



SEATTLE - TACOMA INTERNATIONAL AIRPORT

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

VOLUME 2: Public Roadways



UPDATED: 1/8/2024

**WAYFINDING SIGNAGE
STANDARDS AND GUIDELINES**

**VOLUME 2:
Public Roadways**

CIVIL / TRANSPORTATION CONSULTANT



NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

TABLE OF CONTENTS

SHEET NO:

TOC-1

1.0 SEA WAYFINDING - STANDARDS & GUIDELINES

1.1 INTRODUCTION	1-1
1.2 MUTCD STANDARDS	1-2
1.3 SEA PUBLIC ROADWAYS WHERE MUTCD APPLIES	1-3
1.4 EXCEPTIONS TO MUTCD STANDARDS	1-4
1.5 SIGN UPDATE PROCEDURES	1-5

2.0 PUBLIC ROADWAY SIGN STANDARDS AND GUIDELINES

2.1 FUNCTION AND PURPOSE OF SIGN TYPES	2-1
2.2 MUTCD STANDARDS AND GUIDELINES	2-2
2.3 COMMON SIGNS, SYMBOLS, AND PICTOGRAPHS	2-4
2.4 MESSAGE HIERARCHY LIST: ROADWAY GUIDE SIGNS	2-5
2.5 DIRECTIONAL ARROWS	2-6

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

3.1 SIGN TYPE IDENTIFICATION SYSTEM	3-1
3.2 SIGN TYPE INDEX	3-2
3.3 SIGN TYPES	3-7
3.4 CURB USE REGULATION SIGN DETAILS	3-22
3.5 NON-MUTCD SIGN DETAILS	3-23

1.0

1.0 SEA WAYFINDING - STANDARDS & GUIDELINES

- 1.1 INTRODUCTION
- 1.2 MUTCD STANDARDS
- 1.3 SEA PUBLIC ROADWAYS WHERE MUTCD APPLIES
- 1.4 EXCEPTIONS TO MUTCD STANDARDS
- 1.5 SIGN UPDATES PROCEDURES

1.1 INTRODUCTION

Airports can be complex and difficult spaces to navigate. Numerous factors affect public perception and levels of customer service with the associated facilities. This is particularly true when modifications or upgrade programs are undertaken. Older terminals, parking facilities and roadways typically have outdated and inconsistent wayfinding signage systems not reflective of current world principles and standards, and improvement projects create even more challenges for individuals functioning within the airport's wayfinding processes.

As an airport continues to evolve, it is important that its wayfinding and signage systems be designed to accommodate changes in a holistic manner. It must be understood that regardless of an individual facility's demarcation, the wayfinding pathways extend to and from the surrounding roadways, parking, curbsides and terminal areas. Facility architecture, services, functions and amenities, as well as vertical and horizontal routes, must always be carefully considered and viewed as part of the airport's interconnected and overall wayfinding system.

Volume 2 of the SEA International Airport Wayfinding Signage Standards and Guidelines relates to Public Roadway signage, specifically the roadways owned and operated by the Port of Seattle that are used by the general public.

DOCUMENT ORGANIZATION

Volume 2 of the Wayfinding Signage Standards and Guidelines relates to Public Roadways and adjacent airport perimeter fencing facing Public Roadways. It is organized into three chapters:

1.0 SEA WAYFINDING - STANDARDS & GUIDELINES

Describes the general requirements that must be applied to the public roadway network and an overview of the sign update procedure.

2.0 PUBLIC ROADWAY SIGN STANDARDS AND GUIDELINES

Describes specific guidance in the Manual of Uniform Traffic Control Devices (MUTCD) that apply to the Port's public roadways, including sign purpose and function, sign types, message hierarchy and use of symbols, fonts, color and arrows.

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

Includes the overview, sign type index and design intent drawings for Series 4 wayfinding signage applicable to SEA's roadway areas. Presents example roadway guide signs, and includes details for many non-MUTCD signs that may be required by the FAA around the security perimeter.

OTHER WAYFINDING STANDARDS AND GUIDELINES

This document is part of a multi-volume set of SEA wayfinding signage standards and guidelines, and is organized into four volumes:

- Volume 1: Terminals and Concourses
- Volume 2: Roadways (this volume)
- Volume 3: Parking and Ground Transportation
- Volume 4: Airline
- Volume 5: Temporary Signage

Refer to specific volumes for wayfinding signage standards and guidelines pertaining to their unique airport areas and associated sign types.

ACRONYMS

AOA	Air Operations Area
CFR	Code of Federal Regulations
DOT	Department of Transportation
FAA	Federal Aviation Administration
FHWA	Federal Highway Administration
MUTCD	Manual of Uniform Traffic Control Devices
NAE	Northern Airport Expressway
RCW	Revised Code of Washington
SEA	Seattle-Tacoma International Airport
TCP	Traffic Control Plan
TSA	Transportation Security Administration
WSDOT	Washington State Department of Transportation
POS	Port of Seattle

1.2 MUTCD STANDARDS

- All signage on public roadways must comply with the Federal Highway Administration's (FHWA) Manual on Uniform Traffic Control Devices (MUTCD), produced per 23 Code of Federal Regulations (CFR), Part 655, Subpart F. The MUTCD defines the standards used by road managers nation-wide to install and maintain traffic control devices on all public streets, highways, bikeways, and private roads open to public traffic. Signage, including regulatory signs and informational wayfinding signs, are part of the MUTCD. The MUTCD defines attributes such as color, sign shape and size, font type and size, symbols, sign position and clearance from roadway edge, and length of text. The MUTCD requirements are meant to enhance safety and understanding for the roadway users by making sure that signs are consistent throughout the United States regardless of jurisdiction.
- At the time this document was prepared, FHWA was still utilizing the 2009 Edition of the MUTCD along with three subsequently published Revisions. FHWA is currently in the process of preparing the 11th Edition of the MUTCD, with updates every four years thereafter per the requirements of the 2021 Infrastructure Investment and Jobs Act. When each new edition is adopted, any new or updated sign installed should reflect the new standards unless application of the older standard is specifically approved by the Port of Seattle.
- It is acknowledged that prior to the 2009 version of the MUTCD, its guidance was not explicitly required for airport roadways. Therefore, many signs along the SEA roadway network may not comply with current MUTCD standards. When SEA public roadways are upgraded or reconstructed, existing signs should be assessed to determine if upgrades or replacement signs would be needed to meet MUTCD standards.
- This document provides information to assist with the design of new signs along SEA public roadways. It includes relevant information from the MUTCD 2009 Edition, and narrows choices to the Port's preferred treatments when MUTCD guidance provides optional treatments for commonly used signs.

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

1.3 SEA PUBLIC ROADWAYS WHERE MUTCD APPLIES

- These Roadway Signage Standards and Guidelines relate to SEA roadways used by the general public. They do NOT apply to roadways within the Airport Operations Area (AOA) or on roadways with restricted access. The public roadways are shown on Figure 1.3.1 and listed in Table 1.3.1.

Roadway	Start Point	End Point
MUTCD Sign Standard for Expressway		
Southbound Airport Expressway	State Route 518	Arrivals/Departures Gore Point
Northbound Airport Expressway	International Blvd. (S 182 nd St.)	State Route 518
MUTCD Sign Standard for Conventional Road		
Departures	Northern Airport Expressway (southbound)	Northern Airport Expressway (northbound)
Arrivals	Northern Airport Expressway (southbound)	Northern Airport Expressway (northbound) / International Blvd.
Air Cargo Rd	S 154 th St	S 170 th St
Air Cargo Rd	S 170 th St	North Security Gate Arms
Air Cargo Rd	Security Gate	28 th Ave S
S 156 th St.	Air Cargo Rd.	West end of Building (Transi-plex)
S 157 th Pl.	S 157 th Pl.	Perimeter Fence
S 160 th St.	Air Cargo Rd.	Host Rd.
S 161 st St.	Air Cargo Rd.	Perimeter Fence
S 166 th St.	Air Cargo Rd.	Perimeter Fence
S 168 th St.	S 168 th St.	Perimeter Fence
S 170 th St.	Air Cargo Rd.	Cell Phone Lot Road
S 190 th St.	28 th Ave S.	Parking Lot Access
24 th Ave S	S 192 nd St	S 194 th St
S 194 th / 196 th St	24 th Ave S	28 th Ave S
Starling Dr.	S 188 th St.	Perimeter Fence

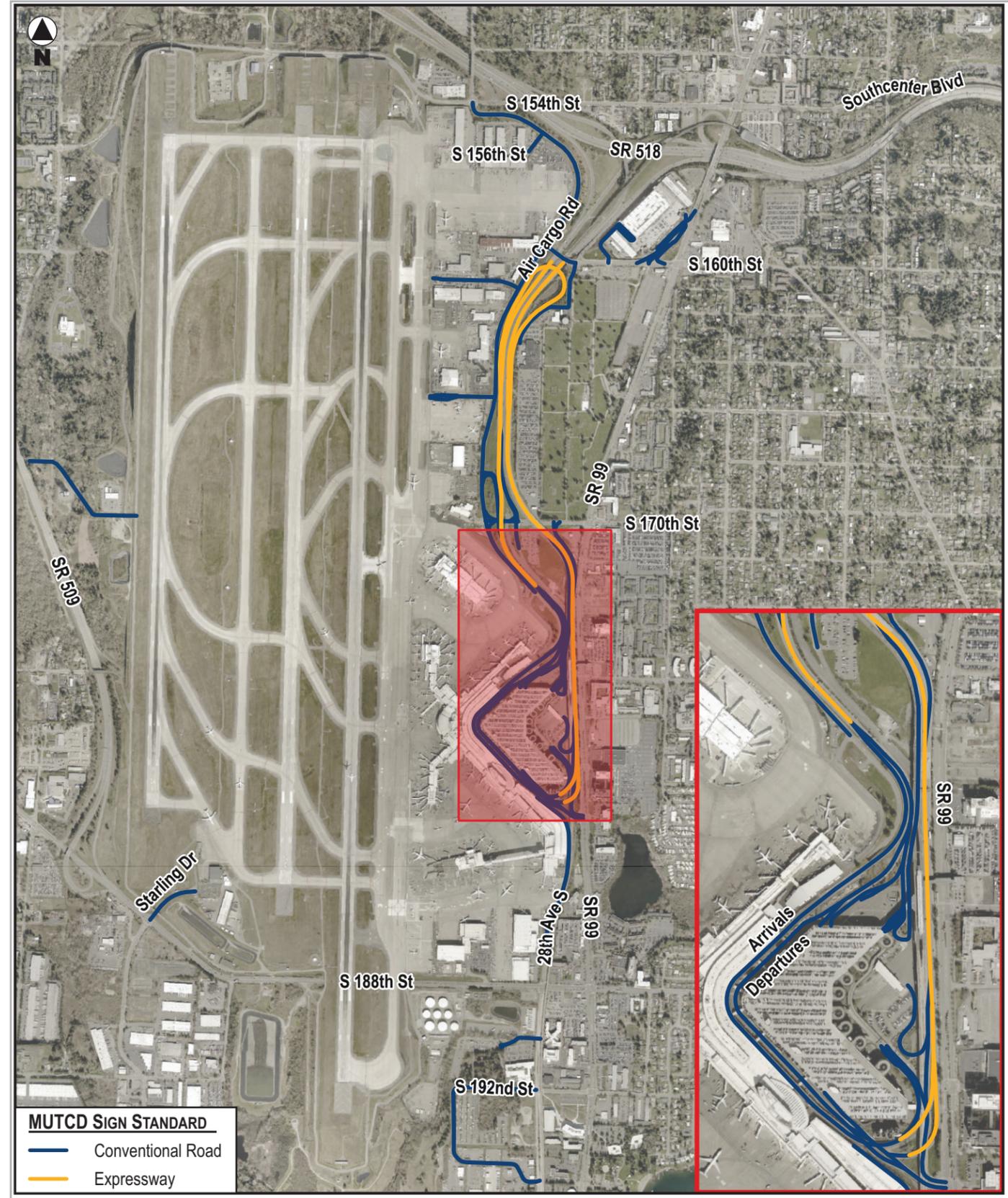


Figure 1.3.1 SEA Public Roadways Where MUTCD Applies

Table 1.3.1 Matrix of SEA Roadway Classifications

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:
1.0 SEA WAYFINDING - STANDARDS & GUIDELINES
 1.3 SEA PUBLIC ROADWAYS WHERE MUTCD APPLIES

1.4 EXCEPTIONS TO MUTCD STANDARDS

Terminal Passenger Load and Unload Areas

The Arrival and Departure roadways at SEA Airport are also subject to MUTCD standards. However, the curb zone where passengers load and unload at the Terminal may also utilize pedestrian wayfinding signs that do not need to comply with MUTCD standards (See Volume 1: Terminals and Concourses). In this zone, any regulatory or warning sign in the curb zone (e.g., “No Stopping or Standing,” “Speed Limit,” “Pedestrian Crossing”) shall comply with MUTCD. See sheet 3-22 to 3-23 for curb use regulation signs. Pedestrian wayfinding signs that do not comply with MUTCD or utilize other SEA Wayfinding protocols should be set back from the curb area when possible.

FAA Regulatory Signs

Some public roads are located adjacent to the AOA or other secured areas of the airport that are subject to FAA restrictions. Signs required by the FAA (such as “Authorized Vehicles Only,” or “No Drone Zone”) are not subject to these guidelines. Details for several Non-MUTCD signs are provided at the end of Chapter 3.

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

VOLUME 2: Public Roadways

CIVIL / TRANSPORTATION CONSULTANT



NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION

1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

1.0 SEA WAYFINDING - STANDARDS & GUIDELINES

1.4 EXCEPTIONS TO MUTCD STANDARDS

SHEET NO:

1.5 SIGN UPDATE PROCEDURES

1.5.1 Sign Replacement/Ordering Procedures

All proposals for new construction or alteration of signs shall be required to follow SEA's established review procedure categories as follows:

- Large Scale: New Construction, which includes:
 - New large scale design/construction projects/programs
 - New large scale interim/temporary sign projects/programs
- Small Scale: Sign Additions and Corrections, which includes:
 - General sign maintenance
 - Addition of a sign
 - Deletion of a sign
 - Implementation of an interim (temporary) sign
 - Miscellaneous sign issues

1.5.2 Governance

The process suggested herein reflects only the bare basics of a wayfinding and signage policy for all SEA departments, tenants, concessions, advertising and other on-going programs which could impact the passenger information orientation and decision-making requirements. Control must be from a central point and one department as determined by SEA:

- Design shall be submitted to the SEA Signage Project Manager.
- Design options, when applicable, will be submitted to SEA for review, selection, and approval.
- Design must detail sign size, text, symbols, arrows, color, borders, as well as the exact location along a roadway, including clearance from the edge of roadway and/or height above the top of pavement.
- Shop drawings shall be submitted to SEA prior to fabrication for review and approval.
- Conduct site visits and inspections on all signs during associated implementation phase of construction and other SEA signage projects.

1.5.3 Management and Control

- Permanent and interim (temporary) signage programs shall fall under the same management process relative to review, approval and implementation. The program shall also be controlled through SEA and should include code compliance review where applicable.
- A single point of contact shall be established (i.e. the Signage Project Manager).
- Sign installation or the construction of sign structures that require a partial or full closure of any travel lane shall require a Traffic Control Plan (TCP) approved by the SEA.

1.5.4 Designer / Fabricator Responsibility

This document is intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The sign designer/fabricator/contractor shall be responsible for all engineering and specifications with regard to structural, electrical, mechanical, foundation and installation.

1.5.5 As-Built Documentation

As part of any sign-related design and installation, documentation of the final built condition shall be provided to SEA at the completion of a project. The following drawings shall be included at a minimum:

- Sign location plans that illustrate the accurate placement of each sign. Each individual sign on the drawings shall be given a unique reference sign number. If the signs are already a part of a re-numbered system, SEA staff should be consulted for existing sign reference numbers so that new or replacement signs are coordinated with the existing numbering system.
- Sign elevation drawings that illustrate the mounting height of all sign types. All overhead signs must meet minimum roadway clearance standards.
- Sign fabrication detail drawings (construction documents) that illustrate all sign components, including sign, sign structure or post, and foundation.
- If the sign is to be affixed to an new/existing structure, post or building, wind load calculations will be required.
- Detailed sign attachment shop drawings that illustrate how the sign is attached to the building, fence or site.
- Copies of as-built drawings shall be reviewed and approved by SEA prior to submittal and final versions.

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:
**1.0 SEA WAYFINDING -
STANDARDS & GUIDELINES**
1.5 SIGN UPDATE PROCEDURES

2.0

2.0 PUBLIC ROADWAY SIGN STANDARDS AND GUIDELINES

- 2.1 FUNCTION AND PURPOSE OF SIGNS
- 2.2 MUTCD STANDARDS AND GUIDELINES
- 2.3 COMMON SIGNS, SYMBOLS, AND PICTOGRAPHS
- 2.4 MESSAGE HIERARCHY LIST: ROADWAY GUIDE SIGNS
- 2.5 DIRECTIONAL ARROWS

2.1 FUNCTION AND PURPOSE OF SIGN TYPES

All signage on public roadways must comply with the latest edition of the Federal Highway Administration's (FHWA) Manual on Uniform Traffic Control Devices (MUTCD). The functions of signs are to provide regulations, warnings, and guidance information for road users. Words, symbols, and arrows are used to convey the messages. The MUTCD has sign requirements for many types of signs. Those that would most commonly be used at SEA Airport are regulatory signs, warning signs, and guide signs.

The MUTCD warns against excessive use of regulatory and warning signs since overuse can lessen their effectiveness. However, it allows frequent use of route signs and guide signs since their use keeps roadway users informed about their destination, which in turns improves operations by extending the time and space that drivers have to change lanes or prepare for turns.

Regulatory Signs

Regulatory signs are used to inform road users of select traffic laws and shall be installed at or near where the regulations apply. Common regulatory signs include a Stop, Yield, Speed Limit, No Right Turn, No Left Turn, One-Way, Wrong Way, No Parking and many others. Each sign has a standard MUTCD sign designation code that is used to indicate sign type on plan sheets and to fabricators. The minimum size of the sign is determined by the type of facility, with larger signs required on higher-speed facilities such as a freeway than would be required for a local road. MUTCD Table 2B-1 lists all regulatory signs, the sign designation code, and minimum size requirements. The FHWA provides standardized layouts for regulatory signs in its Standard Highway Signs. See sheet 3-22 to 3-23 for special use regulatory signs for the terminal and rental loading area.

Warning Signs

Warning signs call attention to unexpected conditions on or adjacent to roads that might not be readily apparent to road users. Warning signs alert road users to conditions that might call for a reduction of speed or an action in the interest of safety and efficient traffic operations. Most warning signs are yellow, diamond-shaped signs with black legend and border. Common warning signs are Stop Ahead, Intersection Ahead, Curve Ahead, Merge, Exit Only, and Low Clearance. MUTCD Table 2C-2 lists sign designation codes and minimum size requirements for warning signs. Standard layouts are also provided in FHWA's Standard Highway Signs.

Guide Signs

Guide signs are essential to direct road users along streets and highways, to inform them of intersecting routes and to direct them to important destinations. The guide signs for destination outside of the airport shall have a white message and border on a green background. The guide signs for SEA destination can be augmented using white message and border on a blue background.

There are no standard dimensions for guide signs. The sign size is determined primarily by the length of the message and the size of the lettering and spacing necessary for proper legibility. The MUTCD has requirements for lettering style (font) and spacing based on the roadway type and speed. It also has standards related to the use of upper-case and

lower-case letters. Finally, the MUTCD has guidance related to the length of text that should be provided since long messages take longer for a road user to comprehend. To limit the amount of text on guide signs, signs should progress along a road user's route. Signs at the start of the route should prioritize text for major destinations at SEA. As road users advance along the driving route, signs can include Secondary messages. The message hierarchy at SEA Airport is provided in the Message Hierarchy List.

OUTSIDE REFERENCES

MUTCD CHAPTERS AND SECTIONS		
CHAPTER 1A.	GENERAL	https://mutcd.fhwa.dot.gov/htm/2009/part1/part1a.htm
Section 1A.10	Interpretations, Experimentations, Changes, and Interim Approvals	https://mutcd.fhwa.dot.gov/htm/2009/part1/part1a.htm#section1A10
Section 1A.12	Color Code	https://mutcd.fhwa.dot.gov/htm/2009/part1/part1a.htm#section1A12
CHAPTER 2A.	GENERAL (Signs)	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2a.htm
Section 2A.07	Retroreflectivity and Illumination	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2a.htm#section2A07
Section 2A.08	Maintaining Minimum Retroreflectivity	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2a.htm#section2A08
Section 2A.13	Word Messages	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2a.htm#section2A13
Section 2A.14	Sign Borders	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2a.htm#section2A14
CHAPTER 2D.	GUIDE SIGNS—CONVENTIONAL ROADS	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2d.htm
Section 2D.06	Size of Lettering	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2d.htm#section2D06
Section 2D.08	Arrows	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2d.htm#section2D08
CHAPTER 2E.	GUIDE SIGNS—FREEWAYS AND EXPRESSWAYS	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2e.htm
Section 2E.16	Sign Borders	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2e.htm#section2E16
Section 2E.19	Arrows for Interchange Guide Signs	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2e.htm#section2E19
MUTCD TABLES AND FIGURES		
Table 1A-1	Acceptable Abbreviations	https://mutcd.fhwa.dot.gov/htm/2009/part1/part1a.htm#table1A01
Table 2B-1	Regulatory Sign and Plaque Sizes	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2b.htm#table2B01
Table 2C-2	Warning Sign and Plaque Sizes	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2c.htm#table2C02
Table 2E-5	Minimum Letter and Numeral Sizes for Freeway Guide Signs According to Sign Type	https://mutcd.fhwa.dot.gov/htm/2009/part2/part2e.htm#table2E05
MUTCD - STANDARD HIGHWAY SIGNS (SHS) PUBLICATION		
	Standard Highway Signs 2004 Edition and 2012 Supplement	https://mutcd.fhwa.dot.gov/ser-shs_millennium.htm
	WSDOT	
Chapter 1020 Signing (PDF)	WSDOT Design Manual	https://wsdot.wa.gov/publications/manuals/fulltext/M22-01/1020.pdf
Chapter 2 Signs (PDF)	WSDOT Traffic Manual	https://wsdot.wa.gov/publications/manuals/fulltext/M51-02/Chapter2.pdf
Full Sign Fabrication Manual (PDF)	WSDOT Sign Fabrication Manual	https://www.wsdot.wa.gov/publications/manuals/fulltext/M55-05/Signfab.pdf

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

2.2 MUTCD STANDARDS AND GUIDELINES

The following sections provide relevant information from the MUTCD 2009 Edition and Standard Highway Signs (2004 Edition/2012 Supplement) related to sign features commonly used at SEA. This is intended to simplify the sign design process, and provide guidance related to the Port's preferred treatments when MUTCD allows optional treatments. This information does not supersede the designer's engineering judgment related to sign text, size, location, support system, illumination, and other features.

2.2.1 Sign Color

Color of sign background must utilize the standard color palette established color by 23 CFR Part 655 Appendix to Subpart F (MUTCD 1A.12). Common colors that may be utilized on SEA roadway signs include:

MUTCD Red – Can only be used for a “Stop” sign, “Yield” sign, or a prohibition.

MUTCD Yellow – Used as for warning signs such as over-height clearance limits, and diamond-shaped warning signs.

MUTCD White – Used for regulation signs such as Speed Limit signs, or Parking regulation signs.

MUTCD Blue – (defined as “road user service guidance, tourist information” signs). Use this color on signs along arrival routes.

MUTCD Green – Direction Guidance. Use this for non-tourist destinations on arrivals (e.g., exit to City street), and use for departure routes.

2.2.2 Lettering and Font Size

All sign lettering is to be consistent with those in the current edition of the FHWA's Standard Highway Signs. Names of places, streets, and highways shall be composed of lower-case letters with initial upper-case letters. Other words shall be composed of upper-case letters (MUTCD 2A.13). All letter fonts shall be from the Standard Alphabets for Traffic Control Devices (Standard Alphabets), which developers commonly refer to as “Highway Gothic Font”. The Standard Alphabets are comprised of Series B, C, D, E, E Modified (EM), and F (See 2004 Edition of Standard Highway Signs Standard Alphabets). These Series are ordered from narrowest to widest.

Minimum letter and numeral sizes for guide signs on the Northern Airport Expressway shall be in accordance with MUTCD Table 2E-5. Guide signs should use a Series EM font.

Minimum letter and numeral sizes for guide signs on all other roads, letters shall be in accordance with MUTCD Section 2D.06. The majority of guide signs should use a Series C font, but the use of Series D is acceptable for improving readability.

Spacing between letters of the legend is a function of the font. Individual spacing also depend on what letters are being used. This information can be found in FHWA's Standard Alphabets for Traffic Control Devices. Most software packages have this information built in. Spacing between words of the legend is called out in FHWA's Standard Highway Signs.

2.2.3 Sign Size

The MUTCD specifies the minimum size and designation codes for regulatory signs (MUTCD Table 2B-1) and warning signs (MUTCD Table 2C-2). The FHWA provides standardized layouts for regulatory and warning signs in its Standard Highway Signs.

There are no standard dimensions for guide signs, The sign size is determined primarily by the length of the message and the size of the lettering and spacing necessary for proper legibility. The MUTCD has requirements for lettering style (font) and spacing based on the roadway type and speed. It also has standards related to the length of the message and the use of upper-case and lower-case letters.

2.2.4 Common Place Names

The following nomenclature and abbreviations should be used on guide signs. Abbreviations must be immediately recognizable by the viewer and are only used to avoid excessively long sign messages. Do not use abbreviations if the controlling (longest) message line is long enough to allow use of the complete word. Acceptable abbreviations can be found in MUTCD Table 1A-1. If needed to reduce the size of a sign, additional abbreviations may be used with SEA staff approval.

Street Names	Locations
Air Cargo Road (Rd)	Rental Car Return
International Boulevard (Blvd)	Cell Phone Lot
	Terminal
	Parking
	Arrivals
	Departures

Guide signs should not list the names of airlines, rental car companies, or businesses unless that information is used to improve traffic flow. An example may be a guide sign that directs Arrivals traffic to one lane for “Alaska Airlines,” and another lane for “All Other Airlines”. Otherwise, such names can be attached to buildings per the Wayfinding Standards in Volume 1: Terminal and Concourses or Volume 3: Parking and Ground Transportation.

2.2.5 Arrows

Arrows are used for lane assignment and to indicate the direction toward designated routes or destinations. Detailed drawings and standardized arrow sizes based on ranges of letter heights are provided in FHWA's Standard Highway Signs. For the Northern Airport Expressway, usage of arrows shall be in accordance with MUTCD Sections 2E.19. All other roadways shall comply with MUTCD Section 2D.08. More details about Directional Arrows is provided in Chapter 2.5 below.

2.2.6 Symbols and Pictographs

The MUTCD (2A.06) states that, “All symbols shall be unmistakably similar to, or mirror images of, the adopted symbol signs, all of which are shown in the “Standard Highway Signs and Markings” book. Symbols and colors shall not be modified unless otherwise provided in this Manual. All symbols and colors for signs not shown in the “Standard Highway Signs and Markings” book shall follow the procedures for experimentation and change described in Section 1A.10. Symbols and route shields can be used without additional explanatory text. Common symbols are shown in Chapter 2.3 below.

Many airports have utilized pictographs of a plane descending to denote “Arrivals,” and a plane ascending to denote “Departures.” Some airports also use pictographs for “Rental Cars” and “Cell Phone Lots.” However, none of these are listed as acceptable symbols in the MUTCD since they have not undergone testing for legibility and comprehension. Such symbols may be adopted in future editions of the MUTCD. Until then, the pictographs should only be used if accompanied by explanatory text. Pictographs, and their required explanatory text, that have been approved by Port of Seattle staff can be found in Chapter 2.3.

2.2.7 Use of SEA Logo

A pictograph of the SEA logo may be used on directional wayfinding signs, but is not recommended unless the logo improves motorist awareness of a destination. The logo may be most appropriate to sign for employee-only destinations such as a parking lot or secured access location. Use of the logo may also be appropriate for signs along connecting state highways, which could be requested when the Washington State Department of Transportation updates or installs signs on those routes.

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

2.2 MUTCD STANDARDS AND GUIDELINES

2.2.8 Sign Border and Corners

MUTCD requires that "The corners of all sign borders shall be rounded, except for STOP signs." (MUTCD 2A.14.02)

Borders are also required (MUTCD 2A.14.03). It states, "A dark border on a light background should be set in from the edge, while a light border on a dark background should extend to the edge of the sign. A border for 30-inch signs with a light background should be from 1/2 to 3/4 inch in width, 1/2 inch from the edge. For similar signs with a light border, a width of 1 inch should be used. For other sizes, the border width should be of similar proportions, but should not exceed the stroke-width of the major lettering of the sign. On signs exceeding 72 x 120 inches in size, the border should be 2 inches wide, or on larger signs, 3 inches wide. Except for STOP signs and as otherwise provided in Section 2E.16, the corners of the sign should be rounded to a radius that is concentric with that of the border."

2.2.9 Reflectivity and Illumination

Regulatory, warning and guide signs shall be retroreflective to show the same shape and similar color by both day and night. Refer to MUTCD Section 2A.07, 2A.08, and WSDOT Design Manual Chapter 1020.03(1) for retroreflectivity and illumination requirements. Reflective sign sheeting material shall be per WSDOT Traffic Manual Chapter 2-2.2 (See WSDOT Exhibit 2-2 to right). Refer to FHWA 2014 Traffic Sign Retroreflective Sheeting Identification Guide for sheeting material information. Minimum maintained retroreflectivity levels requirement shall be met per MUTCD Section 2A.08 Table 2A-3 (table to right). Where there is no serious interference from extraneous light sources, retroreflective post-mounted and overhead signs usually provide adequate nighttime visibility. Signs at SEA shall not be illuminated unless otherwise noted and approved by SEA.

Sign Type	Sheeting Type (Background)	Sheeting Type (Legend, Symbols, Border)
Regulatory		
• Ground Mounted	IV	N/A ¹
• Overhead	IV	N/A
Warning		
• Ground Mounted	IV	N/A
• Overhead	XI	N/A
Guide Signs		
• Ground Mounted	IV	IV
• Overhead Exit Only	IV or XI ²	XI
• Overhead Left Side Exits	IV	XI
• Other Overhead Guide	IV	XI
• Overhead Street Name	IV	XI
• Route Markers (M-Series Signs)	IV	IV ³
General Information (I-Series Signs)		
• Ground Mounted	IV	IV
• School (S-Series Signs) ⁴ (S1-1, S4-3, "School" portion of S5-1, and S5-101)	XI	N/A
Milepost Markers		
• Ground Mounted	IV	IV
Blue and Brown Background Signs		
• Ground Mounted	IV	IV
Fluorescent Orange (Work Zone Signs)		
• Ground Mounted	X	N/A

¹ Red is Type IV, black is non-reflective.

² For Yellow Background sheeting, use Type XI Fluorescent sheeting.

³ Black is non-reflective.

⁴ Fluorescent Yellow Green (FYG) sheeting.

WSDOT Traffic Manual Exhibit 2-2 Reflective Sheeting Requirements

Sign Color	Sheeting Type (ASTM D4956-04)				Additional Criteria
	Beaded Sheeting		Prismatic Sheeting		
	I	II	III	III, IV, VI, VII, VIII, IX, X	
White on Green	W*; G ≥ 7	W*; G ≥ 15	W*; G ≥ 25	W ≥ 250; G ≥ 25	Overhead
	W*; G ≥ 7		W ≥ 120; G ≥ 15		Post-mounted
Black on Yellow or Black on Orange	Y*; O*		Y ≥ 50; O ≥ 50		2
	Y*; O*		Y ≥ 75; O ≥ 75		3
White on Red			W ≥ 35; R ≥ 7		4
Black on White			W ≥ 50		–

¹ The minimum maintained retroreflectivity levels shown in this table are in units of cd/lx/m² measured at an observation angle of 0.2° and an entrance angle of -4.0°.

² For text and fine symbol signs measuring at least 48 inches and for all sizes of bold symbol signs

³ For text and fine symbol signs measuring less than 48 inches

⁴ Minimum sign contrast ratio ≥ 3:1 (white retroreflectivity ÷ red retroreflectivity)

* This sheeting type shall not be used for this color for this application.

Bold Symbol Signs		
<ul style="list-style-type: none"> W1-1,2 – Turn and Curve W1-3,4 – Reverse Turn and Curve W1-5 – Winding Road W1-6,7 – Large Arrow W1-8 – Chevron W1-10 – Intersection in Curve W1-11 – Hairpin Curve W1-15 – 270 Degree Loop W2-1 – Cross Road W2-2,3 – Side Road W2-4,5 – T and Y Intersection W2-6 – Circular Intersection W2-7,8 – Double Side Roads 	<ul style="list-style-type: none"> W3-1 – Stop Ahead W3-2 – Yield Ahead W3-3 – Signal Ahead W4-1 – Merge W4-2 – Lane Ends W4-3 – Added Lane W4-5 – Entering Roadway Merge W4-6 – Entering Roadway Added Lane W6-1,2 – Divided Highway Begins and Ends W6-3 – Two-Way Traffic W10-1,2,3,4,11,12 – Grade Crossing Advance Warning 	<ul style="list-style-type: none"> W11-2 – Pedestrian Crossing W11-3,4,16-22 – Large Animals W11-5 – Farm Equipment W11-6 – Snowmobile Crossing W11-7 – Equestrian Crossing W11-8 – Fire Station W11-10 – Truck Crossing W12-1 – Double Arrow Plaques W16-5P,6P,7P – Pointing Arrow W20-7 – Flagger W21-1 – Worker

Fine Symbol Signs (symbol signs not listed as bold symbol signs)		
Special Cases		
<ul style="list-style-type: none"> W3-1 – Stop Ahead: Red retroreflectivity ≥ 7 W3-2 – Yield Ahead: Red retroreflectivity ≥ 7; White retroreflectivity ≥ 35 W3-3 – Signal Ahead: Red retroreflectivity ≥ 7; Green retroreflectivity ≥ 7 W3-5 – Speed Reduction: White retroreflectivity ≥ 50 For non-diamond shaped signs, such as W14-3 (No Passing Zone), W4-4P (Cross Traffic Does Not Stop), or W13-1P,2,3,6,7 (Speed Advisory Plaques), use the largest sign dimension to determine the proper minimum retroreflectivity level. 		

MUTCD Table 2A-3 Minimum Maintained Retroreflectivity Levels

2014 Traffic Sign Retroreflective Sheeting Identification Guide



This document is intended to help identify sign sheeting materials for rigid signs and their common specification designations. It is not a qualified product list. FHWA does not endorse or approve sign sheeting materials. Many other sheeting materials not listed here are available for delineation and construction/work zone uses. Many sign sheeting materials have watermarks and/or patterns that are used to identify the material type and manufacturer. The watermarks shown in this guide have been enhanced. The watermarks will be less visible in practice and may not be present on smaller pieces of sheeting due to the spacing.

Retroreflective Sheeting Materials Made with Glass Beads								
Example of Sheeting (Shown to scale)	I	II	II	III	III	III	III	III
ASTM D4956-04	I	II	II	III	III	III	III	III
ASTM D4956-13	I	II	II	III	III	III	III	III
AASHTO M268-13	(1)	(1)	(1)	A	A	A	A	A
Manufacturer	Several companies	Avery Dennison®	Nippon Carbide	3M™	ATSM, Inc.	Avery Dennison®	Nippon Carbide	ORAFOL Americas Inc
Brand Name	Engineer Grade	Super Engr Grade	Super Engr Grade	High Intensity	High Intensity	High Intensity	High Intensity	ORALITE® High Intensity
Series	Several	T-2000	15000	2800 3800	ATSM HI	T-5500	N500	5800
NOTES:	(2) (8)	(3) (4) (9)	(4)	(3) (4) (9)	(4)	(4)	(4)	(4)

- 1) Sheeting material does not meet minimum AASHTO classification criteria.
- 2) Glass Bead Engineer Grade sheeting is uniform without any patterns or identifying marks.
- 3) Material no longer sold in the United States as of the date of this publication.
- 4) Section 2A.08 of the 2009 MUTCD (<http://mutcd.fhwa.dot.gov>) does not allow this sheeting type to be used for new legends on green signs.

- ASTM D4956-04 is referenced in Table 2A-3 of the 2009 MUTCD.
- ASTM D4956-13 is the most current ASTM sign sheeting specification (the 2013 version is designated by "-13").
- AASHTO M268-13 is the most current AASHTO specification (the 2013 version is designated by "-13").

Manufacturer Contact Information

3M - <http://www.3m.com/roadwaysafety> ATSM, Inc. - <http://www.atsminc.com>
 Avery Dennison - <http://www.reflectives.averydennison.com> Nippon Carbide - <http://www.nikkalite.com>
 ORAFOL Americas Inc. - <http://www.orafolamericas.com>

FHWA Publication Number: FHWA-SA-14-022. You may download and print the electronic version of this document, available at www.fhwa.dot.gov/retro

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

2.3 COMMON SIGNS, SYMBOLS, AND PICTOGRAPHS

Table 1: Common Signs

Common Sign									
MUTCD Sign Code	R5-11	R5-1	R3-1	R7-4	W4-2	R3-5	R2-1	R1-1	R1-2
Notes	Regulatory selective exclusion sign	Regulatory selective exclusion sign	Regulatory movement prohibition sign	Regulatory parking, standing, and stopping sign	Warning Merge sign	Regulatory movement prohibition sign	Regulatory sign displaying the speed limit	Regulatory stop sign	Regulatory yield sign

Table 2: Common Symbol/Shield

Symbol									
Notes	Airport	Bicycle	Pedestrian	Truck Parking	Truck				
Shields									
Notes	Shields for local interstates	Example shields for WA state routes. Should not include black exterior when used on guide signage							

Table 3: Common SEA Pictograph

Pictograph									
Notes	Airport Terminal	Departures	Arrivals	Parking	Overheight Parking	Rental Cars	Cell Phone Lot		

1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

2.4 MESSAGE HIERARCHY LIST: ROADWAY GUIDE SIGNS

		MESSAGE PRIORITY	
		PRIMARY	SECONDARY
SIGN USE / FUNCTION	Directional Overhead	Terminal Name (if additional terminals added) Rental Cars Airport Exit Return to Terminal Major highways (e.g. I-5, SR 99, SR 518)	Departures Arrivals Airline (Only if needed for lane assignments to improve operations) Parking Cell Phone Lot Air Cargo Rd International Blvd Commercial Vehicles Only
	Directional Roadside	Terminal Name (if additional terminals added) Parking Rental Cars Cell Phone Lot	Airport Exit Return to Terminal(s) Oversize Vehicles Air Cargo Rd International Blvd
	Regulatory/ Warning	No Parking Fire Lane Pedestrian/Crossing Authorized Personnel Only Tow Away Zone Do Not Enter FAA, TSA notices	

Figure 2.4.1

Message Hierarchy List: **Roadway Guide Signs**

NO.	DATE	PAGE REVISION

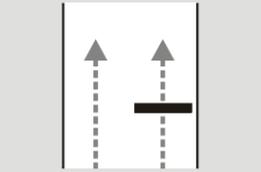
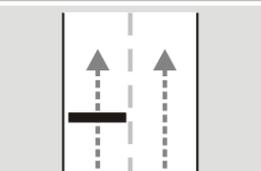
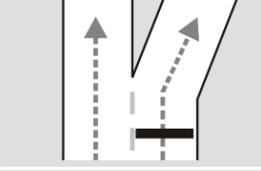
NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

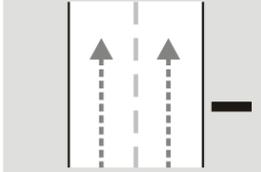
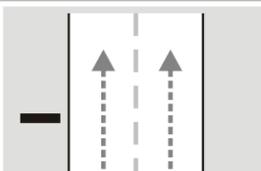
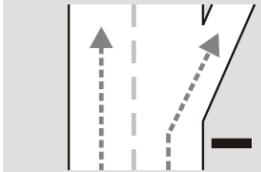
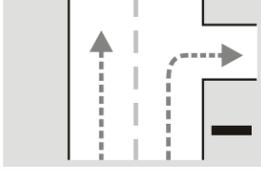
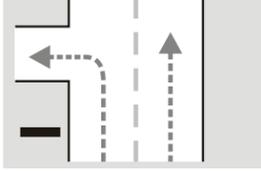
These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:
2.0 PUBLIC ROADWAY SIGN STANDARDS AND GUIDELINES

2.4 MESSAGE HIERARCHY LIST: ROADWAY GUIDE SIGNS

2.5 DIRECTIONAL ARROWS

OVERHEAD OR CANTILEVER GUIDE SIGN Directionals		
ARROW ROTATION	LOCATION PLAN EXAMPLE	MESSAGE CONVEYED
 270° (6 o'clock)		Straight Ahead: Use This Lane Exit Only (Arrow Justified Center)
 270° (6 o'clock)		Straight Ahead: Use This Lane Exit Only (Arrow Justified Center)
 135° (10:30)		Exit/Ahead on the Left (Arrow Justified Center)
 45° (1:30)		Exit/Ahead on the Right (Arrow Justified Center)

ROADSIDE Directionals		
ARROW ROTATION	LOCATION PLAN EXAMPLE	MESSAGE CONVEYED
 90° (12 o'clock)		Straight Ahead (Arrow Justified Left)
 90° (12 o'clock)		Straight Ahead (Arrow Justified Right)
 45° (1:30)		Exit/Ahead on the Right (Arrow Justified Right)
 0° (3:00)		To the Right (Arrow Justified Right)
 135° (10:30)		Exit/Ahead on the Left (Arrow Justified Left)
 180° (9 o'clock)		To the Left (Arrow Justified Left)

NOTES:
Arrow applications shown are for general reference only. Arrow type and application may vary based on condition. Reference MUTCD for additional standards and guidelines.

Figure 2.5.1

Wayfinding Arrows: Applications - **Vehicular**

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

3.0

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

- 3.1 SIGN TYPE IDENTIFICATION SYSTEM
- 3.2 SIGN TYPE INDEX
- 3.3 SIGN TYPES
- 3.4 CURB USE REGULATION SIGN DETAILS
- 3.5 NON-MUTCD SIGN DETAILS

3.2 SIGN TYPE INDEX

GENERAL NOTES:

- All final design, engineering and sizing of structural sign support elements, material types/thicknesses, dimensions and attachment methods shall be performed and approved by a licensed engineer to meet or exceed all applicable local and national codes.
- Final engineering, dimensions, materials and fabrication are the responsibility of the Contractor/Fabricator/Installer to ensure the highest quality fit and finish for all components of the completed product. All final detailing and specifications to be provided by the Contractor/Fabricator/Installer within their final approved fabrication-ready shop drawings.
- Wherever dissimilar metals are in contact, always separate contact surfaces prior to assembly or installation with the necessary protective coatings/gaskets/washers to prevent galvanic corrosion.
- Final fabrication methods, quality and fit / finish to be reviewed & approved by SEA and the Wayfinding Design Consultants thru prototype reviews prior to final production run / installation processes.
- Colors shown are for reference only, and are subject to the limitations of the printing process and / or variance of electronic RGB screen displays. Refer to color system swatches and/or final finish samples for accurate reference.
- Messages shown here are typical placeholders only. See message schedules for specific messaging by location & sign type.

SIGN TYPE NUMBER	DESCRIPTION	SHEET
4-DR.01	Overhead Property Exit Directional - 1 lane, 1 arrow, 1 to 2 message lines	3-9
4-DR.02	Overhead Commercial Vehicle Exit Directional - 1 lane, 1 arrow, 2 message lines	3-9
4-DR.03	Overhead 1 Lane Panel - 1 arrow, 1 to 2 message lines	3-10
4-DR.04	Overhead Large 1 Lane Panel - 1 arrow, 1 to 2 message lines	3-10
4-DR.05	Overhead 2 Lane Directional - 2 arrows, 1 to 2 message lines	3-11
4-DR.06	Overhead 2 Lane Directional w/ Divider Line - 2 arrows, 1 primary message; 2 secondary messages	3-11
4-DR.07	Overhead 3 Lane Directional - 3 arrows, 1 to 4 messages	3-11
4-DR.08	"Thru Traffic" Skybridge Mounted Directional	3-12
4-DR.09	"Load/Unload" Skybridge Mounted Directional	3-12
4-DR.11	Overhead 1 Lane Panel w/ DOT Header - 1 arrow, 1 to 2 message lines	3-13
4-DR.12	Overhead 2 Lane Panel w/ DOT Header - 2 arrows, 1 to 2 message lines	3-14
4-DR.13	Overhead 1 Lane Panel w/ Clearance Footer - 1 arrow, 1 message line	3-14
4-DR.14	Overhead 2 Lane Panel w/ Clearance Footer - 2 arrows, 1 message line	3-14
4-DR.15	Overhead 2 Lane Panel w/ Clearance Footer - 2 arrows, 1 to 2 message lines	3-14
4-DR.21	Large 1 Post Roadside Directional - 2 arrows, 2 panels	3-15
4-DR.22	Large 1 Post Roadside Directional - 1 to 2 arrows	3-16
4-DR.23	Medium 1 Post Roadside Directional - 1 to 2 arrows, 2 panels	3-17
4-DR.31	Large 2 Post Roadside Directional - 2 arrows, 2 panels	3-18
4-DR.32	Medium 2 Post Roadside Directional - 1 to 2 arrows	3-19
4-DR.33	Small 2 Post Roadside Directional - 1 arrow	3-20
4-DR.41	3 Post Roadside Directional, Extra Large - 2 to 3 arrows	3-21
2-RG.01	Curb Use Regulation - Departures	3-22
2-RG.02	Curb Use Regulation - Arrivals	3-22
2-RG.03	Curb Use Regulation - Arrivals, with Plaque	3-22
2-RG.04	Curb Use Regulation - Arrivals, Amenities	3-23
2-RG.05	Seatbelts and Firearms	3-23
5-RG.01	Think Security	3-24
5-RG.02	No Trespassing	3-24
5-RG.03	No Drone Zone	3-24
5-IN.01	Manually Operated Gate	3-24
5-IN.02	Fire Hydrant	3-25
5-IN.03	Fire Exterior	3-25
5-ID.01	Gate ID	3-25
2-RG.11	Fire Lane	3-25
3-IN.01	EV Parking	3-26
3-IN.02	Traffic Control	3-27

Table 3.2.1 SEA Roadway Sign Type Index

1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

**3.0 SEA ROADWAY SIGN
INDEX AND EXAMPLES**

3.2 SIGN TYPE INDEX

3.2 SIGN TYPE INDEX

Roadways - Overhead (Scale: 3/32" = 1'-0")

NOTE: Sizes shown are typical only; site conditions vary and may require adjustment for final design of sign type sizing/proportions. Additional sign types may be required as determined during future SEA improvement programs.

4-DR.01 to 4-DR.09 = OVERHEAD Directional Panels: No ID Header Areas



4-DR.01
Property Exit Directional
- 1 Lane Panel
- 1 Arrow
- 1 to 2 Message Lines



4-DR.02
Commercial Vehicle Exit Directional
- 1 Lane Panel
- 1 Arrow
- 2 Message Lines



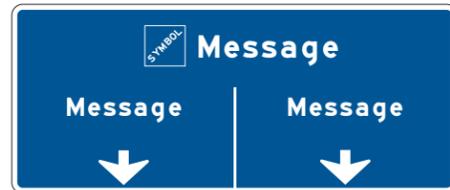
4-DR.03
1 Lane Panel
- 1 Arrow
- 1 to 2 Message Lines



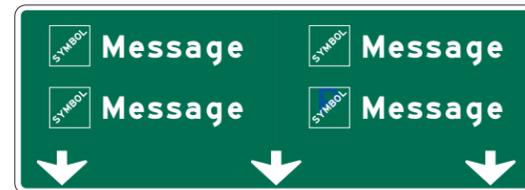
4-DR.04
Large 1 Lane Panel
- 1 Arrow
- 1 to 2 Message Lines



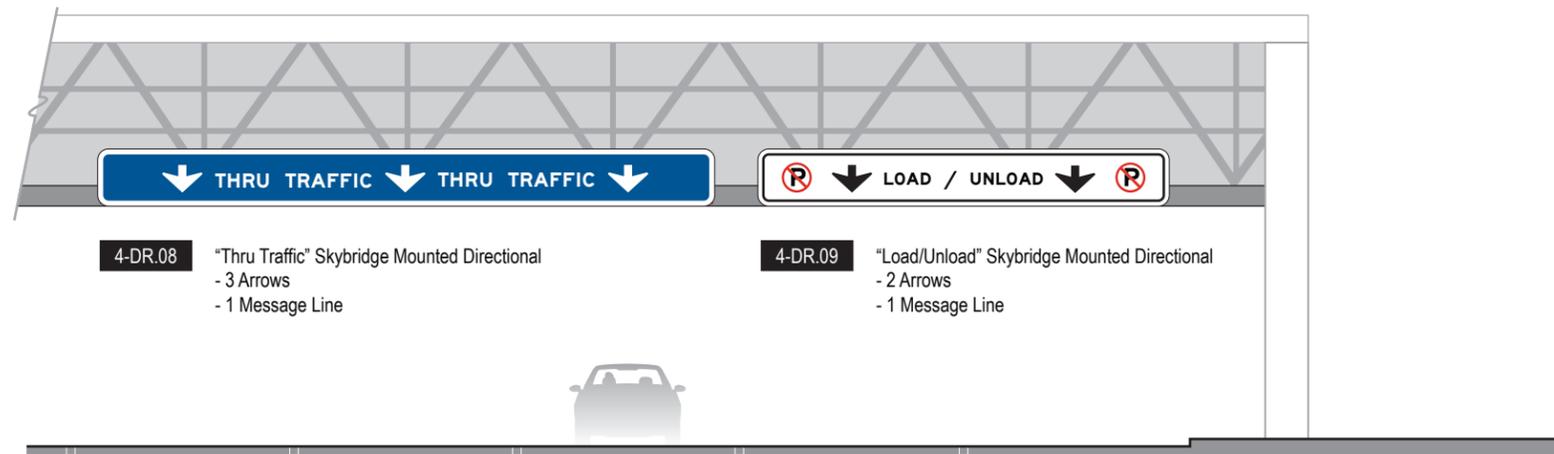
4-DR.05
2 Lane Directional
- 2 Arrows
- 1 to 2 Message Lines



4-DR.06 2 Lane Directional w/ Divider Line
- 2 Arrows
- 1 Primary Message Line; 2 Secondary Messages



4-DR.07 3 Lane Directional
- 3 Arrows
- 1 to 2 Message Lines Per Panel



4-DR.08 "Thru Traffic" Skybridge Mounted Directional
- 3 Arrows
- 1 Message Line

4-DR.09 "Load/Unload" Skybridge Mounted Directional
- 2 Arrows
- 1 Message Line

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
3.2 SIGN TYPE INDEX

SHEET NO:

3.2 SIGN TYPE INDEX

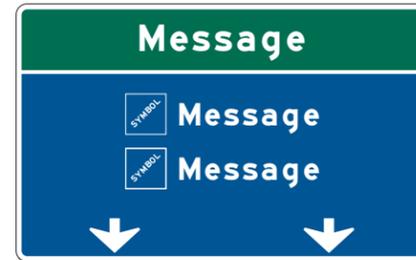
Roadways - Overhead (Scale: 3/32" = 1'-0")

NOTE: Sizes shown are typical only; site conditions vary and may require adjustment for final design of sign type sizing/proportions. Additional sign types may be required as determined during future SEA improvement programs.

4-DR.10 to 4-DR.19 = OVERHEAD Directional Panels: With Header/Clearance Areas



4-DR.11 1 Lane Panel w/ DOT Header
- 1 Arrow
- 1 to 2 Message Lines



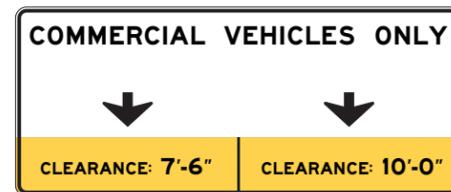
4-DR.12 2 Lane Panel w/ DOT Header
- 2 Arrows
- 1 to 2 Message Lines



4-DR.13 1 Lane Panel w/ Clearance Footer
- 1 Arrow
- 1 Message Line

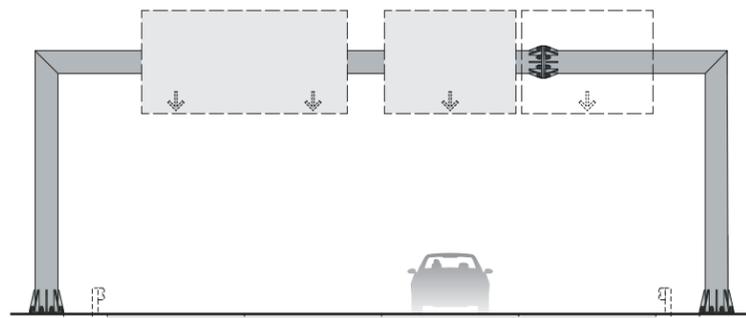


4-DR.14 2 Lane Panel w/ Clearance Footer
- 2 Arrows
- 1 Message Line

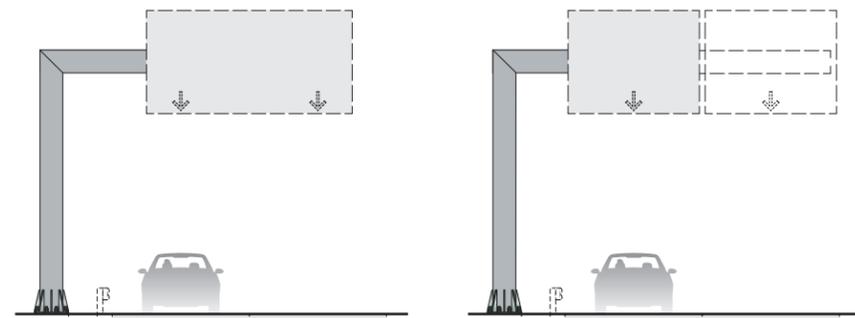


4-DR.15 2 Lane Panel w/ Clearance Footer
- 2 Arrows
- 1 to 2 Message Lines

Monotube Sign Bridge (Overhead Structure)



Monotube Cantilever Sign Support (Overhead Structure)



Mounting Options (SCALE: 1/16" = 1'-0")

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

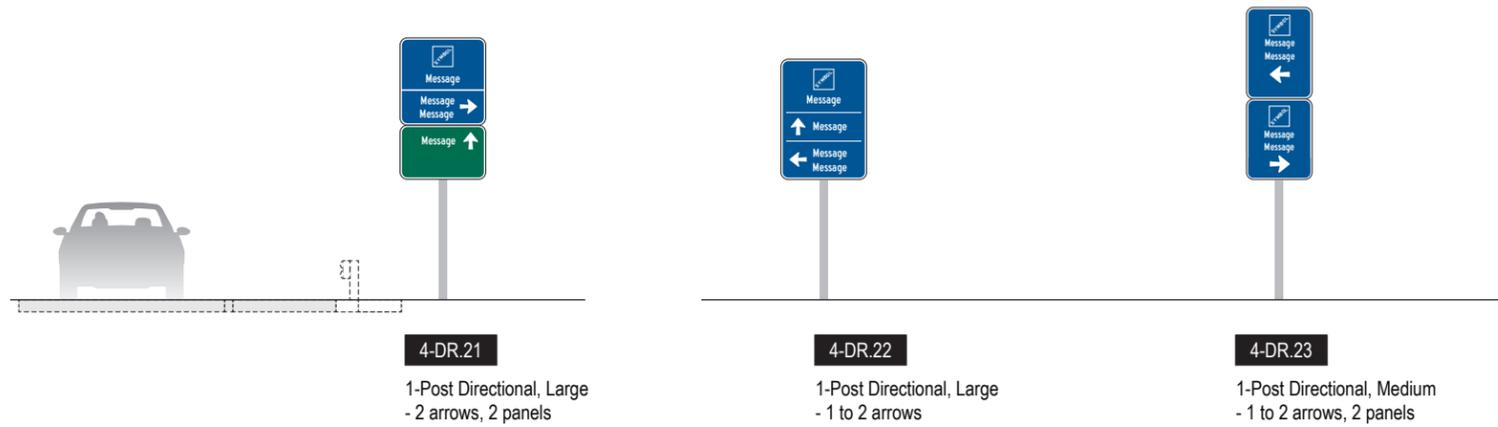
These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

3.2 SIGN TYPE INDEX

Roadways - Roadside (Scale: 3/32" = 1'-0")

NOTE: Sizes shown are typical only; site conditions vary and may require adjustment for final design of sign type sizing/proportions. Additional sign types may be required as determined during future SEA improvement programs.

4-DR.20 to 4-DR.29 = ROADSIDE Directionals: 1 Post

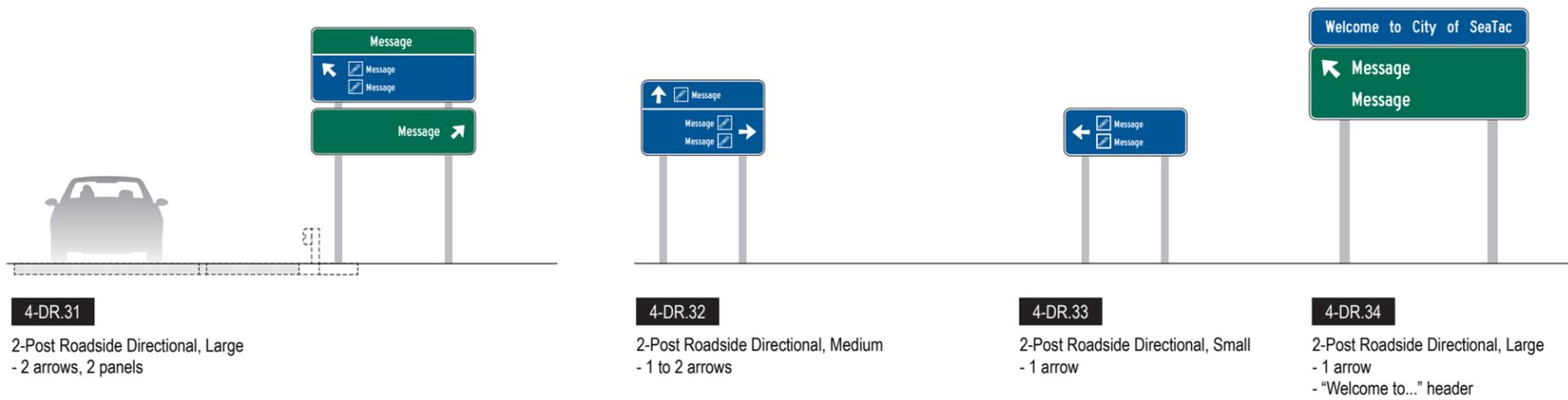


4-DR.21
1-Post Directional, Large
- 2 arrows, 2 panels

4-DR.22
1-Post Directional, Large
- 1 to 2 arrows

4-DR.23
1-Post Directional, Medium
- 1 to 2 arrows, 2 panels

4-DR.30 to 4-DR.39 = ROADSIDE Directionals: 2 Posts



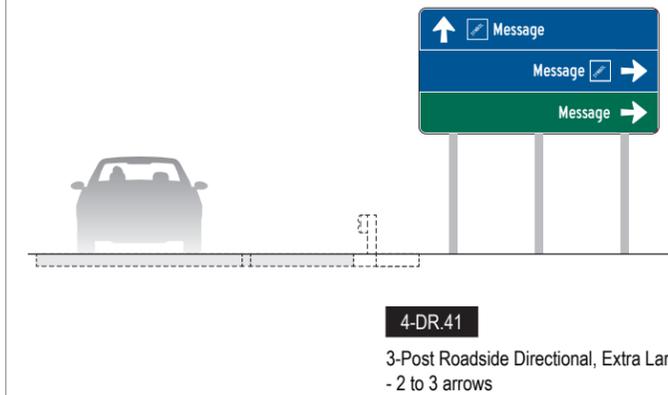
4-DR.31
2-Post Roadside Directional, Large
- 2 arrows, 2 panels

4-DR.32
2-Post Roadside Directional, Medium
- 1 to 2 arrows

4-DR.33
2-Post Roadside Directional, Small
- 1 arrow

4-DR.34
2-Post Roadside Directional, Large
- 1 arrow
- "Welcome to..." header

4-DR.40 to 4-DR.49 = ROADSIDE Directionals: 3 Posts



4-DR.41
3-Post Roadside Directional, Extra Large
- 2 to 3 arrows

NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

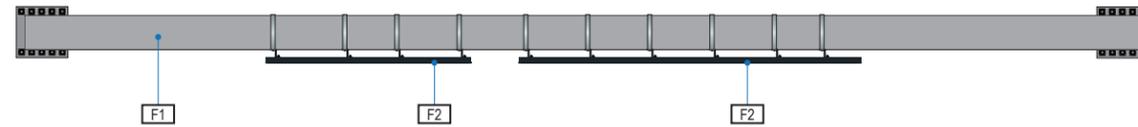
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

3.2 SIGN TYPE INDEX

SHEET NO:

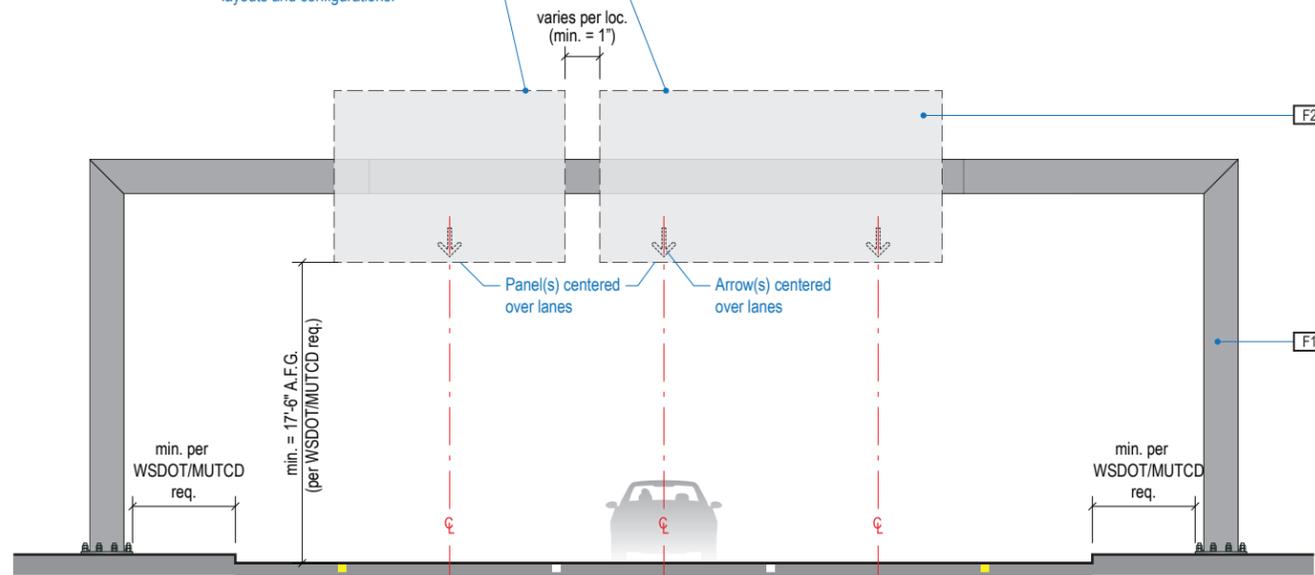
3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
N/A	See Design Intent Sheets	VARIABLES	OVERHEAD SPAN	Overhead Span Roadway Sign Structures

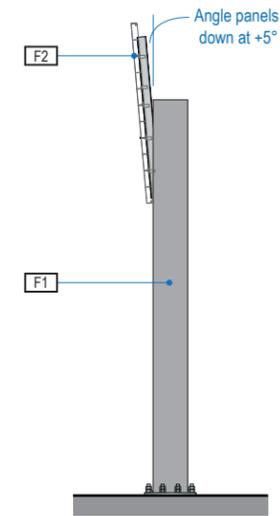


1 PLAN VIEW
Scale: 3/32" = 1'-0"

NOTE: Number and configuration of panels varies per sign location. See sheets 3-9 to 3-14 for sign face layouts and configurations.



2 ELEVATION
Scale: 3/32" = 1'-0"



3 END VIEW
Scale: 3/32" = 1'-0"

DESIGN INTENT NOTES

- F1** OVERHEAD MONOTUBE SIGN STRUCTURE: Overhead WSDOT galvanized monotube sign structure (NOTE: monotube structure sizing/proportions shown is a general artist's interpretation only; final monotube structures to be designed, sized, engineered & installed by fabricator per all MUTCD/WSDOT, engineering and local wind speed requirements); all structural attachment, sizing, type, amount, etc. to be determined & engineered by a licensed engineer to meet or exceed all applicable codes. NOTE: guard rails are required at each support post and must be designed, engineered and installed per all MUTCD/WSDOT codes and requirements.
- F2** OVERHEAD SIGN PANELS: Standard MUTCD/WSDOT fabricated alum. sign panels, seamed with 2nd surface reinforcement as req'd; sign face panel units mechanically fastened to 2nd surface mounted MUTCD/WSDOT req'd alum. support frame/ribbing/ structure; sign faces covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with digitally printed color graphics (i.e. 3M Picasso printer); all sign element attachments, sizing, type, amount & components to be determined & engineered by a licensed engineer to meet or exceed all applicable MUTCD/WSDOT codes and requirements.

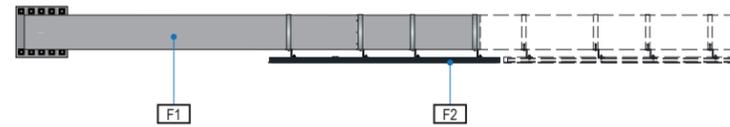
NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

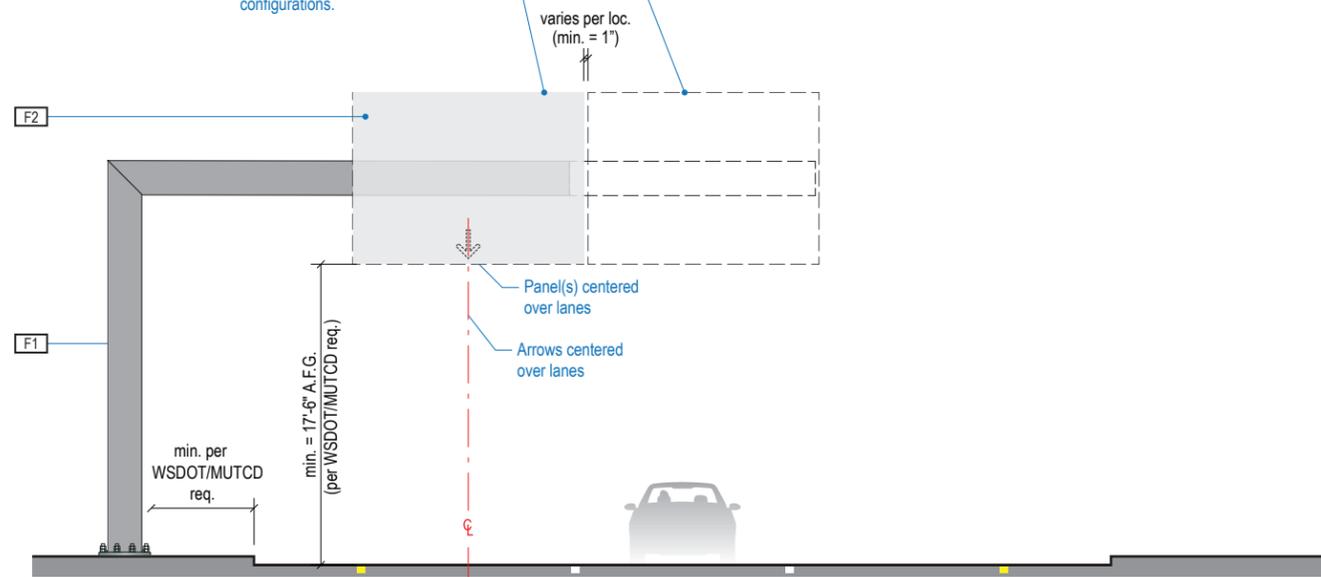
3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
N/A	See Design Intent Sheets	VARIABLES	OVERHEAD CANTILEVER	Overhead Cantilever Roadway Sign Structures

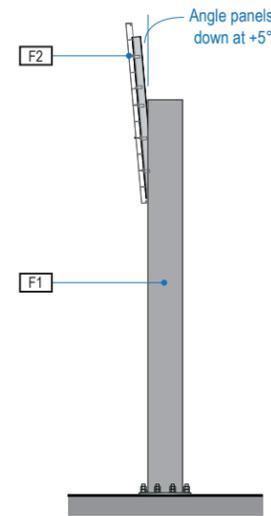


1 PLAN VIEW
Scale: 3/32" = 1'-0"

NOTE: Max. = 2 single lane panels or 1 two lane panel on cantilevered monotube structure option. Number and configuration of panels varies per sign location. See sheets 3-9 to 3-14 for sign face layouts and configurations.



2 ELEVATION
Scale: 3/32" = 1'-0"



3 END VIEW
Scale: 3/32" = 1'-0"

DESIGN INTENT NOTES

- F1** OVERHEAD MONOTUBE SIGN STRUCTURE: Overhead WSDOT galvanized monotube sign structure (NOTE: monotube structure sizing/proportions shown is a general artist's interpretation only; final monotube structures to be designed, sized, engineered & installed by fabricator per all MUTCD/WSDOT, engineering and local wind speed requirements); all structural attachment, sizing, type, amount, etc. to be determined & engineered by a licensed engineer to meet or exceed all applicable codes. NOTE: guard rails are required at each support post and must be designed, engineered and installed per all MUTCD/WSDOT codes and requirements.
- F2** OVERHEAD SIGN PANELS: Standard MUTCD/WSDOT fabricated alum. sign panels, seamed with 2nd surface reinforcement as req'd; sign face panel units mechanically fastened to 2nd surface mounted MUTCD/WSDOT req'd alum. support frame/ribbing/ structure; sign faces covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with digitally printed color graphics (i.e. 3M Picasso printer); all sign element attachments, sizing, type, amount & components to be determined & engineered by a licensed engineer to meet or exceed all applicable MUTCD/WSDOT codes and requirements.

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

3.3 SIGN TYPES

SHEET NO:

3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.01, 4-DR.02	DIRECTIONAL	*OVERHEAD	Overhead Directional Panels: Property Exit & Commercial Vehicle Exit

*NOTE: SEE SHEETS 3-7 & 3-8 FOR MOUNTING OPTIONS

DESIGN INTENT NOTES

F1 OVERHEAD SIGN PANELS: Standard MUTCD/WSDOT fabricated alum. sign panels, seamed with 2nd surface reinforcement as req'd; sign face panel units mechanically fastened to 2nd surface mounted MUTCD/WSDOT req'd alum. support frame/ribbing/ structure; sign faces covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with full-bleed digitally printed color graphics (i.e. 3M Picasso printer or approved equal); all sign element attachments, sizing, type, amount & components to be determined & engineered by a licensed engineer to meet or exceed all applicable MUTCD/WSDOT codes and requirements.



17801 International Blvd, Seattle, WA 98158

CONTRACT NO. P-00321121
SERVICE DIRECTIVE NO. SD2

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

VOLUME 2: Public Roadways

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO.	DATE	PAGE REVISION

NO. DATE VOLUME REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

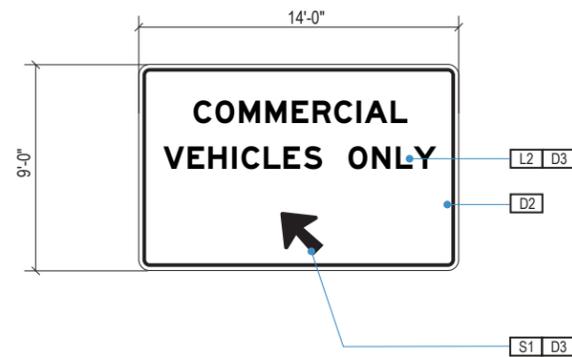
3.3 SIGN TYPES

SHEET NO:



4-DR.01

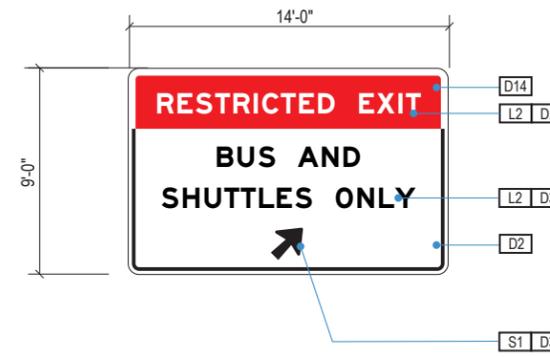
1 FACE LAYOUT
Scale: 1/8" = 1'-0"



4-DR.02

OPTION 1

2 FACE LAYOUT
Scale: 1/8" = 1'-0"



OPTION 2

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

- L2 Standard Alphabet
- S1 Arrow(s); use only official MUTCD arrows
- S2 Symbols/Pictographs (36" x 36" for Overhead Signs)
- S3 Highway Symbols; use only official MUTCD/WSDOT symbols

COLORS:

- D2 MUTCD White
- D3 MUTCD Black
- D11 MUTCD Yellow
- D12 MUTCD Green
- D13 MUTCD Blue
- D14 MUTCD Red

3.3 SIGN TYPES

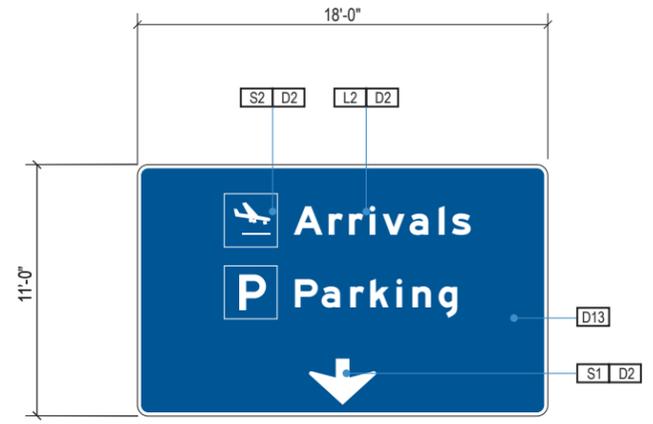
ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.03, 4-DR.04	DIRECTIONAL	*OVERHEAD	Single Lane Overhead Directional Panels

*NOTE: SEE SHEETS 3-7 & 3-8 FOR MOUNTING OPTIONS



4-DR.03

1 FACE LAYOUT
Scale: 1/8" = 1'-0"



4-DR.04

2 FACE LAYOUTS
Scale: 1/8" = 1'-0"

DESIGN INTENT NOTES

F1 OVERHEAD SIGN PANELS: Standard MUTCD/WSDOT fabricated alum. sign panels, seamed with 2nd surface reinforcement as req'd; sign face panel units mechanically fastened to 2nd surface mounted MUTCD/WSDOT req'd alum. support frame/ribbing/ structure; sign faces covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with full-bleed digitally printed color graphics (i.e. 3M Picasso printer or approved equal); all sign element attachments, sizing, type, amount & components to be determined & engineered by a licensed engineer to meet or exceed all applicable MUTCD/WSDOT codes and requirements.

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:
L2 Standard Alphabet
S1 Arrow(s); use only official MUTCD arrows
S2 Symbols/Pictographs (36" x 36" for Overhead Signs)
S3 Highway Symbols; use only official MUTCD/WSDOT symbols

COLORS:
D2 MUTCD White
D3 MUTCD Black
D11 MUTCD Yellow
D12 MUTCD Green
D13 MUTCD Blue
D14 MUTCD Red



17801 International Blvd, Seattle, WA 98158

CONTRACT NO. P-00321121
SERVICE DIRECTIVE NO. SD2

WAYFINDING SIGNAGE
STANDARDS AND GUIDELINES

VOLUME 2:
Public Roadways

CIVIL / TRANSPORTATION CONSULTANT



NO.	DATE	PAGE REVISION

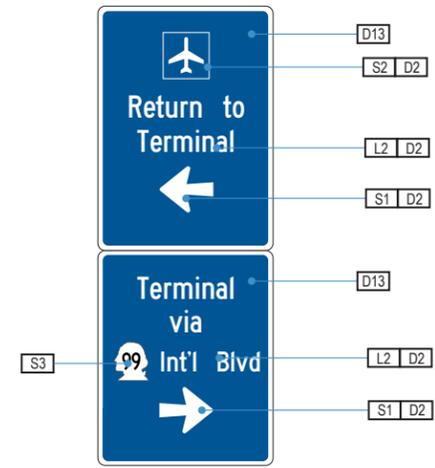
NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

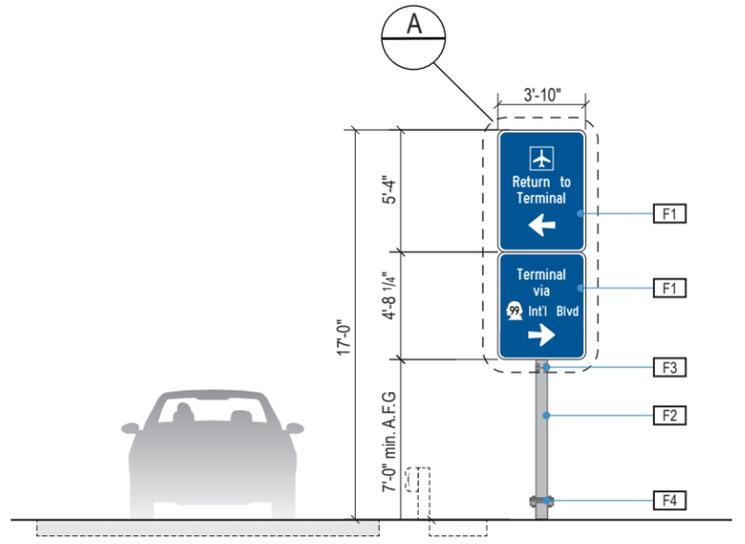
SHEET TITLE:
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
 3.3 SIGN TYPES

3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.23	DIRECTIONAL	ROADSIDE	1 Post Secondary Roadside Directional, 1 side



A FACE LAYOUT
Scale: 1/4" = 1'-0"



1 ELEVATION
Scale: 1/8" = 1'-0"

DESIGN INTENT NOTES

- F1** SIGN PANEL: Standard WSDOT/MUTCD fabricated flat alum. sign panel; overall sign face unit mechanically fastened to standard 2nd surface WSDOT/MUTCD alum. support frame/ribbing/structure per all WSDOT/MUTCD design standards and requirements; face areas covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with digitally printed color graphics (i.e. Picasso printer).
- F2** SUPPORT POST/STRUCTURE: Square metal sign support post per all WSDOT/MUTCD design standards/requirements; support post in-ground mounting details, face support structure/connection system per all WSDOT design standards/requirements; painted all exposed surfaces with MAP paint (or approved equal).
- F3** UPPER HINGE PLATE CONNECTION: Standard WSDOT design standards/requirements. Details and size requirements TBD by Contractor.
- F4** SIGN POST BREAK-AWAY: WSDOT match plate & break-away system; final connection, footer, mounting & size detailing TBD by Fabricator/engineer per all WSDOT requirements; surrounding ground to be graded/landscaped as req'd for adequate draining away from post base.

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

- L2** Standard Alphabet
- S1** Arrow(s): use only official MUTCD arrows
- S2** Symbols/Pictographs (36" x 36" for Overhead Signs)
- S3** Highway Symbols: use only official MUTCD/WSDOT symbols

COLORS:

- D2** MUTCD White
- D3** MUTCD Black
- D11** MUTCD Yellow
- D12** MUTCD Green
- D13** MUTCD Blue
- D14** MUTCD Red



17801 International Blvd, Seattle, WA 98158
CONTRACT NO. P-00321121
SERVICE DIRECTIVE NO. SD2

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

VOLUME 2: Public Roadways

CIVIL / TRANSPORTATION CONSULTANT



NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
3.3 SIGN TYPES

3.3 SIGN TYPES

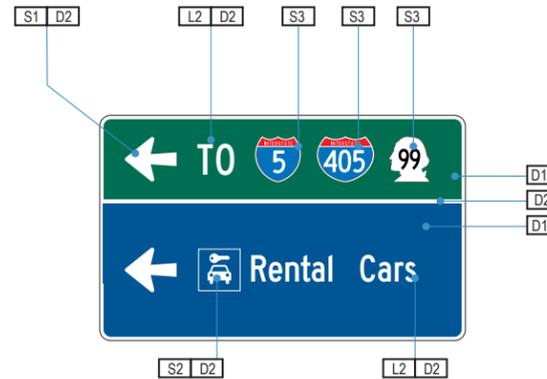
ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.32	DIRECTIONAL	ROADSIDE	2 Post Small Roadside Directional, 1 side



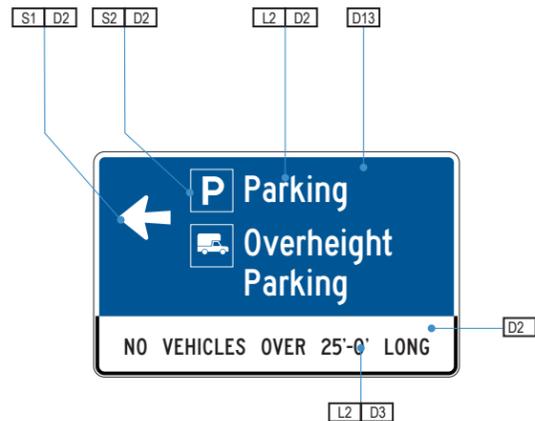
OPTION 1



OPTION 2



OPTION 3

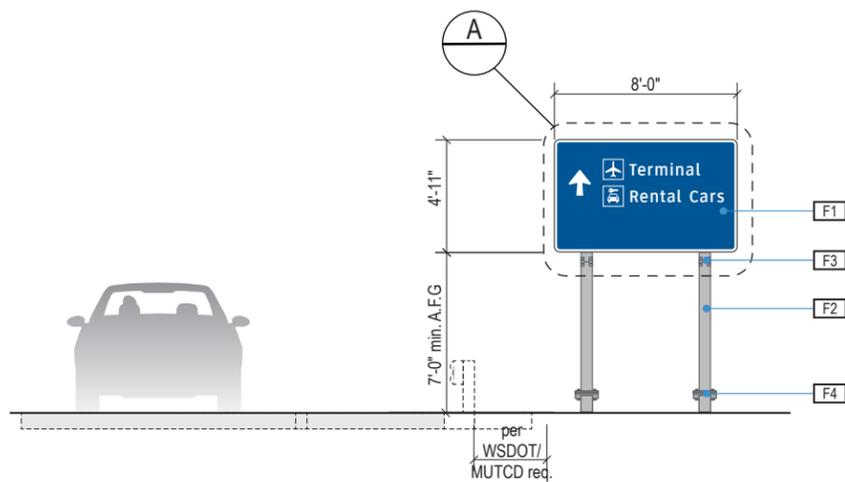


OPTION 4



OPTION 5

A FACE LAYOUTS
Scale: 1/4" = 1'-0"



1 ELEVATION
Scale: 1/8" = 1'-0"

DESIGN INTENT NOTES

- F1** SIGN PANEL: Standard WSDOT/MUTCD fabricated flat alum. sign panel; overall sign face unit mechanically fastened to standard 2nd surface WSDOT/MUTCD alum. support frame/ribbing/structure per all WSDOT/MUTCD design standards and requirements; face areas covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with digitally printed color graphics (i.e. Picasso printer).
- F2** SUPPORT POST/STRUCTURE: Square metal sign support post per all WSDOT/MUTCD design standards/requirements; support post in-ground mounting details, face support structure/connection system per all WSDOT design standards/requirements; painted all exposed surfaces with MAP paint (or approved equal).
- F3** UPPER HINGE PLATE CONNECTION: Standard WSDOT design standards/requirements. Details and size requirements TBD by Contractor.
- F4** SIGN POST BREAK-AWAY: WSDOT match plate & break-away system; final connection, footer, mounting & size detailing TBD by Fabricator/engineer per all WSDOT requirements; surrounding ground to be graded/landscaped as req'd for adequate draining away from post base.

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

- L2** Standard Alphabet
- S1** Arrow(s): use only official MUTCD arrows
- S2** Symbols/Pictographs (36" x 36" for Overhead Signs)
- S3** Highway Symbols: use only official MUTCD/WSDOT symbols

COLORS:

- D2** MUTCD White
- D3** MUTCD Black
- D11** MUTCD Yellow
- D12** MUTCD Green
- D13** MUTCD Blue
- D14** MUTCD Red



17801 International Blvd, Seattle, WA 98158

CONTRACT NO. P-00321121
SERVICE DIRECTIVE NO. SD2

**WAYFINDING SIGNAGE
STANDARDS AND GUIDELINES**

**VOLUME 2:
Public Roadways**

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO. DATE VOLUME REVISION

1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

**3.0 SEA ROADWAY SIGN
INDEX AND EXAMPLES**

3.3 SIGN TYPES

SHEET NO:

3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.41	DIRECTIONAL	ROADSIDE	3 Post Secondary Roadside Directional, 1 side



OPTION 1



OPTION 2

A FACE LAYOUT
Scale: 1/4" = 1'-0"

DESIGN INTENT NOTES

- F1** SIGN PANEL: Standard WSDOT/MUTCD fabricated flat alum. sign panel; overall sign face unit mechanically fastened to standard 2nd surface WSDOT/MUTCD alum. support frame/ribbing/structure per all WSDOT/MUTCD design standards and requirements; face areas covered with 1st surface applied full-bleed 3M Reflective DG3 4090 White film with digitally printed color graphics (i.e. Picasso printer).
- F2** SUPPORT POST/STRUCTURE: Square metal sign support post per all WSDOT/MUTCD design standards/requirements; support post in-ground mounting details, face support structure/connection system per all WSDOT design standards/requirements; painted all exposed surfaces with MAP paint (or approved equal).
- F3** UPPER HINGE PLATE CONNECTION: Standard WSDOT design standards/requirements. Details and size requirements TBD by Contractor.
- F4** SIGN POST BREAK-AWAY: WSDOT match plate & break-away system; final connection, footer, mounting & size detailing TBD by Fabricator/engineer per all WSDOT requirements; surrounding ground to be graded/landscaped as req'd for adequate draining away from post base.

- LETTERING (TYPEFACES) / SYMBOLS / ARROWS:
- L2** Standard Alphabet
 - S1** Arrow(s): use only official MUTCD arrows
 - S2** Symbols/Pictographs (36" x 36" for Overhead Signs)
 - S3** Highway Symbols: use only official MUTCD/WSDOT symbols
- COLORS:
- D2** MUTCD White
 - D3** MUTCD Black
 - D11** MUTCD Yellow
 - D12** MUTCD Green
 - D13** MUTCD Blue
 - D14** MUTCD Red



17801 International Blvd, Seattle, WA 98158
CONTRACT NO. P-00321121
SERVICE DIRECTIVE NO. SD2

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

VOLUME 2: Public Roadways

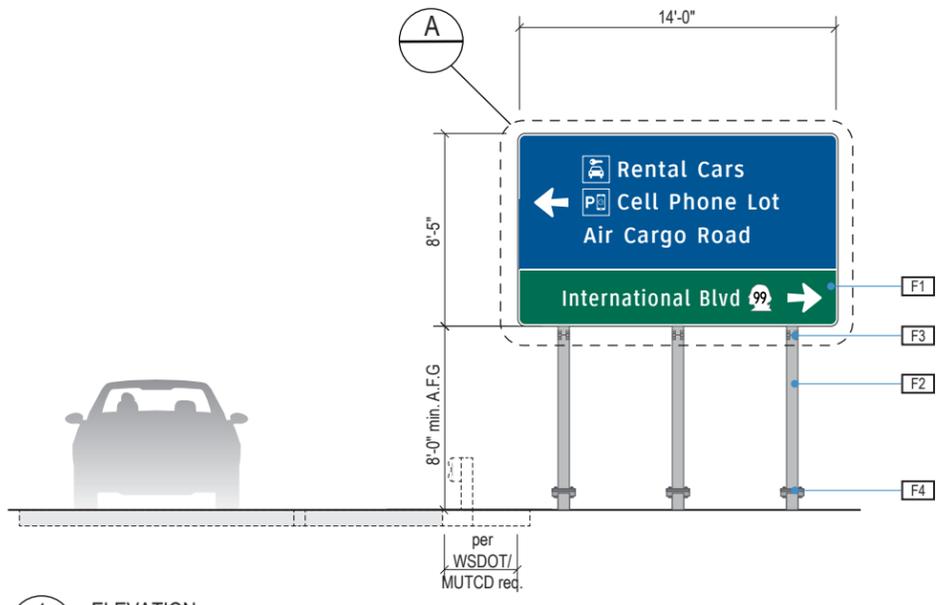
CIVIL / TRANSPORTATION CONSULTANT



NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.



1 ELEVATION
Scale: 1/8" = 1'-0"

SHEET TITLE:
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
3.3 SIGN TYPES

3.4 CURB USE REGULATION SIGN DETAILS



2-RG.01
Curb Use Regulation - Departures
- 1 Symbol/Pictograph
- Message



2-RG.02
Curb Use Regulation - Arrivals
- 1 Symbol/Pictograph
- Message



2-RG.03
Curb Use Regulation - Arrivals, with Plaque
- 2 Symbol/Pictograph
- Message
- Plaque

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

- L1 Clearview Hwy
- D2 MUTCD White
- D3 MUTCD Black
- D11 MUTCD Yellow
- D12 MUTCD Green
- D13 MUTCD Blue
- D14 MUTCD Red

COLORS:

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO.	DATE	PAGE REVISION

NO. DATE VOLUME REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

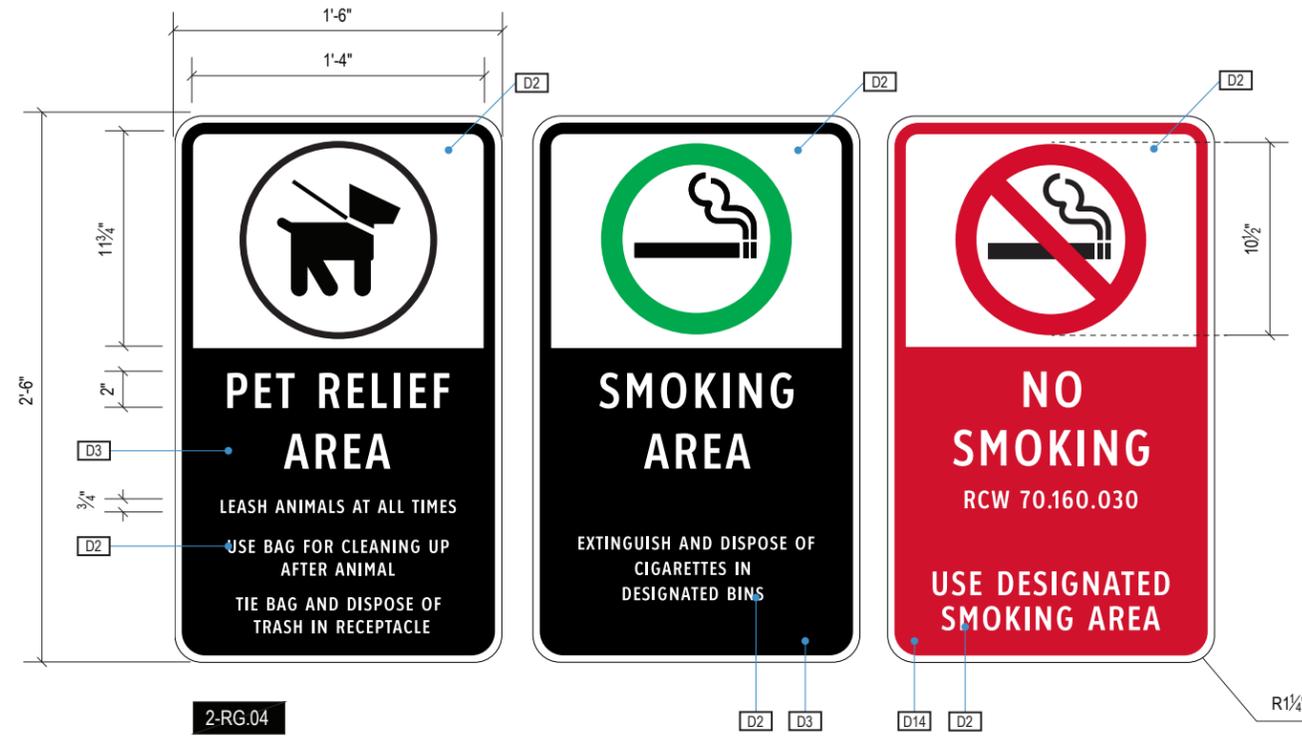
These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

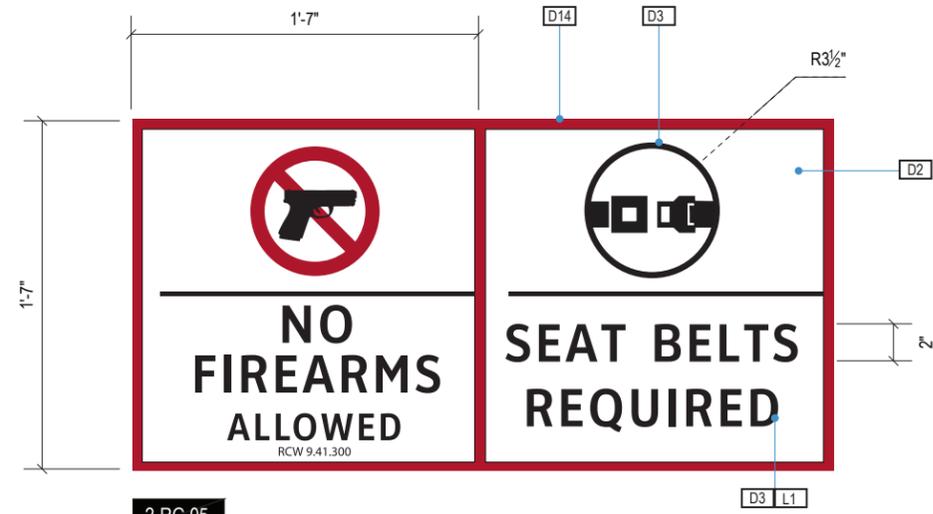
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
3.4 CURB USE REGULATION SIGN DETAILS

SHEET NO:

3.5 NON-MUTCD SIGN DETAILS



2-RG.04
 Curb Regulation Sign - Arrivals, Amenities
 - 1 Symbol/Pictograph
 - Message



2-RG.05
 Seatbelts and No Firearms
 - High Intensity Reflective 0.063 Aluminum Substrait
 - White background with Black Legend

- LETTERING (TYPEFACES) / SYMBOLS / ARROWS:
 L1 Clearview Hwy
 COLORS:
 D2 MUTCD White
 D3 MUTCD Black
 D11 MUTCD Yellow
 D12 MUTCD Green
 D13 MUTCD Blue
 D14 MUTCD Red

CIVIL / TRANSPORTATION CONSULTANT

Seattle, WA 98101
206.324.5500
www.huilt-zollars.com

Seattle, WA 98115
206.823.3939
www.heffrans.com

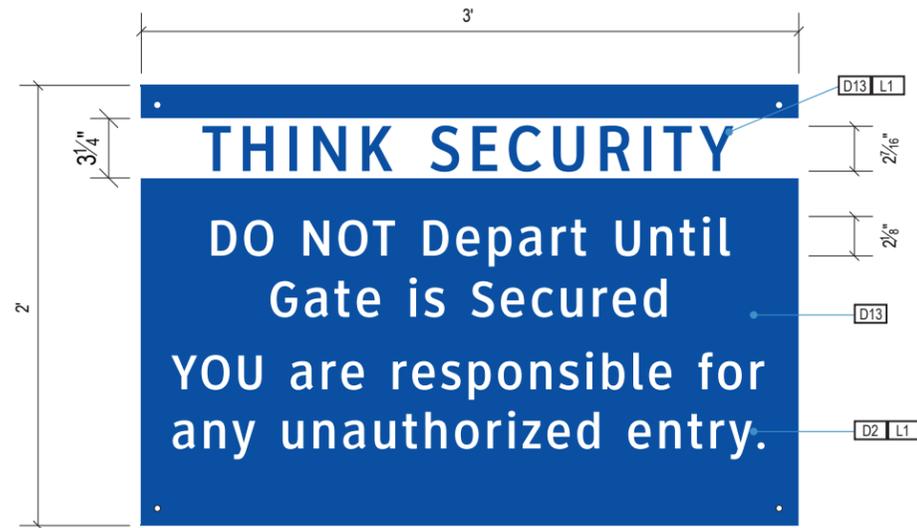
NO.	DATE	PAGE REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
 3.5 NON-MUTCD SIGN DETAILS

3.5 NON-MUTCD SIGN DETAILS



5-RG.01

Think Security
 - High Intensity Reflective 0.063 Aluminum Substrait
 - Blue/White Background with White/Blue Legend

Note: These signs are double faced.



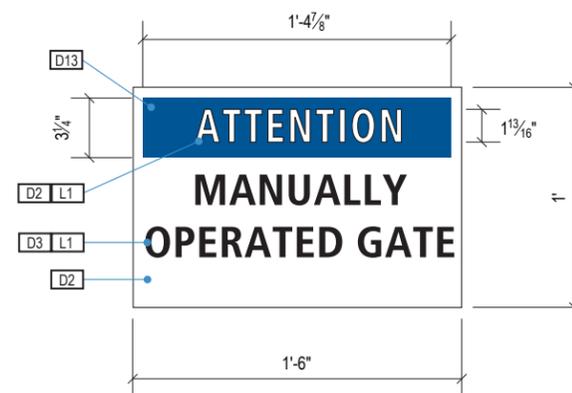
5-RG.03

No Drone Zone
 - High Intensity Reflective 0.063 Aluminum Substrait
 - White/Red Background with Red/White Legend
 - Digital Print FAA Symbol



5-RG.02

No Trespassing
 - High Intensity Reflective 0.063 Aluminum Substrait
 - White/Red Background with Red/White Legend



5-IN.01

Manually Operated Gate
 - High Intensity Reflective 0.063 Aluminum Substrait
 - Blue/White Background with White/Blue Legend

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

L1 Clearview Hwy

COLORS:

D2 MUTCD White

D3 MUTCD Black

D11 MUTCD Yellow

D12 MUTCD Green

D13 MUTCD Blue

D14 MUTCD Red

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO.	DATE	PAGE REVISION

NO. DATE VOLUME REVISION

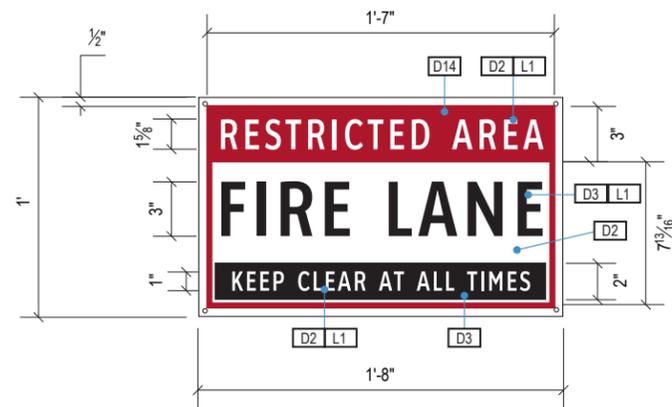
NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

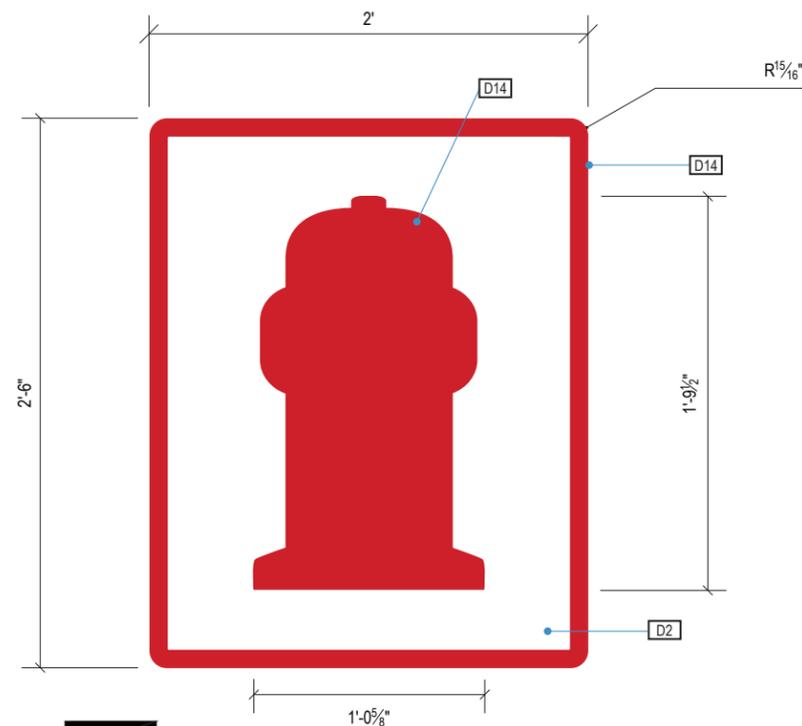
3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
 3.5 NON-MUTCD SIGN DETAILS

3.5 NON-MUTCD SIGN DETAILS



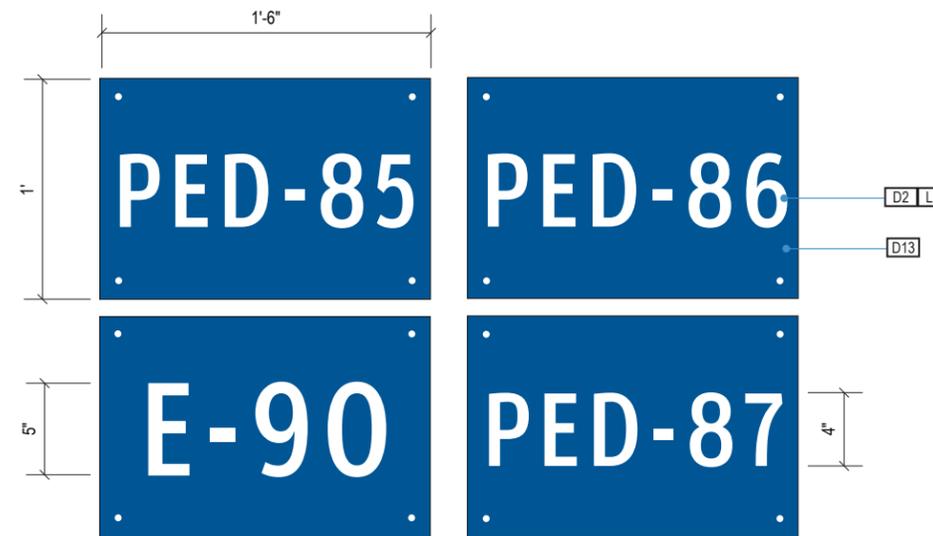
2-RG.11

Fire Lane
 - High Intensity Reflective Vinyl 0.063 Aluminum Substrait
 - White/Red Background with Black/White Substrait



5-IN.02

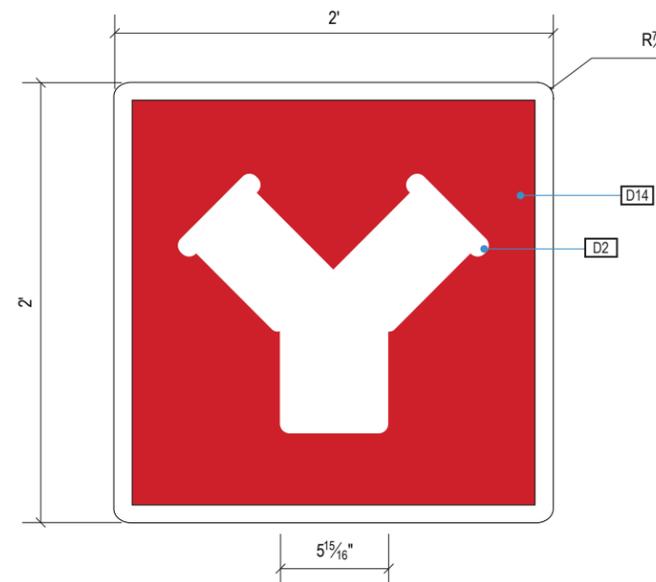
Fire Hydrant
 - 0.090" Aluminum with 3M High Intensity Prismatic Reflective Sheeting 3930DS White vinyl overlay
 - White Background with Red Legend



5-ID.01

Gate ID
 - High Intensity Reflective 0.063 Aluminum Substrait
 - Blue Background with White Legend

Note: These signs are double faced with holes in corners for installation.



5-IN.03

Fire Exterior
 - 0.090" Aluminum with 3M High Intensity Prismatic Reflective Sheeting 3930DS White vinyl overlay
 - Red Background with White Legend

LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

L1 Clearview Hwy

COLORS:

D2 MUTCD White

D3 MUTCD Black

D11 MUTCD Yellow

D12 MUTCD Green

D13 MUTCD Blue

D14 MUTCD Red

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO.	DATE	PAGE REVISION

NO. DATE VOLUME REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES
 3.5 NON-MUTCD SIGN DETAILS

SHEET NO:

3.5 NON-MUTCD SIGN DETAILS

NOTE: PLACEHOLDER FOR EV PARKING DESIGN DETAIL

3-IN.01

EV Parking

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

VOLUME 2: Public Roadways

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO.	DATE	PAGE REVISION

NO. DATE VOLUME REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

3.5 NON-MUTCD SIGN DETAILS

SHEET NO:

3.5 NON-MUTCD SIGN DETAILS

NOTE: PLACEHOLDER FOR TRAFFIC CONTROL SIGN DETAIL

3-IN.02

Traffic Control

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

**VOLUME 2:
Public Roadways**

CIVIL / TRANSPORTATION CONSULTANT



NO. DATE PAGE REVISION

NO.	DATE	PAGE REVISION

NO. DATE VOLUME REVISION

NO.	DATE	VOLUME REVISION
1	12/31/21	100% FINAL SUBMITTAL
2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

These documents are intended to illustrate design intent, and should only be used as a general guideline. No information contained here should be construed as engineered elements. The fabricator/contractor shall be responsible for all engineering and specifications with regard to final finishes, structural, electrical, mechanical, foundation and installation.

SHEET TITLE:

3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

3.5 NON-MUTCD SIGN DETAILS

SHEET NO: