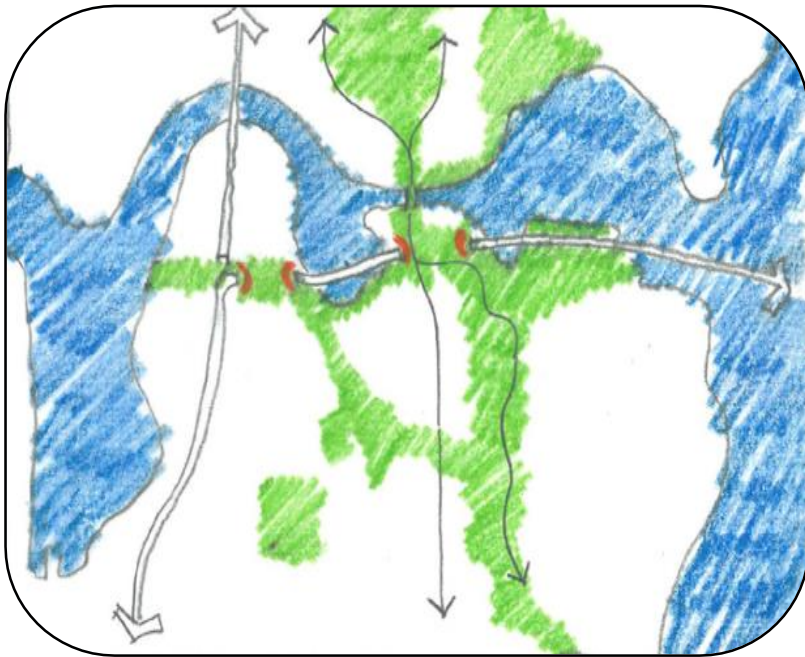


SR 520 – Rest of the West

Seattle Design Commission

February 4, 2016



Julie Meredith
SR 520 Program Director

Lynn Peterson
Secretary of Transportation

Seattle Design Commission
Seattle City Hall
February 4, 2016

Presentation Overview

- SR 520 Program Overview and Update
 - Purpose and need
 - Corridor design history
 - Rest of the West
- SR 520 / SDC Coordination Work Plan
 - Scope and constraints
 - Work plan outcomes
 - Asks of the SDC today
 - Timeline
- Application of Work Plan
 - Project Vision
 - Areas of focus
 - SDC topics of discussion
 - West Approach Bridge
- Today, Seeking Endorsement of:
 - Work plan



Safety and Mobility Improvements

The SR 520 Bridge Replacement and HOV Program is a \$4.56 billion investment in the regional transportation system. The program is enhancing a vital connection from Seattle to the Eastside via Lake Washington, resulting in major improvements for drivers, transit riders, bicyclists and pedestrians.

Replacing vulnerable structures



The SR 520 program is improving safety by:

- Replacing aging and vulnerable bridge structures currently at risk of failure
- Adding full outside shoulders
- Adding safer, smoother merges and sightlines
- Improving bicycle and pedestrian connectivity

Enhancing mobility



The SR 520 program is enhancing mobility by:

- Adding new transit/HOV lanes for better bus and carpool trip reliability
- Building a new 14-foot-wide bicycle and pedestrian path
- Adding new median transit stops and direct-access ramps along the corridor

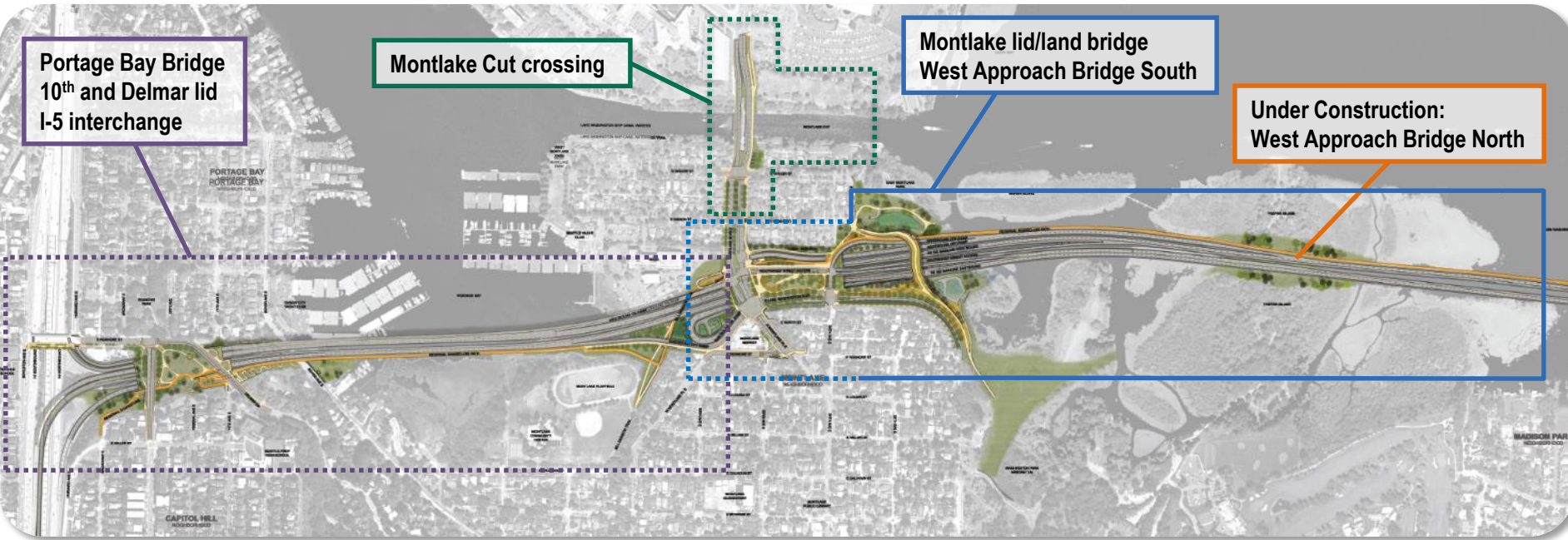
SR 520 Program Overview and Timeline



Program schedule

- Eastside Transit and HOV Project: Opened 2014
- Pontoon Construction Project (Aberdeen): Completed 2015
- New floating bridge: Opening April 2016
- West Approach Bridge North: Construction under way; opening summer 2017
- Rest of the West: Funded / In design

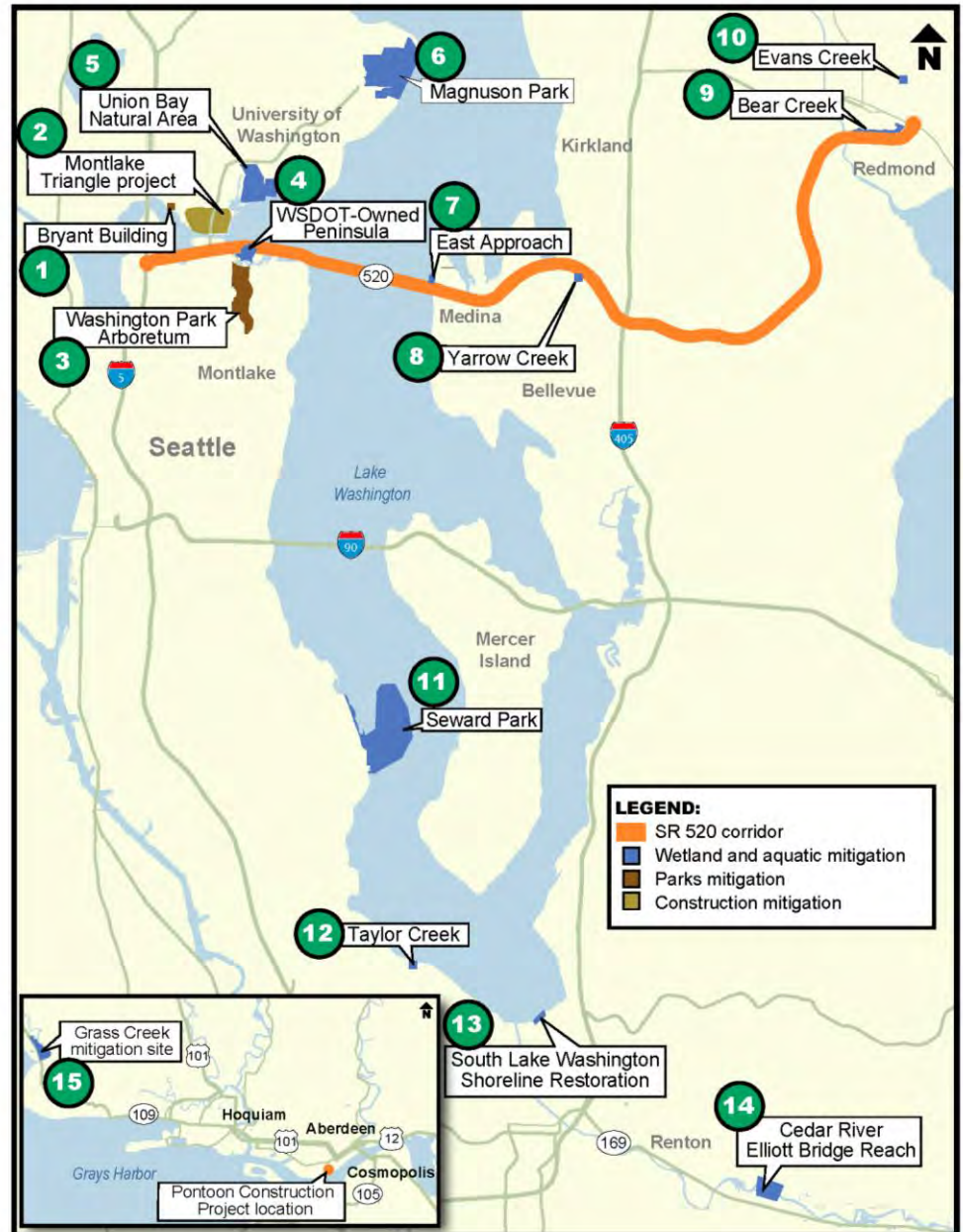
Rest of the West – Baseline Design



DRAFT 2/4/2016

SR 520 Mitigation

- ✓ 1. Byrant Building
- ✓ 2. Montlake Triangle
- ✓ 3. Washington Park Arboretum
- 4. WSDOT Peninsula
- 5. Union Bay Natural Area
- 6. Magnuson Park
- 7. East Approach
- ✓ 8. Yarrow Creek
- ✓ 9. Bear Creek
- ✓ 10. Evans Creek
- ✓ 11. Seward Park
- 12. Taylor Creek
- ✓ 13. South Lake Washington shoreline restoration
- ✓ 14. Cedar River Elliott Bridge Reach
- ✓ 15. Grass Creek



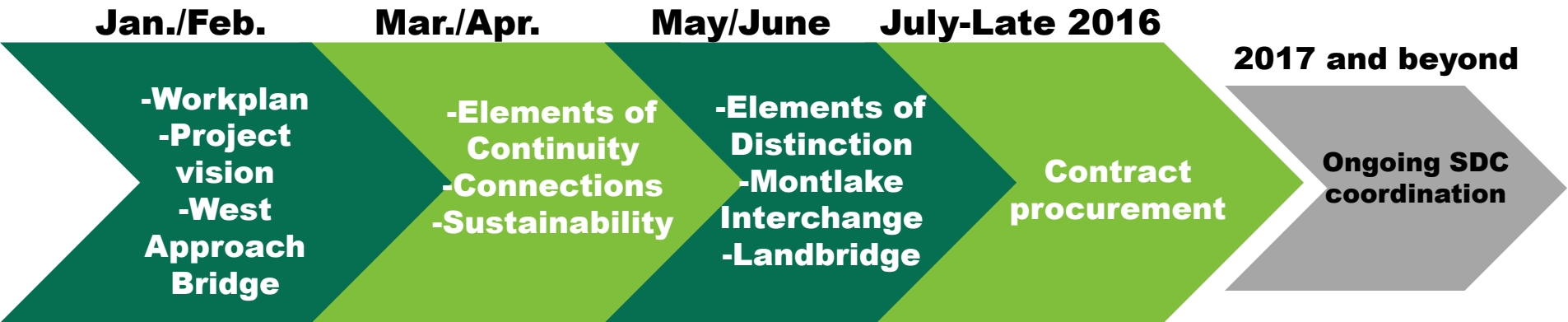
SR 520 Corridor Design History

- **SR 520 Corridor**
 - 1997-2003: Trans-Lake Washington Study
 - 2006: Corridor Aesthetic Handbook
- **SR 520, I-5 to Medina (Westside)**
 - 2008: Health Impact Assessment
 - 2009: ESSB 6099 Westside Mediation
 - 2010: ESHB 2211 Workgroup
 - 2011: Final Environmental Impact Statement
 - 2012: Seattle Community Design Process
 - 2014: Final Concept Design
- **SR 520, Medina to SR 202 (Eastside)**
 - 2009: Eastside Community Design Collaboration Report
 - 2010: Eastside Urban Design Criteria
- **SR 520, Floating Bridge**
 - 2011: Bridge Architecture Design Principles

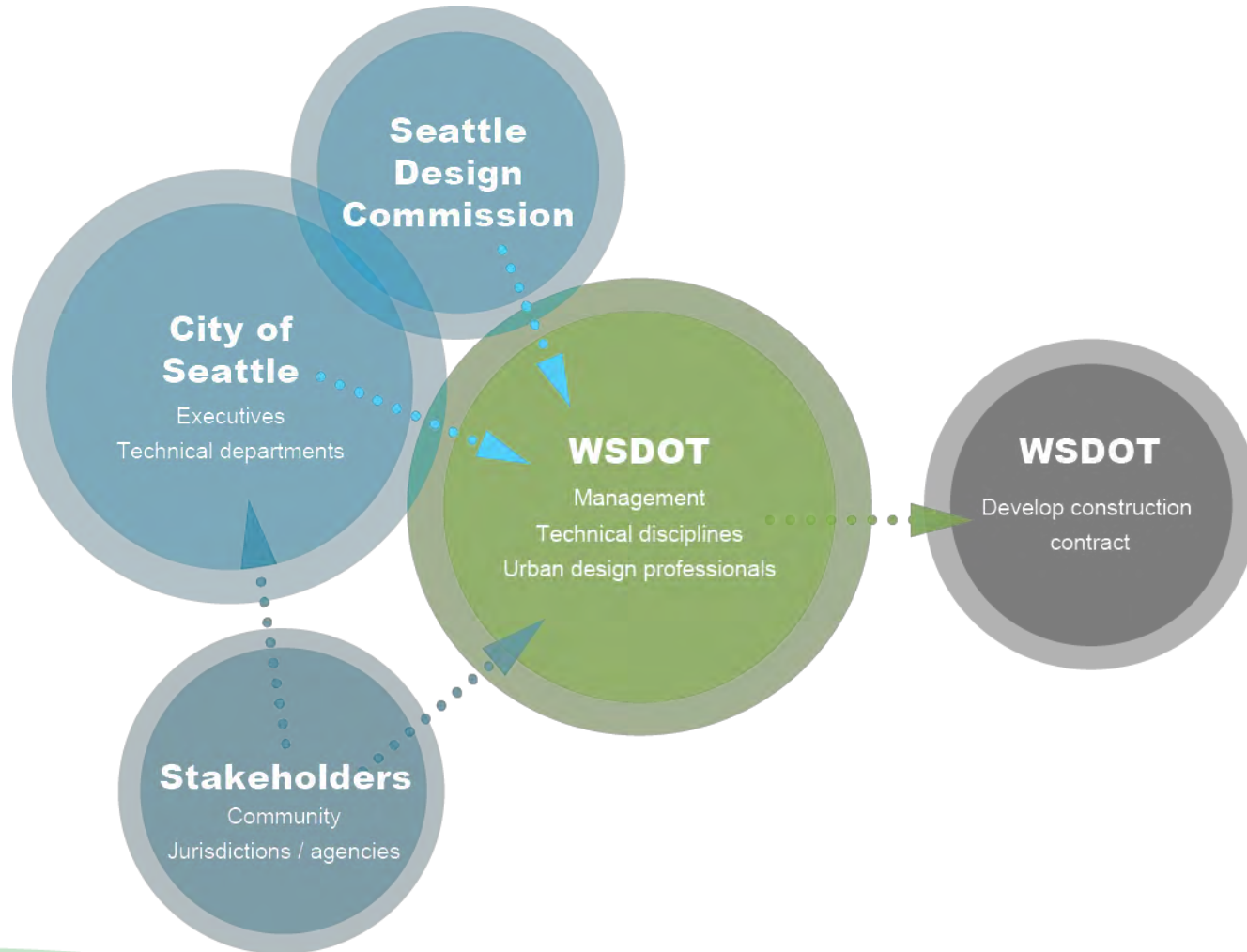


Timeline

- **Jan. – June 2016: Design Focus**
 - Ongoing coordination with SDC Subcommittee
 - Briefings with full SDC
- **Summer – Late 2016: Contract Procurement Focus**
 - Participation in contract procurement process



Project Stakeholders and City of Seattle Coordination



SR 520 / SDC Work Plan

- **City's objectives**

- Fulfill the direction of City Council Resolutions 31427 and 31611
- Faithfully implement the West Side Final Concept Design
- Advocate for city and stakeholder interests
- Promote design excellence



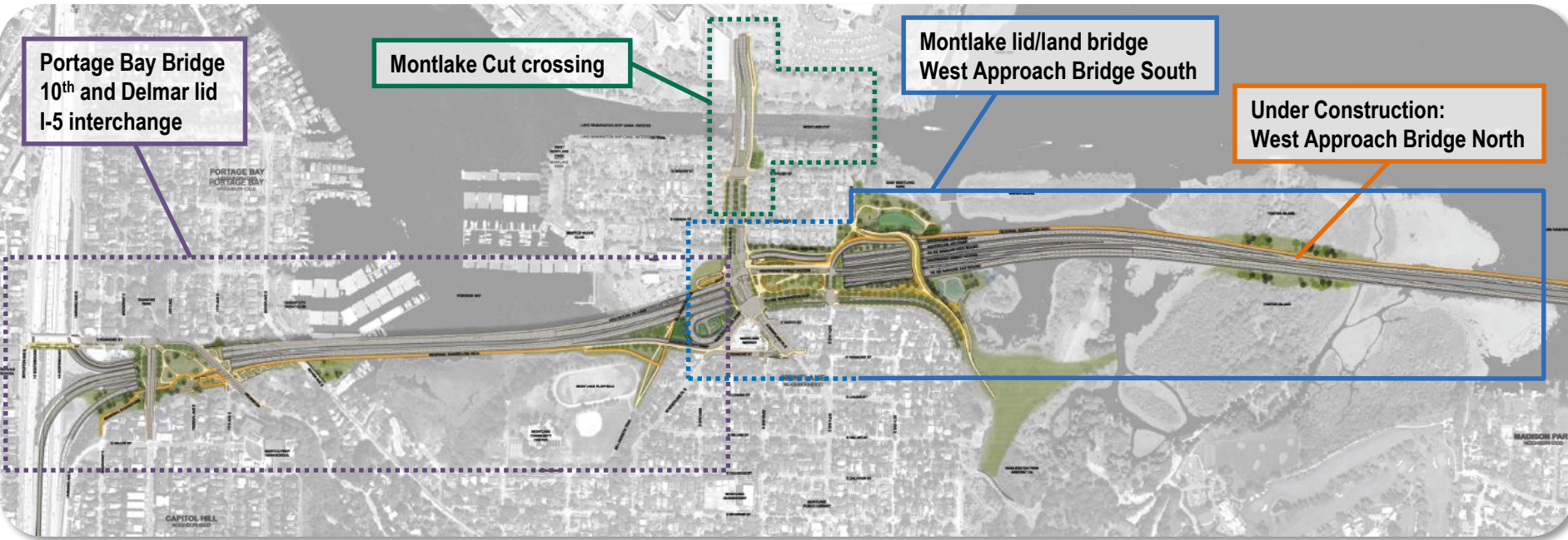
- **WSDOT's objectives**

- Fulfill design Vision developed with the SDC, City of Seattle and broader community
- Address SDC feedback on 2014 Final Concept Design
- Build on past work to document urban design criteria for future construction contracts

- **WSDOT ask for SDC today**

- Endorse Work Plan for:
 - Montlake Lid and interchange
 - Land Bridge
 - Corridor areas of focus

Rest of the West – Baseline Design

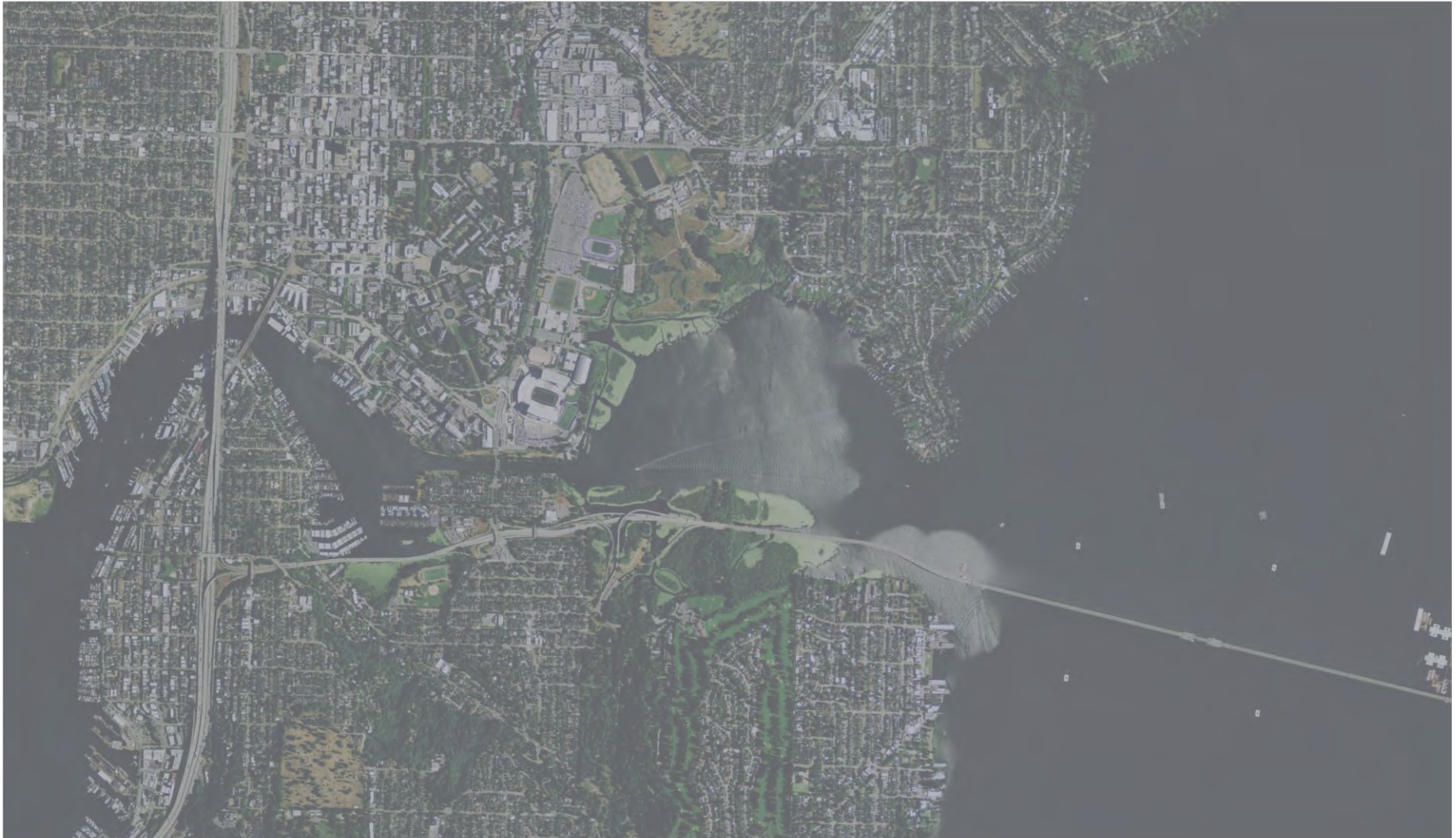


DRAFT 2/4/2016

Design Discussion

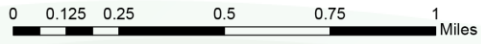
- Vision
 - Context: Plants, Paths, Places
 - Vision Statement
 - Conceptual Design
- Elements of Focus
 - Elements of Continuity
 - Elements of Distinction
- Initial Observations
 - Open Space
 - Gateways
 - Outlooks
- West Approach Bridge
- Work Plan

Vision and Context



Vision:

Context

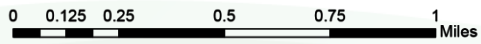


Vision:

Context



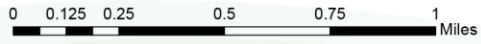
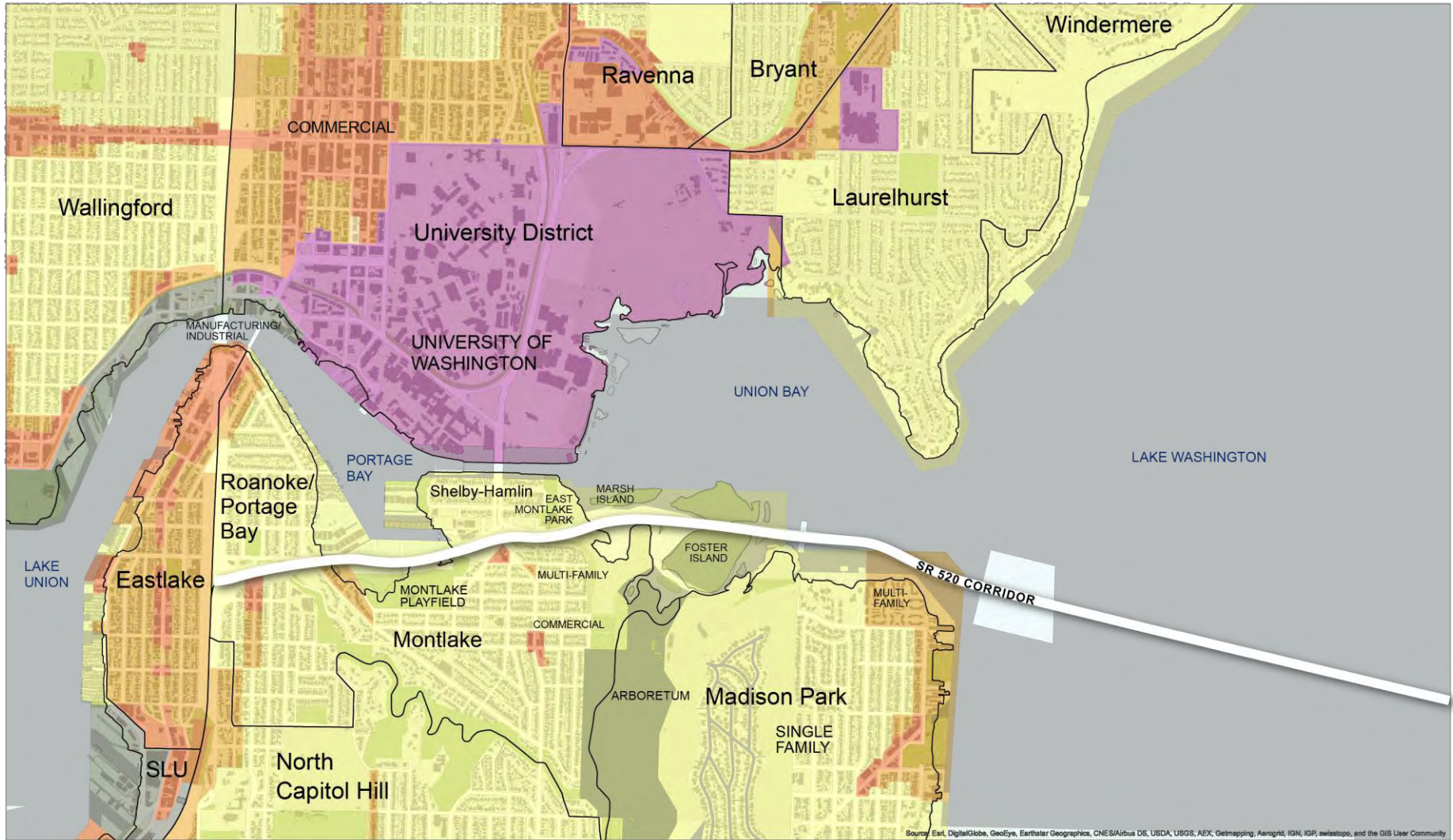
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEC, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



TRANSPORTATION NETWORK (PATHS)₁₅

Vision:

Context



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Geomatics, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community

NEIGHBORHOOD
*(PLACES)*₆

Vision:

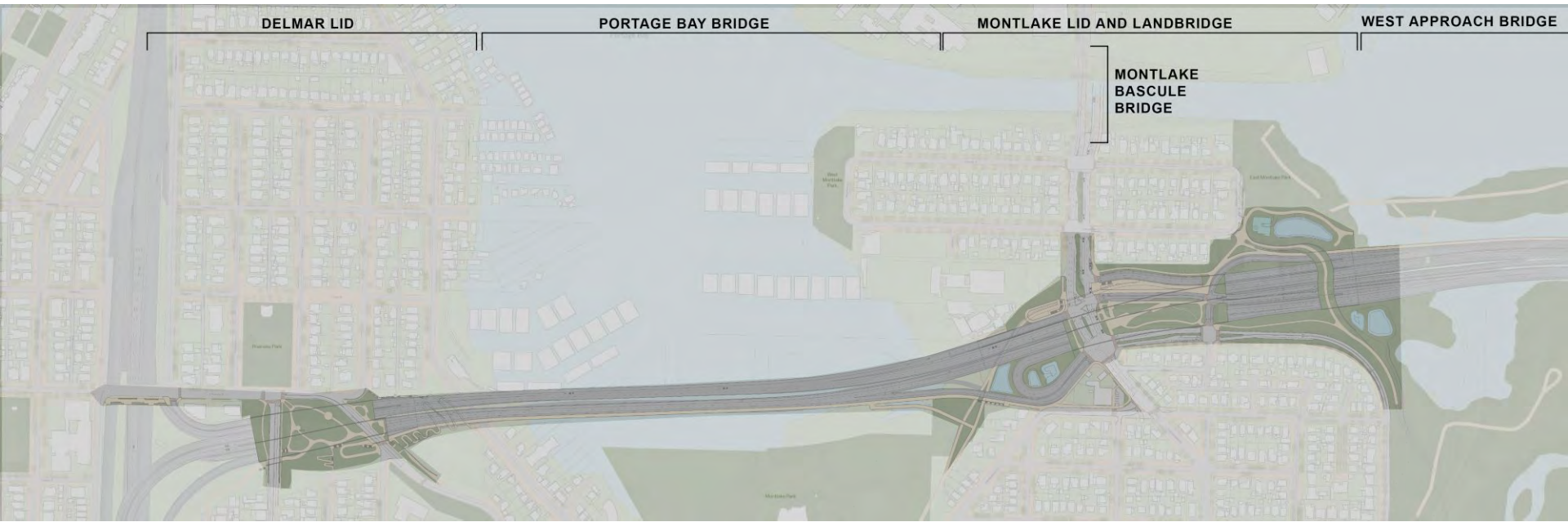
Nature meets City

- Practical Solutions
- Sustainability
- Balance Aesthetics, Functionality and Sense of Speed
- Memorable Experience



Vision:

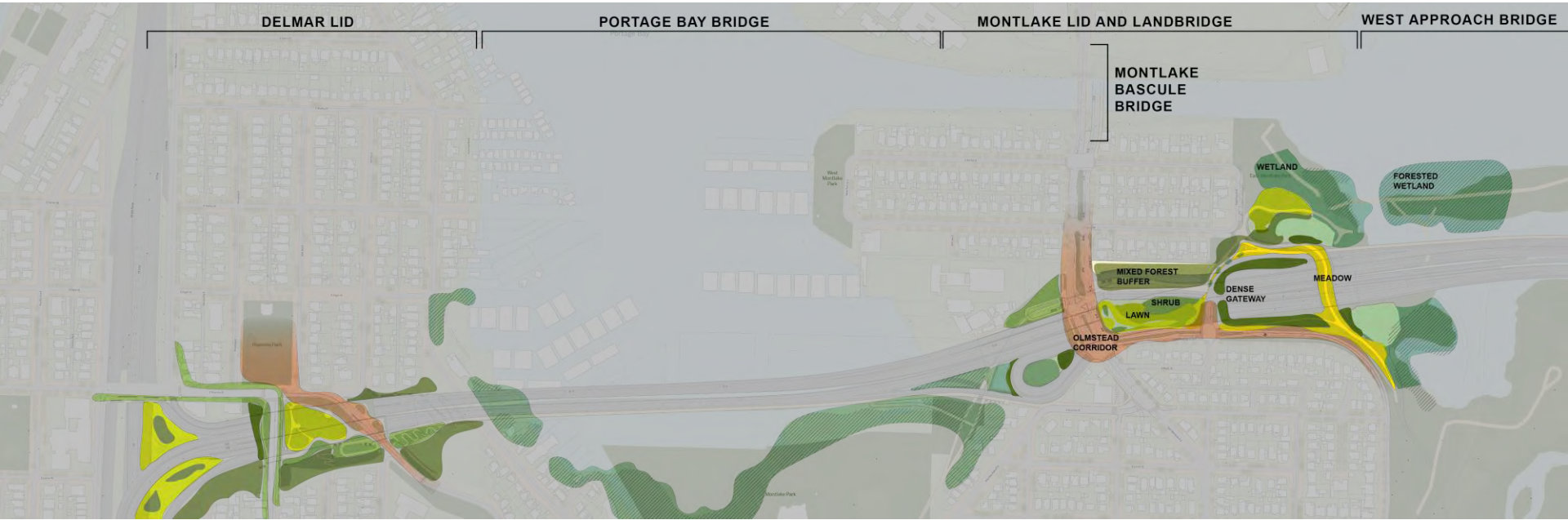
Rest of the West Corridor



Vision:

Rest of the West Corridor

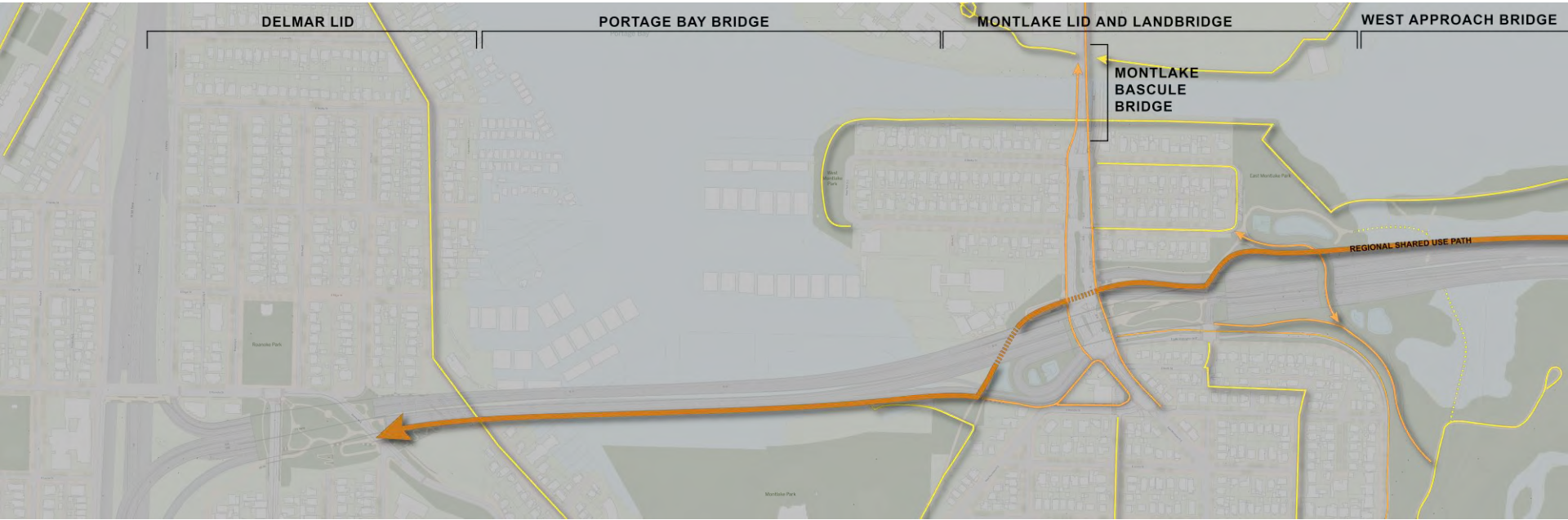
Planting



Vision:

Rest of the West Corridor

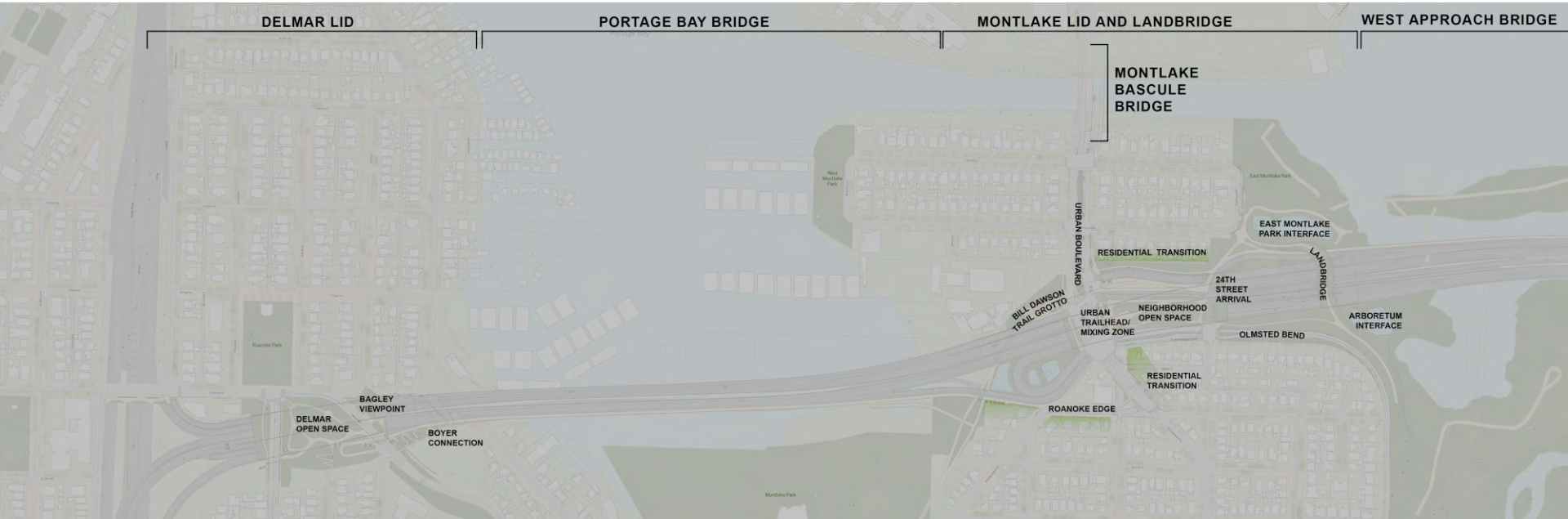
Pathways



Vision:

Rest of the West Corridor

Places



Areas of Focus

Elements of Continuity

Corridor/City Scale



Overview

Areas of Focus

Elements of Distinction

Neighborhood/Local Scale



Overview

Areas of Focus

Elements of Continuity



Transportation Network

Areas of Focus

Networks: Context



Areas of Focus

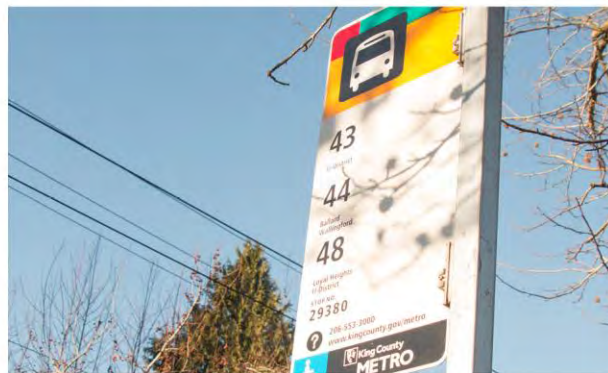
Elements of Continuity



Signage & Wayfinding

Areas of Focus

Signage: Context



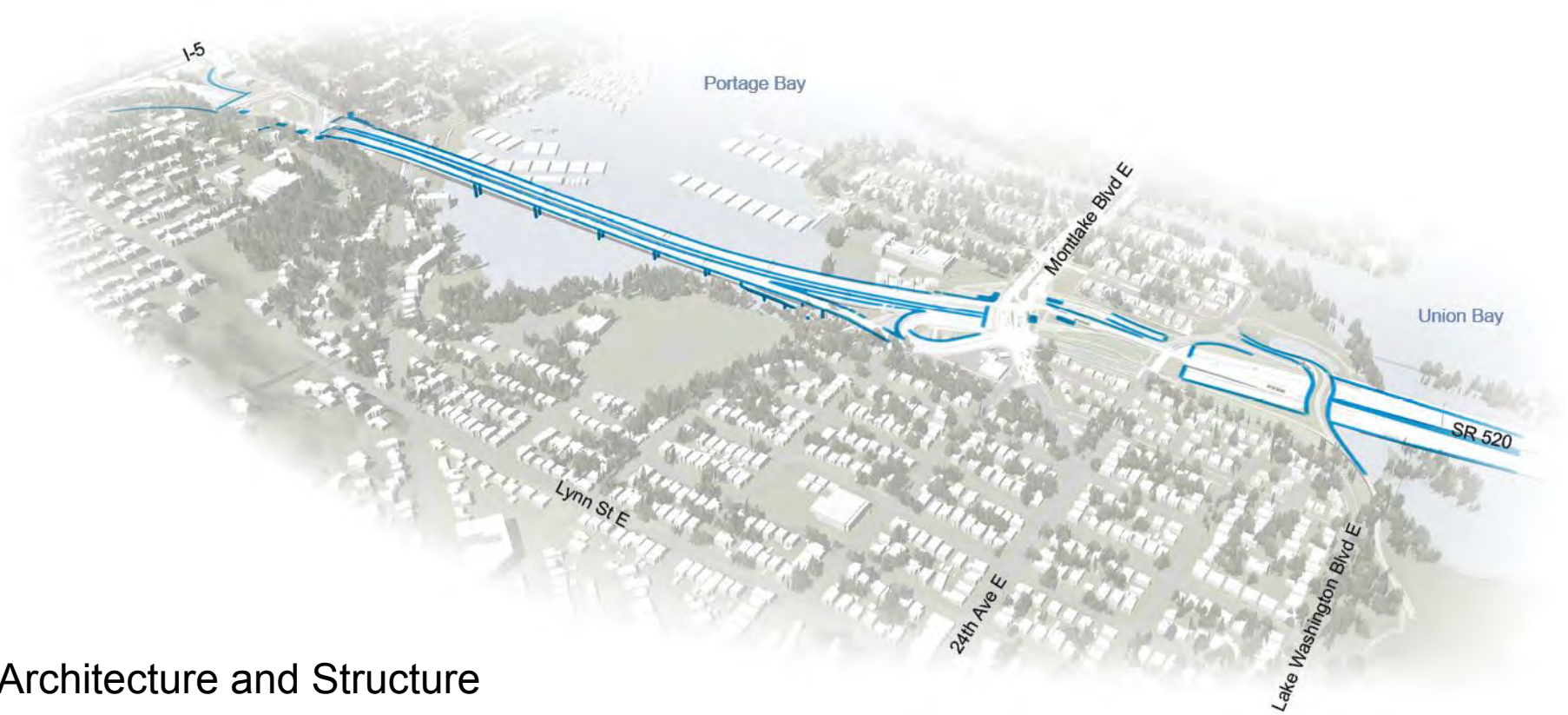
Areas of Focus

Wayfinding: Context



Areas of Focus

Elements of Continuity



Architecture and Structure

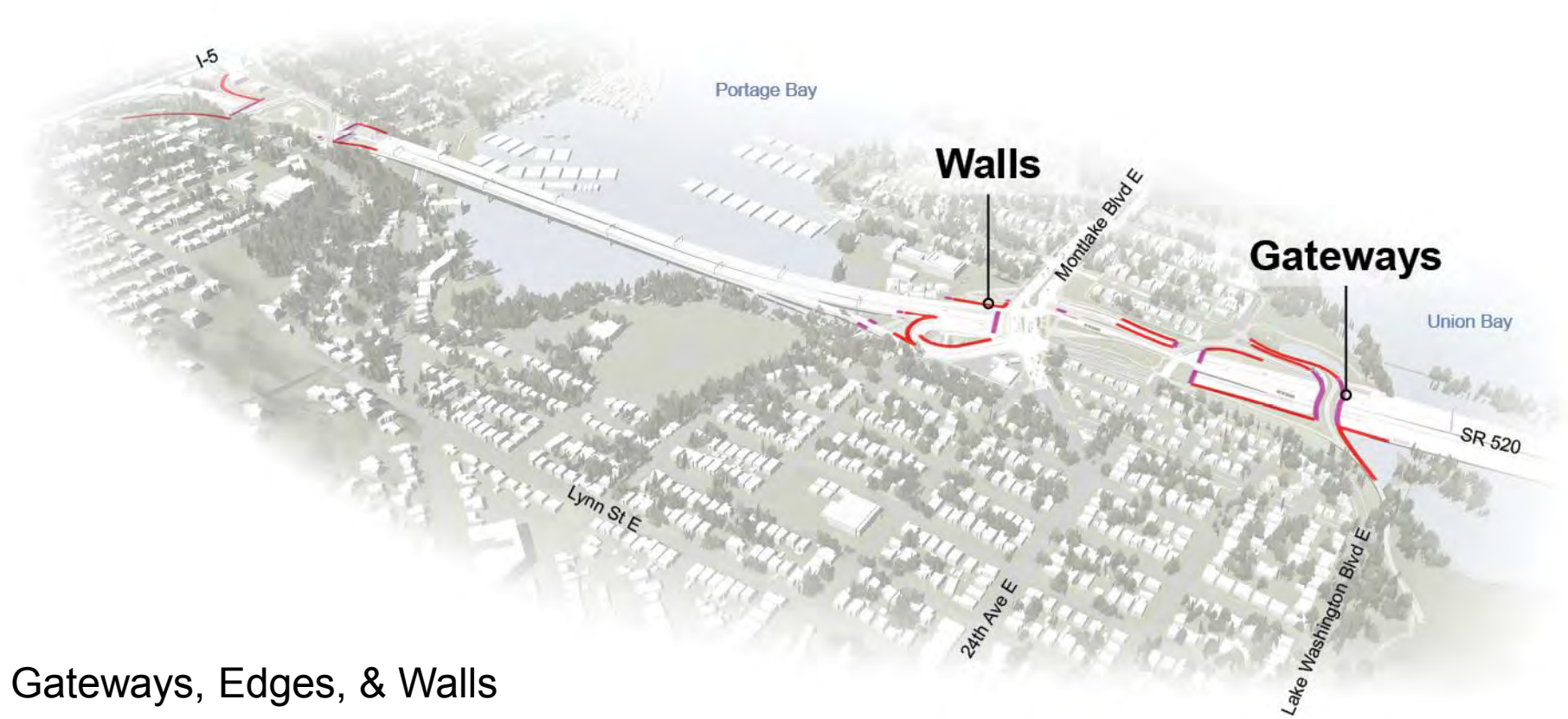
Areas of Focus

Architecture & Structure: Context



Areas of Focus

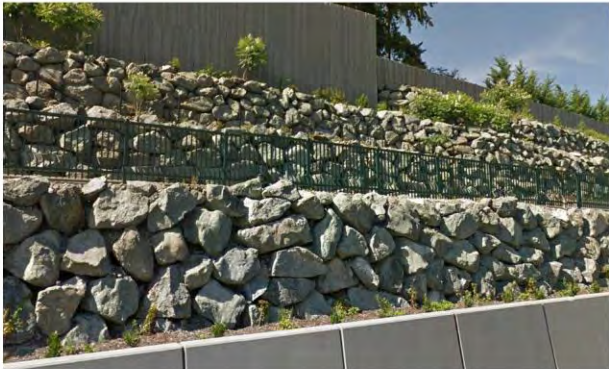
Elements of Continuity



Gateways, Edges, & Walls

Areas of Focus

Wall & Edges: Context



Areas of Focus

Elements of Continuity



Outlooks

Areas of Focus

Outlooks: Context



Credit: HDR

Credit: HDR

Areas of Focus

Elements of Continuity



Lighting

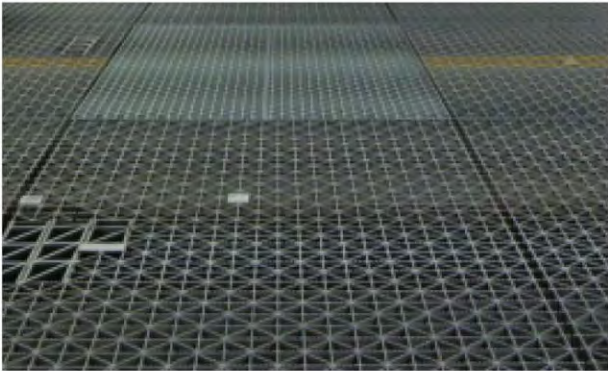
Areas of Focus

Lighting: Context



Areas of Focus

Materials: Context



Areas of Focus

Elements of Distinction



Areas of Focus

Elements of Distinction



Neighborhood Open Space

Areas of Focus

Elements of Distinction



Urban Trailhead/ Mixing Zone

Areas of Focus

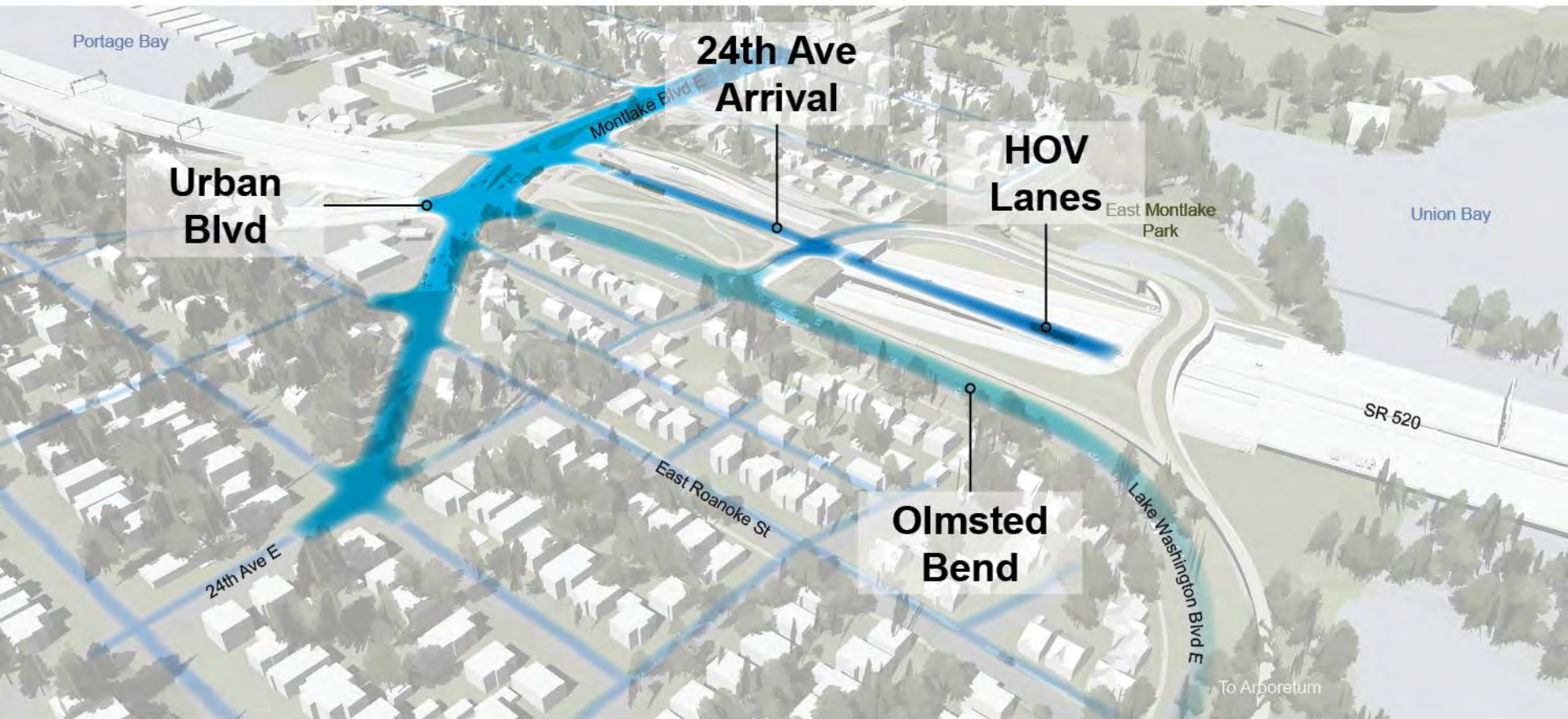
Elements of Distinction



Landbridge

Areas of Focus

Elements of Distinction



City Streets

Areas of Focus

Elements of Distinction



Interfaces and Transitions

Areas of Focus

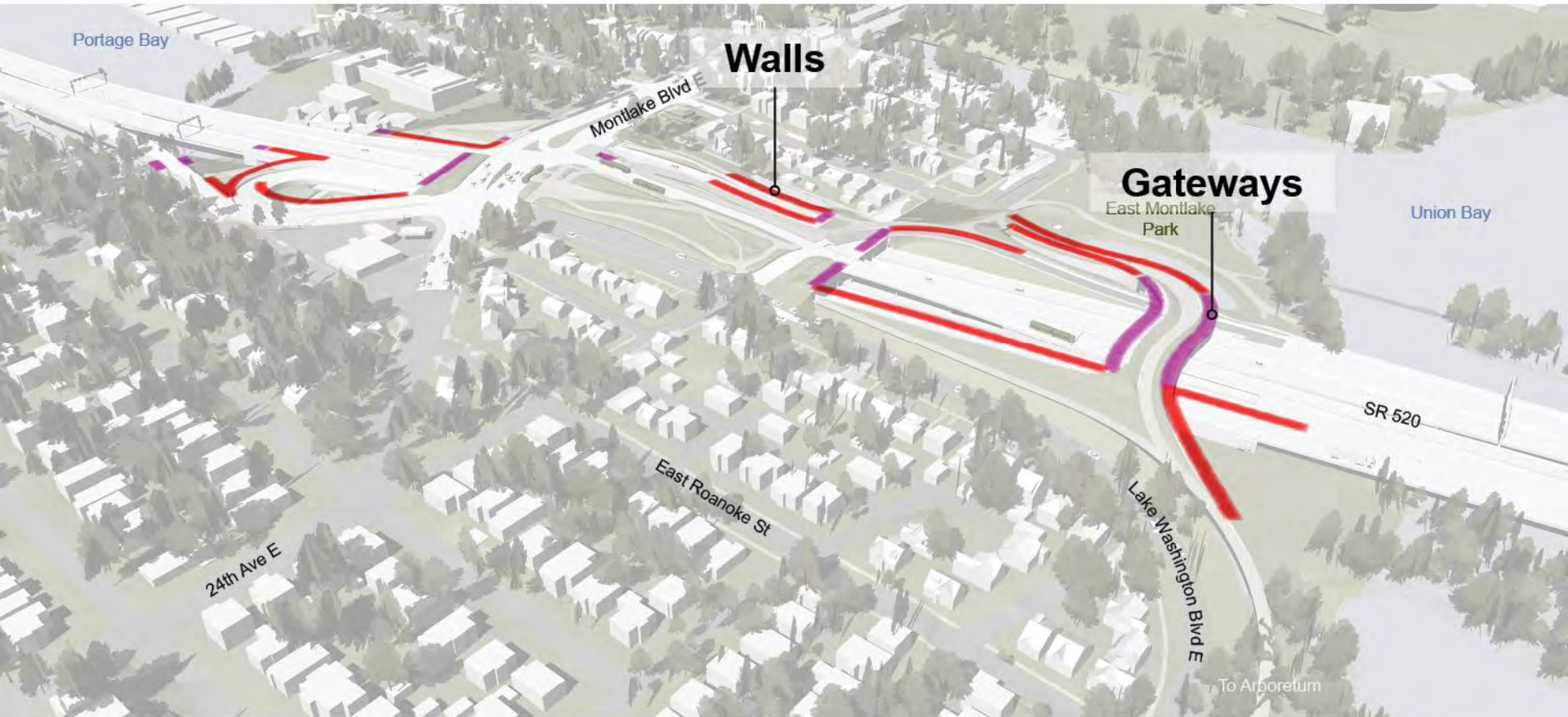
Elements of Distinction



Integrated Connections

Areas of Focus

Elements of Distinction



Gateways, Edges, & Walls

Areas of Focus

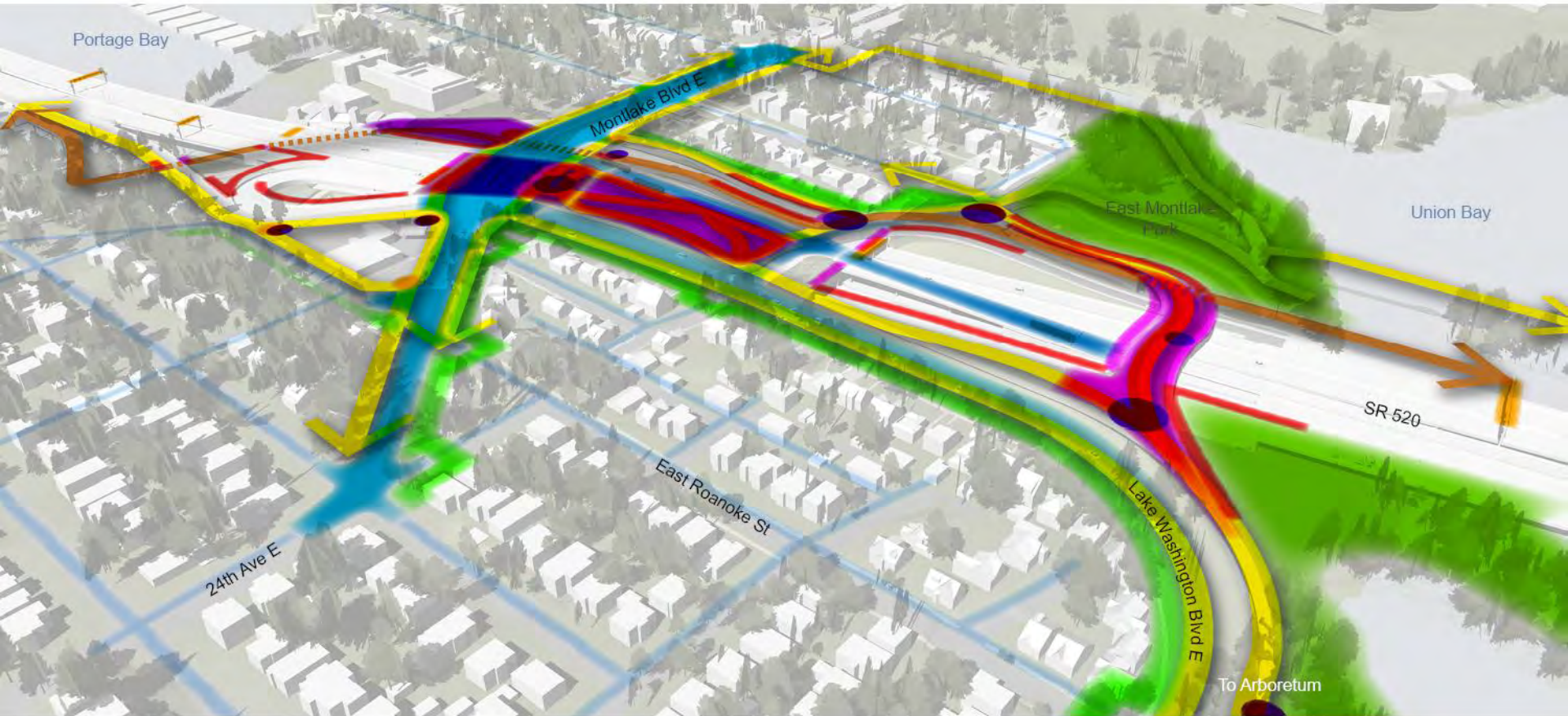
Elements of Distinction



Wayfinding and Interpretive Signage

Areas of Focus

Elements of Distinction



Placemaking

Areas of Focus

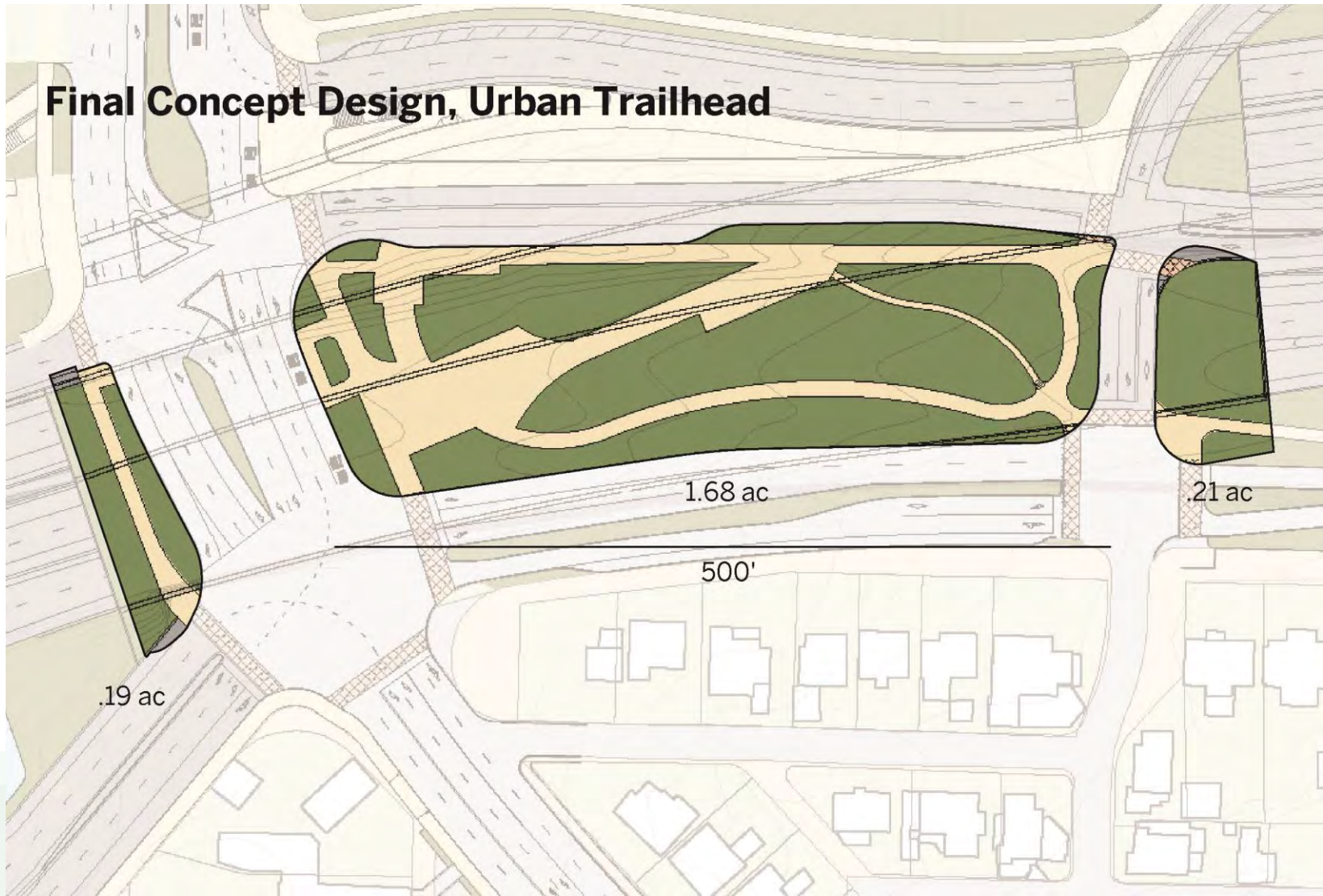
Initial Observations

Open Space

Gateways

Outlooks

Open Space Program



Elements of Distinction

Open Space Program

ACTIVE RECREATION



Montlake Playfield, Seattle



Elements of Distinction

Open Space Program

FOCAL POINT



Trevi Fountain, Rome



Program and Size:

.4 ac
Fountain
Plaza

.19 ac

1.68 ac

.21 ac

500'

Elements of Distinction

Open Space Program

MARKET



Piazza Navona, Rome



Elements of Distinction

Open Space Program

GATHERING SPACE



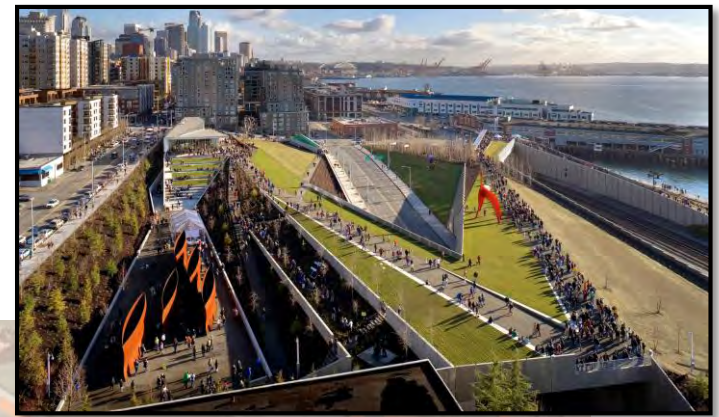
Bryant Park, New York



Elements of Distinction

Open Space Program

TERRACED PROCESSION/AMPHITHEATER



Olympic Sculpture Park, Seattle



Program and Size:

9 ac

Land Bridge

Indoor/Outdoor Sculpture Museum

Walking Paths/Regional Path Connections

Views/Beach/Access to Waterfront

Elements of Distinction

Open Space Program

PASSIVE RECREATION

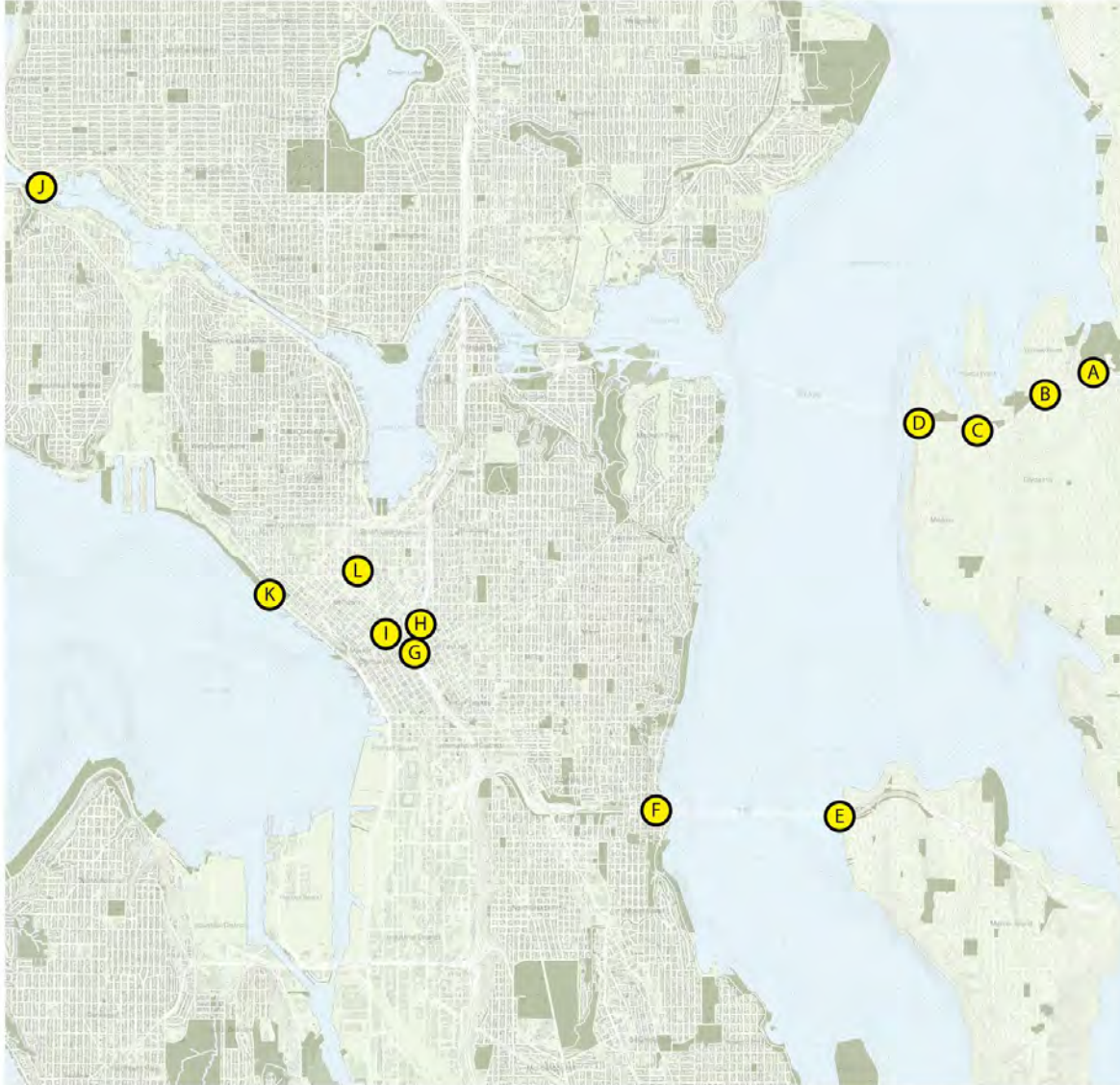


Cal Anderson Park, Seattle



Elements of Continuity

Gateways



REGIONAL GATEWAYS

SR- 520

- A. Bellevue Way Lid
- B. 92nd Interchange
- C. 84th Street
- D. Evergreen Point

I-90

- E. Mercer Island
- F. Mount Baker

I-5

- G. Freeway Park Underpass (Northbound)
- H. Freeway Park Underpass (Southbound)

Other Gateways

- I. Pike Street At Convention Center
- J. Ballard Locks
- K. Olympic Sculpture Park Underpass
- L. Future I-99 Tunnel

Elements of Continuity

Gateways

A 520 Bellevue Way Interchange

ADT 80,000



REGIONAL GATEWAYS

Elements of Continuity

Gateways

B 520 92nd Street Interchange

ADT 80,000



REGIONAL GATEWAYS

Elements of Continuity

Gateways

© 520 84th Street Interchange

ADT 80,000



REGIONAL GATEWAYS

Elements of Continuity

Gateways

D 520 Evergreen Point

ADT 80,000



Credit: HDR

REGIONAL GATEWAYS

Elements of Continuity

Gateways

E I-90 across Mercer Island

147,000 ADT



REGIONAL GATEWAYS

Elements of Continuity

Gateways

F I-90 at Mount Baker

147,000 ADT



REGIONAL GATEWAYS

Elements of Continuity

Gateways

G Freeway Park Underpass (Northbound)

ADT 203,000



REGIONAL GATEWAYS

Elements of Continuity

Gateways

H Freeway Park Underpass (Southbound)

ADT 203,000



REGIONAL GATEWAYS

Elements of Continuity

Gateways



Pike Street at WSCC

ADT 10,600



REGIONAL GATEWAYS

Elements of Continuity

Gateways

J Ballard Locks Ship Canal



REGIONAL GATEWAYS

Elements of Continuity

Gateways

K Olympic Sculpture Park Underpass

ADT 48,900



REGIONAL GATEWAYS

Elements of Continuity

Gateways

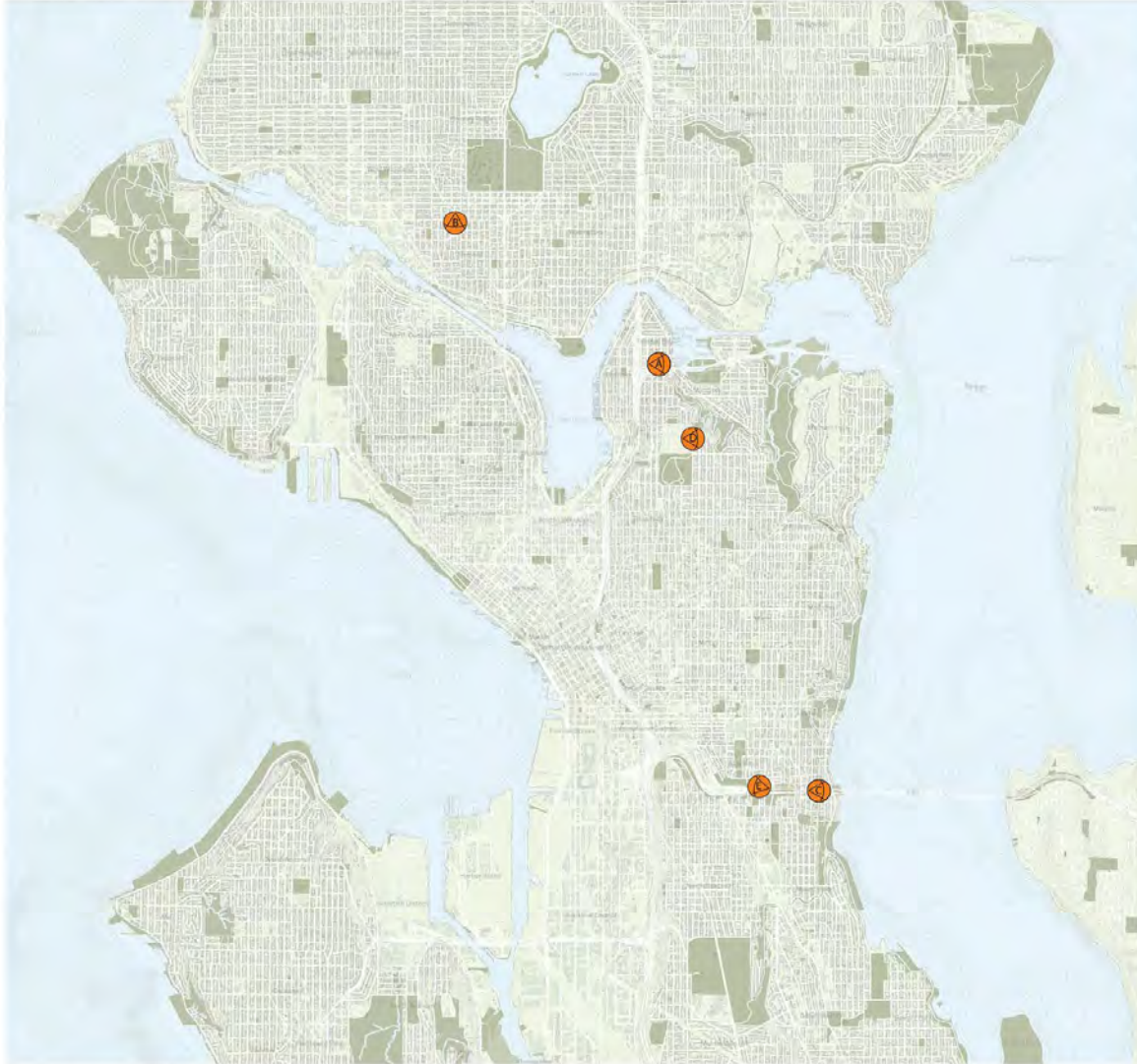
L Future I-99 Tunnel Southbound (Alaska Viaduct Replacement)

ADT 63,000



REGIONAL GATEWAYS

Outlooks



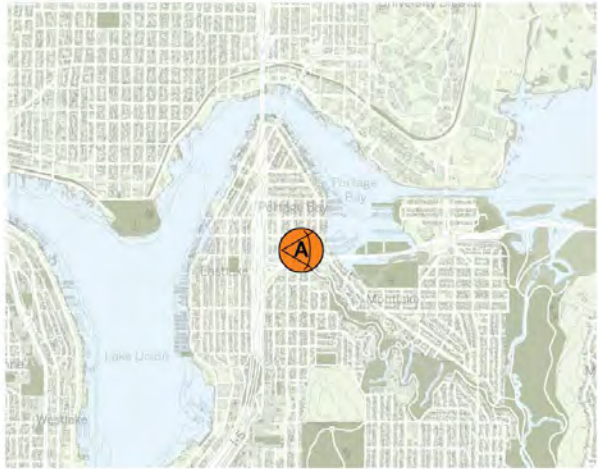
SEATTLE VIEWPOINTS & OVERLOOKS

- A Bagley Viewpoint
- B Fremont Peak Park
- C East Portal Viewpoint
- D Boren Park
- E Mt Baker Ridge Viewpoint

Elements of Distinction

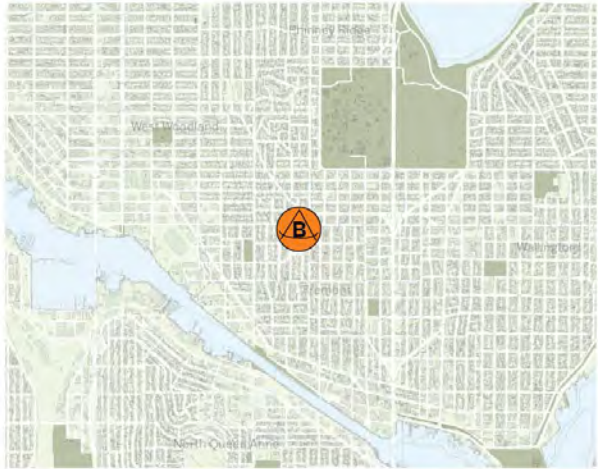
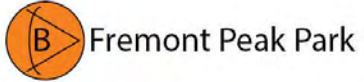
Outlooks

 Bagley Viewpoint




Elements of Distinction

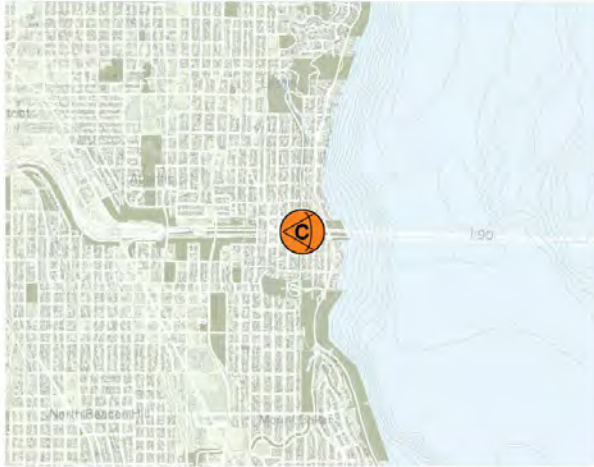
Outlooks



Elements of Distinction

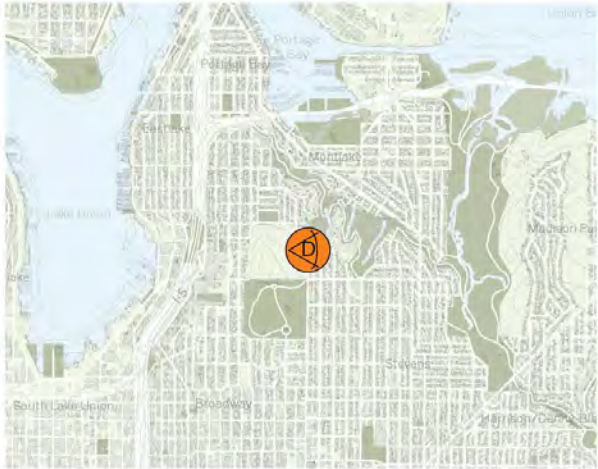
Outlooks

 East Portal Viewpoint



Elements of Distinction

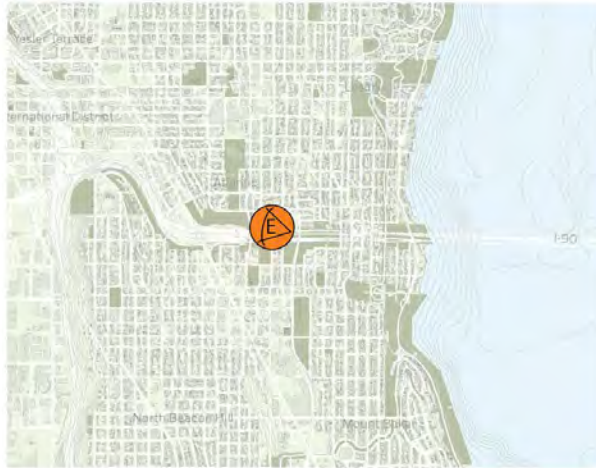
Outlooks



Elements of Distinction

Outlooks

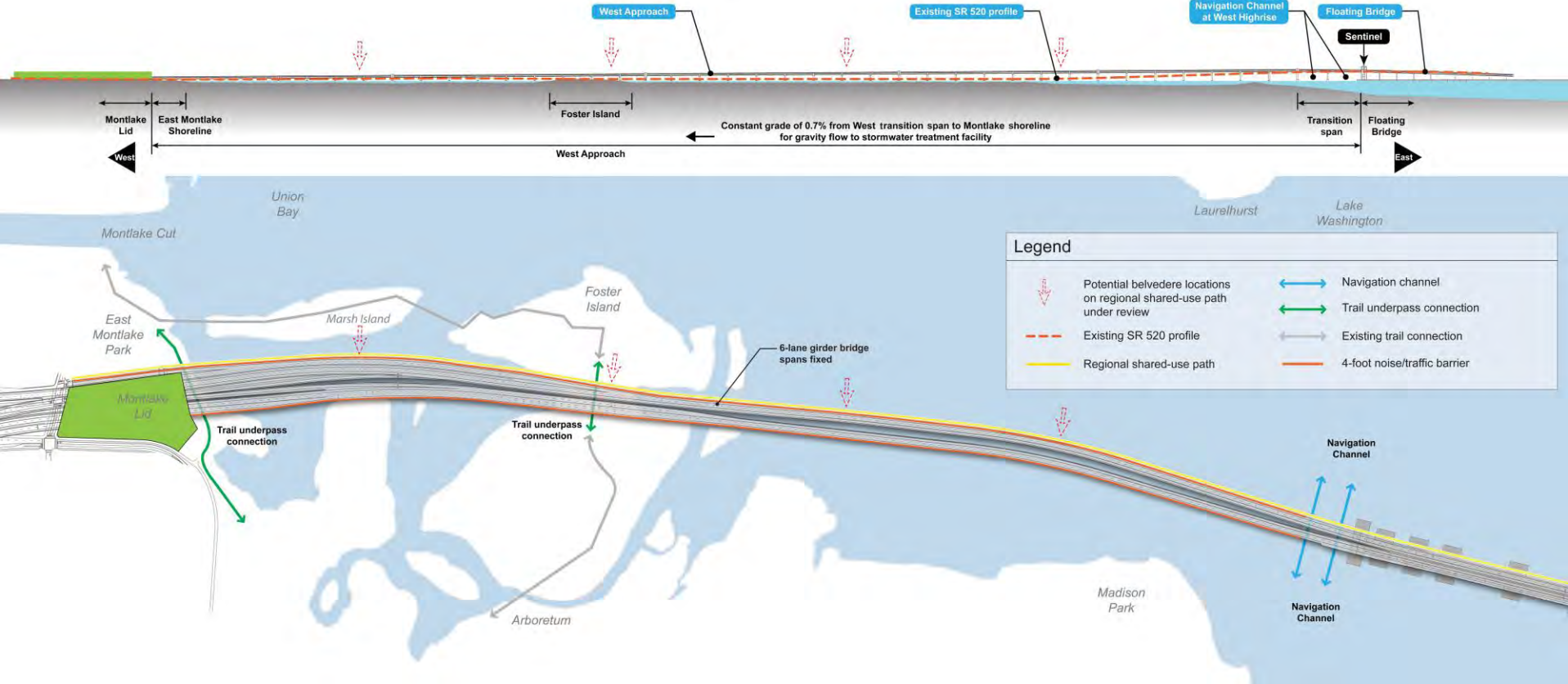
 Mt Baker Ridge Viewpoint



West Approach Bridge



West Approach Bridge



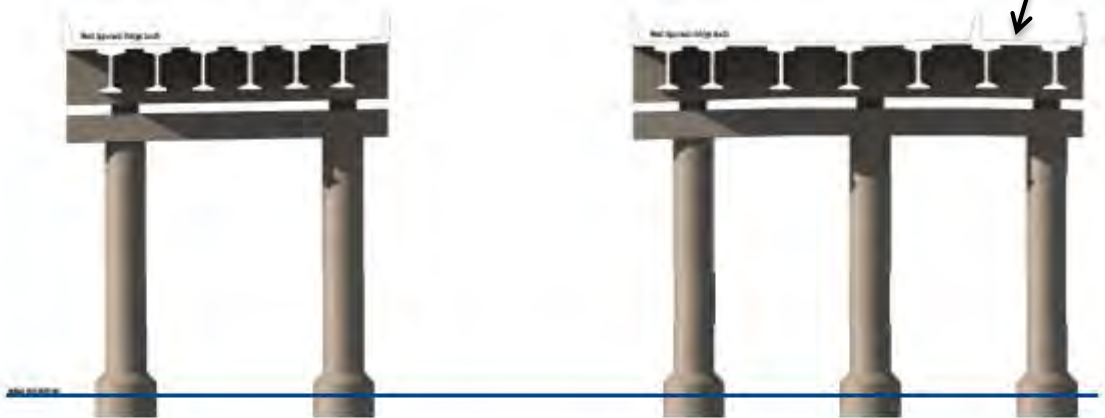
West Approach Bridge



West Approach Bridge

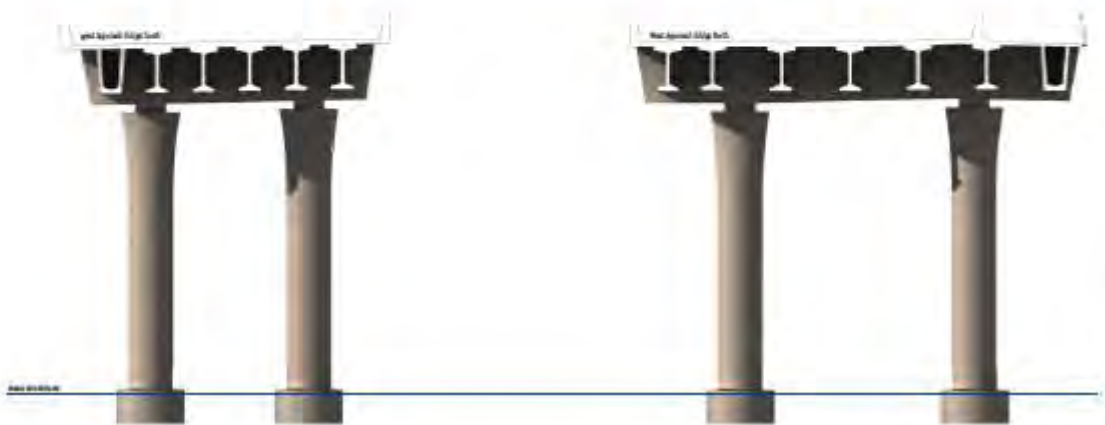
ISOLATION BEAM / NO CROSS BEAM STUDY

Baseline



Regional Shared Use Path

Concept Design



WABS
West Approach Bridge South

WABN
West Approach Bridge North

West Approach Bridge



West Approach Bridge South (WABS)

BASE ISOLATION



West Approach Bridge South (WABS)

NO BASE ISOLATION



West Approach Bridge South (WABS)

CATCH BASIN BASELINE



West Approach Bridge South (WABS)

CATCH BASIN W/ COVERED DRAIN AT SIDE



West Approach Bridge South (WABS)

NO BASE ISOLATION; CATCH BASIN W/ COVERED DRAIN AT SIDE



Elements of Continuity

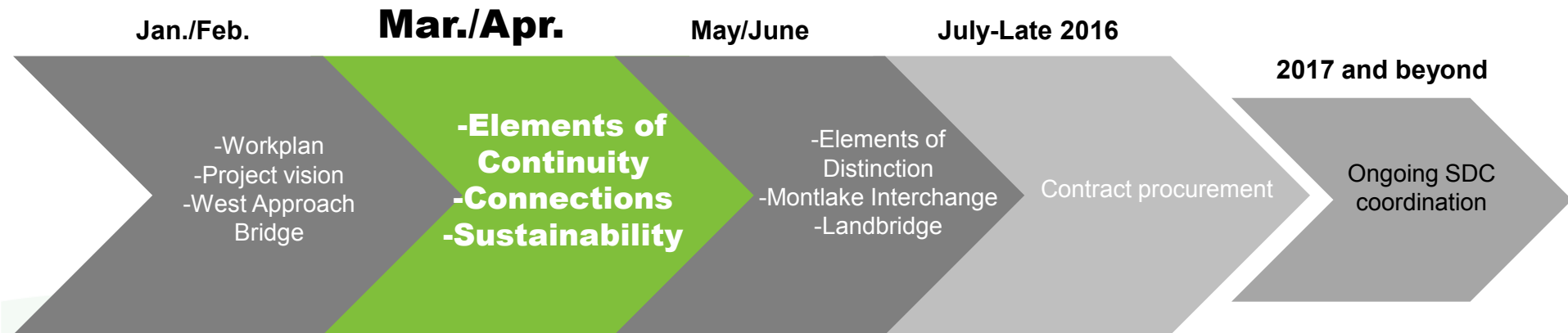
2nd Commission Meeting: April 7

Specific SDC comments:

Environment

Gateway Experience

Connectivity and Wayfinding



SDC Work Plan

Elements of Distinction

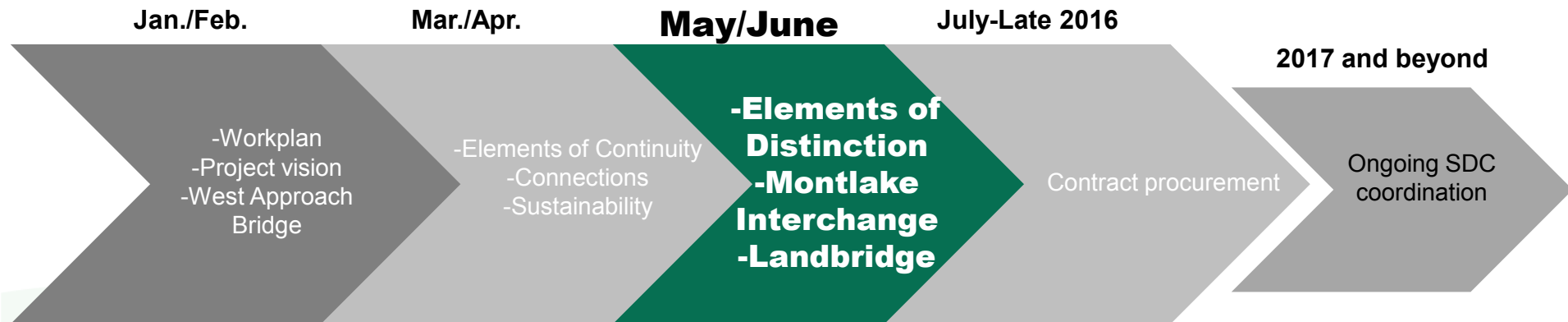
3rd Commission Meeting: June 2

Specific SDC comments:

Montlake Interchange

- Open Space Programming

Landbridge



SDC Work Plan

Contract Procurement

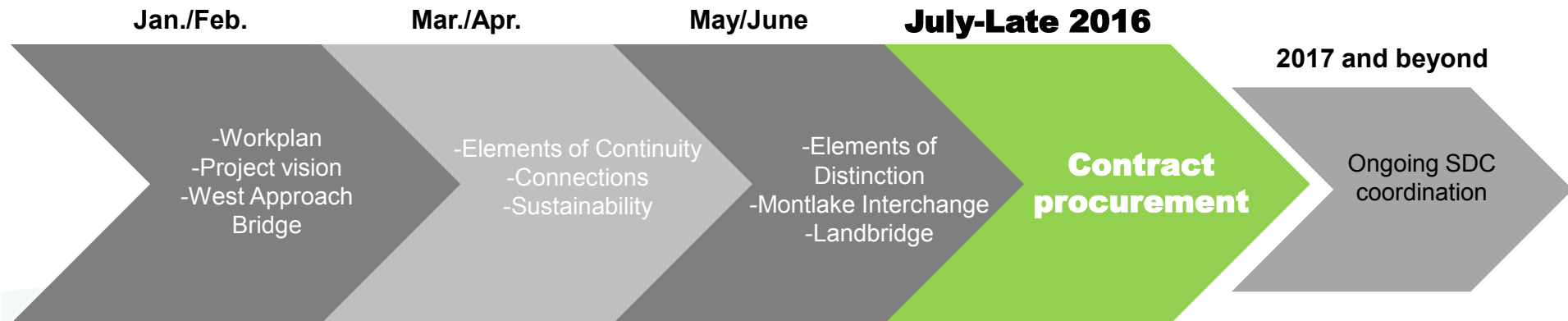
Urban Design Criteria

Scale and Detail

Deliberate and Strategic Priorities

- Practical Solutions

Prescriptive vs. Flexible



SDC Work Plan

Elements of Distinction

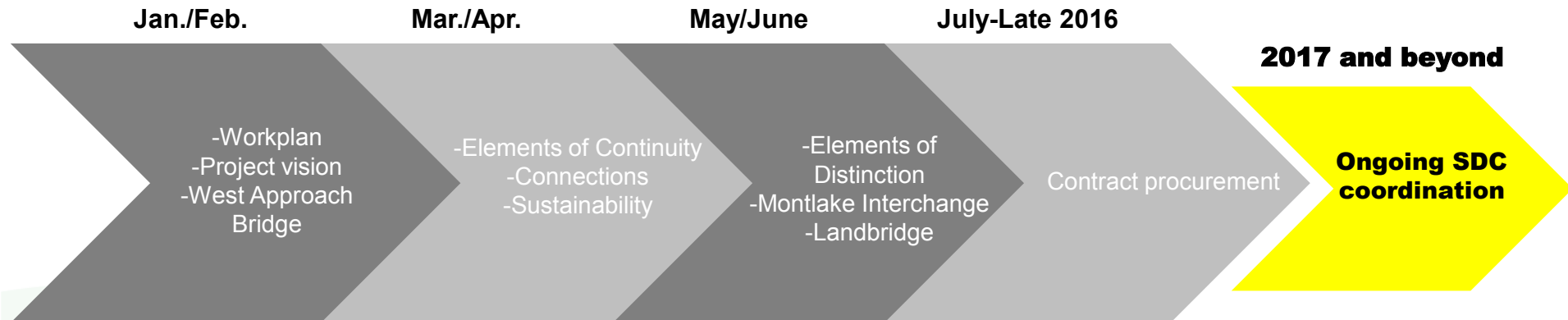
Future

Specific SDC comments:

Montlake Boulevard

Portage Bay

10th and Delmar



SDC Discussion



For questions and comments on the SR 520 program contact us

wsdot.wa.gov/Projects/SR520Bridge

SR520Bridge@wsdot.wa.gov

SR 520 Bridge Replacement and HOV Program
999 3rd Avenue, Suite 2200
Seattle, WA 98104