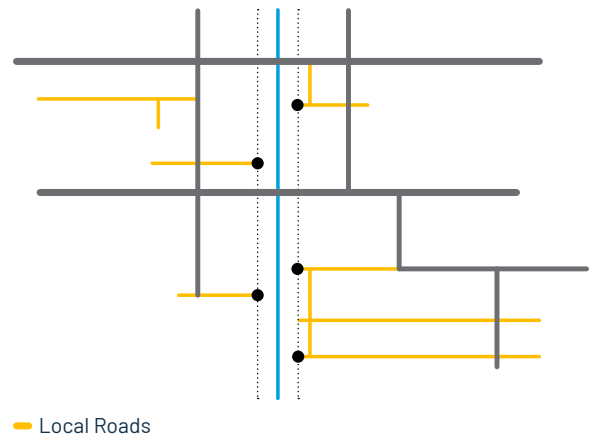
*Reference the most current MUTCD standards.



Figure 69. Environmental graphics along local roads guide users through residential areas.

LOCAL ROAD ENVIRONMENTAL GRAPHICS

- Per MUTCD*, do not place wayfinding along Freeways and Expressways.
- Per MUTCD*, do not place wayfinding in a location that competes visually with standard traffic signs.
- Use existing posts and traffic light posts where possible.
- Apply Directional signs with existing bike lanes and pavement markings where applicable.
- Direct users to the nearest access point along a safe and accessible path.
- Environmental graphics placement should be sensitive to context. In residential areas, place signs in the public right-of-way and minimize environmental graphics as needed.



*Reference the most current MUTCD standards.

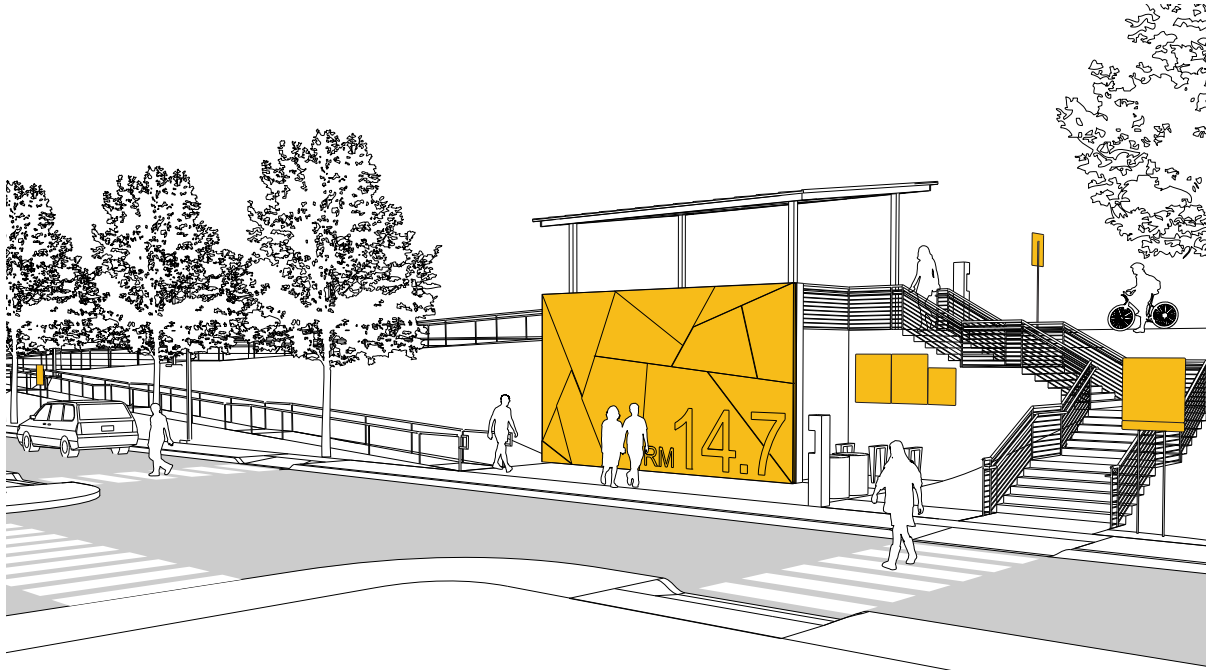
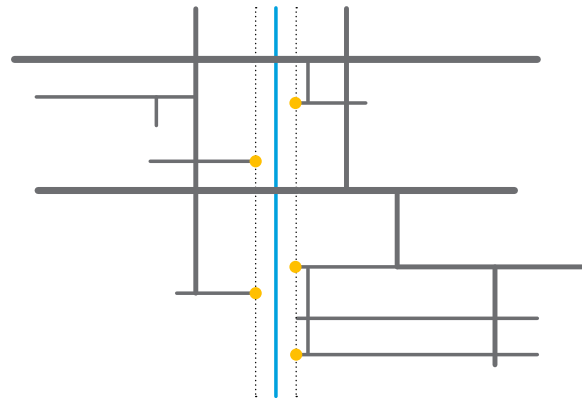


Figure 70. Environmental graphics at gateways should avoid sign clutter.

ACCESS POINT ENVIRONMENTAL GRAPHICS

- Place one informational sign at the main entry of each access point.
- Place Regulatory “Park Rules” sign further back, alongside River Pavilion, trail, or other amenities.
- Apply Regulatory warning and safety environmental graphics along channel at regular intervals.
- Use environmental graphics for neighborhood expression.
- Use existing posts where possible.



● Access Points

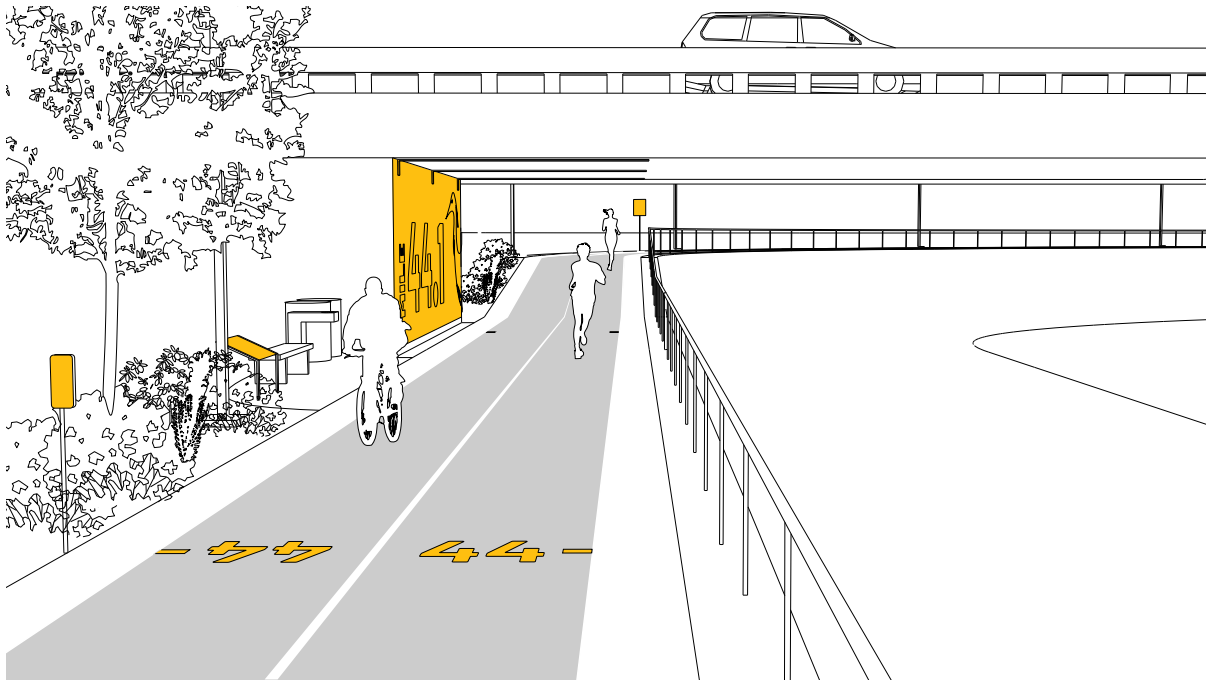
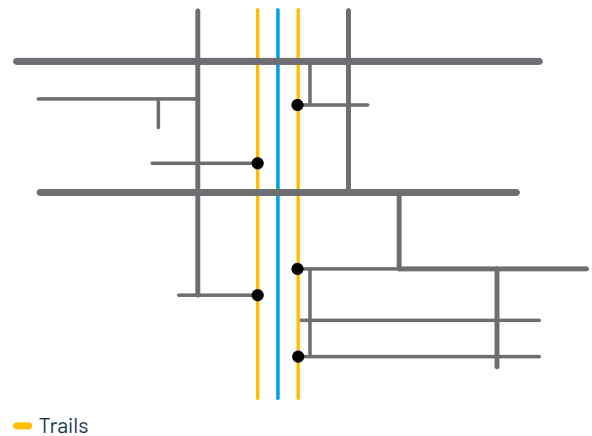


Figure 71. Environmental graphics along the LA River help locate and inform trail users.

TRAIL ENVIRONMENTAL GRAPHICS

- Place mile markers every .5 miles. Place pavement markings every mile with ticks every tenth of a mile.
- Place confirmation signs as needed along the trail (at least every two miles).
- Use environmental graphics for trail underpasses and bare walls along the trail.
- Use existing posts where possible.



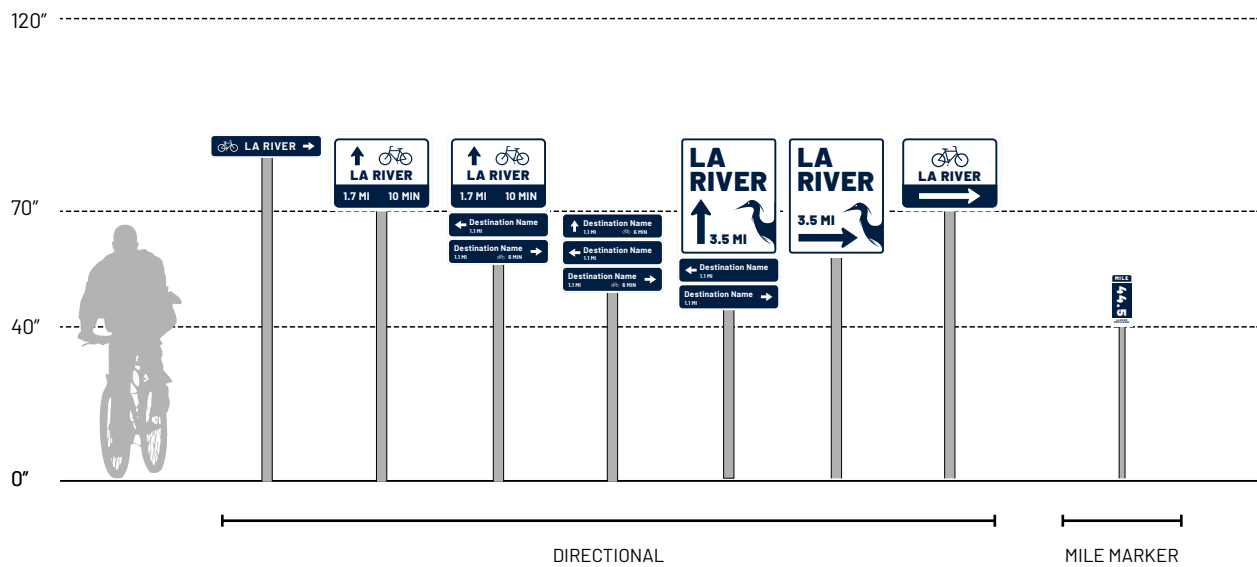
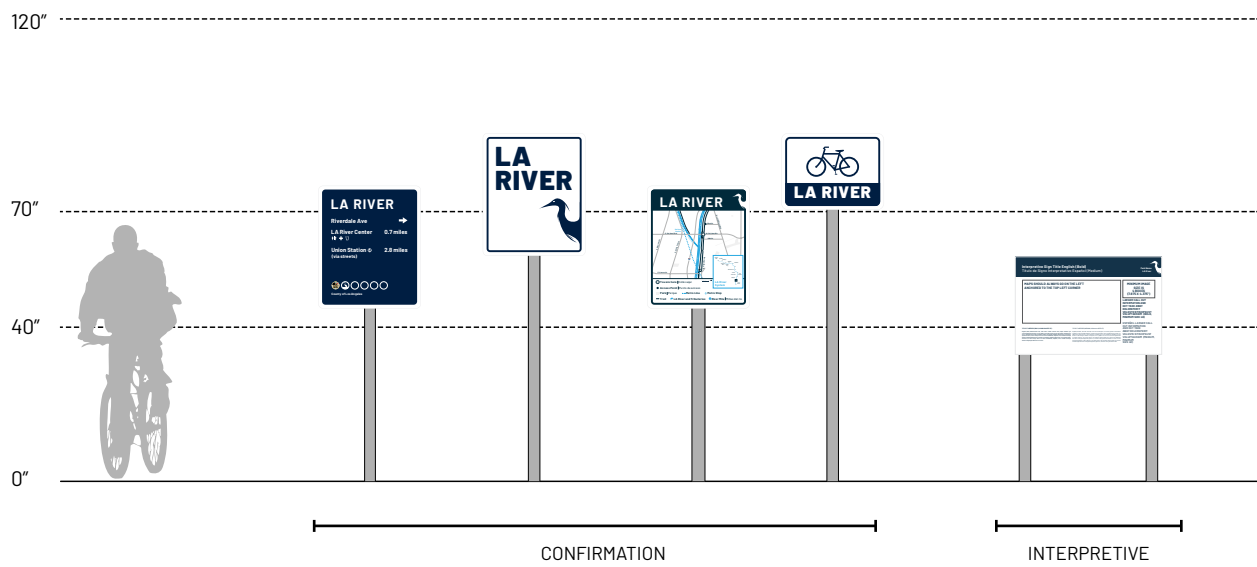
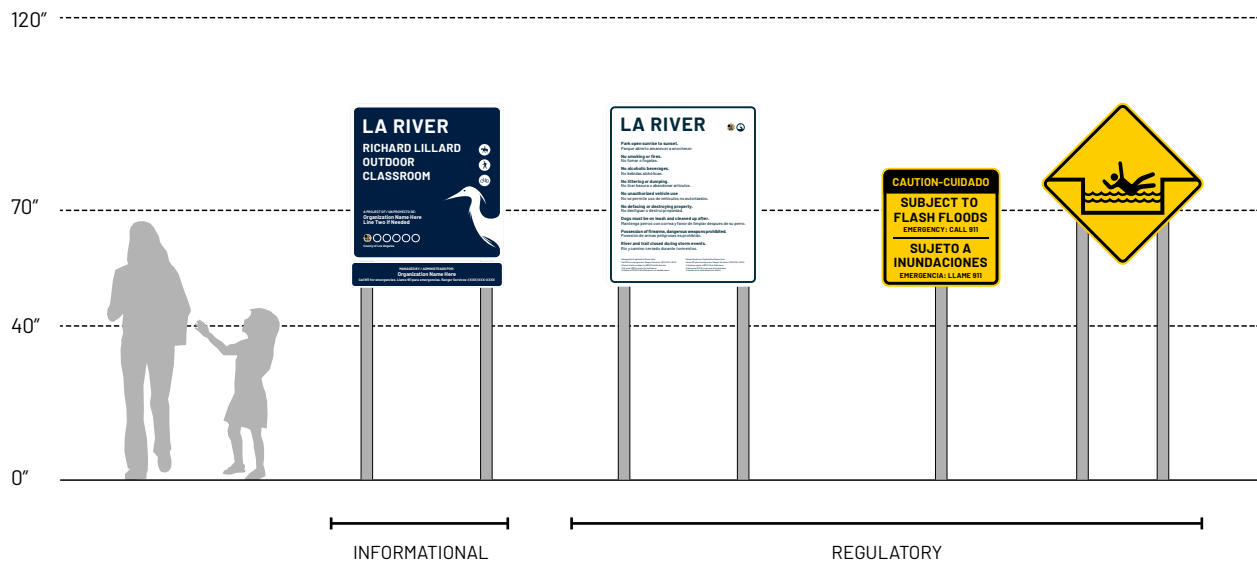


Figure 72. The suite of LA River environmental graphics includes signs leading to the LA River and signs within projects along the LA River.

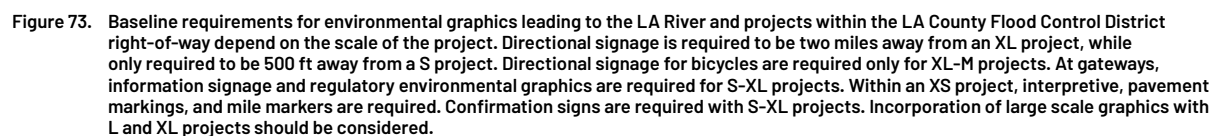
SUITE OF LA RIVER ENVIRONMENTAL GRAPHICS

The suite of LA River Environmental Graphics varies depending on the scale of the project. Projects range from XL, L, M, S, and XS as defined in the LA River 2020 Master Plan Update and in the Chapter 2 programming section in the Design Guidelines. The quantity of environmental graphics to be used leading up to and within the project grows with the intended size and impact. The diagram on the following page is important for consistency of environmental graphics for the LA River, since it will primarily be installed on a project by project basis. Further, the permitting matrix on page 103 outlines when certain categories of environmental graphics need to have certain criteria, such as font sized to ADA standards or references to Indigenuos Peoples place names.

There are eight categories of environmental graphics included in these guidelines.

- Informational (see page 118)
- Regulatory (see page 121)
- Confirmation (see page 126)
- Interpretive Signs and Displays (see page 131)
- Directional (see page 134)
- Mile Markers (see page 143)
- Pavement Markings (see page 143)
- Large Scale Icon Graphics (see page 147)

DISTANCE TO PROJECT
2 MILE



GATEWAY

WITHIN PROJECT

PROJECT IDENTITY + INFORMATION



DRAFT

PARAMETERS FOR APPLYING GUIDELINES

	INFORMATIONAL	REGULATORY	CONFIRMATION
ADA FONT SIZE Size to be determined by height of text off grade and viewing distance as outlined in the most current ADA standards	YES	Check requirements on a project by project basis	YES Exception is the trail map sign, which has text that is meant to be read up close
ADA FONT San serif font, capitalized as necessary per most current ADA standards - use open-source Barlow font	YES	YES	YES
CONTRAST Recommended contrast ratio is 7.0:1 - achieved when recommended colors are used	YES	YES	YES
BILINGUAL Language dependent on neighborhood Examples: Spanish, Chinese, Korean, Russian	NO Names of locations and managing organizations do not need to be translated	YES	NO
UNIVERSAL DESIGN Includes braille or audio components for environmental graphics; also includes considerations for the neurodiverse (contrast, colors, & layout already inherent in many of the sign designs)	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used
INDIGENOUS PLACE NAMES & REFERENCES Content dependent on site location along the LA River.	STRONGLY ENCOURAGED Contact appropriate Indigenous Peoples representative per site location and River Mile	NO	STRONGLY ENCOURAGED Contact appropriate Indigenous Peoples representative per site location and River Mile

Figure 74. This matrix lists the minimum design feature requirements for each category of environmental graphics. Specific requirements will be determined on a project by project basis. These parameters provide the best practices for clear, uncluttered text layout and consistency.

DIRECTIONAL	MILE MARKERS	PAVEMENT MARKINGS	INTERPRETIVE SIGNS & DISPLAYS	LARGE SCALE ICON GRAPHICS
YES	YES	YES Check requirements on a project by project basis for graphics on pavement	Check requirements on a project by project basis	Check requirements on a project by project basis
YES	YES	YES Check requirements on a project by project basis for graphics on pavement	YES	Check requirements on a project by project basis
YES	YES	YES	YES	NO Guidelines color is not required, choices are to artist's discretion
NO	NO	NO	YES	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used
SOMETIMES Encouraged for wayfinding along pedestrian paths of travel	NO	NO	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used	STRONGLY ENCOURAGED Ensure that an accessible path of travel leads to sign and that braille is within reach if used
STRONGLY ENCOURAGED Contact appropriate Indigenous Peoples representative per site location and River Mile	NO	NO	STRONGLY ENCOURAGED Contact appropriate Indigenous Peoples representative per site location and River Mile	STRONGLY ENCOURAGED Contact appropriate Indigenous Peoples representative per site location and River Mile

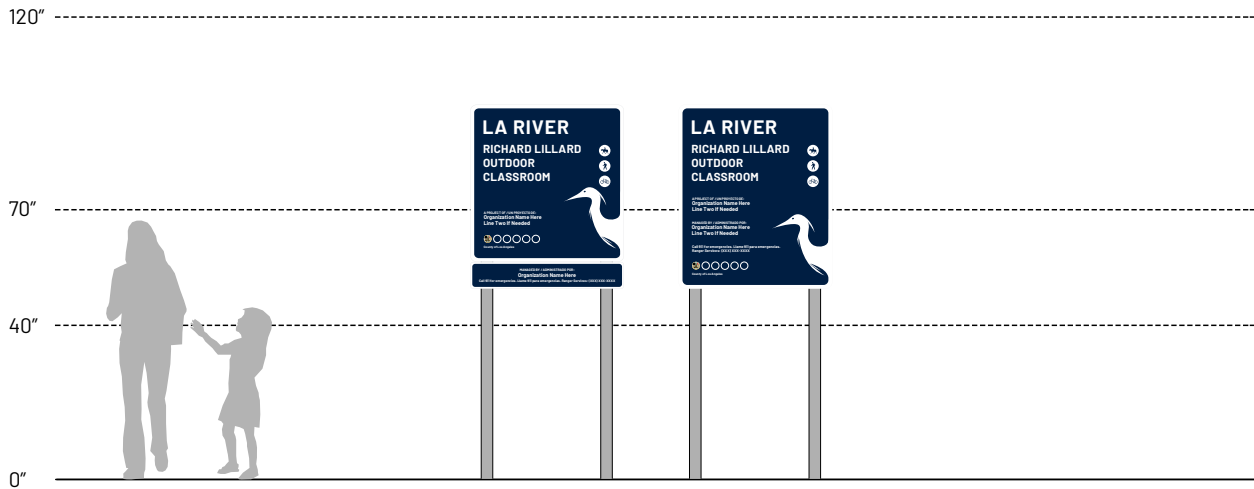


Figure 75. Freestanding informational environmental graphics should be hung on double posts with the bottom of the sign between 40" and 45" minimum above grade.

INFORMATIONAL

PURPOSE

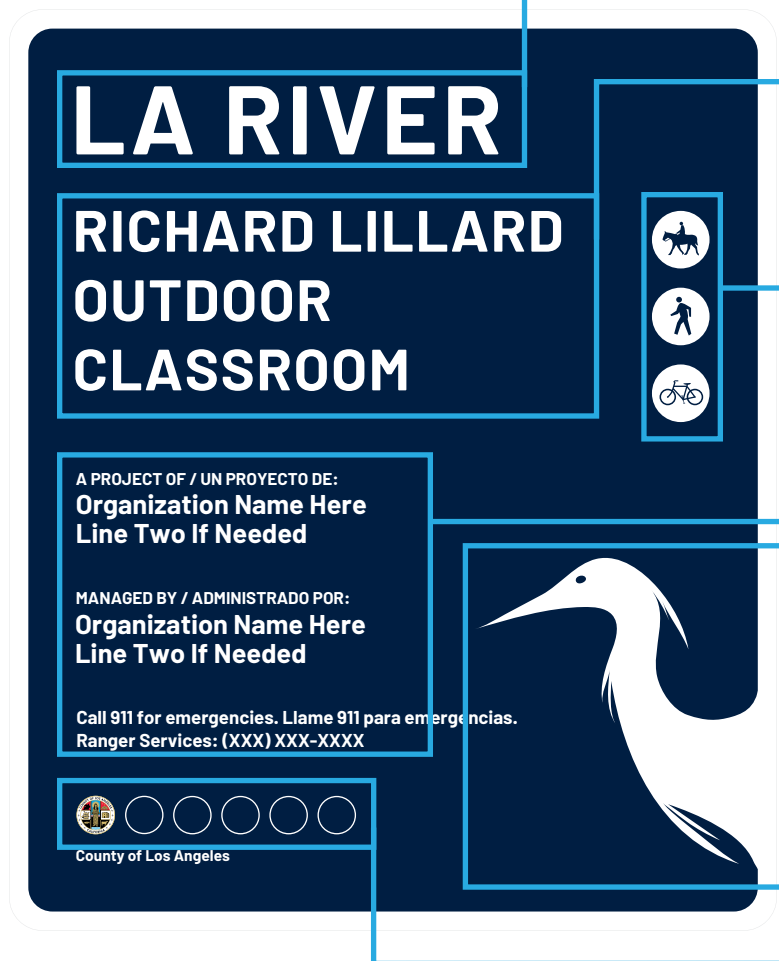
Informational signs are used to inform visitors about a place, and include park entry signs and other non-regulatory signs.

As necessary, these signs are used to inform visitors about the park or trail, the owner or operator, funding source(s), and agencies and organizations involved with the project. Grant funding sources may have specific requirements for credits and graphics.

PLACEMENT

Locations of informational signs should be placed near the primary access point and be visible from the street or trail to aid visitors in finding the park or trail. A single informational sign should be placed at the access point or gateway to reduce visual clutter.

INFORMATIONAL - OPTION 1 ONE SIGN



TITLE 1

Text: LA RIVER
Font: Barlow - Bold, All Caps
Size: 3.5" high
Color: White
Position: Left aligned, 3" from top of blue background, 2.5" from left

TITLE 2

Text: LOCATION NAME
Font: Barlow - Bold, All Caps
Size: 2" high (minimum)
Color: White
Position: Left aligned, 3" from bottom of Title 1 text, 2.5" from left edge of blue background, 1.5" between lines

TRAIL USAGE SYMBOLS

Size: Symbols centered in 3" circle
Color: Circle-White, Symbol - Pantone 282 C
Position: 2.5" from right edge of blue background; spaced 1" apart vertically; top aligned with top of Title 2 text
* Only include symbols for usage on trail at this access point
** See MUTCD for approved symbols

INFORMATIONAL TEXT

Font: Barlow - Bold, Title Case
Size: .625" minimum height of capital letter
Color: White
Position: Left aligned; 2.5" from left edge of blue background, 2.5" vertical space between separate groups of text

HERON GRAPHIC

Size: 16" high
Color: White
Position: Flush right with white border; 2.5" from bottom edge of blue background

LOGOS

Size: 2" circles with 5 pt white stroke
Position: 2.5" from left edge of blue background, 4" from bottom; spaced .5" apart horizontally

Figure 76. Informational signs provide the location name, owner, operator, and funding source of a project, along with trail usage symbols denoting types of trails available.

SIGN SPECIFICATIONS

- **Size:** 40x48" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 1.25" radius rounded corners
- **Margins within background:** 3" from top, 2.5" on left, right, and bottom

INSTALLATION

- At access point, not directly on a circulation path
- Bottom of sign hung between 40" and 45" off the ground and on double posts if freestanding

NOTES

- Always confirm specifications with latest applicable guidelines

INFORMATIONAL - OPTION 2 SIGN WITH BOTTOM PANEL

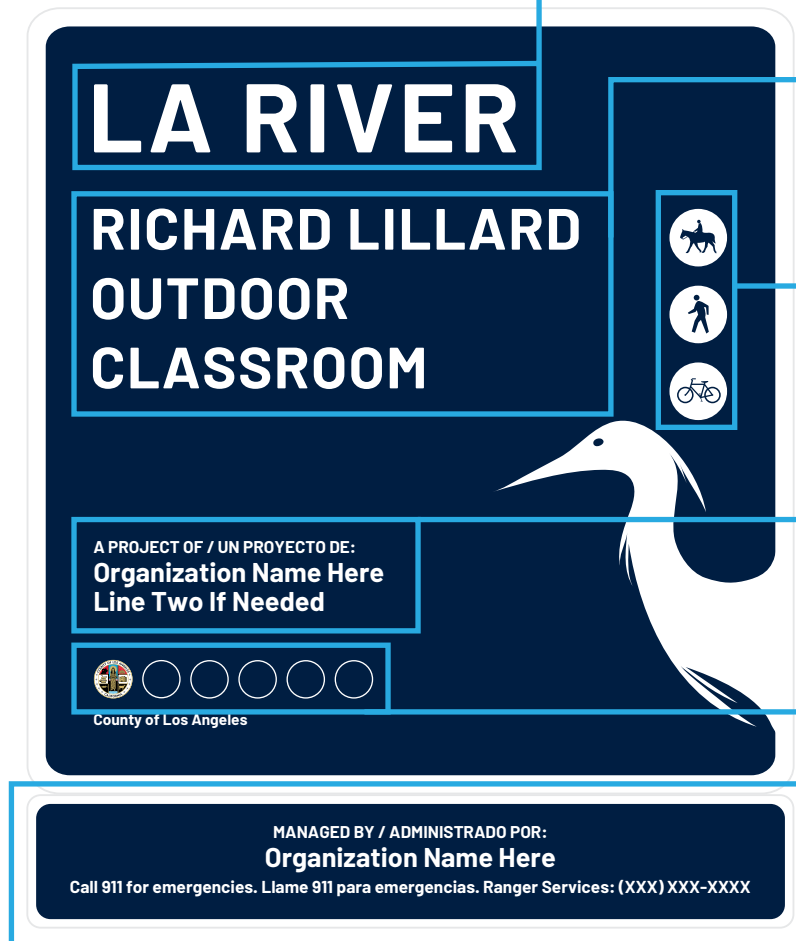


Figure 77. The information panel allows for ease of updating information such as management and funding.

SIGN SPECIFICATIONS

- **Size:** 40x41" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 1.25" radius rounded corners
- **Margins within background:** 3" from top, 2.5" on left, right, and bottom

INSTALLATION

- At access point, not directly on a circulation path
- Bottom of information sign combination (sign and below panel) hung between 40" and 45" off the ground and on double posts if freestanding

NOTES

- Separate "informational panel" allows for flexibility to update only partial and potentially more frequently changing content
- Always confirm specifications with latest applicable guidelines

TITLE 1

Text: LA RIVER
Font: Barlow - Bold, All Caps
Size: 3.5" high
Color: White
Position: Left aligned, 3" from top of blue background, 2.5" from left

TITLE 2

Text: LOCATION NAME
Font: Barlow - Bold, All Caps
Size: 2" high (minimum)
Color: White
Position: Left aligned, 3" from bottom of Title 1 text, 2.5" from left edge of blue background, 1.5" between lines

TRAIL USAGE SYMBOLS

Size: Symbols centered in 3" circle
Color: Circle-White, Symbol - Pantone 282 C
Position: 2.5" from right edge of blue background; spaced 1" apart vertically; top aligned with top of Title 2 text
 * Only include symbols for usage on trail at this access point
 ** See MUTCD for approved symbols

INFORMATIONAL TEXT

Font: Barlow - Bold, Title Case
Size: .625" minimum height of capital letter
Color: White
Position: Left aligned; 2.5" from left edge of blue background

LOGOS

Size: 2" circles with 5 pt white stroke
Position: 2.5" from left edge of blue background, 4" from bottom; spaced .5" apart horizontally

INFORMATIONAL PANEL

Size: 40x7" with .75" radius rounded corners
White border: .5" on all sides
Material: Aluminum with anti-graffiti film overlay
Background: Pantone 282 C with .75" radius rounded corners
Margins within background: 1.15" on all sides

Font: Barlow - Bold, Title Case,
Size: .625" minimum height of capital letter
Color: White
Text Position: Center aligned, 1.15" from all edges of blue background

Placement: Hung below informational sign, flush edge to edge; bottom of sign between 40" and 45" off the ground or a minimum of 80" off the ground and on double posts if freestanding

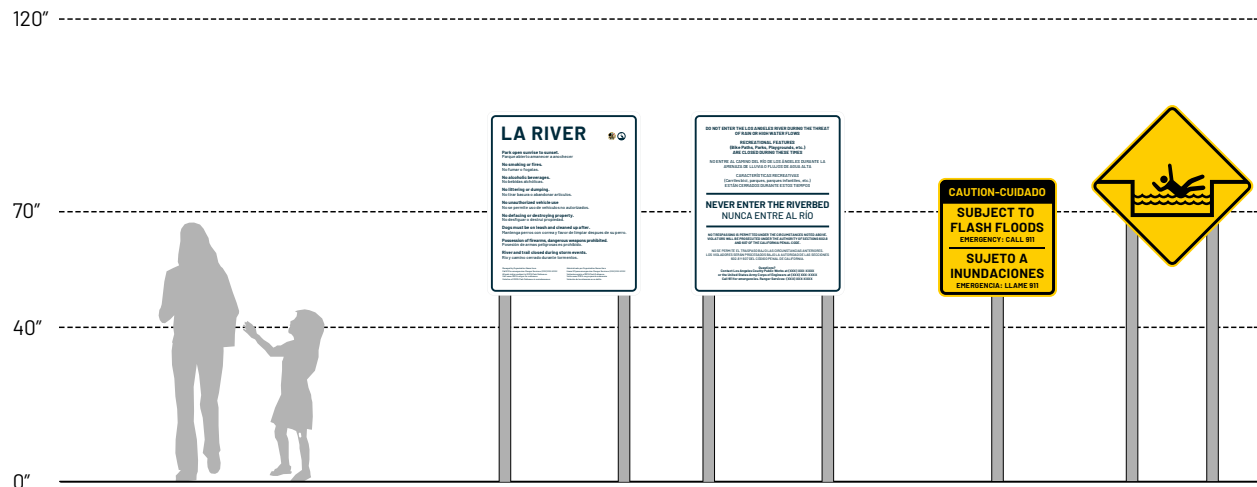


Figure 78. Regulatory environmental graphics should be hung so that the bottom-most text is between 40"–70" above grade. Certain freestanding signs require double posts.

REGULATORY

PURPOSE

Regulatory signs are used to alert users to rules and regulations within LA River parks or multiuse trails. They are also used to warn park and trail users of dangerous conditions or to inform bicyclists and drivers of regulations and upcoming conditions. Under the California Code of Regulations rules and specific code numbers must be posted in order to be enforced by patrolling park rangers and police officers.¹⁸

For additional regulatory signs needed for flood safety or other municipal requirements, refer to the standard guidelines of the appropriate regulatory agency for color, size, content, and materials.

PLACEMENT

Regulatory signs are typically placed at or near park entrances or access points. Certain regulatory sign placement needs to follow uniform traffic standards and MUTCD guidelines. All users should be able to see the regulatory signs as they enter the park or multiuse trails. Signs warning users of flood danger should be placed along the channel itself. To prevent trespass, signs should be posted informing trail users of adjacent private property and instructing them to respect private lands by staying on the trail. Trail signs that are located on public and private property boundaries should inform trail users when they are entering and leaving private lands.

REGULATORY RULES



Figure 79. Regulatory rule signs alert park and trail users to the rules and regulations in effect within river parks and on trails, and must be bilingual.

TITLE 1

Text: LA RIVER
Font: Barlow - Bold, All Caps
Size: 3.5" high
Color: Pantone 282 C
Position: Left aligned, 2.5" from top and left blue border

LOGOS

Size: 2" circles with 5 pt Pantone 282 C stroke
Position: 2.5" from right blue border; spaced .5" apart horizontally

REGULATION TEXT: ENGLISH

Font: Barlow - Bold, Sentence Case
Size: .625" minimum height of capital letter
Color: Pantone 282 C
Position: Left aligned; 2.5" from left blue border, 1.25" vertical space between separate groups of text

REGULATION TEXT: SPANISH

Font: Barlow - Medium, Sentence Case
Size: .625" minimum height of capital letter
Color: Pantone 282 C
Position: Left aligned; 2.5" from left blue border, 1.25" vertical space between separate groups of text

INFORMATIONAL TEXT: ENGLISH AND SPANISH

Font: Barlow - Medium, Sentence Case
Size: .375" minimum height of capital letter
Color: Pantone 282 C
Position: Left aligned; 2.5" from left and bottom blue border

BLUE BORDER

Size: 0.5" width with 1.25" radius rounded corners
Color: Pantone 282 C

SIGN SPECIFICATIONS

- **Size:** 40x48" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 2.5" on all sides

INSTALLATION

- At access point, not directly on a circulation path
- Bottom of sign hung between 40" and 45" off the ground and on double posts if freestanding

NOTES

- Rules and regulations should always be bilingual
- Always confirm specifications with latest applicable guidelines

REGULATORY WARNING



Figure 80. Regulatory warnings signs alert users of flood dangers and trail violations should be placed on gates or fences at entrances to the trail.

REGULATION TEXT: ENGLISH

Font: Barlow - Bold, All Caps
Size: .625" minimum height of capital letter
Color: Pantone 282 C
Position: Center aligned; 2.5" minimum from blue border on all sides, 1.625" vertical space between separate groups of text

REGULATION TEXT: SPANISH

Font: Barlow - Medium, All Caps
Size: .625" minimum height of capital letter
Color: Pantone 282 C
Position: Center aligned; 2.5" minimum from blue border on all sides, 1.625" vertical space between separate groups of text

HORIZONTAL DIVIDER LINE

Size: .5" high, 32" long
Color: Pantone 282 C
Position: Center aligned; 2.5" from blue border on left and right; 1.625" vertical space between line and text

TITLE 1: ENGLISH

Font: Barlow - Bold, All Caps
Size: 1.75" high (.625" minimum)
Color: Pantone 282 C
Position: Center aligned; 2.5" minimum from blue border on all sides, 1.625" vertical space between separate groups of text

TITLE 1: SPANISH

Font: Barlow - Medium, All Caps
Size: 1.75" high (.625" minimum)
Color: Pantone 282 C
Position: Center aligned; 2.5" minimum from blue border on all sides, 1.625" vertical space between separate groups of text

CONTACT INFORMATION TEXT

Font: Barlow - Bold, Sentence Case
Size: .375" minimum height of capital letter
Color: Pantone 282 C
Position: Center aligned; 2.5" minimum from blue border on all sides

BLUE BORDER

Size: 0.5" width with 1.25" radius rounded corners
Color: Pantone 282 C

SIGN SPECIFICATIONS

- **Size:** 40x48" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 2.5" on all sides

INSTALLATION

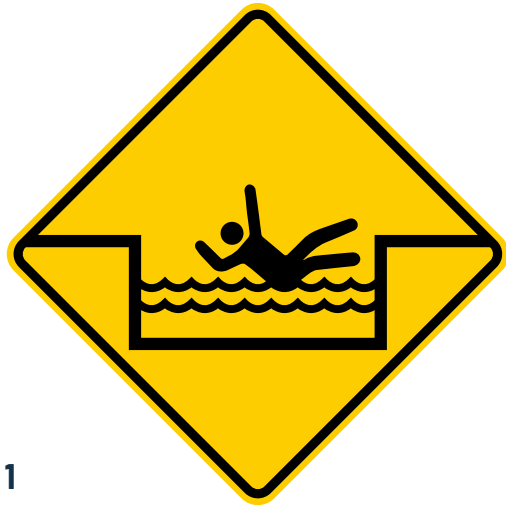
- At access point, not directly on a circulation path
- Bottom of sign hung between 40" and 45" and on double posts if freestanding

NOTES

- Rules and regulations should always be bilingual
- Always confirm specifications with latest applicable guidelines

DRAFT

REGULATORY HAZARD



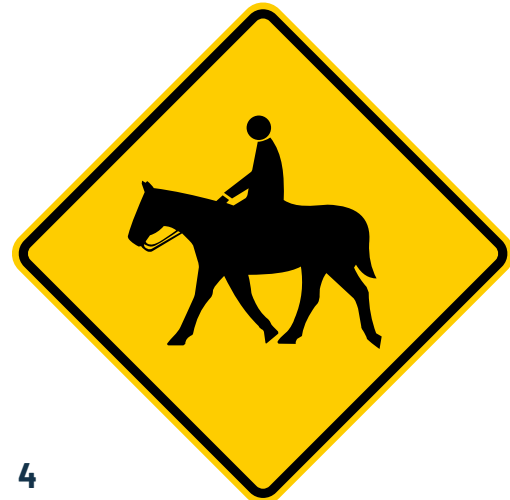
1



2



3



4



5

Figure 81. The signs shown above (1-4) are examples of warning and safety regulations signs that are standard designs and must not be altered. These guidelines do not provide artwork for these standard signs. Designers should consult latest MUTCD guidelines.

Source: 2009 MUTCD Edition with Revisions 1 and 2, 2012.

Figure 82. The signs shown to the left (5) is a standard regulatory sign, created as part of these guidelines, that must not be altered. Artwork for this standard sign can be downloaded here: (Final link to be included in final guidelines)

STANDARDIZED REGULATORY SIGNS

Certain regulatory signs are standard and shall not be altered or customized in order to maintain recognition and consistency. Examples of these standardized signs include MUTCD signs for flood danger, equestrian requirements, parking requirements, and USACE signs for no dumping or littering. These guidelines will not provide the artwork for other agencies standard signage. Refer to appropriate jurisdiction codes for most up-to-date requirements and sign specifications.

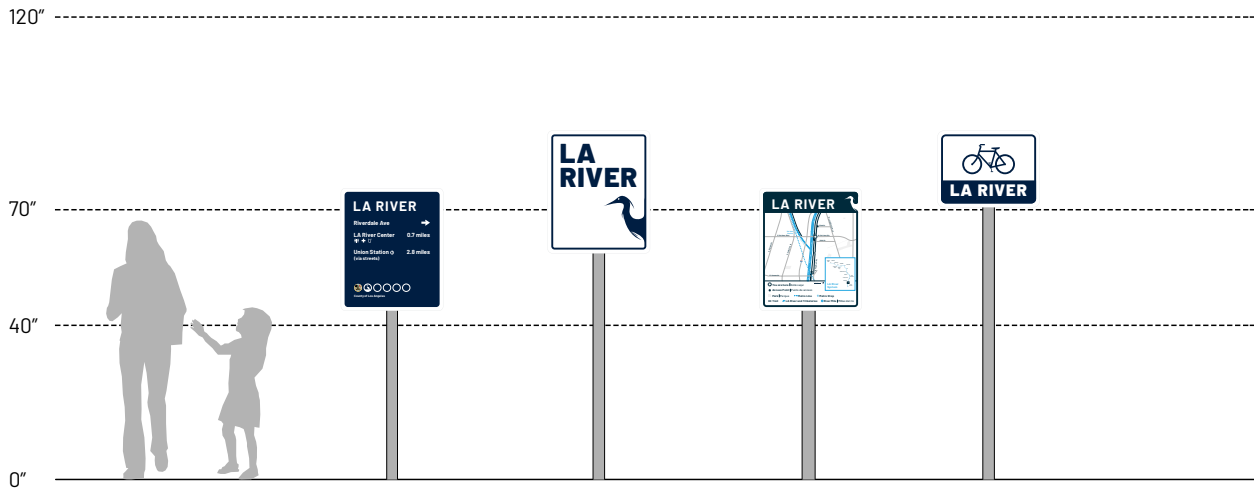


Figure 83. Confirmation environmental graphics should be hung so that the “LA River” text is between 70’-120’ above grade.

CONFIRMATION

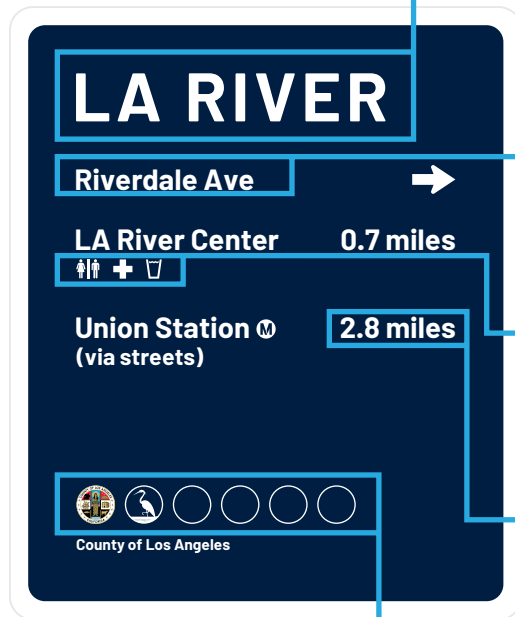
PURPOSE

Confirmation signs inform users that they are on the correct route or alerts users to an upcoming turn. This information can include distances or time to destination or the LA River. Signs showing destinations should show locations that are ahead on the trail and on the same side of the river bank. They should be double-sided, and can include symbols that indicate locations that have amenities such as restrooms, hydration, and first aid.

PLACEMENT

Confirmation signs should be placed at access points and along the LA River trail. Confirmation signs showing destinations along the trail should occur at a frequency of no less than two miles. Trail map signs should be placed at access points so that users can identify access points and exits before they embark on their route.

CONFIRMATION



TITLE 1

Text: LA RIVER
Font: Barlow - Bold, All Caps
Size: 2.5" high
Color: White
Position: Left aligned, 2.5" from top and left edge of blue background

DESTINATION NAME

Font: Barlow - Bold, Title Case
Size: .625" minimum height of capital letter
Color: White
Position: Left aligned; 2.5" from left edge of blue background, 2" vertical space between separate groups of text

AMENITY SYMBOLS

Size: 1" high
Color: White
Position: 2.5" from left edge of blue background; spaced 0.75" apart horizontally; 0.5" below Destination Name
 *See MUTCD for approved symbols

DESTINATION DISTANCE

Font: Barlow - Bold, Sentence Case
Size: 0.625" minimum height of capital letter
Color: White
Position: Right aligned; 2.5" from right edge of blue background, aligned with Destination Name vertically

LOGOS

Size: 2" circles with 5 pt white stroke
Position: 2.5" from left edge of blue background, 4" from bottom; spaced .5" apart horizontally

Figure 84. Confirmation signs confirm to the viewer that they are traveling the correct direction and identify the next closest major destinations. They can also indicate arrival at a destination with the addition of an arrow.

SIGN SPECIFICATIONS

- **Size:** 26.75x32" with 1.25" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.875" radius rounded corners
- **Margins within background:** 2.5" on all sides

INSTALLATION

- Along LA River trail
- Bottom of sign hung between 40" and 45" off the ground

NOTES

- Amenity symbols should be MUTCD standard symbols whenever available, custom symbols can only be used when symbol does not exist in from MUTCD
- An arrow replaces the destination distance when the sign is at the destination or at the trail exit for that destination
- Only three destinations per sign
- Always confirm specifications with latest applicable guidelines

CONFIRMATION AT RIVER

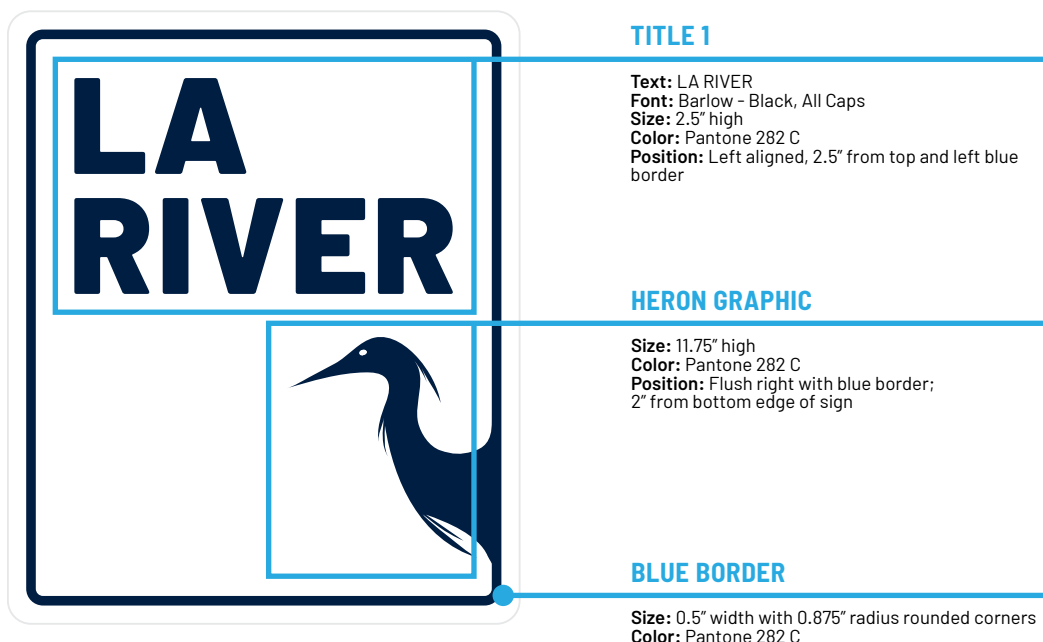


Figure 85. This Confirmation sign should be used at locations such as bridge crossings to confirm the location of the LA River.

SIGN SPECIFICATIONS

- **Size:** 26.75x32" with 1.25" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 2" on all sides

INSTALLATION

- Key locations close to the LA River, such as on bridge overpasses
- Always confirm specifications with latest applicable guidelines

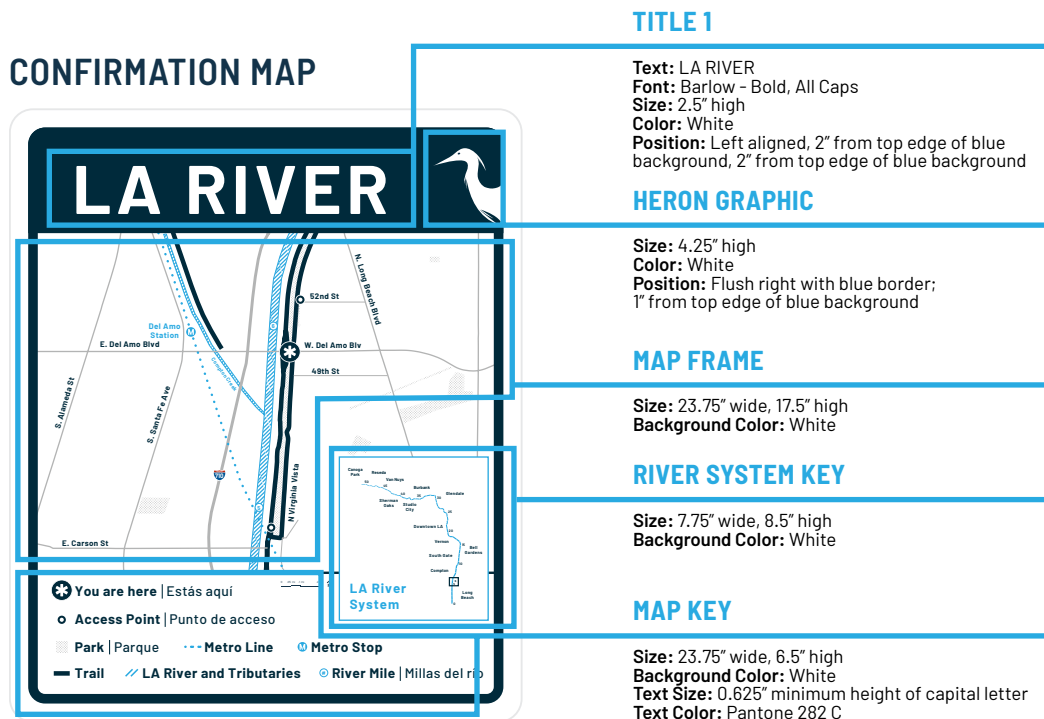


Figure 86. Confirmation maps help users locate where they are on the trail in relation to the river system and the trail itself, and help to locate other access points.

SIGN SPECIFICATIONS

- **Size:** 26.75x32" with 1.25" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White

INSTALLATION

- At access point
- Bottom of sign hung between 40" and 45" off the ground
- Always confirm specifications with latest applicable guidelines

CONFIRMATION BIKE ROUTE

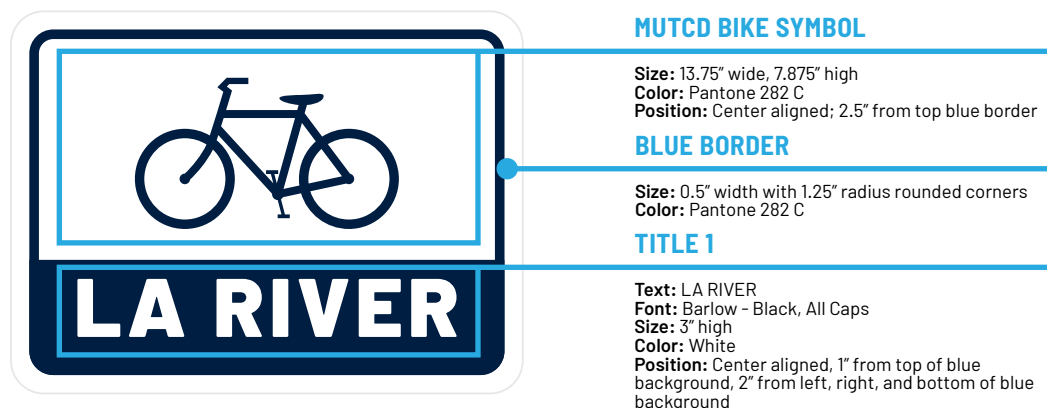


Figure 87. This Confirmation sign should be used for bike routes leading to LA River.

SIGN SPECIFICATIONS

- **Size:** 26.75x20" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 2.5" from top, 2" on left, right, and bottom

INSTALLATION

- Along bike route, maximum two miles from LA River
- Bottom of sign hung between 70" and 120" off the ground

NOTES

- All bicycle route environmental graphics should be retroreflective per MUTCD requirements.
- Always confirm specifications with latest applicable guidelines

CONFIRMATION OVERPASS



Figure 88. A street identifying signs should be hung above the LA River trail denoting name of street above, crossing over the trail.

SIGN SPECIFICATIONS

- **Size:** Width varies x 8" with 1" radius rounded corners
- **White border of sign:** 0.25" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.375" blue border with 1" radius rounded corners
- **Margins within background:** 1.375" top and bottom, 2.375" minimum left and right sides

INSTALLATION

- On bridge or overpass above trail

NOTES

- Width of sign will vary base on the length of the name, but margins will remain standard, based on MUTCD guidelines
- Always confirm specifications with latest applicable guidelines

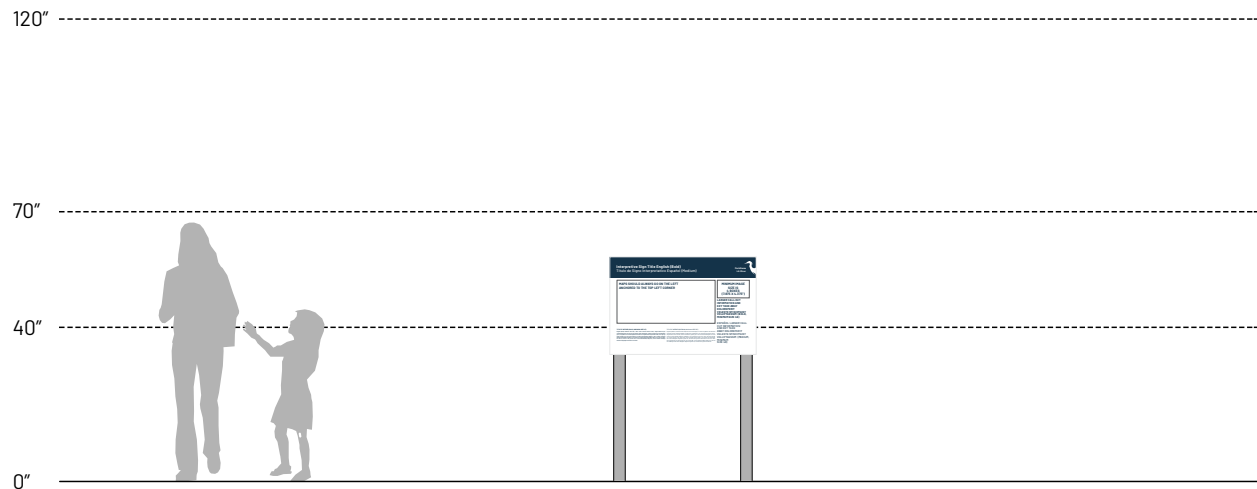


Figure 89. Interpretive environmental graphics should be hung at a height that is easily legible. When freestanding, the sign should be on double posts.

INTERPRETIVE

PURPOSE

Interpretive signs and displays are used to educate users. Typically, they will be found in LA River parks or at access points to the river and trails. Each park-owning agency will determine the content and use of interpretive signs.

Suggested topics include geomorphology and engineering of the river, ecological restoration, water supply, water quality, wildlife of the region, natural history of Los Angeles, Indigenuos Peoples place markers and traditions, settlement history of Los Angeles, and cultural history of local neighborhoods. Topic selection should consider the content of other interpretive signs and displays within the river system and the unique features of the project site.

The specifications shown on the following page for interpretive signs were designed to provide flexibility for the individual sign designers. Consistent to all interpretive signs are the title location, size, color, and font, and the size and location of the heron logo. For ease of sign layout, a grid system will unify sign layout.

PLACEMENT

Interpretive signs and displays should be placed along trail lookouts, gateways, access points, pocket parks, and within major projects themselves. The location of these environmental graphics is dependent on the educational content and where that is best viewed in context. Their placement should be coordinated with appropriate seating, shade, and other amenities where possible.

INTERPRETIVE

Interpretive Sign Title English (Bold)
Título de Signo Interpretativo Español (Medium)



TITLE BAND

Size: 5" high, 36" wide
Color: Pantone 282 C

HERON GRAPHIC

Size: 3.5" high
Color: White
Position: Flush right with edge of sign

CONTENT GRID

Size: 32.625x16.25"; each grid box size is 3.75x2"
Position: Center aligned; 1.6875" from left and right edge of sign, 0.75" from top title band, 2" from bottom edge of sign, 0.375" vertical and horizontal space between separate groups of text

Figure 90. The content grid of the interpretive sign provides a template for the layout of content .

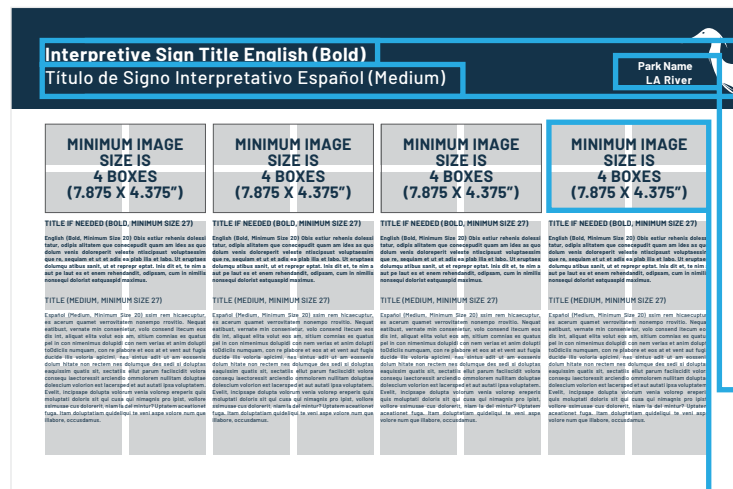


Figure 91. There are many different ways that the grid can be used for the layout of interpretive signs. The above example shows one method of basic organization with a hierarchy of text sizes.

SIGN TITLE: ENGLISH

Font: Barlow - Bold, Title Case
Size: 0.625" minimum height of capital letter
Color: White
Position: Left aligned; 2" from top edge of sign, 1.6875" from left edge of sign

SIGN TITLE: SPANISH

Font: Barlow - Medium, Title Case
Size: 0.625" minimum height of capital letter
Color: White
Position: Left aligned; 1.25" from bottom edge of title band, 1.6875" from left edge of sign

LOCATION

Font: Barlow - Bold, Title Case
Size: 40 pt
Color: White
Position: Right aligned; 2.5" from right edge of sign

IMAGES

Minimum Size: 7.875" wide by 4.375" high;
4 grid boxes

USING THE GRID

Text, photographs, maps and illustrations should be aligned on the grid at the discretion of the designer. Each grid box is 3.75 inches wide by 2 inches tall, and are evenly spaced $\frac{3}{8}$ inch apart allowing for adequate space between different types of content. Images should not be any smaller than 4 grid boxes, 7 $\frac{7}{8}$ inches wide by 4 $\frac{3}{8}$ tall. When using a large map or graphic they should be anchored in the top left corner of the grid and additional content should align below or to the right of the large map or graphic, when reading this sign from left to right it will be where the viewer starts on take in the content of the

sign. Creating hierarchy between different types of content will help the viewer to digest the content more easily. Larger sized text callouts can be used to draw attention to important points and can help to break up large amounts of text. Bold titles within text can also be used to better segment text on an interpretive sign. Interpretive signs should be bilingual to better speak to more users. It is recommended to differentiate languages with different type weights for a quicker and easier navigation of content on the sign.

INTERPRETIVE

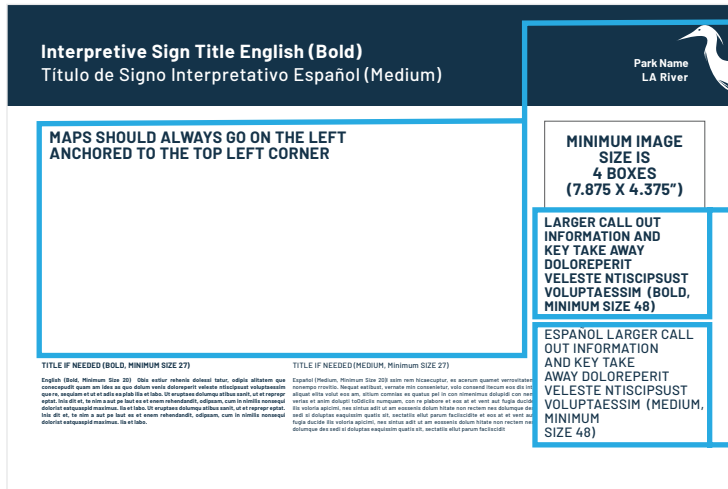


Figure 92. Images or maps should also be incorporated into interpretive signs as focal points.

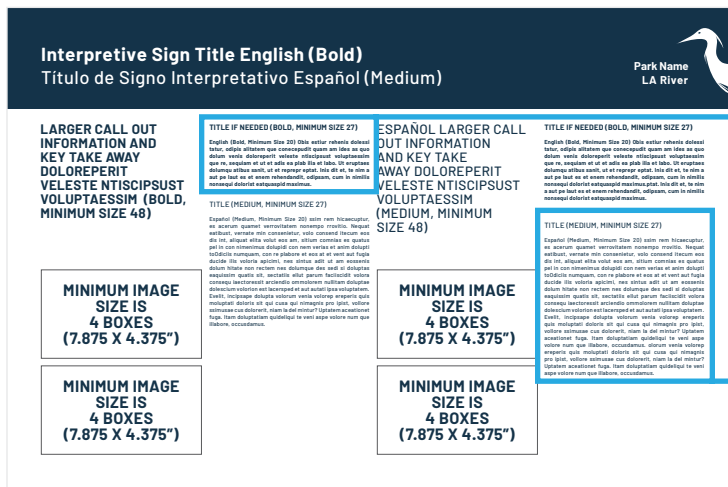


Figure 93. Large callouts or quotes can be incorporated into interpretive signs to highlight key information.

MAPS AND LARGE IMAGES/DIAGRAMS

Position: Top left corner, 1.6875" from left edge of sign, 0.75" from top blue Title Band

CALL OUT TEXT: ENGLISH

Font: Barlow - Bold, All Caps
Size: 48 pt minimum
Color: Pantone 282 C
Position: Left aligned; 1.6875" minimum from right edge of sign

CALL OUT TEXT: SPANISH

Font: Barlow - Medium, All Caps
Size: 48 pt minimum
Color: Pantone 282 C
Position: Left aligned; 1.6875" minimum from right edge of sign

INFORMATIONAL TEXT: ENGLISH

Font: Barlow - Bold, Sentence case
Size: 20 pt minimum
Color: Pantone 282 C
Position: Left justified, text box aligned with grid

INFORMATIONAL TEXT: SPANISH

Font: Barlow - Medium, Sentence case
Size: 20 pt minimum
Color: Pantone 282 C
Position: Left justified, text box aligned with grid

SIGN SPECIFICATIONS

- **Size:** 36x24"
- **Material:** Varies per project with anti-graffiti treatment
- **Background:** White
- **Header:** 5" tall Pantone 282 C band spanning width of sign
- **Margins from edge of sign:** 2" on top and bottom, and 1.6875" on left and right

INSTALLATION

- Along trail, not directly on circulation path
- Bottom of sign hung at a height where text is legible, on double posts if freestanding

NOTES

- Should always be bilingual
- Always confirm specifications with latest applicable guidelines

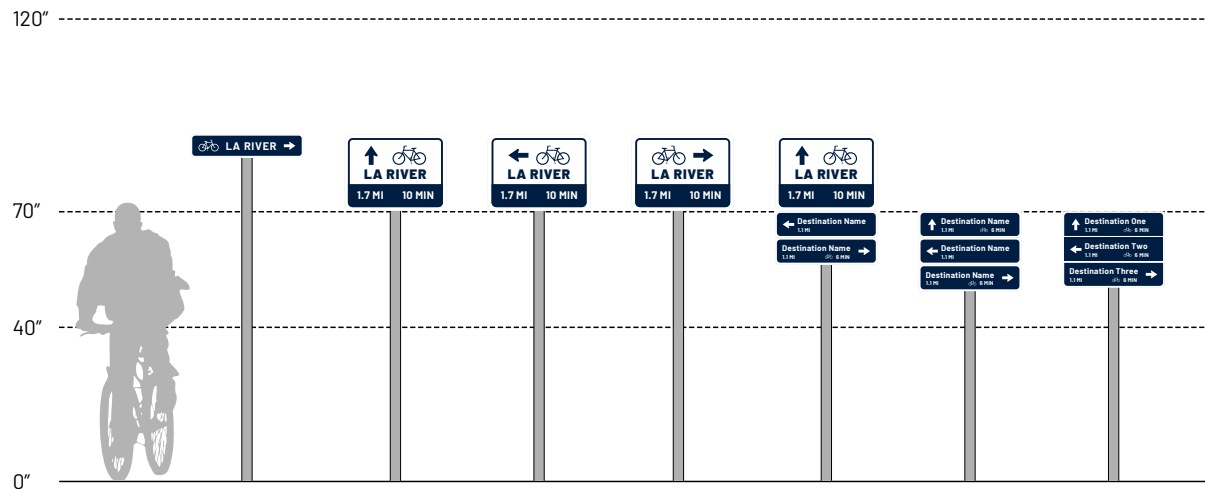


Figure 94. Directional environmental graphics should be placed along bike routes leading to the LA River and its access points and projects. Estimated times are based on an average six minute mile.

DIRECTIONAL

PURPOSE

Directional signs are used to alert travelers to the location of the river, multiuse trails, and river parks. They serve an important wayfinding function and will set traffic patterns to and from the river. Jurisdictionally, these signs will typically be located in Caltrans right-of-way, local municipalities' departments of transportation rights-of-way, or unincorporated LA County. All signs must conform to the appropriate jurisdictional regulations.

PLACEMENT

Directional environmental graphics should be placed along streets and at intersections that cater to pedestrians and cyclists. Locations chosen should direct users to the river's nearest access point.

To direct users to the LA River from local streets where a Class II or III bike path exists, use the directional environmental graphics for cyclists. To direct users to the LA River where there is no existing bike path, use signs that address both cyclists and pedestrians. For direction within 500ft of an access point, use signs with the directional arrow only.

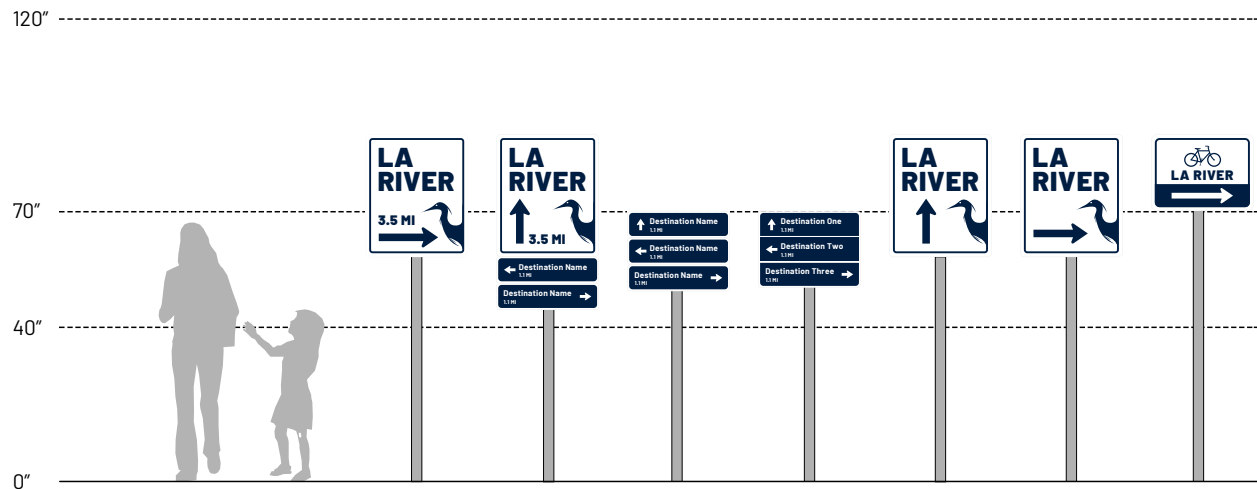


Figure 96. Directional environmental graphics, communicating to both pedestrians and bicyclists, lead to the LA River and its access points and projects from a maximum of two miles away.

MUTCD GUIDELINES OVERVIEW*

- All signs should be hung a minimum of 48" above grade.
- An arrow pointing to the right, if used, shall be at the extreme right-hand side of the sign.
- An arrow pointing left or up, if used, shall be at the extreme left-hand side of the sign.

*Always use most recent MUTCD Guidelines. Guidelines at time of this publications were 2009 Edition, including Revisions 1 and 2 dated May 2012

- On bicycle destination signs, a bicycle symbol shall be placed next to each destination or group of destinations. If an arrow is at the extreme left, the bicycle symbol shall be placed to the right of the respective arrow.
- The bicycle symbol should be to the left of the destination legend
- Although the standard design of symbol signs cannot be modified, the orientation of the symbol may be changed to better reflect the direction of travel, if appropriate.

Figure 95. The above information is from the Manual on Uniform Traffic Control Devices for Streets and Highways, 2009 Edition, including Revisions 1 and 2 dated May 2012, section 9B.20 Bicycle Guide Signs. Source: 2009 MUTCD Edition with Revisions 1 and 2, 2012.

DIRECTIONAL BIKE ROUTE



MUTCD BIKE SYMBOL

Size: 8.75" wide, 5" high
Color: Pantone 282 C
Position: 1.5" from top blue border, 3.875" from right blue border

TITLE 1

Text: LA RIVER
Font: Barlow - Black, All Caps
Size: 2.5" high
Color: Pantone 282 C
Position: Center aligned, 1.25" margin above and below, 3.875" left and right blue border

DISTANCE

Font: Barlow - Bold, All Caps
Size: 2" high
Color: White
Position: Left aligned, 2" from top and bottom of blue background, 2.5" from left of blue background



DIRECTIONAL ARROW

Size: 3.375" width of arrow head, length varies depending on direction pointing
Color: Pantone 282 C
Position: 2.25" from top blue border, 3.875" from right blue border

BLUE BORDER

Size: 0.5" width with 1.25" radius rounded corners
Color: Pantone 282 C

ESTIMATED TIME

Font: Barlow - Bold, All Caps
Size: 2" high
Color: White
Position: Right aligned, 2" from top and bottom of blue background, 2.5" from right of blue background

Figure 97. Place directional bike route signs along bike routes leading to LA River. These signs include a directional arrow, the distance to LA River, and the estimated time to bike there.

SIGN SPECIFICATIONS

- **Size:** 26.75x20" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 1.5" from top, 2" minimum on left and right, and 2" from bottom

INSTALLATION

- Along bike route, maximum two miles from LA River
- Bottom of sign hung between 70" and 120" off the ground

NOTES

- Arrow pointing right should appear on far right of sign, arrows point straight (up) and left should appear on the far left of sign
- Direction of MUTCD bike symbol travel should change to mimic direction of arrow
- Estimated time is based of a biking a six minute mile
- All bicycle route directional environmental graphics should be retroreflective per MUTCD requirements.
- Always confirm specifications with latest applicable guidelines

DIRECTIONAL BIKE ROUTE



Figure 98. This LA River Bike Route Sign can be mounted above another MUTCD Bike Route sign within 2 miles of LA River access points. .

MUTCD BIKE SYMBOL

Size: 5.25" wide, 3" high
Color: White
Position: 1.125" from top and bottom of blue background, 2" margin on left and right

TITLE 1

Text: LA RIVER
Font: Barlow - Bold, All Caps
Size: 2" high
Color: White
Position: 1.625" minimum to edge of blue background on all sides

DIRECTIONAL ARROW

Size: 2" width of arrow head, 3" long
Color: White
Position: 1.625" minimum to edge of blue background on all sides

SIGN SPECIFICATIONS

- **Size:** 29.25x6" with 0.75" radius rounded corners
- **White border of sign:** 0.375" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.75" radius rounded corners
- **Margins within background:** 1.625" on top and bottom, and 1.625" minimum on left and right

INSTALLATION

- Mounted above MUTCD Bike Route signs or stand alone within two miles of river access point

NOTES

- Arrow pointing right should appear on far right of sign, arrows point straight (up) and left should appear on the far left of sign
- Direction of MUTCD bike symbol travel should change to mimic direction of arrow
- The bicycle symbol should be to the left of the destination name
- All bicycle route directional environmental graphics should be retroreflective per MUTCD requirements.
- Always confirm specifications with latest applicable guidelines



Figure 99. This LA River bike route sign can be mounted above another MUTCD bike route sign within 2 miles of LA River access points.

TITLE 1

Text: LA RIVER
Font: Barlow - Bold, All Caps
Size: 2" high
Color: White
Position: 1.625" minimum to edge of blue background on all sides

DIRECTIONAL ARROW

Size: 2" width of arrow head, 3" long
Color: White
Position: 1.625" minimum to edge of blue background on all sides

SIGN SPECIFICATIONS

- **Size:** 24x6" with 0.75" radius rounded corners
- **White border of sign:** 0.375" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.75" radius rounded corners
- **Margins within background:** 1.625" on top and bottom, and 1.625" minimum on left and right

INSTALLATION

- Mounted above MUTCD bike route signs within two miles of river access point

NOTES

- Arrow pointing right should appear on far right of sign, arrows point straight (up) and left should appear on the far left of sign
- Width of sign should match the width of the MUTCD bike route sign it is mounted above. Always confirm specifications with latest applicable guidelines

DRAFT

DIRECTIONAL BIKE DESTINATION PANELS

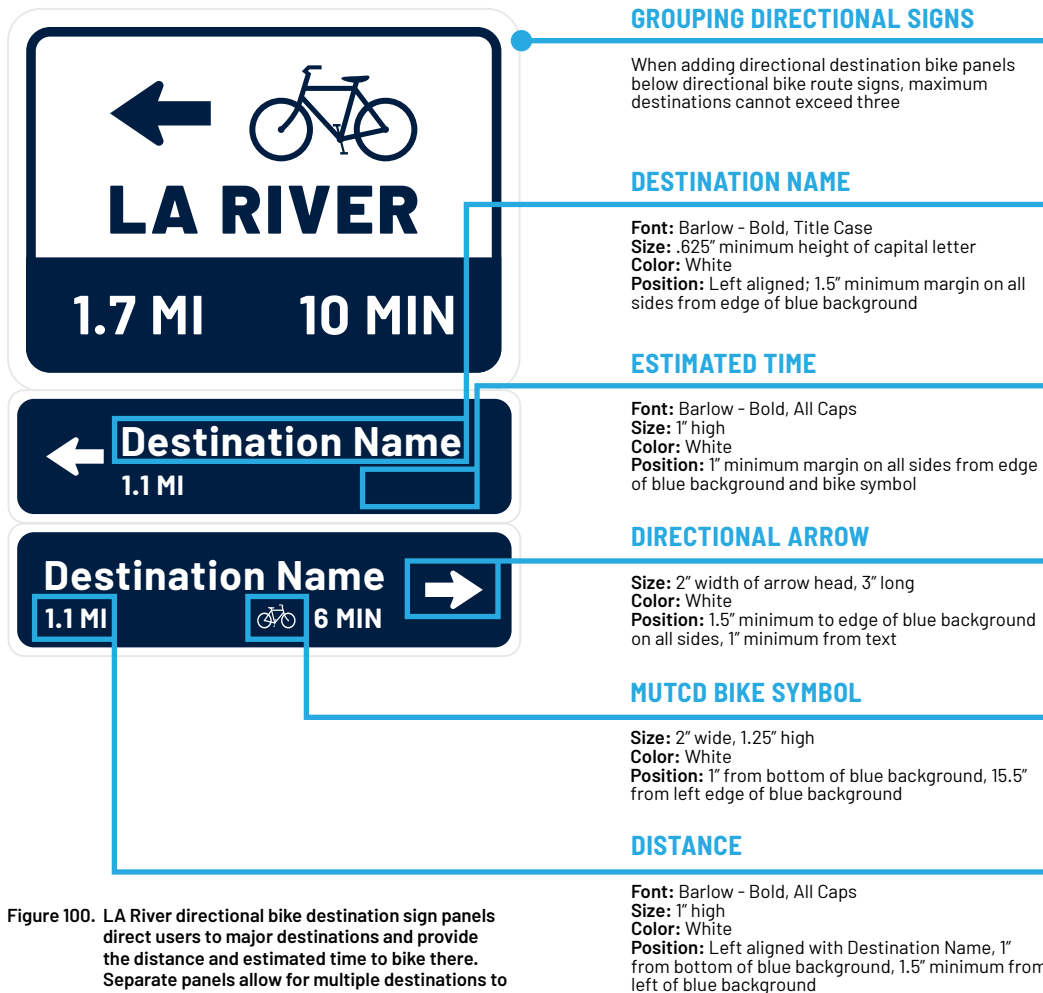


Figure 100. LA River directional bike destination sign panels direct users to major destinations and provide the distance and estimated time to bike there. Separate panels allow for multiple destinations to be added over time.

SIGN SPECIFICATIONS

- **Size:** 26.75x7" with 0.875" radius rounded corners
- **White border of sign:** 0.5" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.875" radius rounded corners
- **Margins within background:** 1.5" minimum on all sides

INSTALLATION

- Along bike route, maximum two miles from LA River
- Bottom of sign hung between 48" and 70" off the ground

NOTES

- When grouping destination signs, maximum three destinations can be grouped per MUTCD standards
- The order of signs hung below must be hung with straight (up) arrow on top, followed by destinations to the left, and then destinations to the right
- Arrow pointing right should appear on far right of sign, arrows point straight (up) and left should appear on the far left of sign
- Direction of MUTCD bike symbol travel should change to mimic direction of arrow
- Estimated time is based of a biking a six minute mile
- All bicycle route directional environmental graphics should be retroreflective per MUTCD requirements
- Always confirm specifications with latest applicable guidelines

DIRECTIONAL BIKE DESTINATION COMBINATION SIGN

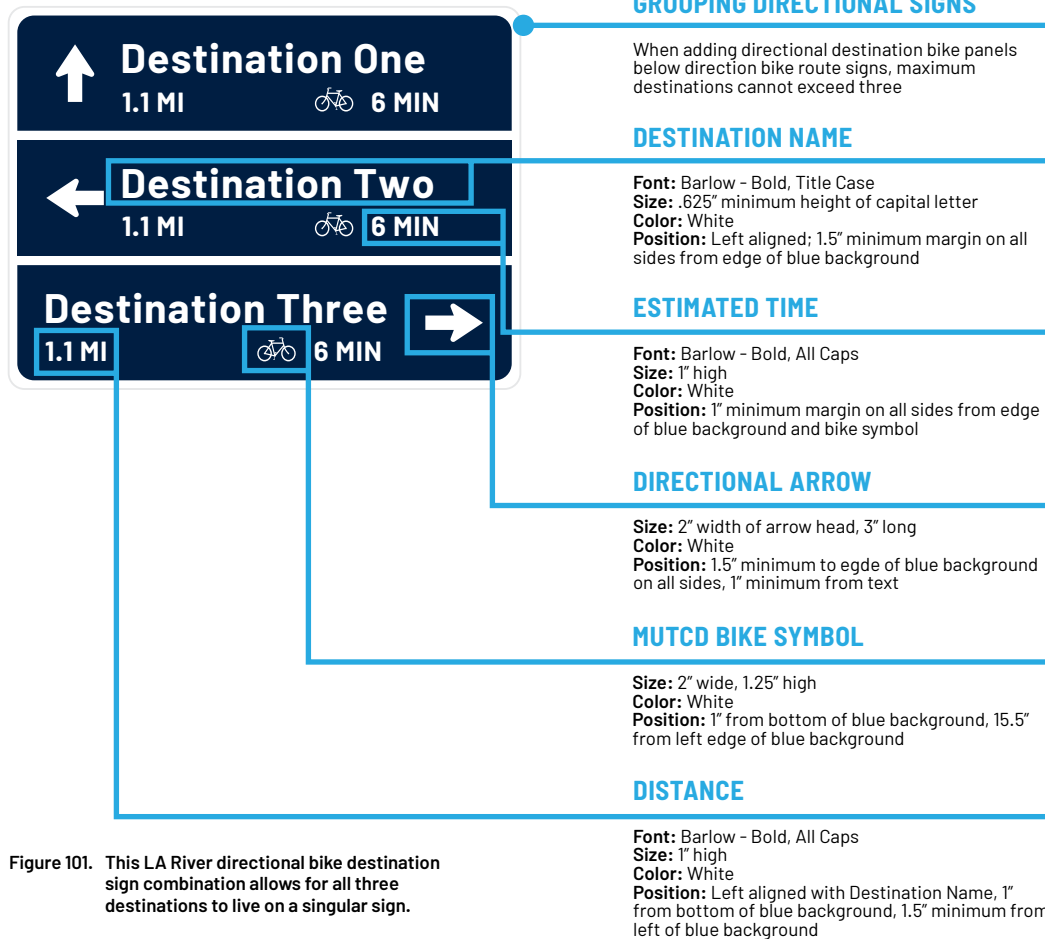


Figure 101. This LA River directional bike destination sign combination allows for all three destinations to live on a singular sign.

SIGN SPECIFICATIONS

- **Size:** 26.75x20" with 0.875" radius rounded corners
- **White border of sign:** 0.5" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.875" radius rounded corners
- **Margins within background:** 1.5" minimum on all sides

INSTALLATION

- Along bike route, maximum two miles from LA River
- Bottom of sign hung between 48" and 70" off the ground

NOTES

- This single sign is a combination of the maximum three destination allowed per MUTCD standards, as opposed to three separate signs panels

- The order of signs must be hung with straight (up) arrow on top, followed by destinations to the left, and then destinations to the right
- Arrow pointing right should appear on far right of sign, arrows point straight (up) and left should appear on the far left of sign
- Direction of MUTCD bike symbol travel should change to mimic direction of arrow
- Can include logo to left of Destination Name (e.g. Metro logo), height of logo or icon should not exceed height of capital letter in Destination Name
- Estimated time is based of a biking a six minute mile
- All bicycle route directional environmental graphics should be retroreflective per MUTCD requirements.

- Always confirm specifications with latest applicable guidelines

DIRECTIONAL WITH DISTANCE

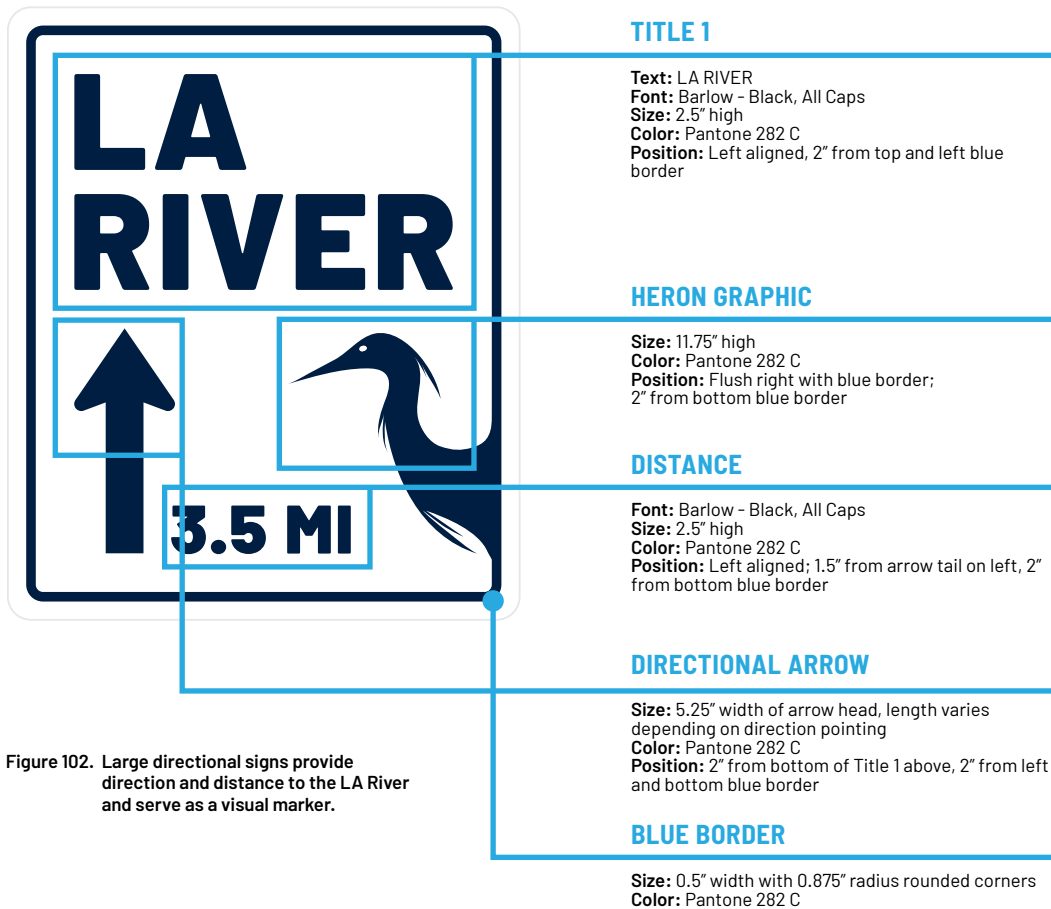


Figure 102. Large directional signs provide direction and distance to the LA River and serve as a visual marker.

SIGN SPECIFICATIONS

- **Size:** 26.75x32" with 1.25" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 2" on all sides

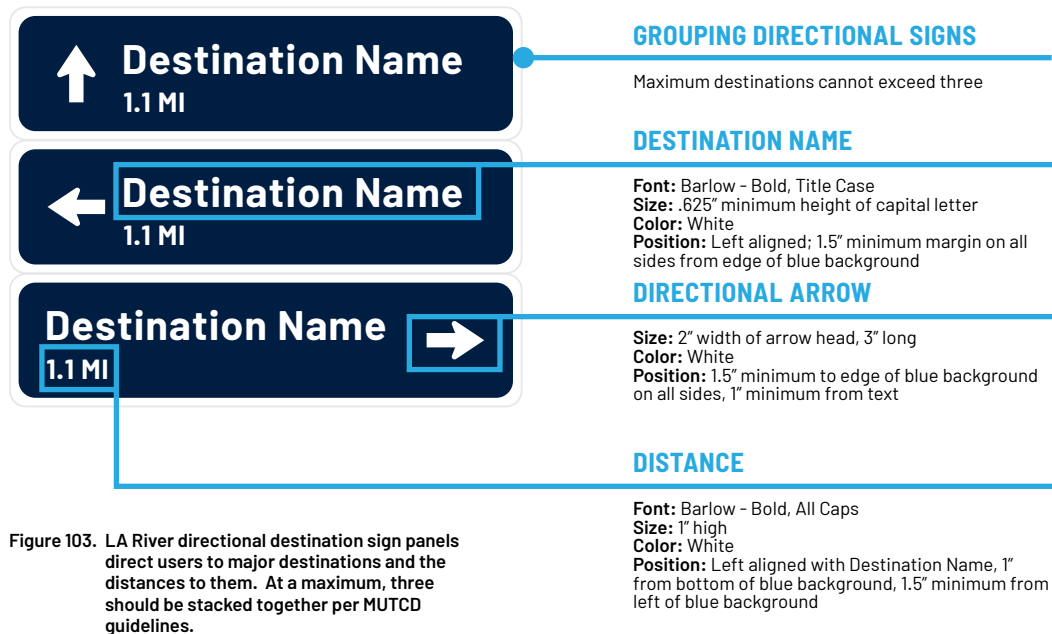
INSTALLATION

- Key locations leading up to LA River Access Point from maximum two miles out to minimum 0.5 miles, includes distance
- Bottom of sign hung between 48" and 70" off the ground

NOTES

- When grouping destination signs, maximum three destinations can be grouped per MUTCD standards (i.e. two destination panels can be hung below this large LA River directional sign)
- The order of signs hung below must be hung with straight (up) arrow on top, followed by destinations to the left, and then destinations to the right
- Always confirm specifications with latest applicable guidelines

DIRECTIONAL PEDESTRIAN DESTINATION PANELS



SIGN SPECIFICATIONS

- **Size:** 26.75x7" with 0.875" radius rounded corners
- **White border of sign:** 0.5" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.875" radius rounded corners
- **Margins within background:** 1.5" minimum on all sides

INSTALLATION

- Key locations leading up to LA River Access Point from maximum two miles out to minimum 0.5 miles
- Bottom of sign hung between 48" and 70" off the ground

NOTES

- When grouping destination signs, maximum three destinations can be grouped per MUTCD standards
- The order of signs must be hung with straight (up) arrow on top, followed by destinations to the left, and then destinations to the right
- Arrow pointing right should appear on far right of sign, arrows point straight (up) and left should appear on the far left of sign
- Can include logo to left of Destination Name (e.g. Metro logo), height of logo or icon should not exceed height of capital letter in Destination Name
- Always confirm specifications with latest applicable guidelines

DIRECTIONAL WITHOUT DISTANCE



Figure 104. LA River large directional signs should be used within 0.5 miles from the LA River. Mile numbers do not appear on signs within 0.5 miles of the destination.



Figure 105. LA River bike route directional sign does not show the distance and estimated time when within 0.5 miles of the LA River.

SIGN SPECIFICATIONS

- **Size:** 26.75x32" with 1.25" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 2" on all sides

INSTALLATION

- Key locations leading up to LA River Access Points, maximum 0.5 miles out, does not include distance

NOTES

- Always confirm specifications with latest applicable guidelines

SIGN SPECIFICATIONS

- **Size:** 26.75x20" with 1.75" radius rounded corners
- **White border of sign:** 1" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** White with 0.5" blue border with 1.25" radius rounded corners
- **Margins within background:** 1.5" from top, 3.875" left and right, and 1" from bottom

INSTALLATION

- Along bike route leading up to LA River Access Point, maximum 0.5 miles out, does not include distance
- Bottom of sign hung between 70" and 120" off the ground

NOTES

- Direction of MUTCD bike symbol travel should change to mimic direction of arrow
- All bicycle route directional environmental graphics should be retroreflective per MUTCD requirements. Should change to mimic direction of arrow
- Always confirm specifications with latest applicable guidelines

MILE MARKERS

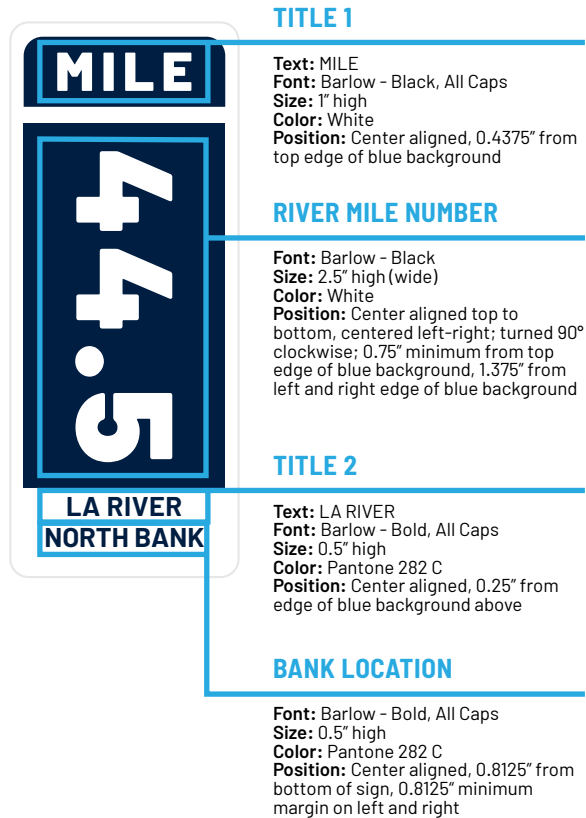


Figure 106. Mile markers must appear every 0.5 miles along the LA River. The mile number and bank side are clear and helpful indicators for travelers and emergency responders.

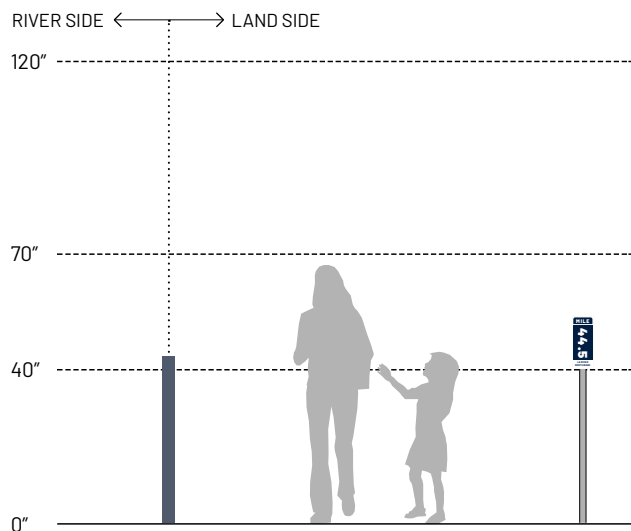


Figure 107. Mile markers should be hung so that the bottom of the sign is at 40" above grade.

SIGN SPECIFICATIONS

- **Size:** 6x14.5" with 0.5" radius rounded corners
- **White border of sign:** 0.375" on all sides
- **Material:** Aluminum with anti-graffiti film overlay
- **Background:** Pantone 282 C with 0.5" radius rounded corners
- **Margins within background:** 0.4375" minimum on all sides

INSTALLATION

- On land side of trail, every 0.5 miles
- Bottom of sign hung at 40" off the ground

NOTES

- Two signs should be installed sandwiching the pole so that the sign faces both directions of travel
- Always confirm specifications with latest applicable guidelines

MILE MARKERS

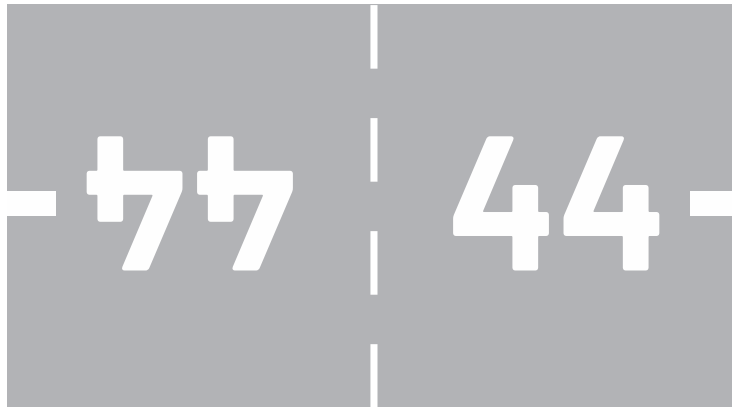
PURPOSE

Mile markers are a new and important signage type to the LA River. A cohesive system of mile numbering along the LA River unifies all 51 miles and helps users identify their location along river trails. Further, having consistent numbering strengthens public safety by allowing people to easily locate themselves along the river for emergency responders. Mile markers demarcate the distance from the outfall into the ocean (river mile 0) to the headwaters (river mile 51). Mile markers also indicate what side of the river someone is on. Bank sides are determined when looking north, up the river. Miles 0 to 32 are denoted as west and east banks, and at river mile 32, at the bend in the river, it switches to north and south banks.

PLACEMENT

Mile markers should be placed every half mile, facing both directions of travel, along the trail on the landside of the trail.

PAVEMENT MARKINGS



RIVER MILE NUMBER

Font: Barlow - Bold
Size: 22" high
Color: Pantone 282 C when on light concrete, white when on asphalt (match treatment of existing lines)
Position: Center aligned in lane; 13" minimum on left and right to edge of trail and center of trail

1/10 MILE TICK

Size: 8" wide, 4" high
Color: Pantone 282 C when on light concrete, white when on asphalt (match treatment of existing lines)
Position: Right aligned, flush to edge of trail; center aligned vertically with river mile number

Figure 108. LA River pavement markings alert users to their river mile location along the trail.

INSTALLATION

- On ground of trail, facing both directions of travel
- Number occurs every mile, and tick on edges of trail occurs every 1/10 mile

NOTES

- Color varies depending on color of trail paving, match treatment of existing lines

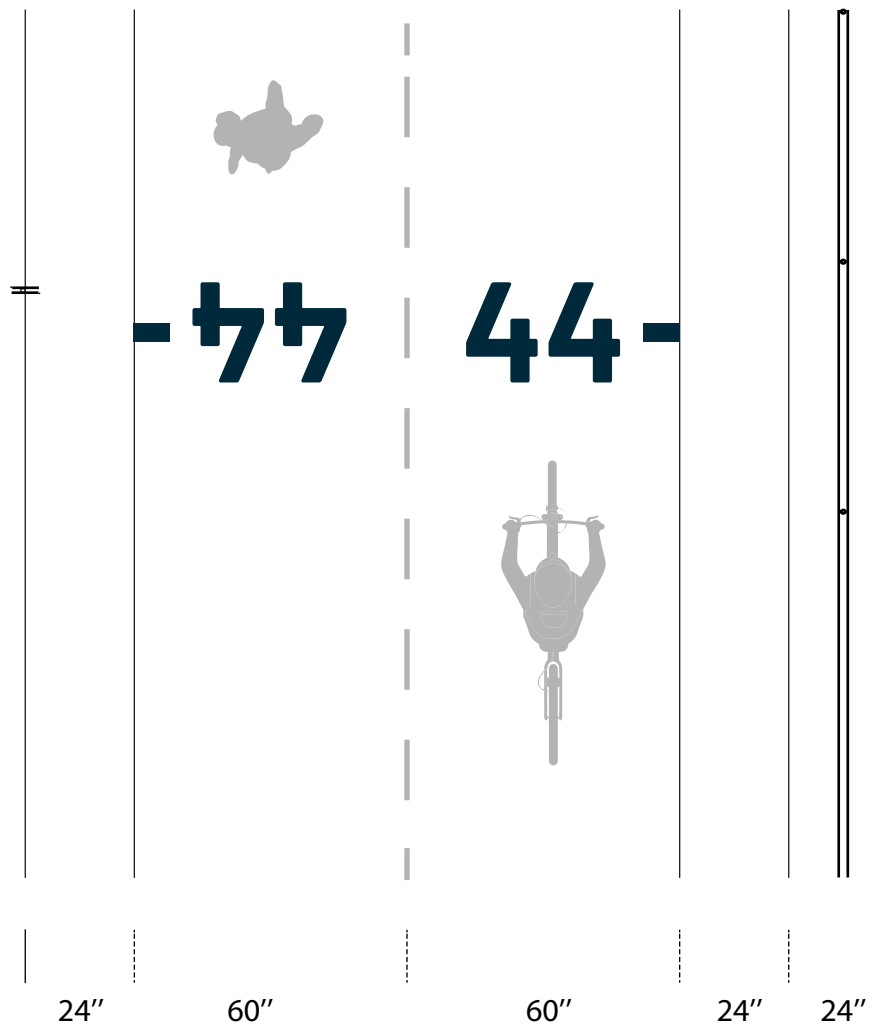


Figure 109. Pavement markings should be placed so that they face the direction of travel.

PAVEMENT MARKINGS

PURPOSE

Pavement marking occur on the pavement of multiuse trails along the LA River and demarcates the distance from the outfall into the ocean (river mile 0) to the headwaters (river mile 51). Pavement markings should consist of either water-based or thermoplastic paint (contractor-grade acrylic striping paint, alkyd, or chlorinated rubber striping paint). Consider skid resistance, reflectivity, and durability when selecting materials, as well as ADA requirements for visibility. Refer to page 153 for more information on thermoplastic paint as necessary.

PLACEMENT

Pavement markings including the large mile number must be incorporated at every mile on all paved paths along the LA River trail, including bikeways and multiuse trails, and facing both directions of travel. Every tenth of a mile shall be marked with only the horizontal ticks on both sides on far outsides of the path as well as in the middle of the path, not including the large mile number.

LARGE SCALE ICON GRAPHICS



Figure 110. Underpasses are an opportunity for large scale icon graphics and can alert users to their river mile location.

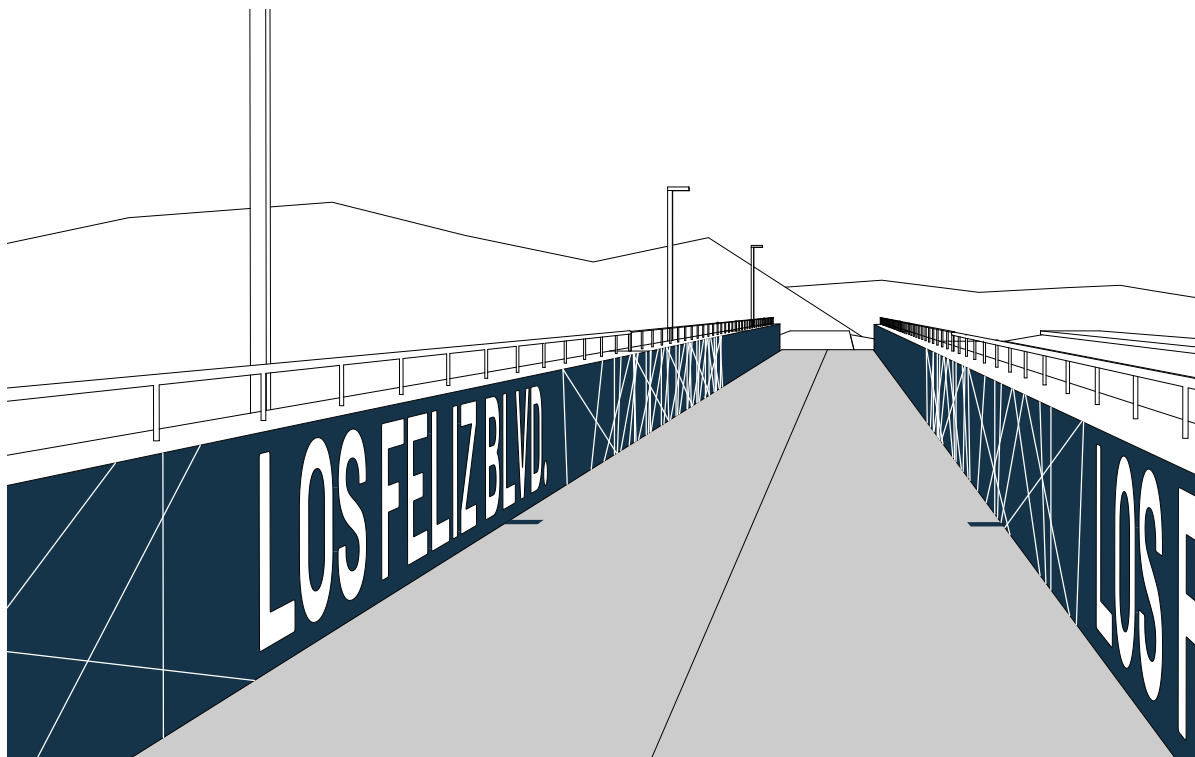


Figure 111. Bridges and overpasses are opportunities for large scale icon graphics and can alert users to street crossings underneath.

LARGE SCALE ICON GRAPHICS

PURPOSE

Integration with architecture, art, and design can best occur with creative use of large scale icon graphics. These environmental graphics are a critical component in the reduction of sign clutter, and can help inform users about their location along the trail or direct them to the LA River. Large scale icon graphics have the most flexibility in their expression and are a compelling way to incorporate art into wayfinding. Alternative wall treatments, such as textured finishes and vine planting can also be considered.

PLACEMENT

Placement of large scale icon graphics is up to the discretion of the artist(s). They could be placed along blank walls, underpasses, or other key moments to highlight the river mile number or adjacent communities.

PAVEMENT MARKINGS

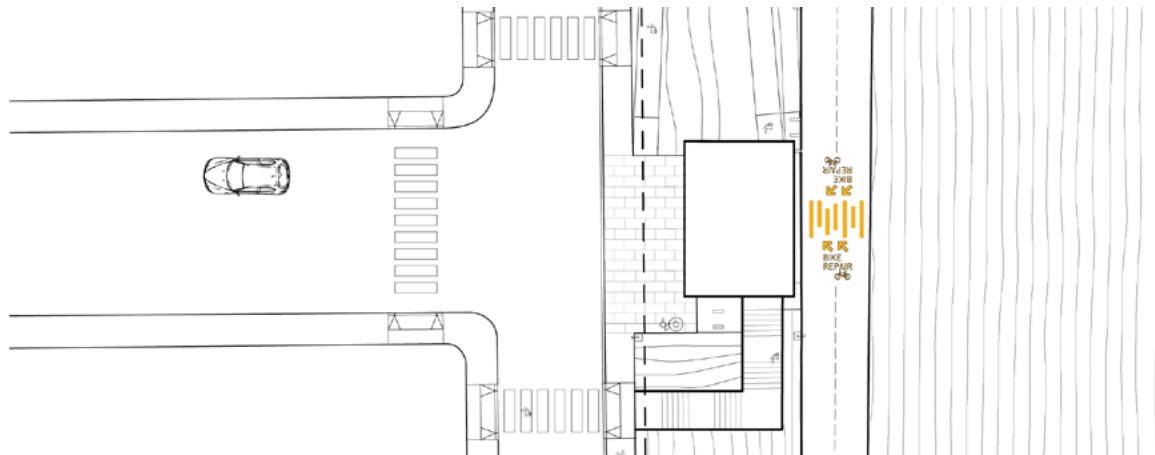


Figure 112. Pavement Markings can be customized along the LA River trail at gateways to allow for the integration of community expression.

COMMUNITY EXPRESSION

Within the suite of LA River environmental graphics, there are opportunities for unique community expression. Certain elements can be customized, while other elements should stay consistent for legibility and clarity in wayfinding.

The following types of environmental graphics must be consistent throughout the LA River:

- Regulatory
- Confirmation
- Directional
- Mile markers
- Pavement markings (only at river pavilion or gateway moments where other regulatory markings are suspended)

The following types of environmental graphics can be modified for an individual project as long as certain elements remain consistent:

- Pavement markings
- Informational
- Interpretive signs and displays
- Large scale icon graphics

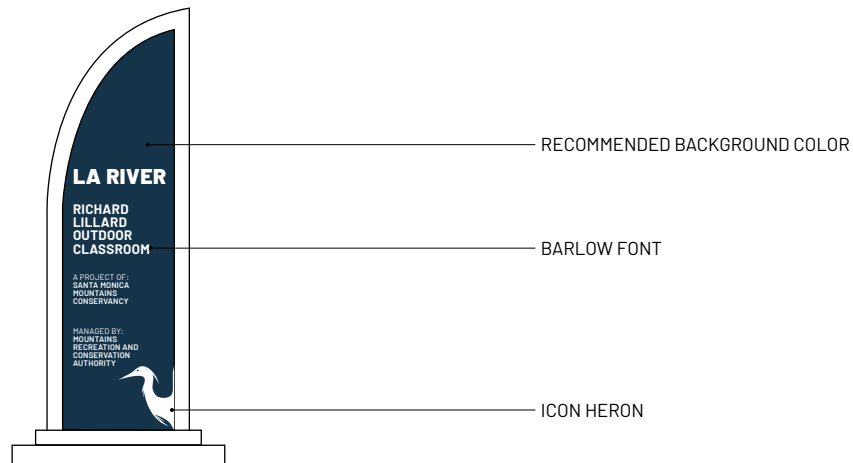
Within the signs that can be modified, the following elements should remain consistent:

- Barlow font
- Heron symbol or icon
- The required background color (the color variation in natural uncoated materials and other neutral colors are allowed).

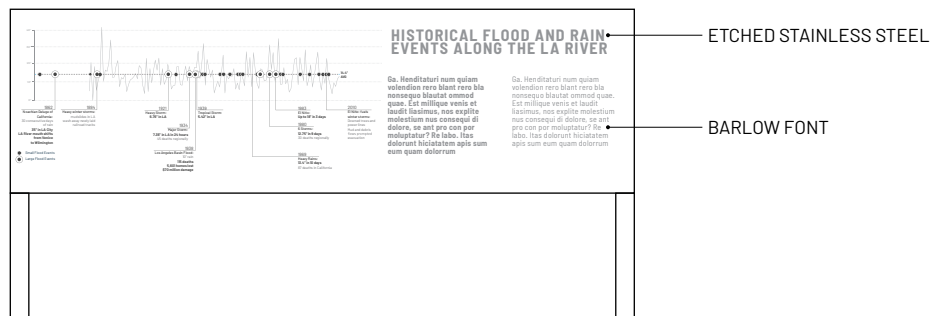
An exception is with large scale icon graphics, where the artist(s) have discretion on the final product. Materials in these four types of environmental graphics can be modified as long as they are water quality compliant (non-toxic and will not leach off into the river). Further, the form and content of the environmental graphics can be modified.

**ENVIRONMENTAL
GRAPHICS, AS WELL
AS OTHER FORMS OF
COMMUNITY EXPRESSION
THAT ADHERE TO THESE
GUIDELINES, CAN BE
CUSTOMIZED FOR EACH PROJECT**

INFORMATIONAL EXAMPLE



INTERPRETIVE EXAMPLE



LARGE SCALE ICON GRAPHICS EXAMPLE

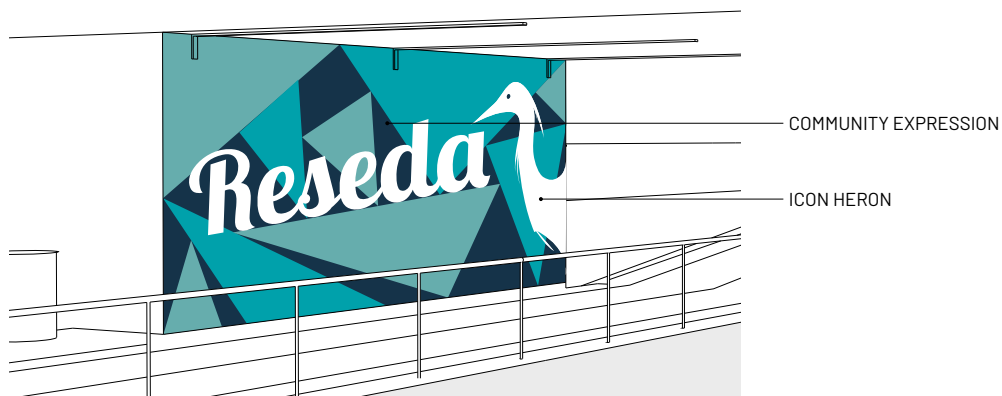


Figure 113. Elements of informational environmental graphics, interpretive signs and displays, and large scale icon graphics can all be customized for specific projects. Designers can create their own approaches within the outlined parameters on a project by project basis.

INSTALLATION & MAINTENANCE

Responsibility for maintaining signs should be determined prior to installation. Agencies may have requirements for inventory of signs within their jurisdiction. The Operational Services Division of LAC Public Works should be notified appropriately of all signs that they will be responsible for maintaining.

Required maintenance consists of regular inspections for vandalism, cleaning and repair as necessary and periodic replacement. A UV coating on aluminum inhibits fading of sign colors, but aluminum signs likely will need replacement after five to ten years. Frequent vandalism may shorten the lifespan.

SIGN MOUNTING

Where possible, signs should be mounted onto existing posts. For brand new sign installation for either new sign types or in completely new projects, these guidelines should be followed:

- Posts should be steel tube posts with finish matching RAL 9007.
- The post cap should be made from welded aluminum with all edges and corners neatly finished.
- The sign should be mounted to bracket with tamper-proof bolts, lock washers, and nuts.
- Natural rock bases or podiums should be avoided due to maintenance concerns.

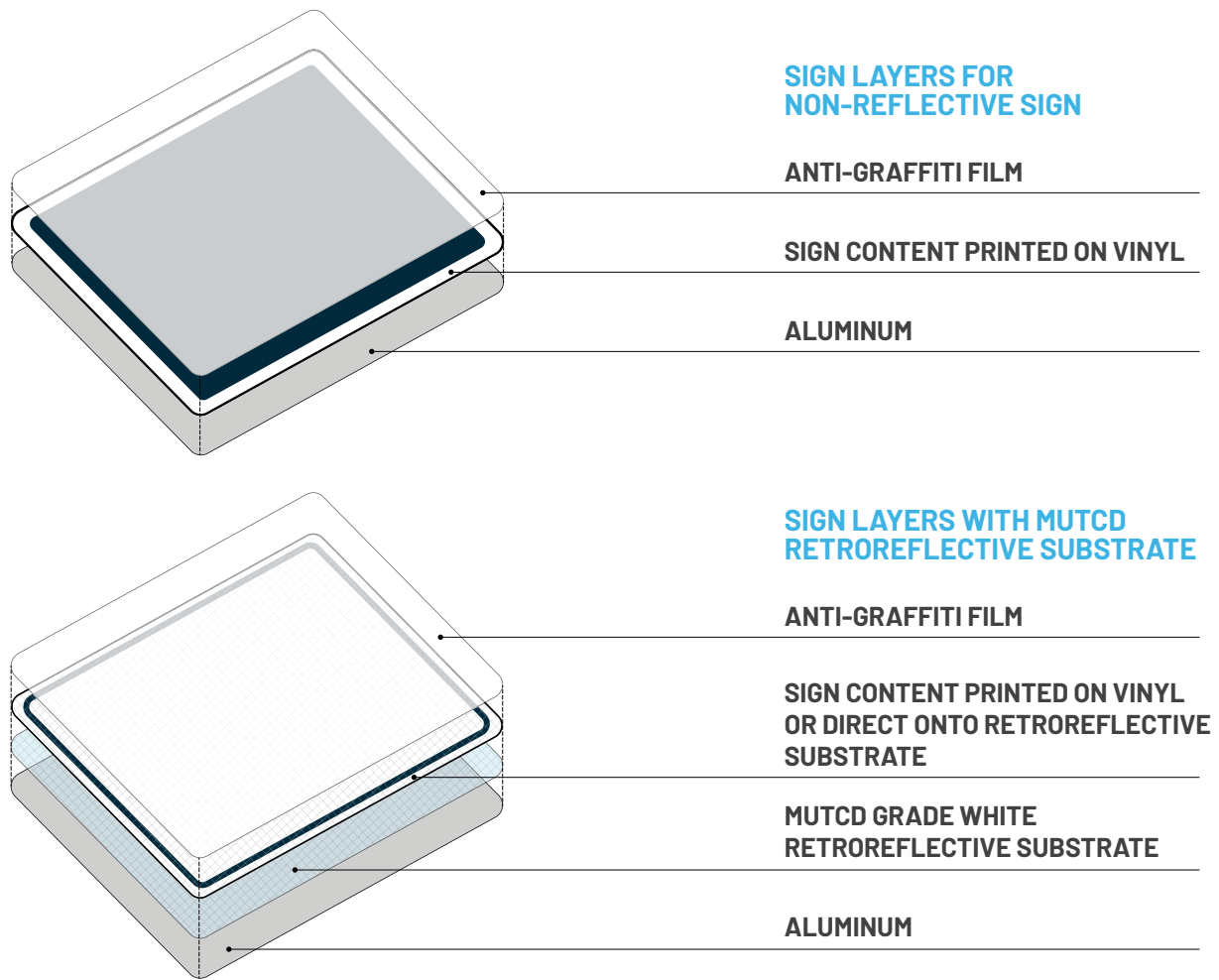


Figure 114. Common layers of an aluminum sign include anti-graffiti film, printed vinyl, and retroreflective substrate on aluminum. The best application of applied graphics using vinyl or print is to be determined by fabricator. Always confirm with the fabricator that graphics are protected for exterior environments.

VANDALISM

Many signs installed along the LA River will likely be vandalized at some point. Typical vandalism may be spray paint, etching or other destruction. Regular and diligent inspection of all signs is recommended on a weekly basis. At the time of inspection, if vandalism is found it should be immediately repaired or cleaned.

Aluminum signs are manufactured with an anti-graffiti coating. Anti-graffiti coatings and protective film must be specified to have a satin, non-glare finish for ADA compliance. The coating allows spray paint to be cleaned off using commercial products that are applied directly to the sign to wipe off spray paint. For other posts or surfaces, an anti graffiti barrier can be used to add a clear protective coating to painted wood, aluminum, metal, masonry, bricks, concrete, and stone.



Figure 115. Aluminum with rounded corners is used as the base of many types of signs. Source: OLIN, 2019.



Figure 116. Retroreflective substrates, colored film, and clear anti-graffiti film layer on top of aluminum to create the graphic of a sign. Source: OLIN, 2019.

RAL 9007



Figure 117. New sign posts should be RAL 9007.

MATERIALS

The materials used for environmental graphics are very important for its consistency and performance once installed. Required materials for the signs in these guidelines are 0.080 thick aluminum with rounded corners and an anti-graffiti film layer. Anti-graffiti film provides a cleanable and clear layer on top of the graphics of a sign, and if damage is severe enough can be a layer that is removed entirely for ease of maintenance. Always confirm with the fabricator that graphics are protected for exterior environments, including UV protection to avoid fading. Best application of applied graphics using vinyl or direct print to be determined by fabricator.

A retroreflective substrate should only be used on all bicycle route directional environmental graphics per MUTCD requirements. Refer to latest MUTCD guidelines for the most current level of retroreflectivity requirements.

PAVEMENT MARKING PAINT

WATER-BASED

- ENVIRONMENTAL IMPACT: Low
- COST: Medium
- DURABILITY: Medium

SOLVENT-BASED

- ENVIRONMENTAL IMPACT: High
- COST: Low
- DURABILITY: High

THERMOPLASTIC

- ENVIRONMENTAL IMPACT: Low
- COST: High
- DURABILITY: Very High

COLD PLASTIC

- ENVIRONMENTAL IMPACT: Low
- COST: Medium
- DURABILITY: Medium

Recommended

Figure 118. There are many options of paint for pavement markings. Thermoplastic and water-based paints are recommended for use along the LA River based on their durability and environmental impact.



Figure 119. Thermoplastic paint is a durable option for pavement markings on asphalt. Source: LeManna, Shutterstock.com, 2020.

BIKE TRAIL PAINT

Where possible, paints should be chosen for low environmental impact while balancing out initial and long-term O&M costs. The main types of paint include: water based (e.g., acrylic), solvent based, thermoplastic, and cold plastic. They are all applicable to asphalt and concrete and require primer before application. Reflective beads can be added to most types of paint to increase reflectivity.

Water based paints have the lowest environmental impact in production, application, and removal. When freezing temperatures are not a concern, water based paints are similar to durability as solvent based paints.

When specifying for bike trail paint, note the following considerations though many more exist and should be researched before final specifications are written: Water based paint should be specified as lead-free; Solvent based and thermoplastic paints should be specified with various Volatile Organic Compound (VOC) compliance standards depending on the additive (epoxy, polyurea, acetone, etc.); Caltrans and Federal Type I approved paint lists can be referenced and are widely available (The main difference between Federal and Caltrans approved guidelines are freezing temperature durability and differences in VOC compliance); Additional additives for texture and durability should be consulted for each type of paint, especially thermoplastics.

ENVIRONMENTAL GRAPHICS CHECKLIST

Reference the LACFCD and Public Works Permitting checklist on page 36 for an overview of project permitting and applicable codes.

Detailed Technical Requirements Checklist for Environmental Graphics

Standard Design Features

- ☐ Provide technical drawings showing signs matching specified requirements for current ADA font, size, contrast, bilingual content, braille, and Indigenuos Peoples references per permitting matrix on pg 118.
- ☐ Follow sign design template files available for download here: (Final link to be included in final guidelines)
- ☐ Ensure that any custom modifications occur only in these` environmental graphics categories: Informational, Interpretive Signs and Displays, and Large Scale Icon Graphics. Further, ensure that consistent elements are followed.

Placement and Sequence of Environmental Graphics

- ☐ Avoid sign clutter where possible.
- ☐ Follow placement of signs as recommended in Chapter 4. Show proposed sign placements in plan.
- ☐ Define scale of project (XS, S, M, L, XL - further defined in programming section in Chapter 2). Ensure lateral wayfinding and environmental graphics within project is installed leading to the project per the table page 116.
- ☐ Show that proposed heights of signs follow the recommendations for the appropriate category in this chapter.

Detailed Maintenance Program Checklist for Environmental Graphics

- ☐ Define jurisdiction responsible for ongoing maintenance and repair of environmental graphics.
- ☐ Specify appropriate anti-graffiti and UV film.
- ☐ Establish schedule for routine checks for vandalism, graffiti, or weathering (recommended on a weekly basis). Address minor fixes or replace signs as needed.