



Combined I-205 Freeway Widening and Abernethy Bridge Project

Cost to Complete Report
February 21, 2018

Presenters:

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Agenda

Project overview

Project cost

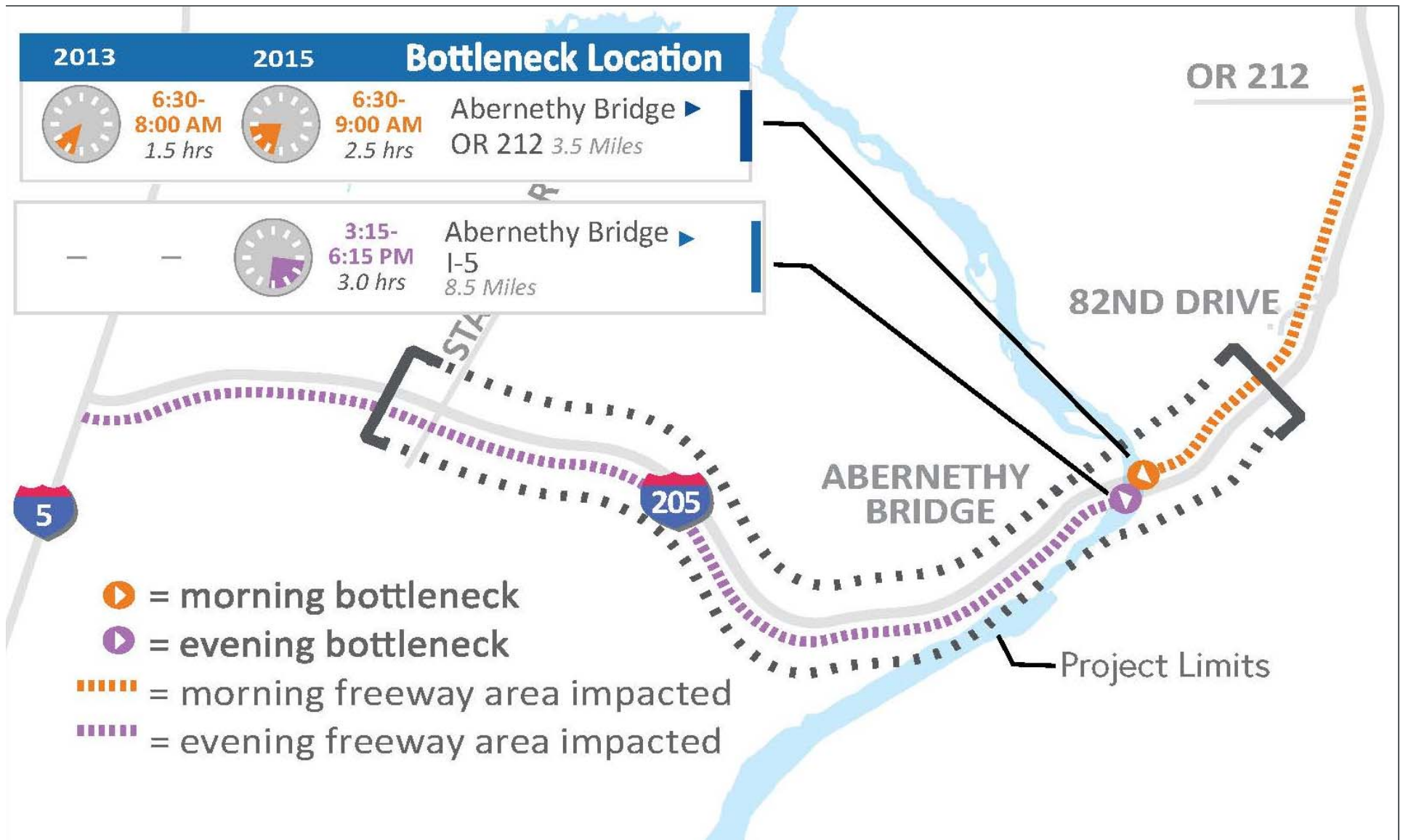
Design refinements

Delivery method

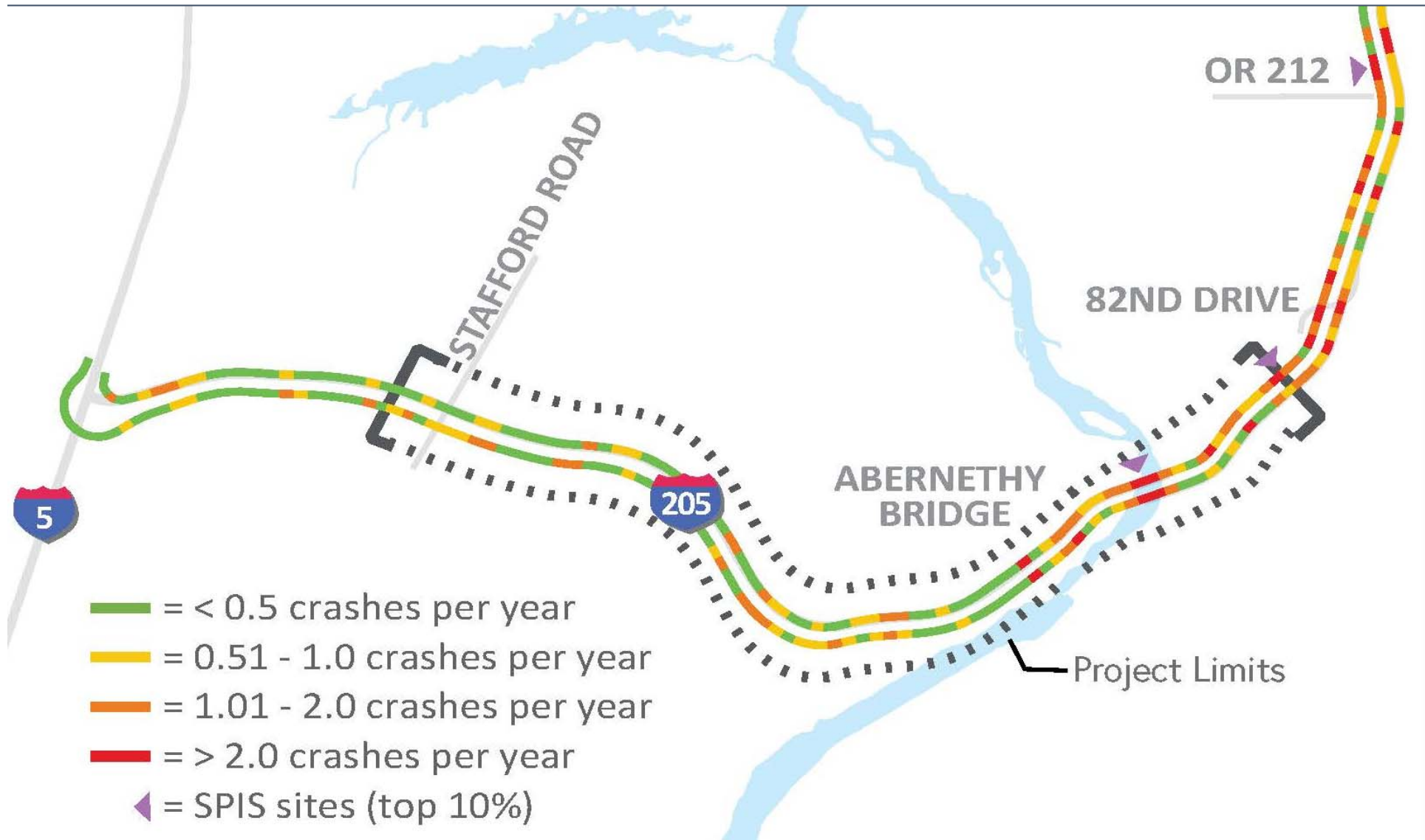
Funding needs



Project Overview: Operational Needs



Project Overview: Safety Needs



Project Overview: Operational, Safety, and Seismic Resiliency Improvements

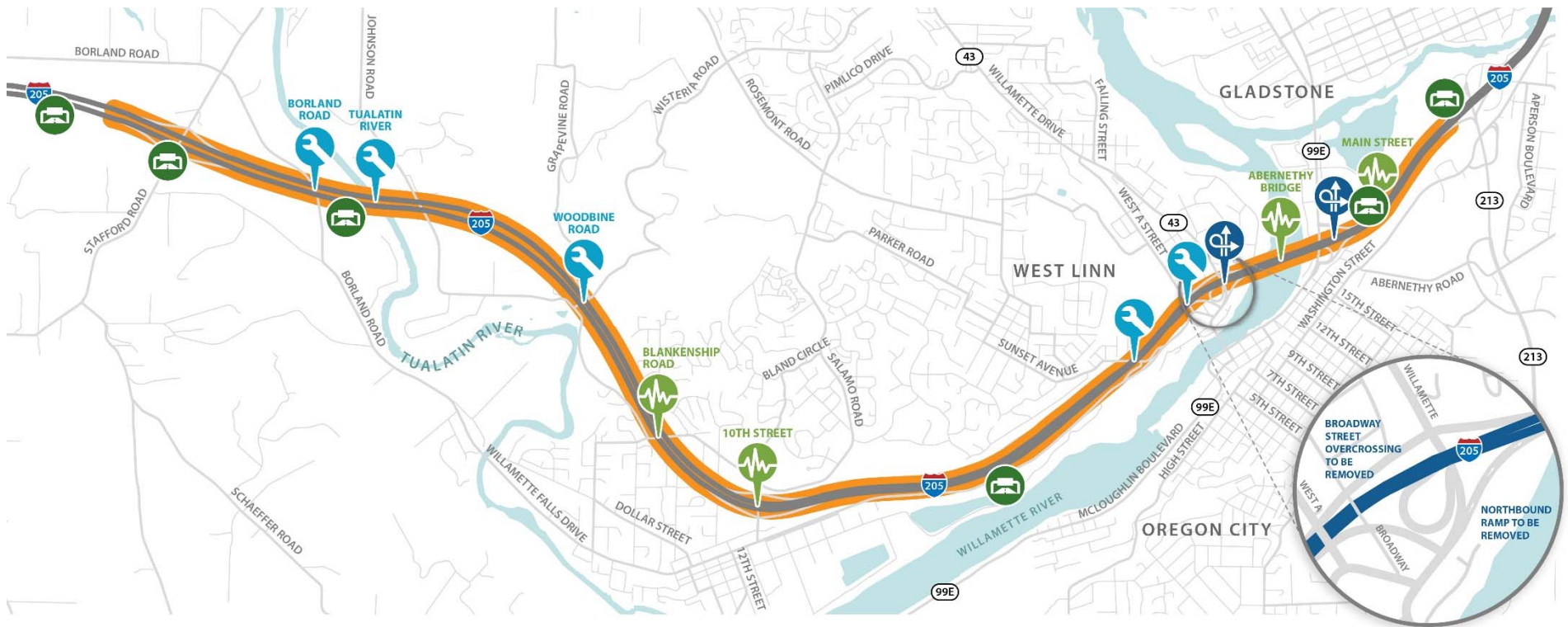
PRIORITIZED BOTTLENECK LOCATIONS

- 1: OR 43 entrance ramp modification northbound third lane and auxiliary lane
- 2: Northbound auxiliary lane from OR 99E entrance to OR 213 exit ramps
- 3: Southbound third lane and auxiliary lane from OR 99E entrance to OR 43 exit ramps
- 4a: Northbound and southbound third lane from 10th Street to OR 43.
- 4b: Northbound and southbound third lane from Stafford Road to 10th Street

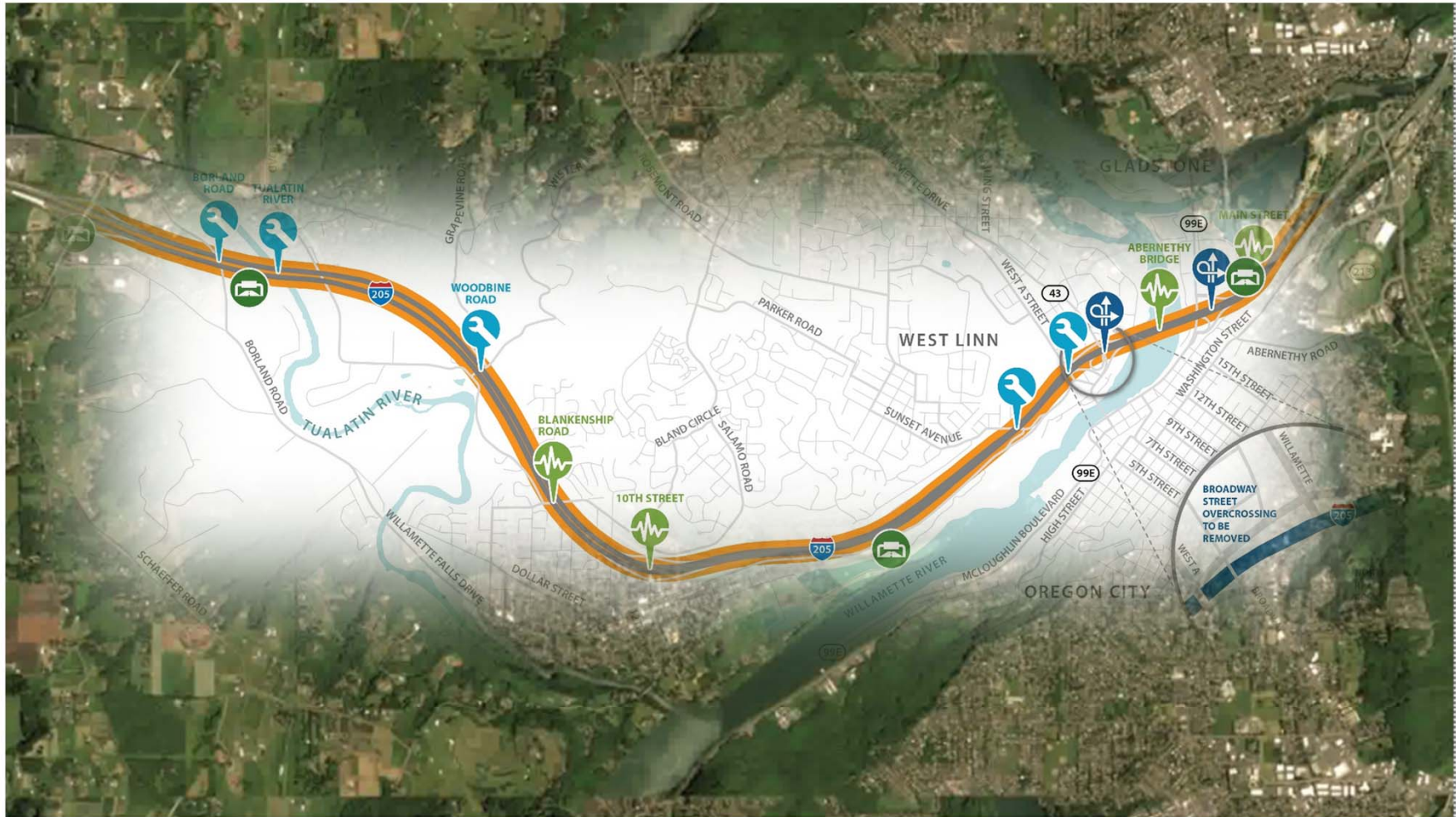


Project Overview: Design Philosophy

- Rightsizing project footprint
- Appropriately phasing improvements
- Minimizing right of way and environmental impacts
- Maintaining traffic mobility during construction
- Not precluding future improvements



Project Overview: Flythrough Animation



Updated Project Cost = \$499.6M

Completes all construction by January, 2025

Cost Components
Prelim. Eng. = \$45.0M
ROW Acquisition = \$1.7M
Utility Relocation = \$2.4M
Construction = \$450.5M*
Total Cost = \$499.6M**

Notes:

* Construction costs include a 0-20% construction variability contingency plus a 15% unknowns contingency

** Total cost is for the year of construction (i.e., includes escalation to the midpoint of each construction package)



Many Project Issues Remaining to be Resolved

CTC Report based on a 15% design level

①

Abernethy
Bridge
Seismic
Retrofit

②

Rock Slope
Removal
Operation
and Traffic
Maintenance

③

Construction
Staging and
Contractor
Access

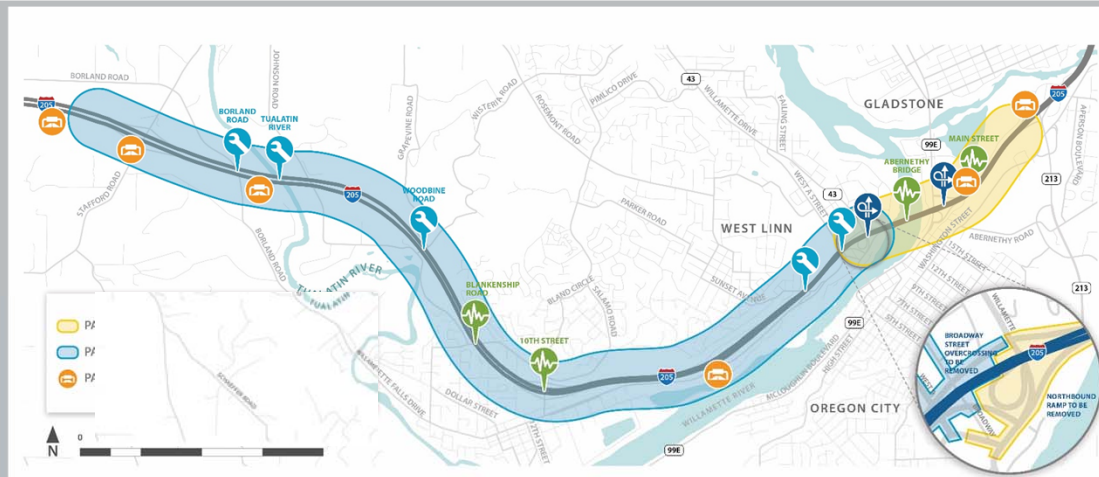


Project Phasing Plan

Evaluation process examined six feasible scenarios

1 Minimize initial project cost	2 Maximize construction ease, work zone safety, and traffic mobility	3 Achieve early operational and/or safety improvements	4 Enhance construction quality	5 Minimize construction duration	6 Maximize Oregon-based contractor use
++	+	++	++	++	+

Phasing Alternatives Evaluations Table
Most Negative (- -); Neutral = O; Most Positive (+ +)



Package	2019	2020	2021	2022	2023	2024
A			\$248M Construction			
B			\$197M Construction			
C		\$5M				



Project Delivery Method



Construction Package

Package A: Abernethy Br. + Interchanges + NB Auxiliary lane

Package B: I-205 Widening, with rock cut & all other bridges

Package C: ATM Improvements

Delivery Method

Design-Bid-Build
(Best Value Contracting)

Design-Bid-Build
(Best Value Contracting)

Traditional Design-Bid-Build

Project Financing

CTC Report Projected Cash Flow Assumptions

**Project runs out
of money**



ODOT / Consultant team cost to date (as of 1/31/18) = \$4.0 M



Thank you.