

STANDARDS  
VOLUME

2



# SEATTLE - TACOMA INTERNATIONAL AIRPORT

WAYFINDING SIGNAGE STANDARDS AND GUIDELINES  
VOLUME 2: Public Roadways




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UPDATED: 1/8/2024



<div>1.0 SEA WAYFINDING - STANDARDS &amp; GUIDELINES</div> <div><div>1.1 INTRODUCTION1-1</div><div>1.2 MUTCD STANDARDS1-2</div><div>1.3 SEA PUBLIC ROADWAYS WHERE MUTCD APPLIES1-3</div><div>1.4 EXCEPTIONS TO MUTCD STANDARDS1-4</div><div>1.5 SIGN UPDATE PROCEDURES1-5</div></div>		<div><div>Seattle-Tacoma International Airport</div><div>17801 International Blvd, Seattle, WA 98158</div><div>CONTRACT NO. P-00321121 SERVICE DIRECTIVE NO. SD2</div><div>WAYFINDING SIGNAGE STANDARDS AND GUIDELINES</div><div>VOLUME 2: Public Roadways</div></div>																																													
<div>2.0 PUBLIC ROADWAY SIGN STANDARDS AND GUIDELINES</div> <div><div>2.1 FUNCTION AND PURPOSE OF SIGN TYPES2-1</div><div>2.2 MUTCD STANDARDS AND GUIDELINES2-2</div><div>2.3 COMMON SIGNS, SYMBOLS, AND PICTOGRAPHS2-4</div><div>2.4 MESSAGE HIERARCHY LIST: ROADWAY GUIDE SIGNS2-5</div><div>2.5 DIRECTIONAL ARROWS2-6</div></div>		<div>CIVIL / TRANSPORTATION CONSULTANT</div> <div><div>Seattle, WA 98101 206.324.5500 www.huitt-zollars.com</div><div>Seattle, WA 98115 206.523.3939 www.heffrans.com</div></div>																																													
<div>3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES</div> <div><div>3.1 SIGN TYPE IDENTIFICATION SYSTEM3-1</div><div>3.2 SIGN TYPE INDEX3-2</div><div>3.3 SIGN TYPES3-7</div><div>3.4 CURB USE REGULATION SIGN DETAILS3-22</div><div>3.5 NON-MUTCD SIGN DETAILS3-23</div></div>		<table><tr><th>NO.</th><th>DATE</th><th>PAGE REVISION</th></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> <table><tr><th>NO.</th><th>DATE</th><th>VOLUME REVISION</th></tr><tr><td>1</td><td>12/31/21</td><td>100% FINAL SUBMITTAL</td></tr><tr><td>2</td><td>12/31/21</td><td>V2 UPDATE</td></tr><tr><td>3</td><td>1/08/24</td><td>V3 UPDATE</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table> <div>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.</div>	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												
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3	1/08/24	V3 UPDATE																																													
<div>NOTE: All listings in this Table of Contents are clickable links within the digital PDF file; clicking on a listing will navigate directly to that page; see also the Bookmarks panel within PDF viewing software for additional means of rapid navigation to desired content within this document.</div>		<div>SHEET TITLE:</div> <div>TABLE OF CONTENTS</div> <div>SHEET NO:</div> <div>TOC-1</div>																																													

# 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



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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

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SHEET TITLE:

1.0 SEA WAYFINDING -  
STANDARDS & GUIDELINES

1.1 INTRODUCTION

SHEET NO:

1-1

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.

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VOLUME 2:  
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1.0 SEA WAYFINDING -  
STANDARDS & GUIDELINES  
  
1.2 MUTCD STANDARDS

SHEET NO:



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 <sup>nd</sup> 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 <sup>th</sup> St	S 170 <sup>th</sup> St
Air Cargo Rd	S 170 <sup>th</sup> St	North Security Gate Arms
Air Cargo Rd	Security Gate	28 <sup>th</sup> Ave S
S 156 <sup>th</sup> St.	Air Cargo Rd.	West end of Building (Transiplex)
S 157 <sup>th</sup> Pl.	S 157 <sup>th</sup> Pl.	Perimeter Fence
S 160 <sup>th</sup> St.	Air Cargo Rd.	Host Rd.
S 161 <sup>st</sup> St.	Air Cargo Rd.	Perimeter Fence
S 166 <sup>th</sup> St.	Air Cargo Rd.	Perimeter Fence
S 168 <sup>th</sup> St.	S 168 <sup>th</sup> St.	Perimeter Fence
S 170 <sup>th</sup> St.	Air Cargo Rd.	Cell Phone Lot Road
S 190 <sup>th</sup> St.	28 <sup>th</sup> Ave S.	Parking Lot Access
24 <sup>th</sup> Ave S	S 192 <sup>nd</sup> St	S 194 <sup>th</sup> St
S 194 <sup>th</sup> / 196 <sup>th</sup> St	24 <sup>th</sup> Ave S	28 <sup>th</sup> Ave S
Starling Dr.	S 188 <sup>th</sup> St.	Perimeter Fence

Table 1.3.1 Matrix of SEA Roadway Classifications

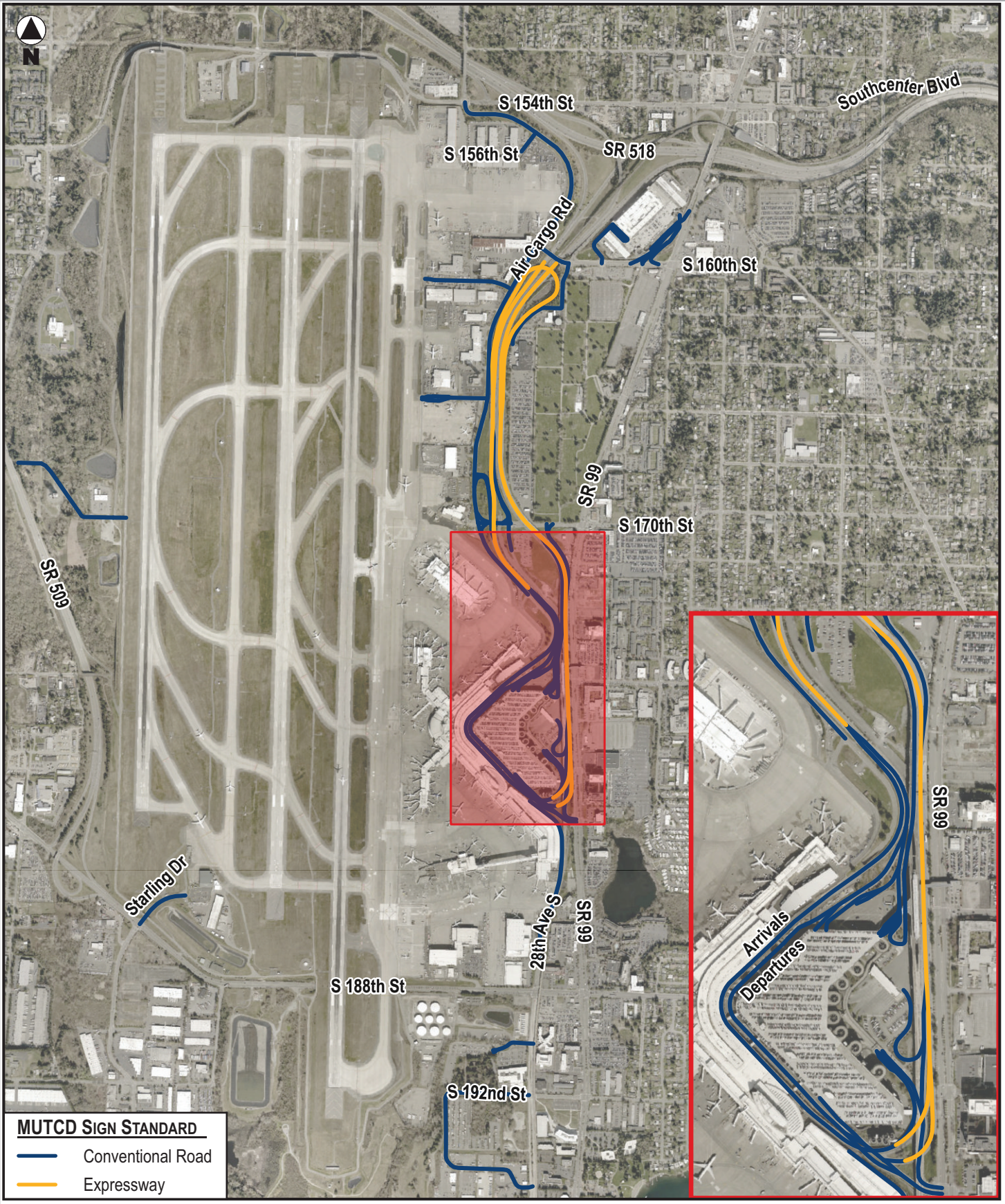


Figure 1.3.1 SEA Public Roadways Where MUTCD Applies

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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.

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1.0 SEA WAYFINDING -  
STANDARDS & GUIDELINES

1.4 EXCEPTIONS TO MUTCD  
STANDARDS

SHEET NO:

1-4

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.



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1.0 SEA WAYFINDING -  
STANDARDS & GUIDELINES  
  
1.5 SIGN UPDATE PROCEDURES

SHEET NO:



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


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2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE



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.

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1	12/31/21	100% FINAL SUBMITTAL
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SHEET TITLE:

2.0 PUBLIC ROADWAY  
SIGN STANDARDS AND  
GUIDELINES

2.2 MUTCD STANDARDS AND  
GUIDELINES

SHEET NO:

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 retroreflectivty 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 <sup>1</sup>
• 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 <sup>2</sup>	XI
• Overhead Left Side Exits	IV	XI
• Other Overhead Guide	IV	XI
• Overhead Street Name	IV	XI
• Route Markers (M-Series Signs)	IV	IV <sup>3</sup>
General Information (I-Series Signs)		
• School (S-Series Signs) <sup>4</sup> (S1-1, S4-3, "School" portion of S5-1, and S5-101)	XI	N/A
Milepost Markers		
• Blue and Brown Background Signs	IV	IV
• Fluorescent Orange (Work Zone Signs)	X	N/A

<sup>1</sup> Red is Type IV, black is non-reflective.  
<sup>2</sup> For Yellow Background sheeting, use Type XI Fluorescent sheeting.  
<sup>3</sup> Black is non-reflective.  
<sup>4</sup> Fluorescent Yellow Green (FYG) sheeting.

WSDOT Traffic Manual Exhbit 2-2	Reflective Sheeting Requirements	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.

Example of Sheeting (Shown to scale)

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

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](http://www.fhwa.dot.gov/retro)

FHWA SA-14-022	2014 Traffic Sign Retroreflective Sheeting Identification Guide
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SEA

Seattle-Tacoma International Airport

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

HUITT ZOLLARS

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[www.huitt-zollars.com](http://www.huitt-zollars.com)

heffron

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

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SHEET TITLE:

2.0 PUBLIC ROADWAY SIGN STANDARDS AND GUIDELINES

2.2 MUTCD STANDARDS AND GUIDELINES

SHEET NO:

2-3



2.3 COMMON SIGNS, SYMBOLS, AND PICTOGRAPHS

Table 1: Common Signs

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



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2	12/31/21	V2 UPDATE
3	1/08/24	V3 UPDATE

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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





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**WAYFINDING SIGNAGE  
STANDARDS AND GUIDELINES**

**VOLUME 2:  
Public Roadways**

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NO.	DATE	PAGE REVISION

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

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**2.0 PUBLIC ROADWAY  
SIGN STANDARDS AND  
GUIDELINES**


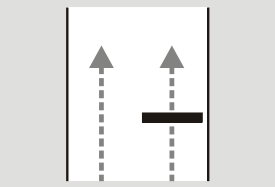

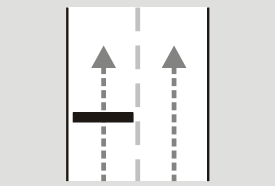

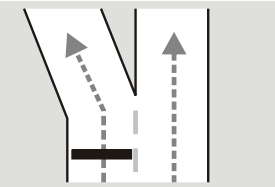

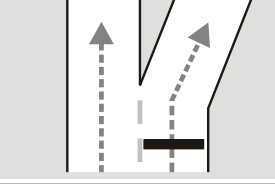
2.4 MESSAGE HIERARCHY LIST:  
ROADWAY GUIDE SIGNS


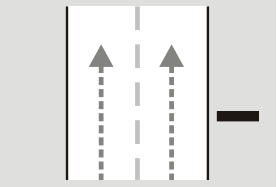

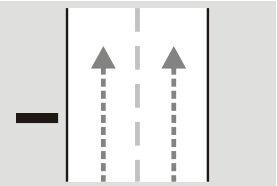

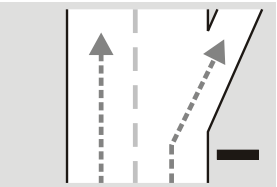

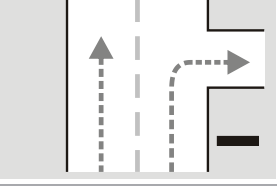

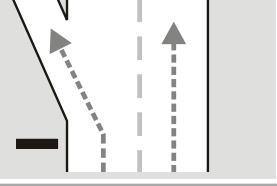

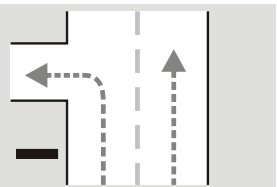
SHEET NO:

**2-5**



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**

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TRANSPORTATION INC.  
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www.heffrans.com

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SHEET TITLE:

**2.0 PUBLIC ROADWAY  
SIGN STANDARDS AND  
GUIDELINES**

2.5 DIRECTIONAL ARROWS

SHEET NO:

# 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



### 3.1 SIGN TYPE IDENTIFICATION SYSTEM

The amount of differing architectural and site conditions at SEA, combined with the need to meet requirements for pedestrian and vehicular wayfinding visibility, creates a need for a comprehensive and holistic sign identification system. This identification system will maintain standardization, flexibility and ease-of-understanding for the majority of individuals specifying and programming updated and new wayfinding signage at SEA. All SEA wayfinding signage is to be grouped into the following categories:

- Pedestrian Signs (\*NOTE: Certain vehicular signs also fall within these Series numbers)
  - Series 1: Terminals / Concourses: Includes: All public-accessible Terminal and Concourse related areas
  - \*Series 2: Curbside / Ground Transportation: Includes: All Curbside and Ground Transportation related areas
  - \*Series 3: Parking: Includes: All on-property public-accessible garages and surface lots
- Vehicular Signs (\*NOTE: Certain pedestrian signs also fall within these Series numbers)
  - \*Series 4: Roadways: Includes: All on-property public-accessible roads
- Other Areas
  - Series 5 (and above): Are to be assigned as needed and based on unique requirements of individual projects. Note that all expanded series numbering and categorization must be coordinated with SEA for final approval.

### Pedestrian vs. Vehicular Sign Identification Systems

Pedestrian and vehicular wayfinding signage will always use similar sign type numbering and categorization methods to maintain a holistic identification system across the entire wayfinding program (see Figure 3.1.1). However, each traffic type also have unique requirements and/or mounting configurations associated with them. As such, the sign identification system is more effective when supplemental designators are applied to their respective systems as needed.

## Roadway Signage - Unique Mounting Designator

See “Roadway Signage Mounting Designator” detail for a general description of the unique designator that is to be applied to all SEA roadway wayfinding signage, as well as how to use it for roadway signage identification.

**Variant/Option Designator**

When a sign type requires a variant or option (due to sizing variations, mounting conditions, etc.), a unique designator using a lowercase letter at the end of the sign number shall be used.

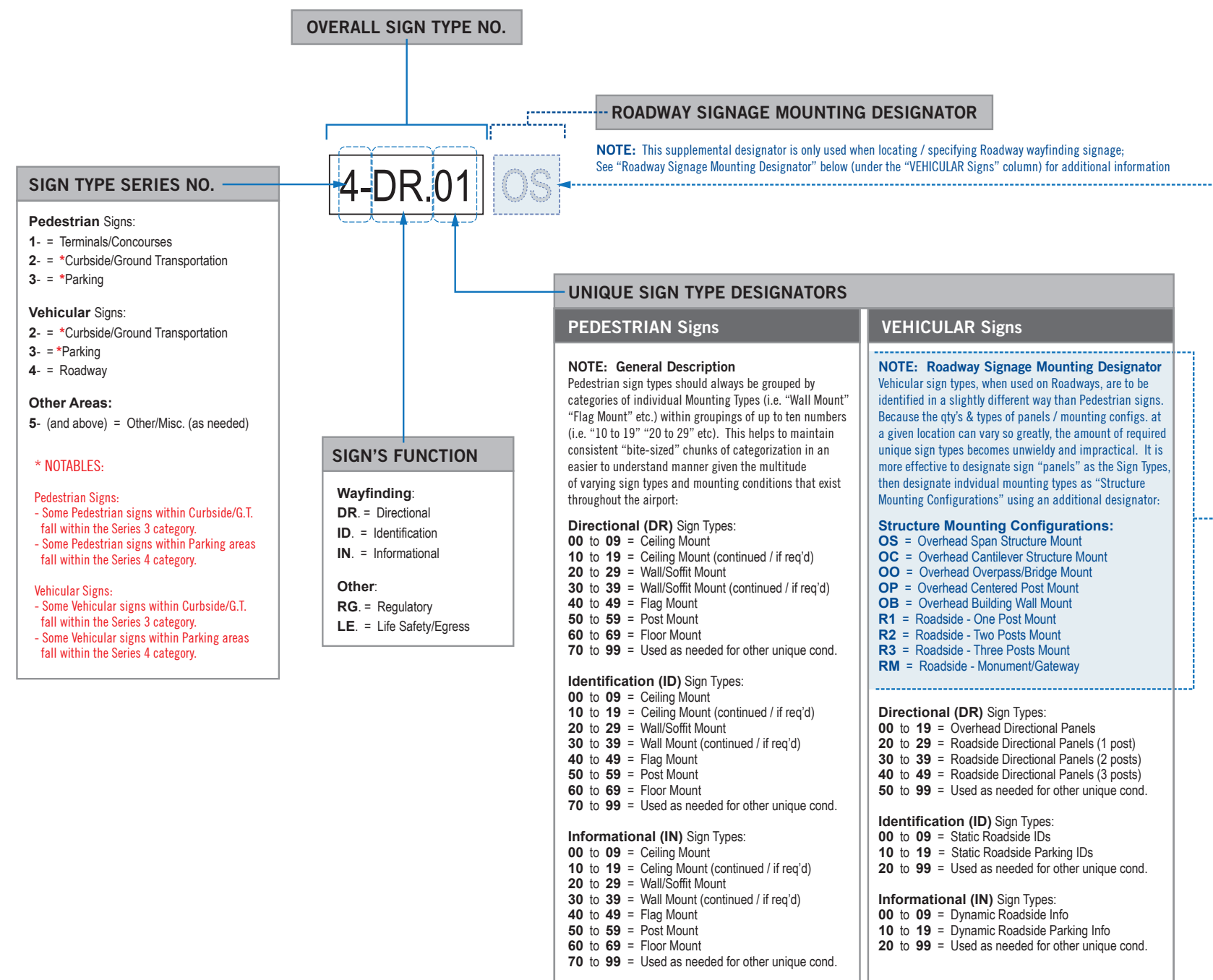


Figure 3.1.1

SEA Wayfinding Sign Type Identification System

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## WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

**VOLUME 2:**  
**Public Roadways**

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

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SHEET TITLE:

### 3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

### 3.1 SIGN TYPE IDENTIFICATION SYSTEM

SHEET NO:

3.2 SIGN TYPE INDEX

On the following page (see Table 3.2.1), the Sign Type Index Table shows examples of roadway guide signs. Simplified views of each sign type, as well as listings for each sign type’s name, mounting method and basic overall size are provided on subsequent pages. Note that the Sign Type Index is intended only as a brief, simple catalog reference for all of the wayfinding sign types used within the Roadways areas of SEA, and is organized in numeric order of their sign type identification numbers (i.e. Directional sign type category: 4-DR.01, 4-DR.02, etc; Identification sign type category: 4-ID.01, 4-ID.02, etc; Informational sign type category: 4-IN.01, 4-IN.02, etc).

3.2.1 Sign Types - Design Intent Drawings

Chapter 3.3 - Sign Types contains design intent drawings of each specific wayfinding sign type used within the Roadways areas of SEA. Each sheet displays scaled drawings of individual sign types and their basic views (i.e. elevations, plan view, end view, etc), sizing/dimensions, face layouts and general design intent related notes.

\*NOTE: 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 designer/fabricator/contractor shall be responsible for all engineering and specifications with regard to finishes, structural, electrical, mechanical, foundation and installation, and must be approved by a licensed engineer within the State of Washington.

3.2.2 Mounting Requirements

Sign mountings shall support signs for optimum visibility, facilitate illumination where required, be fabricated from commonly available materials, be easily maintained, be engineered to established SEA wayfinding system and engineering requirements, and not obstruct or pose any hazard to pedestrians, vehicles or any other entity.

3.2.3 Basic Mounting Types

- Definitions of the basic mounting types used within SEA Roadway areas are as follows:

Large Overhead Signs:

- Span Structure (Sign Bridges) - sign panel(s) (number/size vary per location and lane configuration) mechanically fastened to a large freestanding two post support structure spanning the entirety of a roadway.
- Bridge Mount Structure - sign panel(s) (number/size vary per location and lane configuration) with second surface mounted support structure grid mechanically fastened to a bridge’s fascia.
- Cantilever Structure - sign panel (size varies per location and lane configuration) mechanically fastened to a large freestanding single post support structure and one support arm cantilevered over a roadway.
- Butterfly (Centered Post) Cantilever Structure - sign panel (size varies per location and lane configuration) mechanically fastened to a large freestanding single post support structure and two support arm cantilevered over roadways flanking both sides of support post.

Ground Mounted Signs:

- Large Roadside - sign panels that are mounted to multiple (two or more) vertical posts and located laterally offset to the side of a roadway.
- Small Roadside - sign panels that are mounted to one vertical post and located laterally offset to the side of a roadway.

3.2.4 General Mounting Restrictions - Vehicular Signs

- Vehicular wayfinding signs shall always be mounted perpendicular to vehicular traffic flow.
- Overhead sign structure, foundation, and mounting attachment shall be per WSDOT standards and shall be designed and approved by structural engineer licensed in the State of Washington.
- Ground mounted sign post, foundation and mounting attachments shall be per WSDOT standards.
- Timber ground mounted sign post are not allowed on Port of Seattle property.
- Overhead and ground mounted roadside signs: all mounting (lateral positioning/spacing from edge of roadway and clearances) shall be per WSDOT/MUTCD requirements, and be reviewed and approved by a traffic engineer licensed in the State of Washington prior to fabrication and installation.
- Overhead and ground mounted roadside signs: all elements, engineering, fabrication and materials used on roadway sign support structures must be reviewed and approved by a traffic engineer licensed in the State of Washington prior to fabrication and installation.
- Ground-mounted vehicular signs within the Design Clear Zone must be mounted behind crash barriers or use break-away base mounting systems, as required by MUTCD/WSDOT.
- Vehicular overhead signs must be mounted with the lowest element of the sign assembly at a minimum of 17’-6” above finished grade unless otherwise indicated.
- Vehicular roadside signs must be mounted with the bottom-most viewable area of the sign at a minimum of 7’-0” above finished grade unless otherwise indicated.
- All vehicular roadway signs will be engineered for the exterior environmental conditions that occur at SEA, and will be designed and approved by a licensed engineer within the State of Washington to meet all codes/regulations/requirements.
- Whenever there is a conflict between a requirement listed in this document and another authoritative code or standard, the more stringent one shall be applied.

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

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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.2 SIGN TYPE INDEX

SHEET NO:

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

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



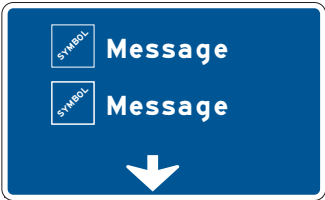
**4-DR.01**  
Property Exit Directional  
- 1 Lane Panel  
- 1 Arrow  
- 1 to 2 Message Lines



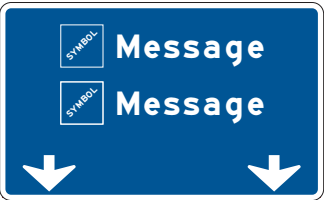
**4-DR.02**  
Commercial Vehicle Exit Directional  
- 1 Lane Panel  
- 1 Arrow  
- 2 Message Lines



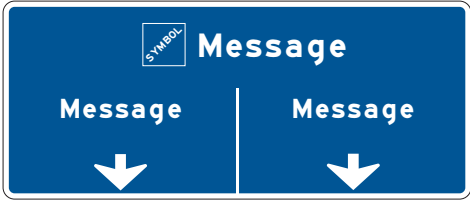
**4-DR.03**  
1 Lane Panel  
- 1 Arrow  
- 1 to 2 Message Lines



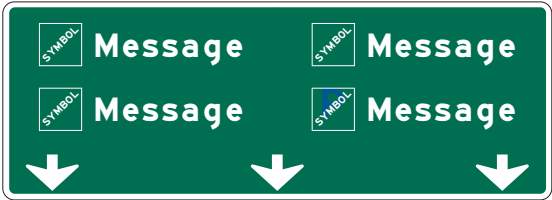
**4-DR.04**  
Large 1 Lane Panel  
- 1 Arrow  
- 1 to 2 Message Lines




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



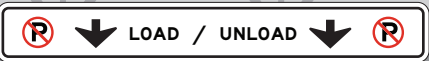
**4-DR.06**  
2 Lane Directional w/ Divider Line  
- 2 Arrows  
- 1 Primary Message Line; 2 Secondary Messages



**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


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

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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

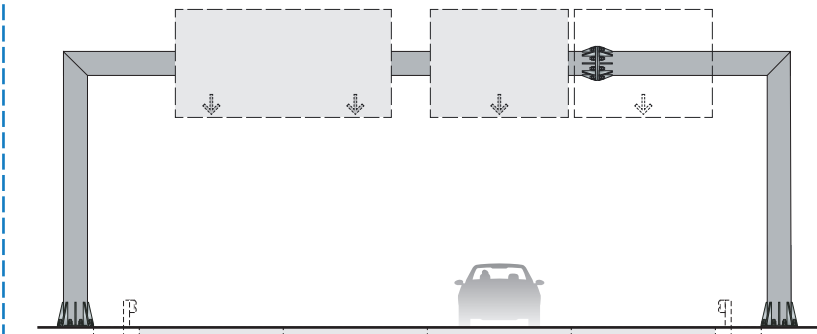
4-DR.12 2 Lane Panel w/ DOT Header  
- 2 Arrows  
- 1 to 2 Message Lines

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

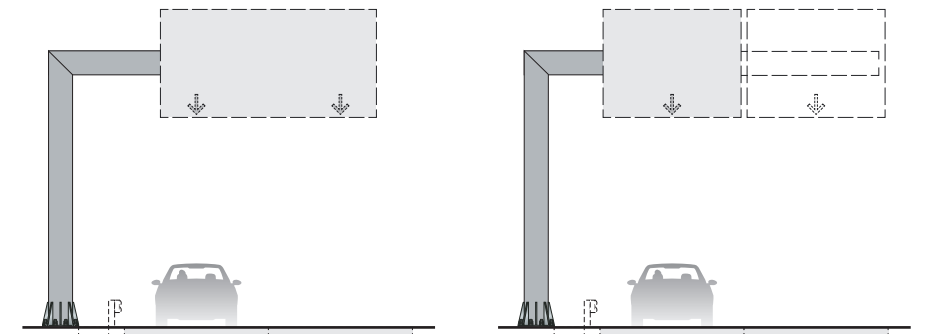
4-DR.14 2 Lane Panel w/ Clearance Footer  
- 2 Arrows  
- 1 Message Line

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
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NO.	DATE	VOLUME REVISION
-----	------	-----------------

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

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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.2 SIGN TYPE INDEX

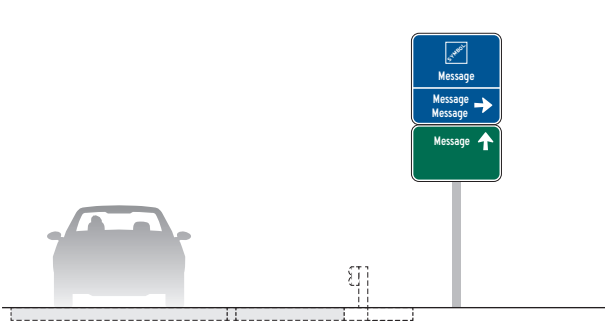
SHEET NO:

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

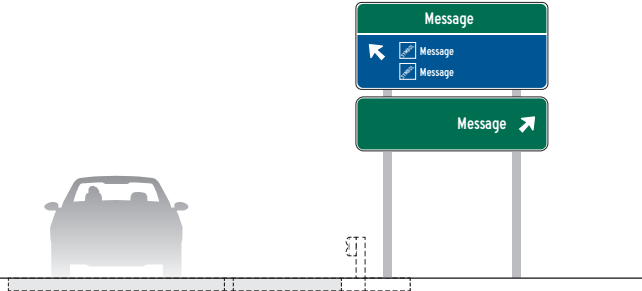


4-DR.22  
1-Post Directional, Large  
- 1 to 2 arrows

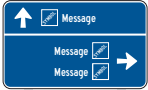


4-DR.23  
1-Post Directional, Medium  
- 1 to 2 arrows, 2 panels


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



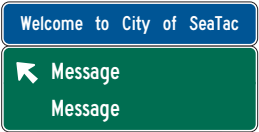
4-DR.31  
2-Post Roadside Directional, Large  
- 2 arrows, 2 panels



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

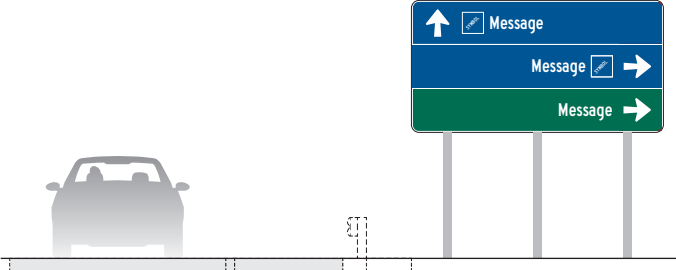


4-DR.33  
2-Post Roadside Directional, Small  
- 1 arrow



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

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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

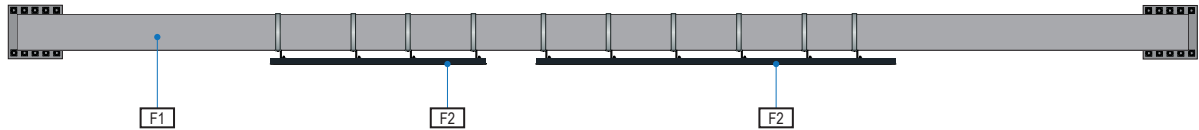
3.2 SIGN TYPE INDEX

SHEET NO:



3.3 SIGN TYPES

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

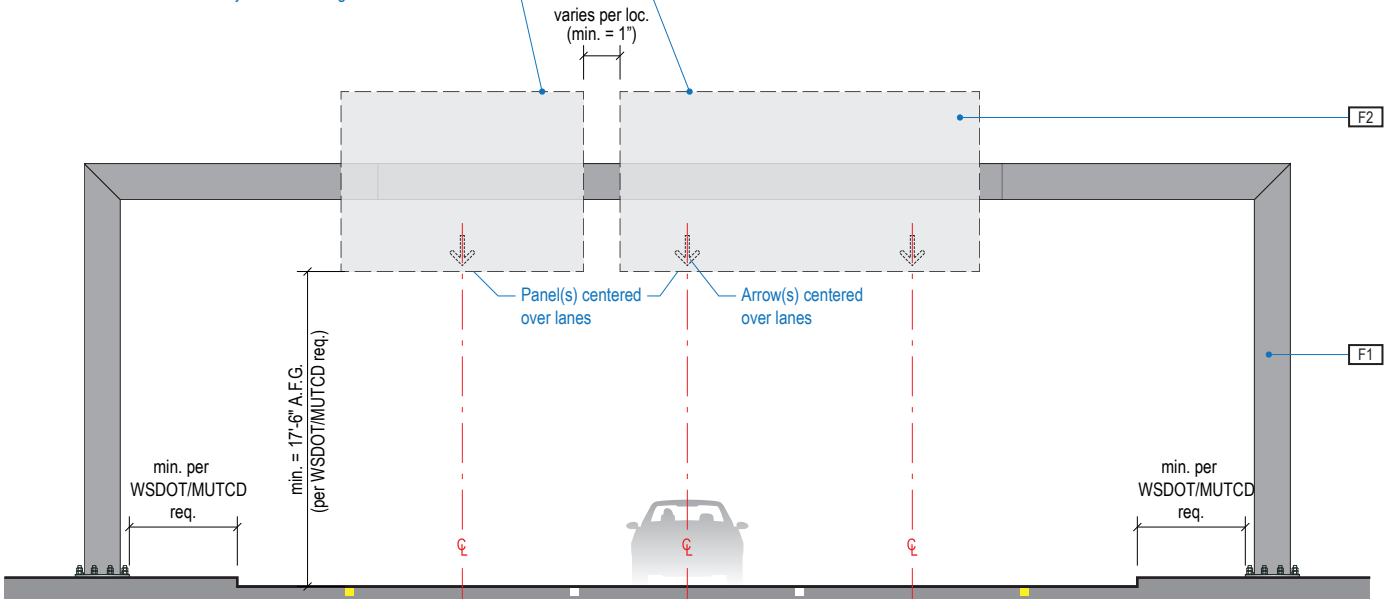


1

PLAN VIEW

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

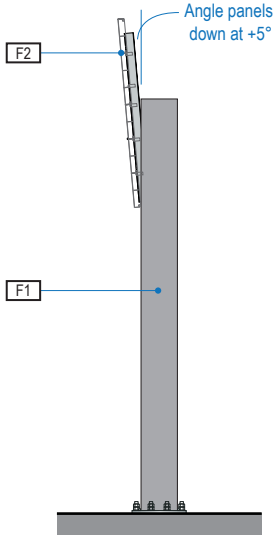
NOTE: Number and configuration of panels varies per sign location. See sheets 3-9 to 3-14 for sign face layouts and configurations.



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.

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

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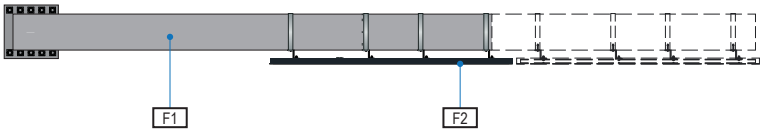
3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

SHEET NO:

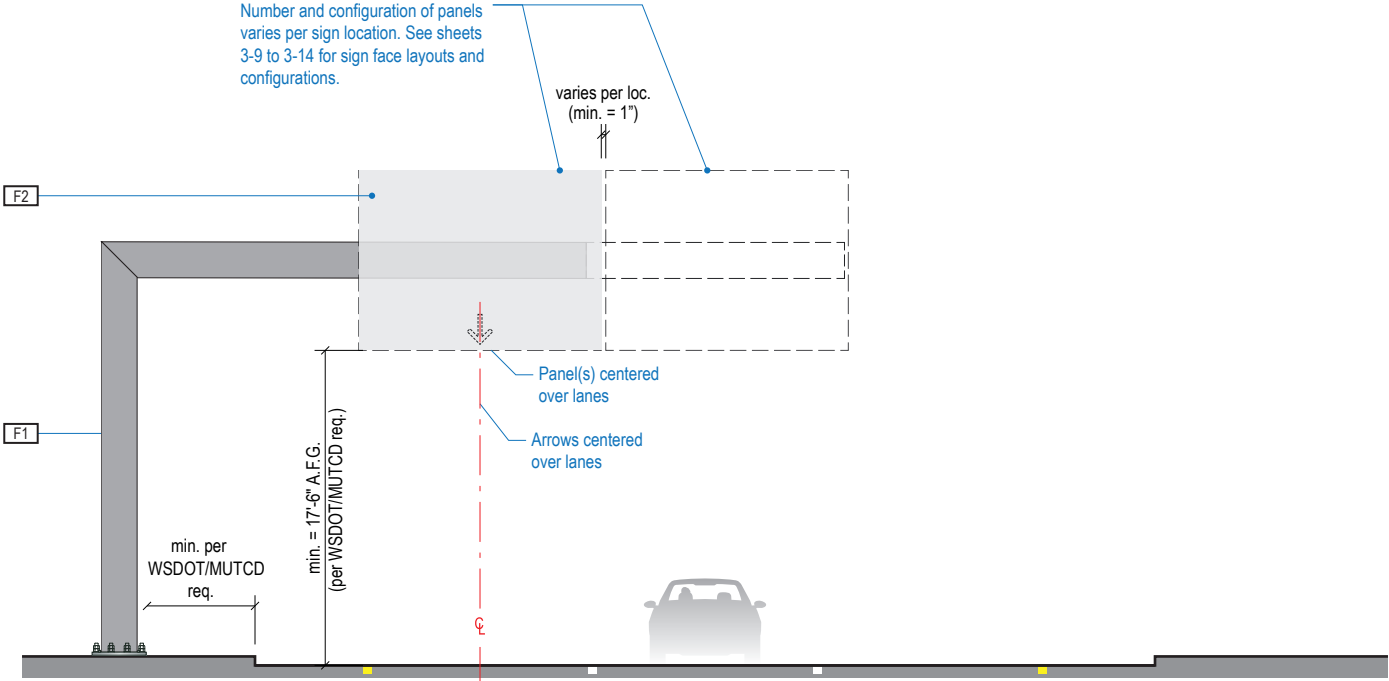
3.3 SIGN TYPES

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

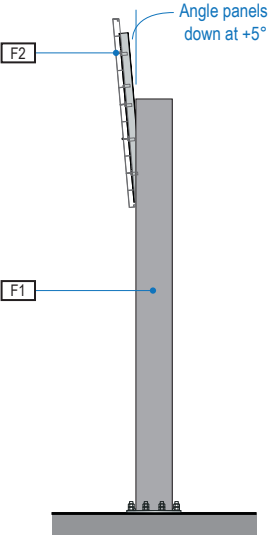


1 PLAN VIEW  
Scale: 3/32" = 1'-0"

**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.



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

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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

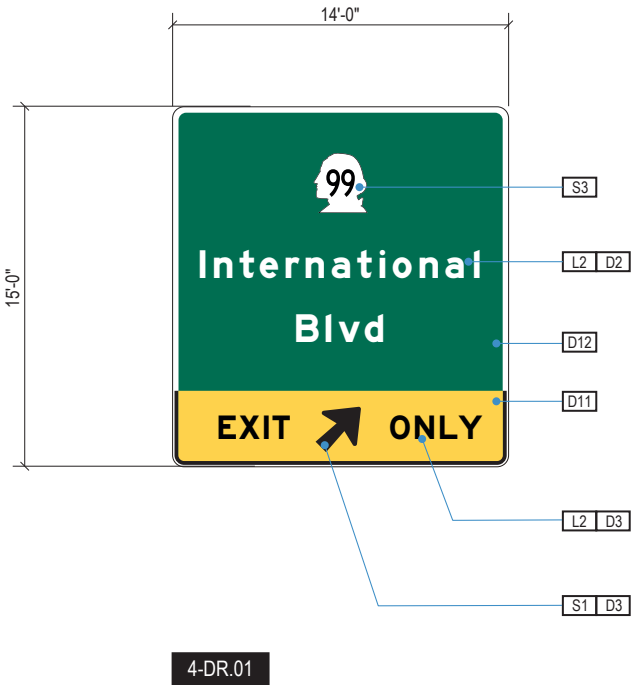
3.3 SIGN TYPES

SHEET NO:

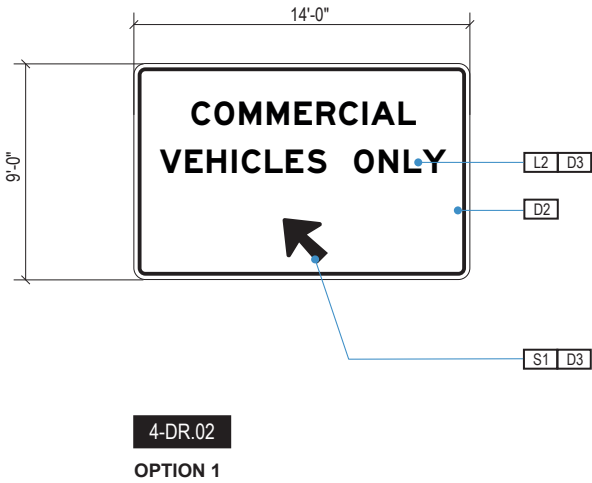
3.3 SIGN TYPES

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

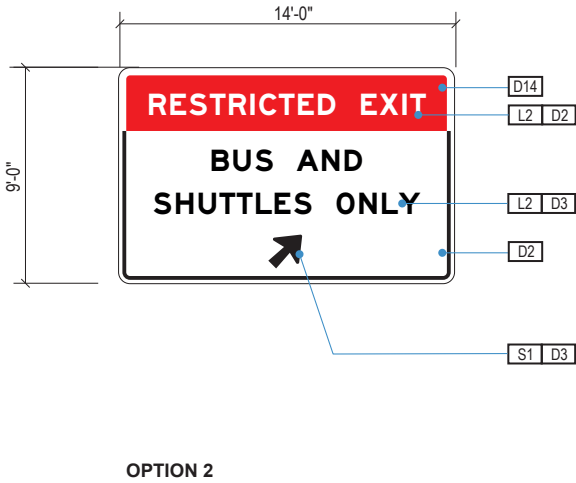
\*NOTE: SEE SHEETS 3-7 & 3-8 FOR MOUNTING OPTIONS



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



2 FACE LAYOUT  
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

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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

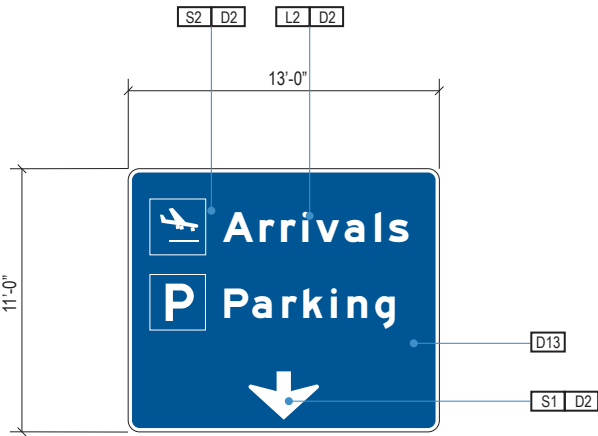
3.3 SIGN TYPES



3.3 SIGN TYPES

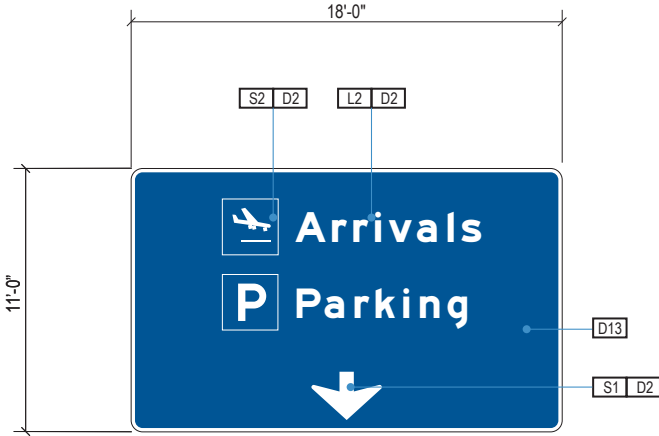
ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.03, 4-DR.04	DIRECTIONAL	*OVERHEAD	Single Lane Overhead Directional Panels

\*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



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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

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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.05, 4-DR.06, 4-DR.07	DIRECTIONAL	*OVERHEAD	Overhead Directional Panels: Multi-lane

\*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.



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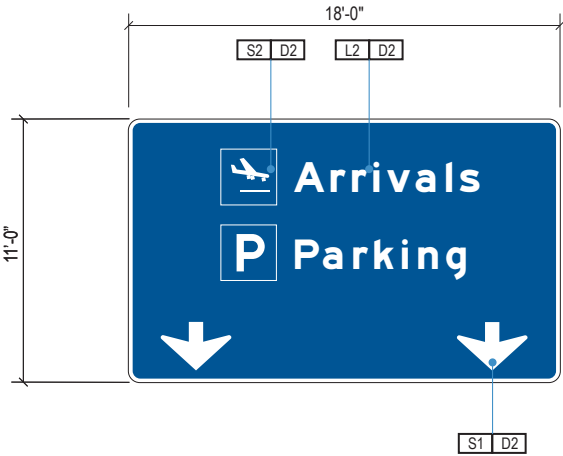
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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

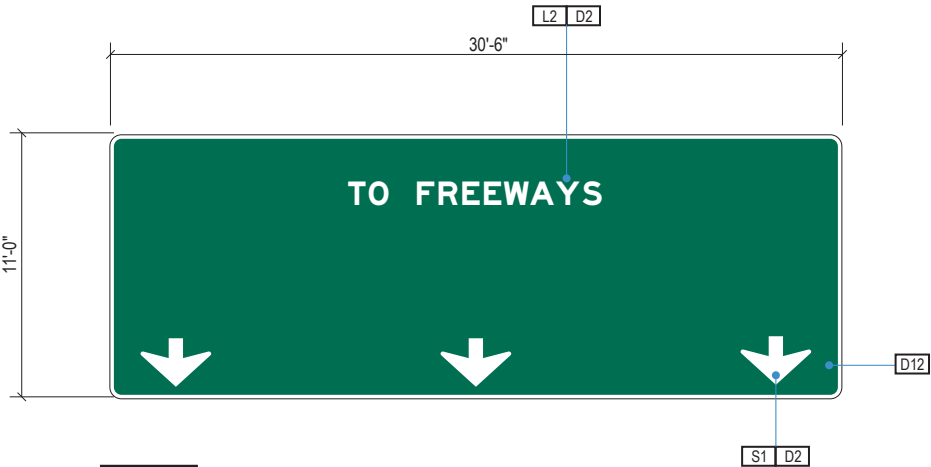
3.3 SIGN TYPES

SHEET NO:



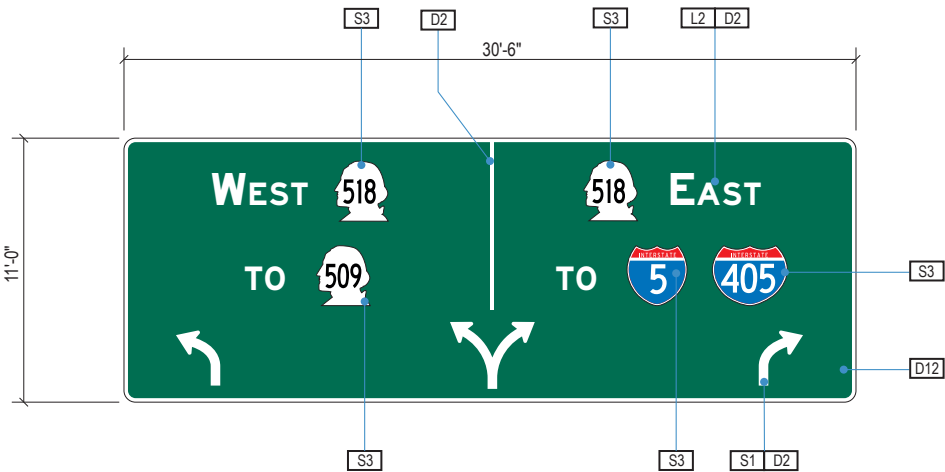
4-DR.05

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



4-DR.07

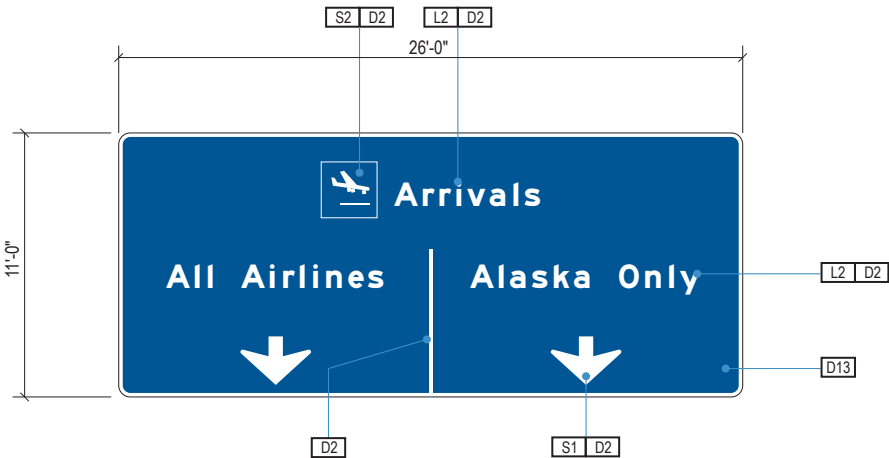
OPTION 1



4-DR.07

OPTION 2

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

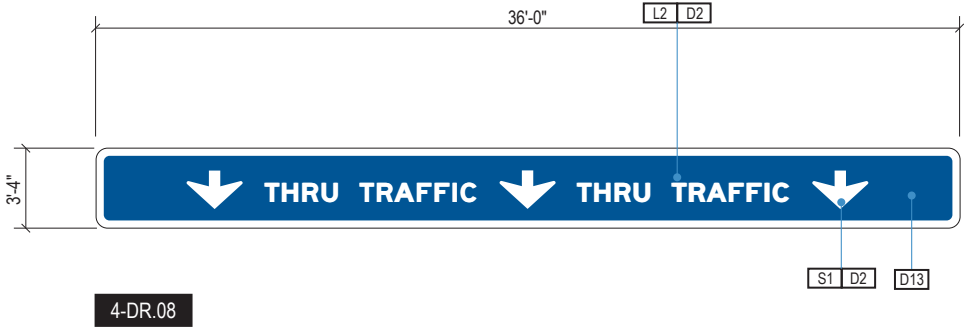


4-DR.06

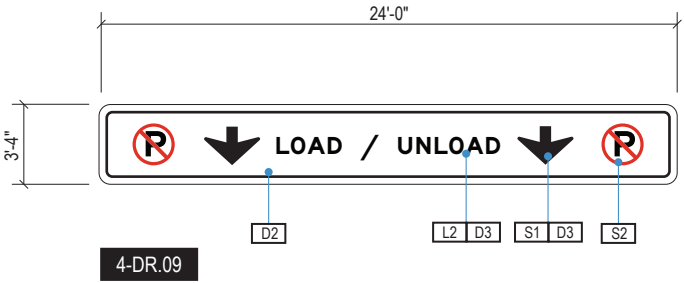
2 FACE LAYOUT  
Scale: 1/8" = 1'-0"

3.3 SIGN TYPES

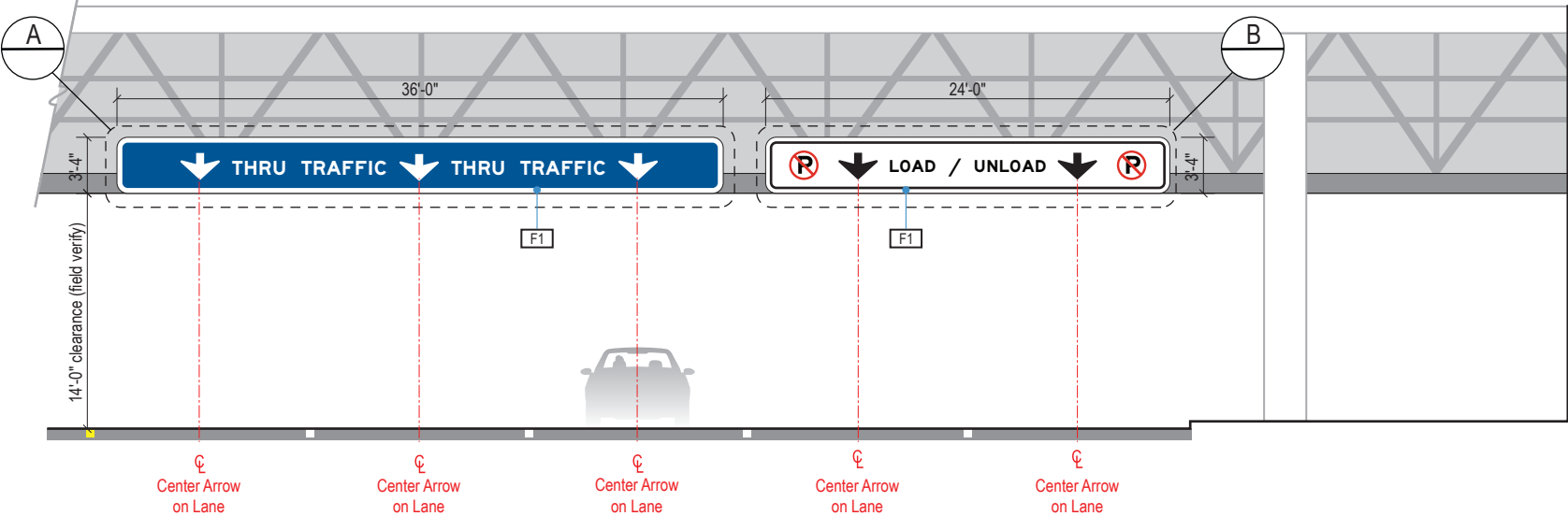
ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.08, 4-DR.09	DIRECTIONAL	OVERHEAD	Overhead Directional Panels: Skybridge Mounted Directionals



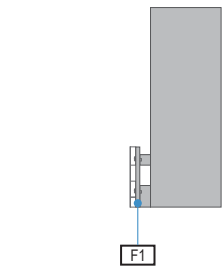
A FACE LAYOUT  
Scale: 1/8" = 1'-0"



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



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



2 SIDE  
Scale: 3/32" = 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 SEA Skybridge/Walkway; 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.

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

1	12/31/21	100% FINAL SUBMITTAL
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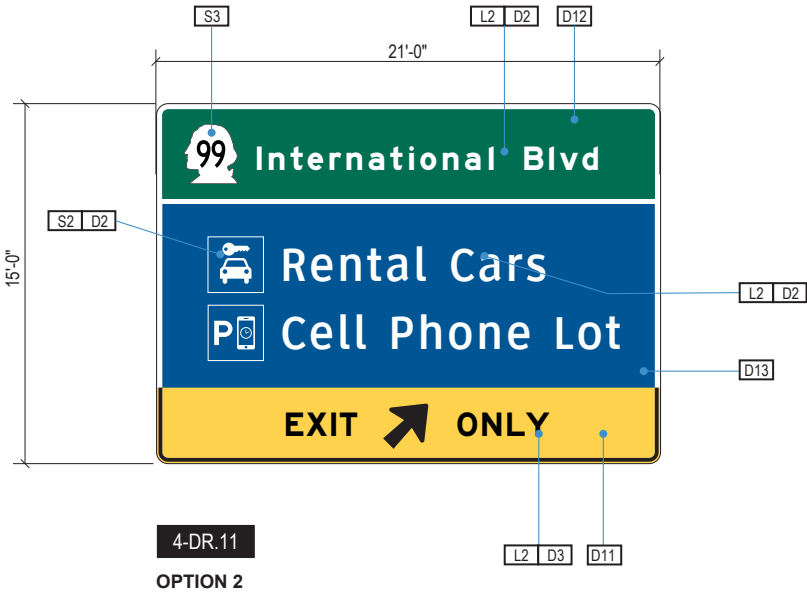
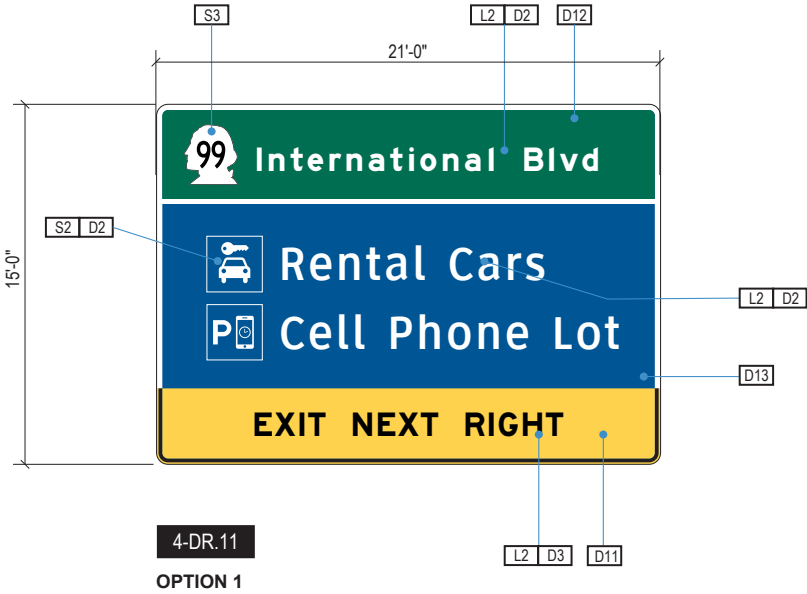
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3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.11	DIRECTIONAL	*OVERHEAD	Overhead Exit Directional Panels

\*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.

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

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Public Roadways

CIVIL / TRANSPORTATION CONSULTANT



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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

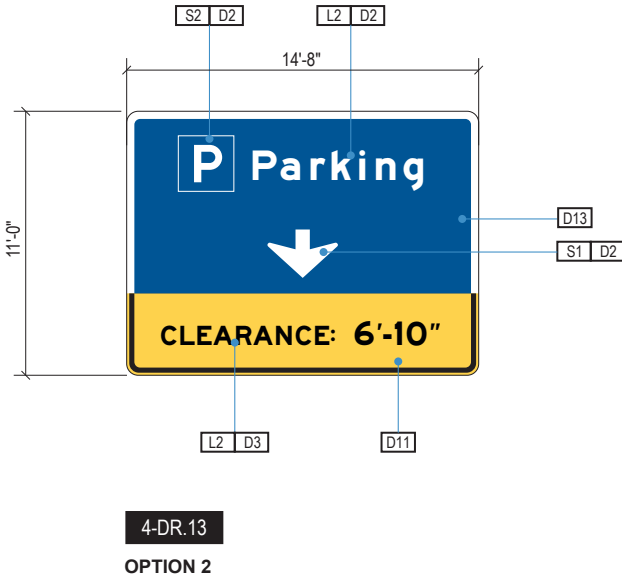
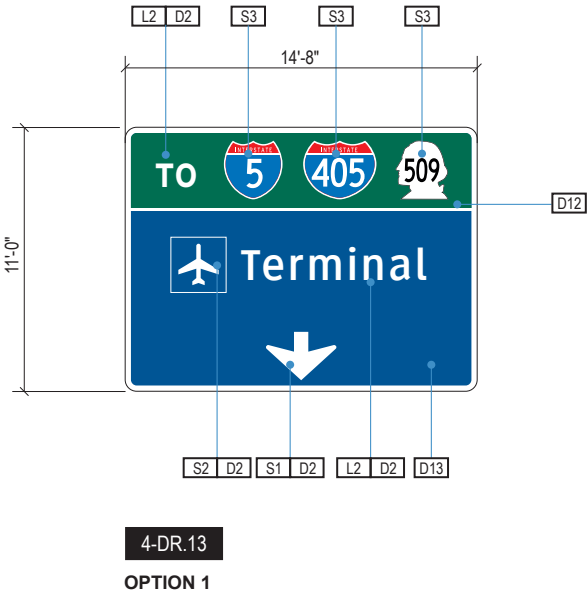
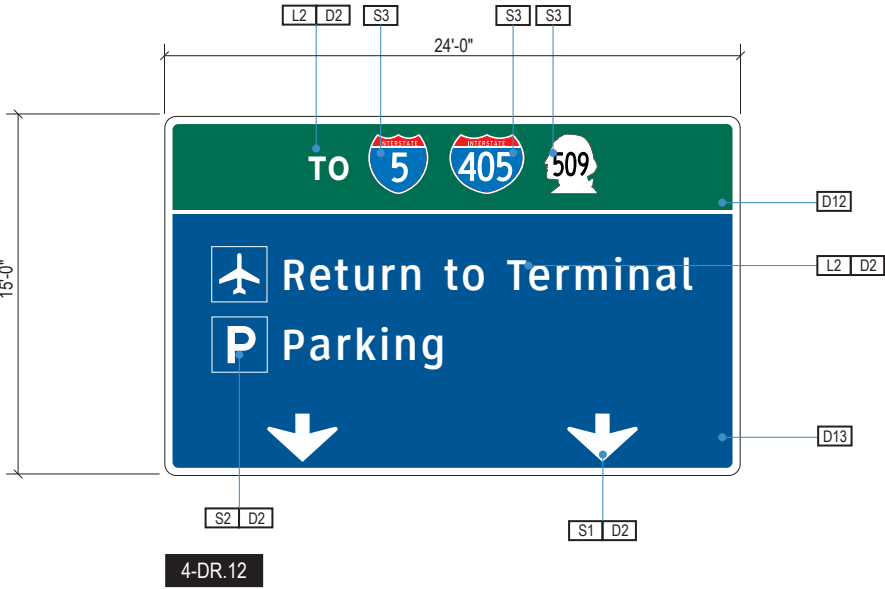
SHEET NO:

3-13

3.3 SIGN TYPES

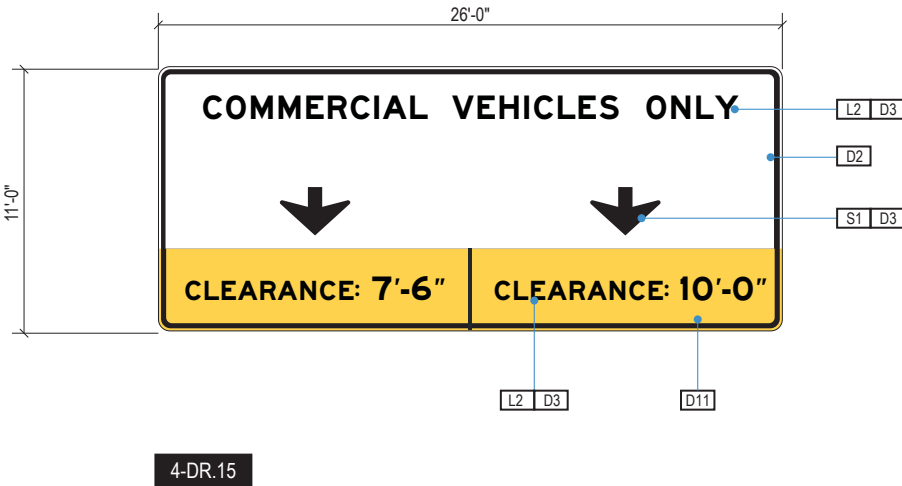
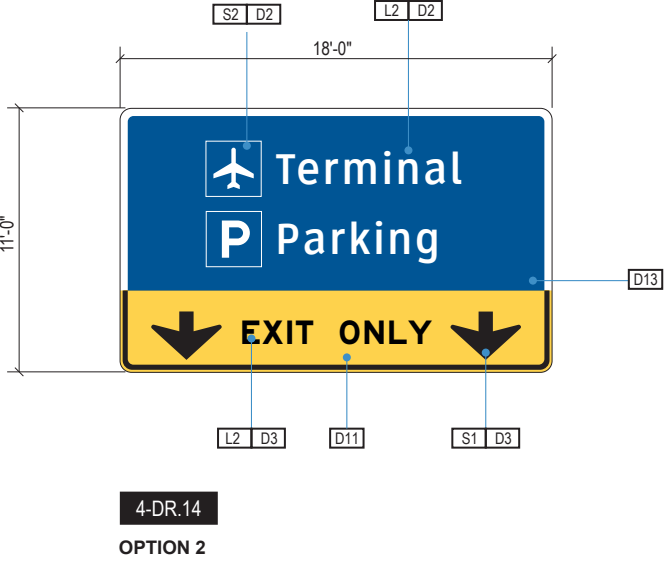
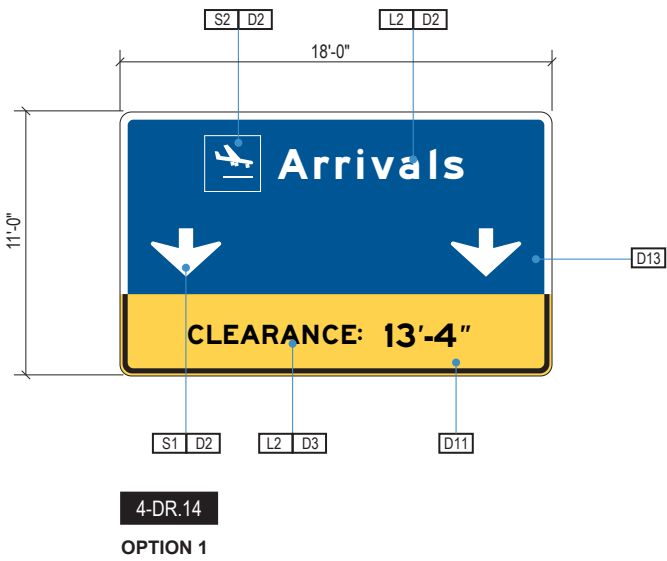
ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.12, 4-DR.13, 4-DR.14, 4-DR.15	DIRECTIONAL	*OVERHEAD	Overhead Directional Panels

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



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

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



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

4 FACE LAYOUT  
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

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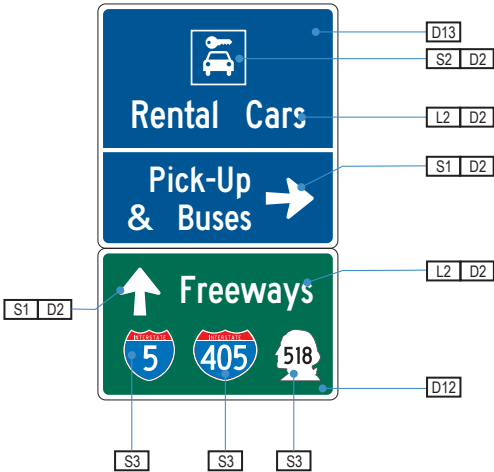
3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

SHEET NO:

3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.21	DIRECTIONAL	ROADSIDE	1 Post Secondary Roadside Directional, 1 side



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 sytem; 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

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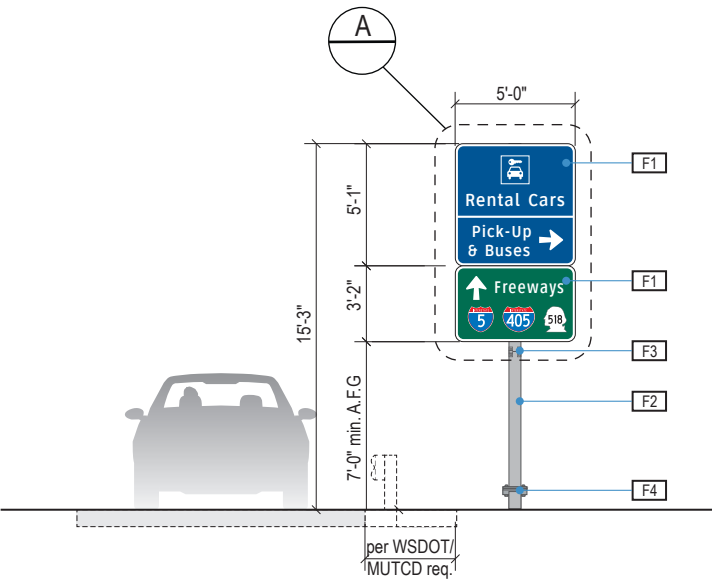
SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

SHEET NO:

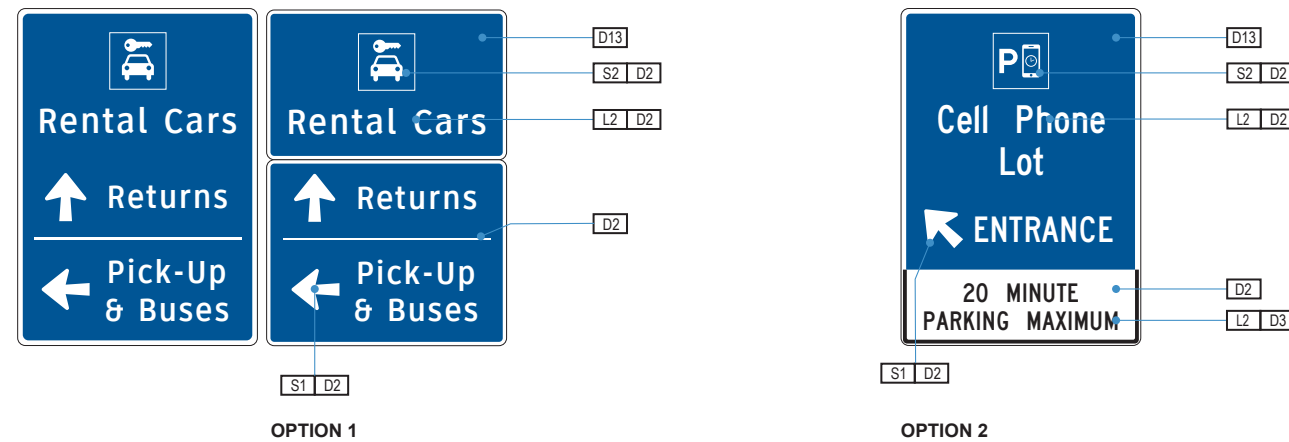
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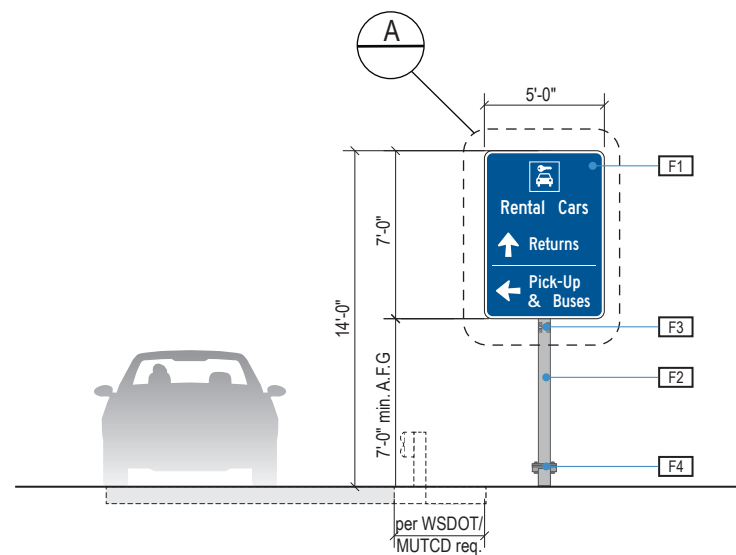
1 ELEVATION  
Scale: 1/8" = 1'-0"

### 3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.22	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/MUTC/D fabricated flat alum. sign panel; overall sign face unit mechanically fastened to standard 2nd surface WSDOT/MUTC/D alum. support frame/ribbing/structure per all WSDOT/MUTC/D 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/MUTC/D 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 base plate.

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



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CONTRACT NO. P-00321121  
SERVICE DIRECTIVE NO. SD2

# WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

**VOLUME 2:**  
**Public Roadways**

CIVIL / TRANSPORTATION CONSULTANT



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SHEET TITLE:

### 3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES

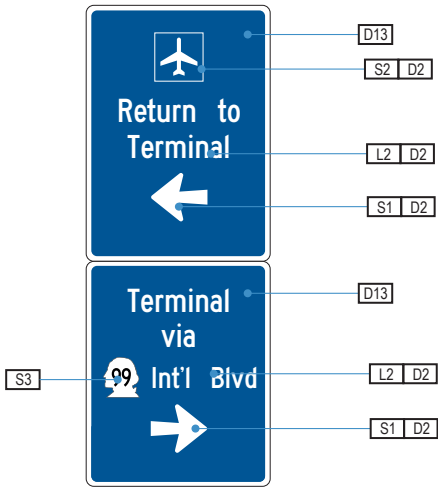
### 3.3 SIGN TYPES

SHEET NO:

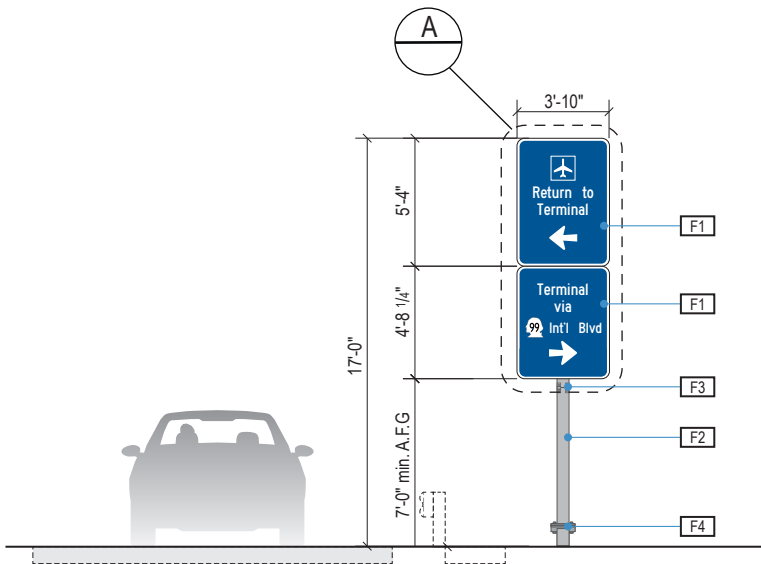


3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.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 sytem; 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:

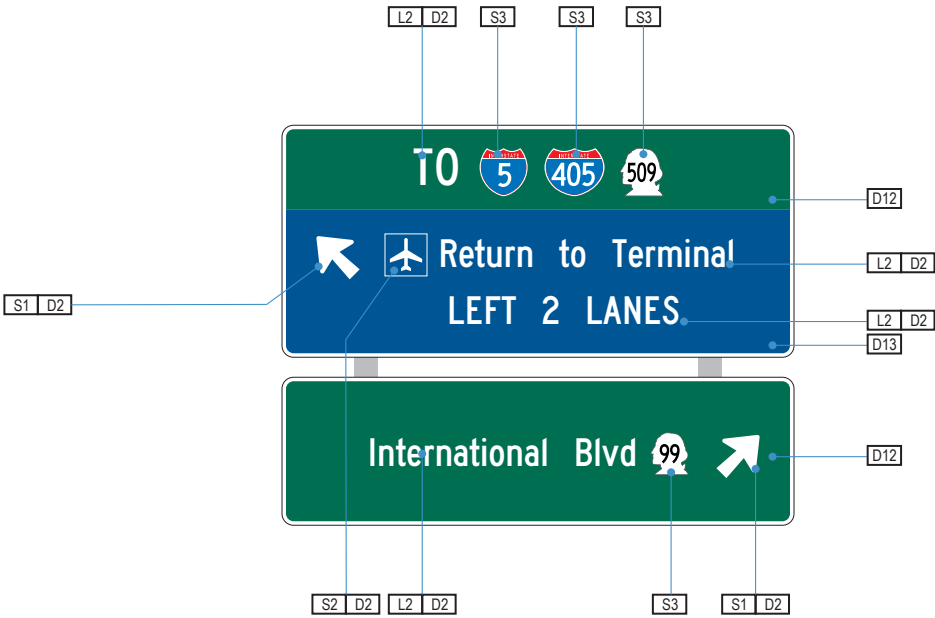
- D2** MUTCD White
- D3** MUTCD Black
- D11** MUTCD Yellow
- D12** MUTCD Green
- D13** MUTCD Blue
- D14** MUTCD Red


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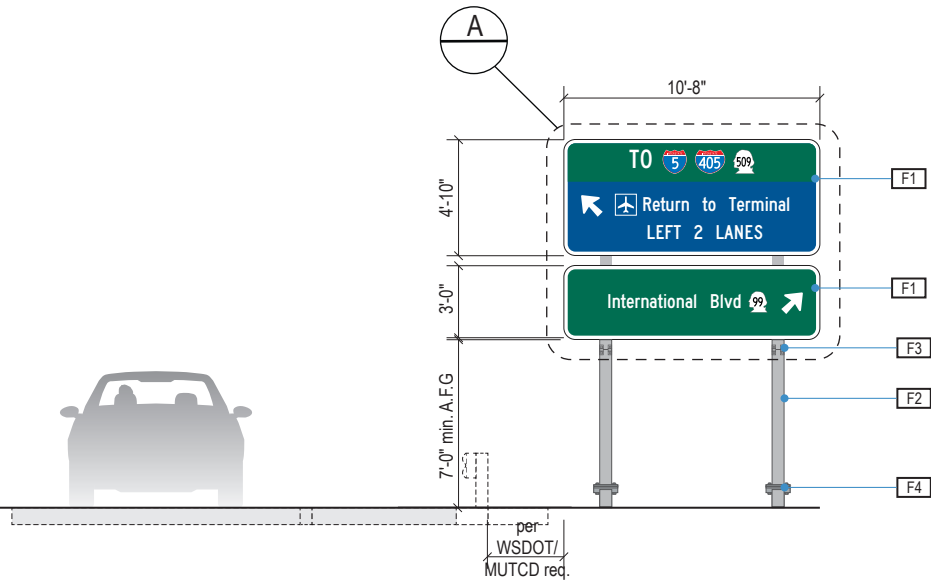

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3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.31	DIRECTIONAL	ROADSIDE	2 Post Large 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 sytem; 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
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- D14** MUTCD Red

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SHEET TITLE:

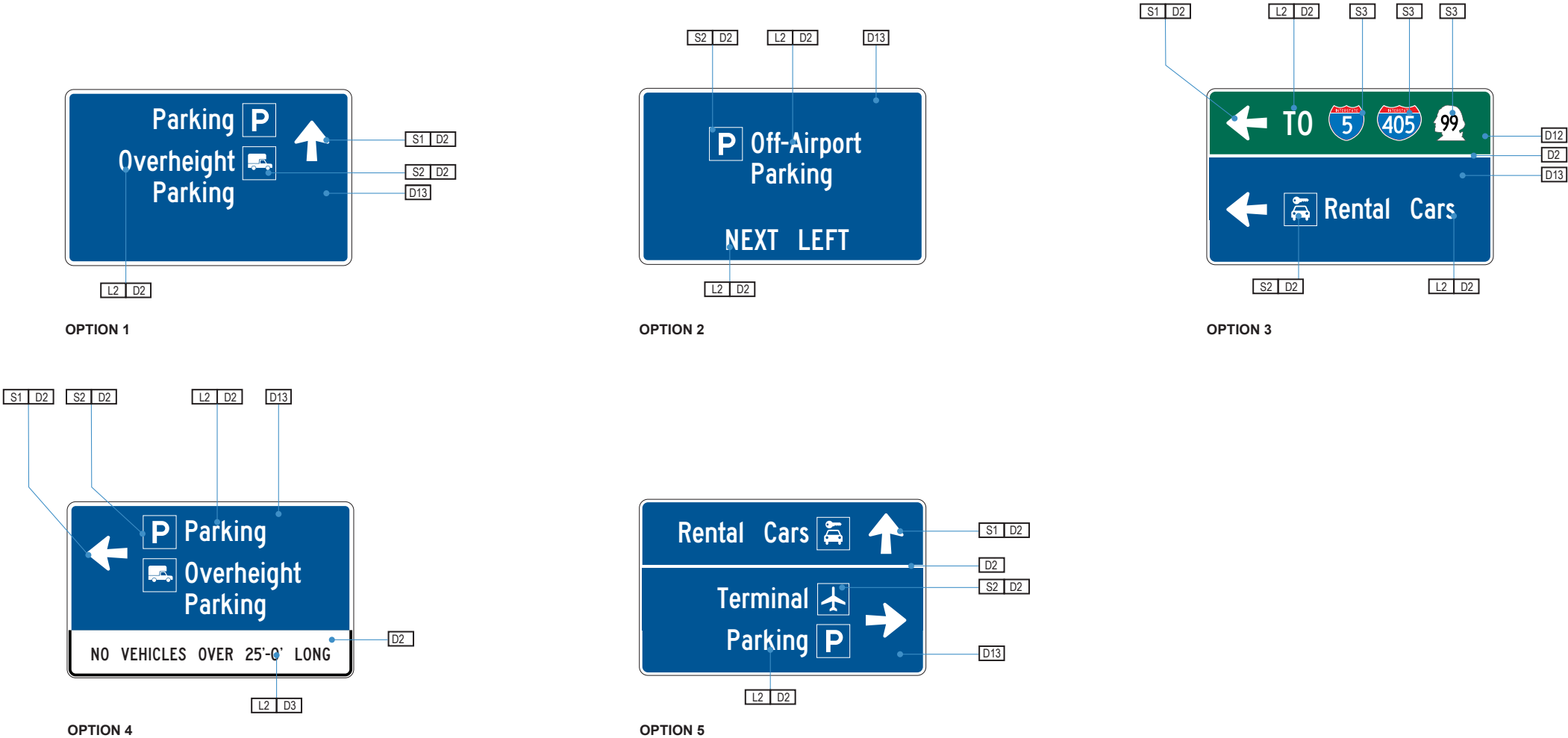
3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

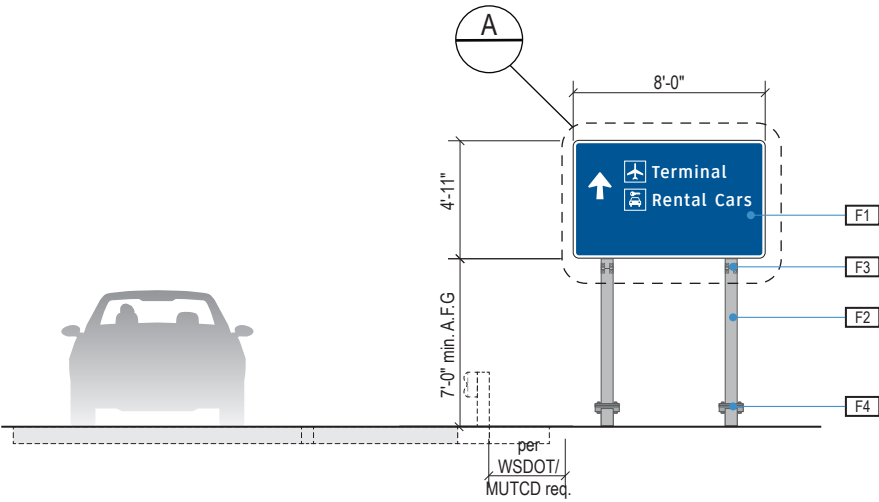
SHEET NO:

3.3 SIGN TYPES

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



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 sytem; 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
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SHEET TITLE:

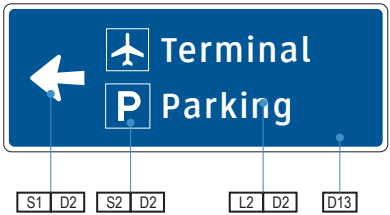
3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

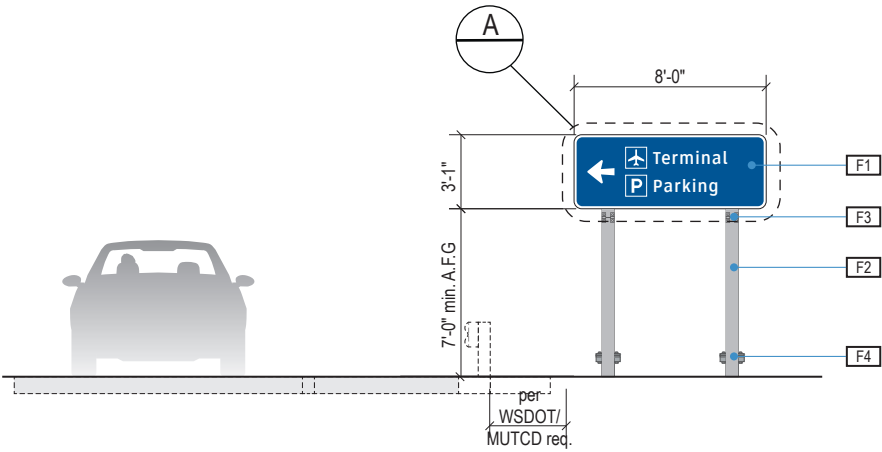
SHEET NO:

3.3 SIGN TYPES

ILLUMINATION	SIGN TYPE	SIGN FUNCTION	MOUNTING METHOD	GENERAL DESCRIPTION & USE
REFLECTIVE	4-DR.33	DIRECTIONAL	ROADSIDE	2 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 sytem; 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

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3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

SHEET NO:

3-20

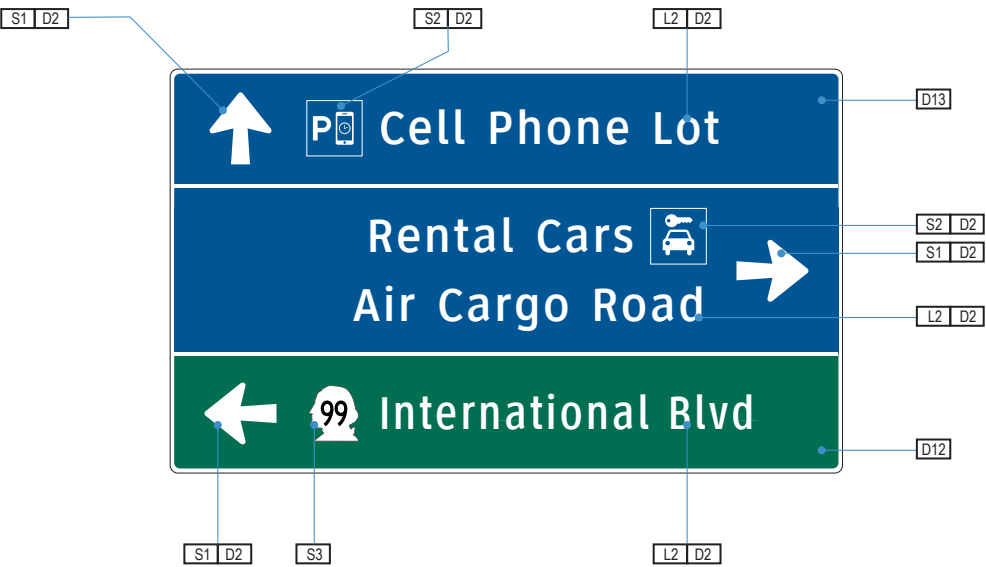


3.3 SIGN TYPES

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

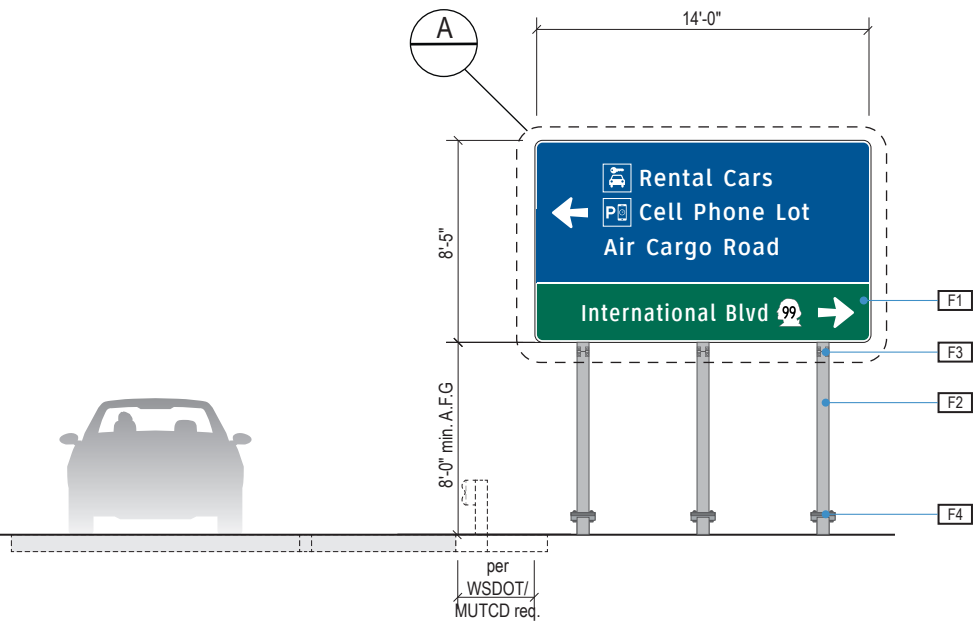


OPTION 1



OPTION 2

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



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).
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LETTERING (TYPEFACES) / SYMBOLS / ARROWS:

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- 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

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SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.3 SIGN TYPES

SHEET NO:

3-21

### 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

COLORS:

**D2** MUTCD White

D3 MUTCD Black

**D11** MUTCD Yellow

**D12** MUTCD Green

**D13** MUTCD Blue

**D14** MUTCD Red



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CONTRACT NO. P-00321121

SERVICE DIRECTIVE NO. SD2

# WAYFINDING SIGNAGE STANDARDS AND GUIDELINES

**VOLUME 2:**  
**Public Roadways**

CIVIL / TRANSPORTATION CONSULTANT



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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

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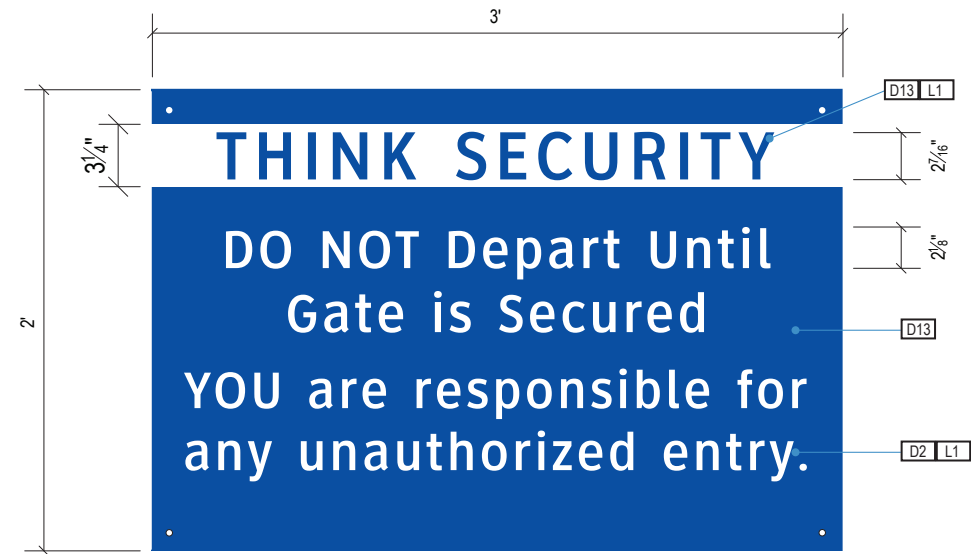
SHEET TITLE:

3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.5 NON-MUTCD SIGN DETAILS

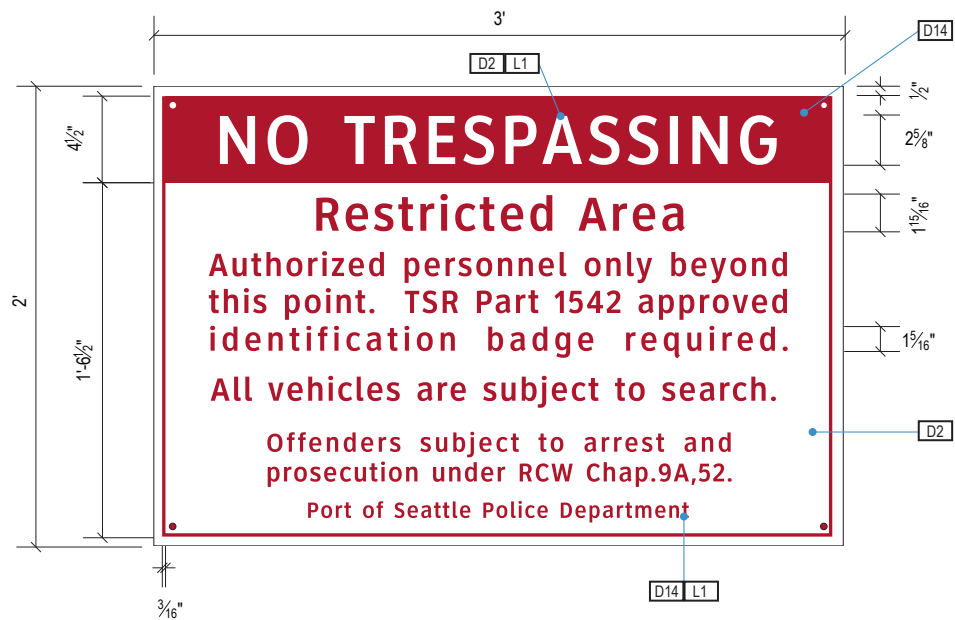
SHEET NO:

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

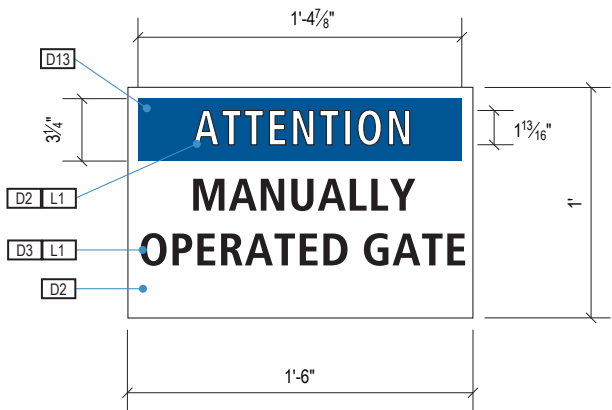
Note: These signs are double faced.



**5-RG.02**  
No Trespassing  
- High Intensity Reflective 0.063 Aluminum Substrait  
- White/Red Background with Red/White Legend



**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-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



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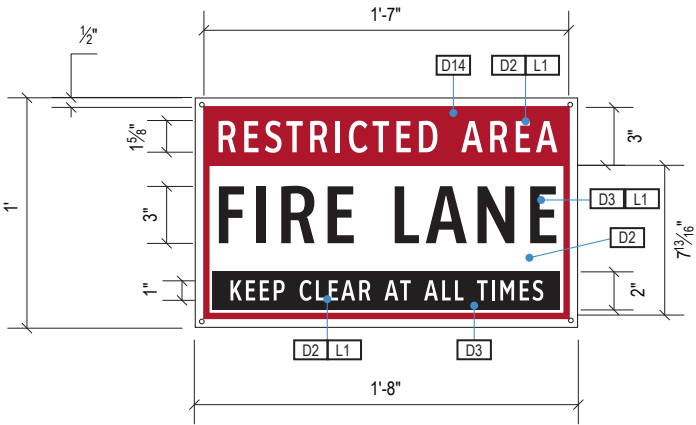
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**3.0 SEA ROADWAY SIGN INDEX AND EXAMPLES**  
  
3.5 NON-MUTCD SIGN DETAILS

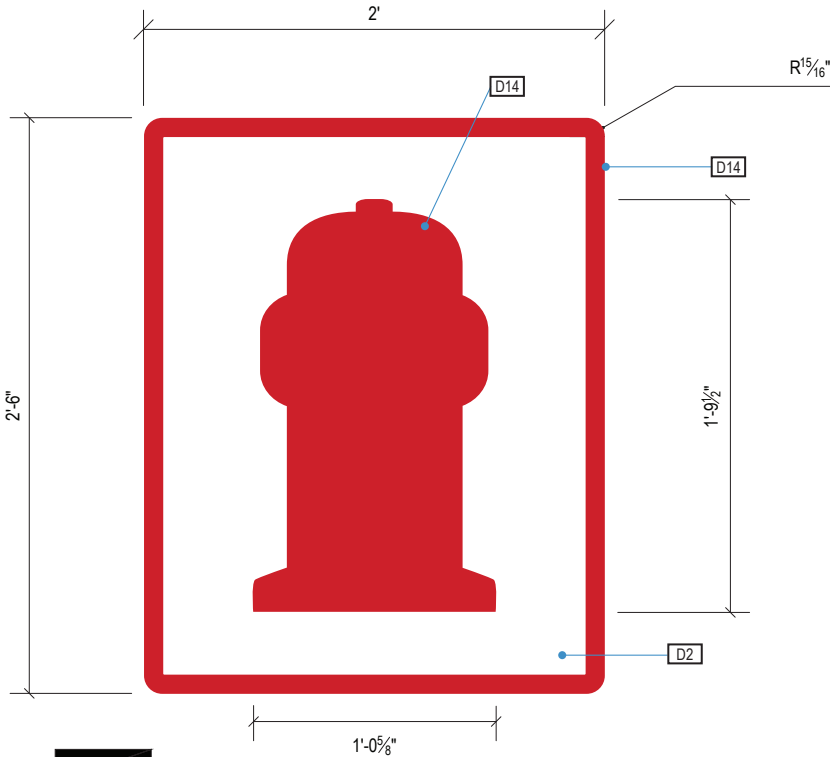


3.5 NON-MUTCD SIGN DETAILS



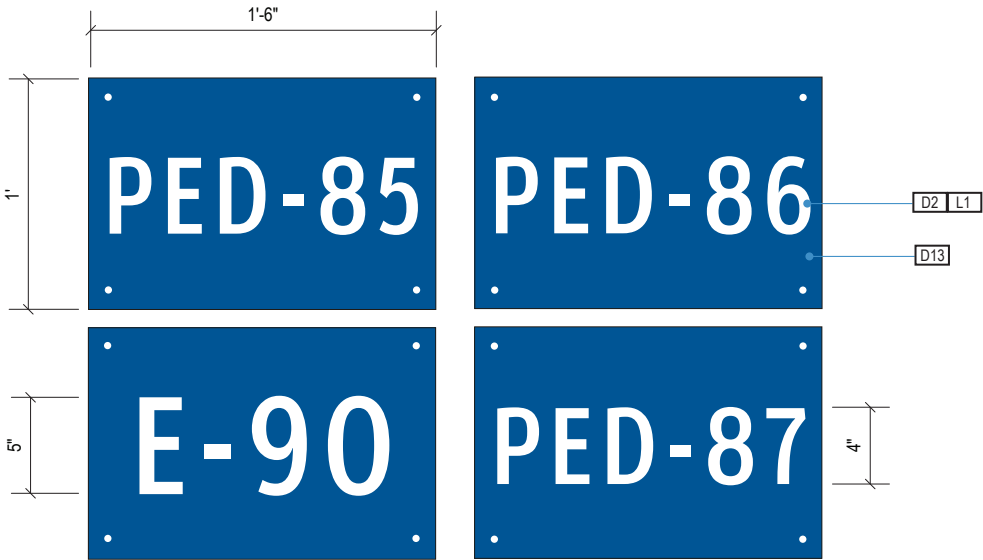
2-RG.11

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



5-IN.02

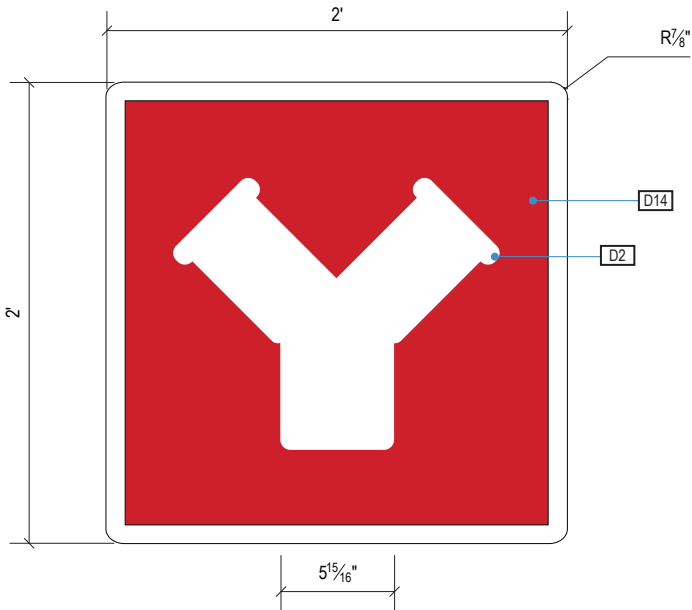
Fire Hydrant  
- 0.090" Aluminum with 3M High Intensity Prismatic Reflective Sheeting 3930DS White vinyl overlay  
- White Background with Red Legend



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


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3.5 NON-MUTCD SIGN DETAILS

NOTE: PLACEHOLDER FOR EV PARKING  
DESIGN DETAIL

3-IN.01  
EV Parking

SEA

Seattle-Tacoma  
International  
Airport

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3.0 SEA ROADWAY SIGN  
INDEX AND EXAMPLES

3.5 NON-MUTCD SIGN DETAILS

SHEET NO:

3-26

3.5 NON-MUTCD SIGN DETAILS

NOTE: PLACEHOLDER FOR TRAFFIC CONTROL SIGN DETAIL

3-IN.02  
Traffic Control

SEA

Seattle-Tacoma  
International  
Airport

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INDEX AND EXAMPLES

3.5 NON-MUTCD SIGN DETAILS

SHEET NO:

3-27