

Sound Transit Light Rail in Redmond

September 21, 2021

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Manager





Purpose

- Update Council on light rail projects in Redmond
 - Staff permitting team for Downtown Redmond Link Extension (DRLE)
 - Status two light rail projects & Redmond Technology Station Ped Bridge
 - Completed and upcoming construction for DRLE

DRLE Design Review and Permitting

Planning

- Jeff Churchill
- David Lee
- Cathy Beam
- Josh Mueller
- Peter Dane
- Micah Ross
- Carol Lewis
- Janise Goucher
- Jay Kelley

Public Works

- Patty Criddle
- Adnan Shabir
- Andrew Scales
- Bruce Newman
- Hidemi Tsuru
- Angie Venturato
- Emily Flanagan
- Lisa Rigg
- Jeff Thompson
- Cindy Wellborn

Parks

- Jeff Aken
- Chris Weber

Fire

- Gary Smith
- Chris Hawkins

Project Overview

- 2006 – Environmental review began from Seattle to Downtown Redmond
- 2016 – Overlake construction began
- 2020 – Downtown construction began
- 2022 – Overlake civil construction ends
- 2023 – Overlake stations open
- 2024 – Downtown extension opens

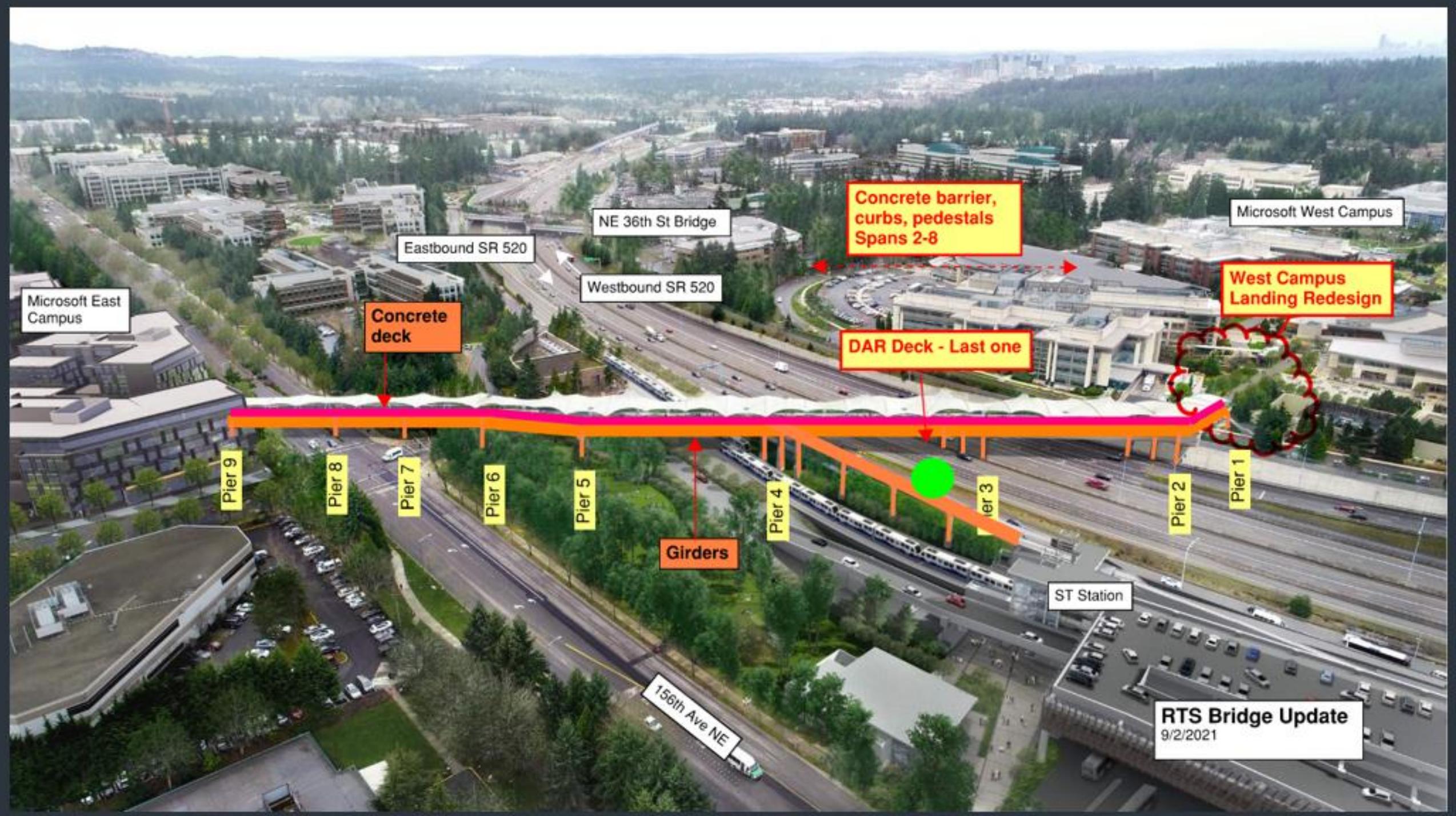


Redmond Technology Station Garage Reconstruction



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Columns for new
ramp structure
(replacing about
 $\frac{1}{4}$ of structure)



Microsoft East Campus

Eastbound SR 520

NE 36th St Bridge

Westbound SR 520

Microsoft West Campus

Concrete deck

Concrete barrier, curbs, pedestals Spans 2-8

West Campus Landing Redesign

DAR Deck - Last one

Pier 9

Pier 8

Pier 7

Pier 6

Pier 5

Pier 4

Pier 3

Pier 2

Pier 1

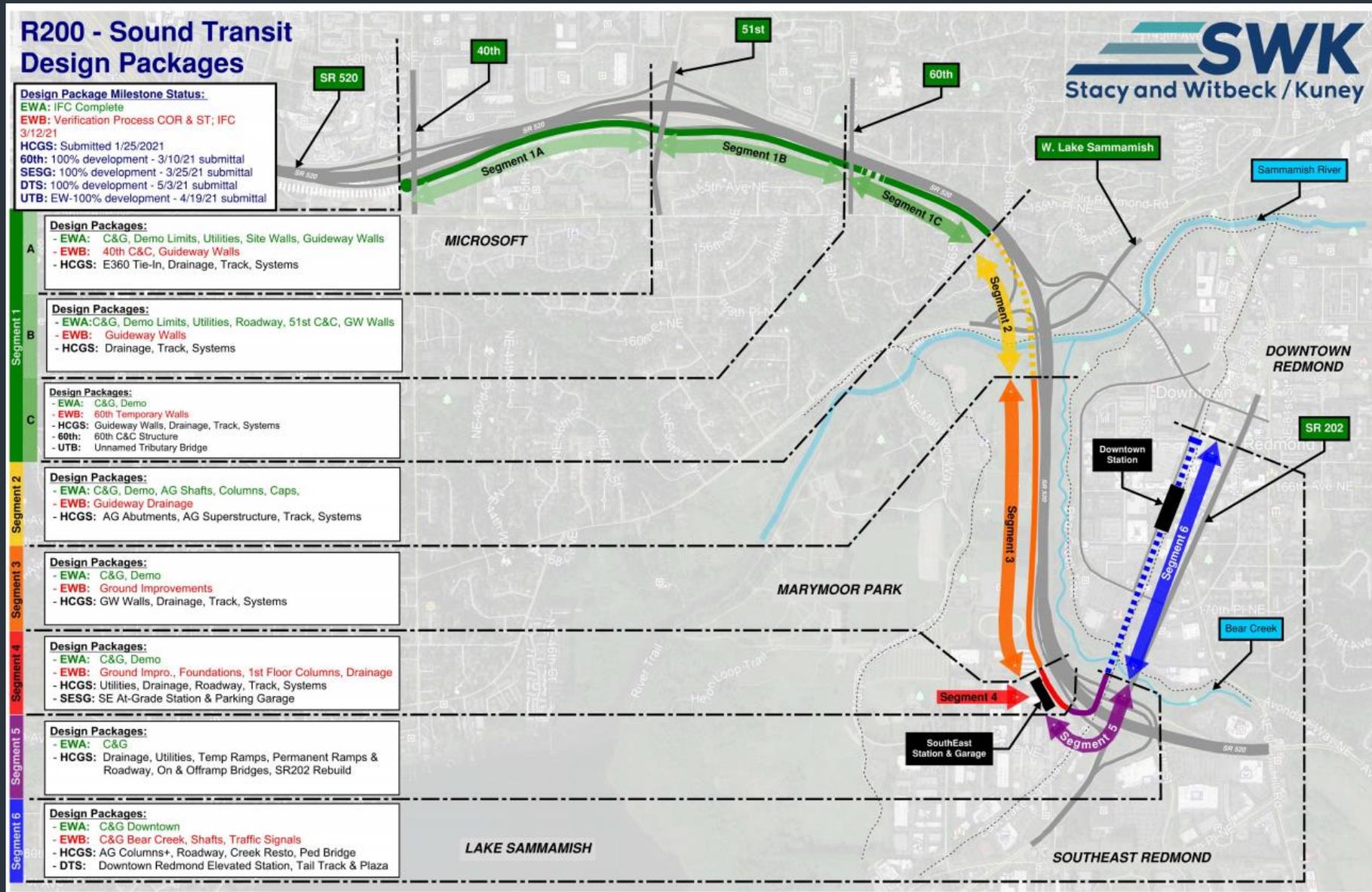
Girders

ST Station

156th Ave NE

RTS Bridge Update
9/2/2021

Aerial View Construction Segments for DRLE



40th Street Cut and Cover



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Traffic switched
over to north side of
40th

51st Street Cut and Cover



- Cut & Cover Phase 1 complete
- Drilled shafts for Phase 2 are complete
- Phase 2 open to traffic is Nov 2021

60th Street Cut and Cover Tunnel



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Excavation and soil
nail walls with
temporary signal to
right

Aerial Guideway at WLSP and 520

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Completing column caps to begin setting girders in November





SE Redmond Garage and EB 520 Off-Ramp



Garage shear walls and
columns to right of
temporary ramp

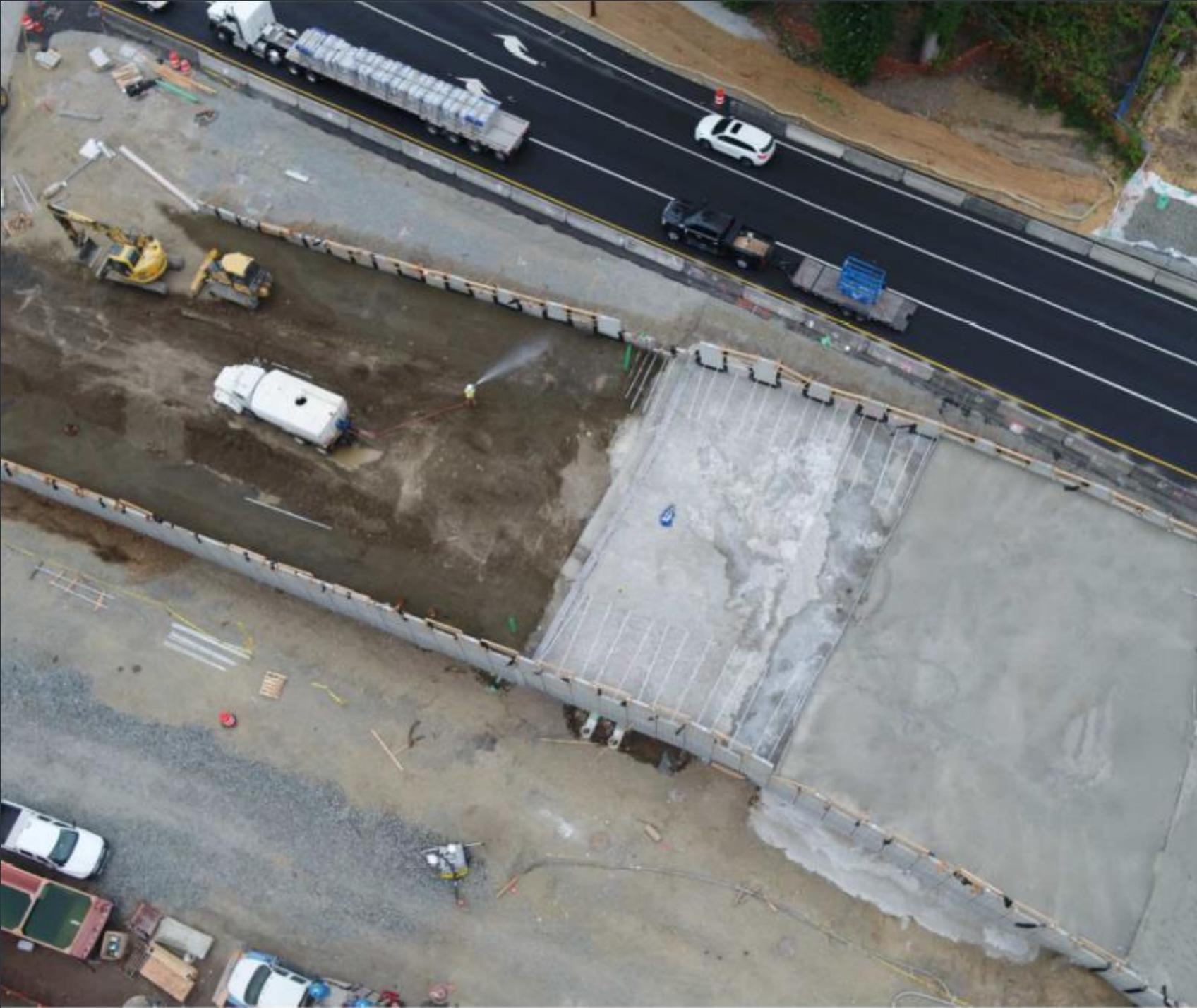


EB 520 Off-Ramp to SR 202



Temporary eastbound
ramp with new raised
ramp to the to left

Garage shear walls to
right



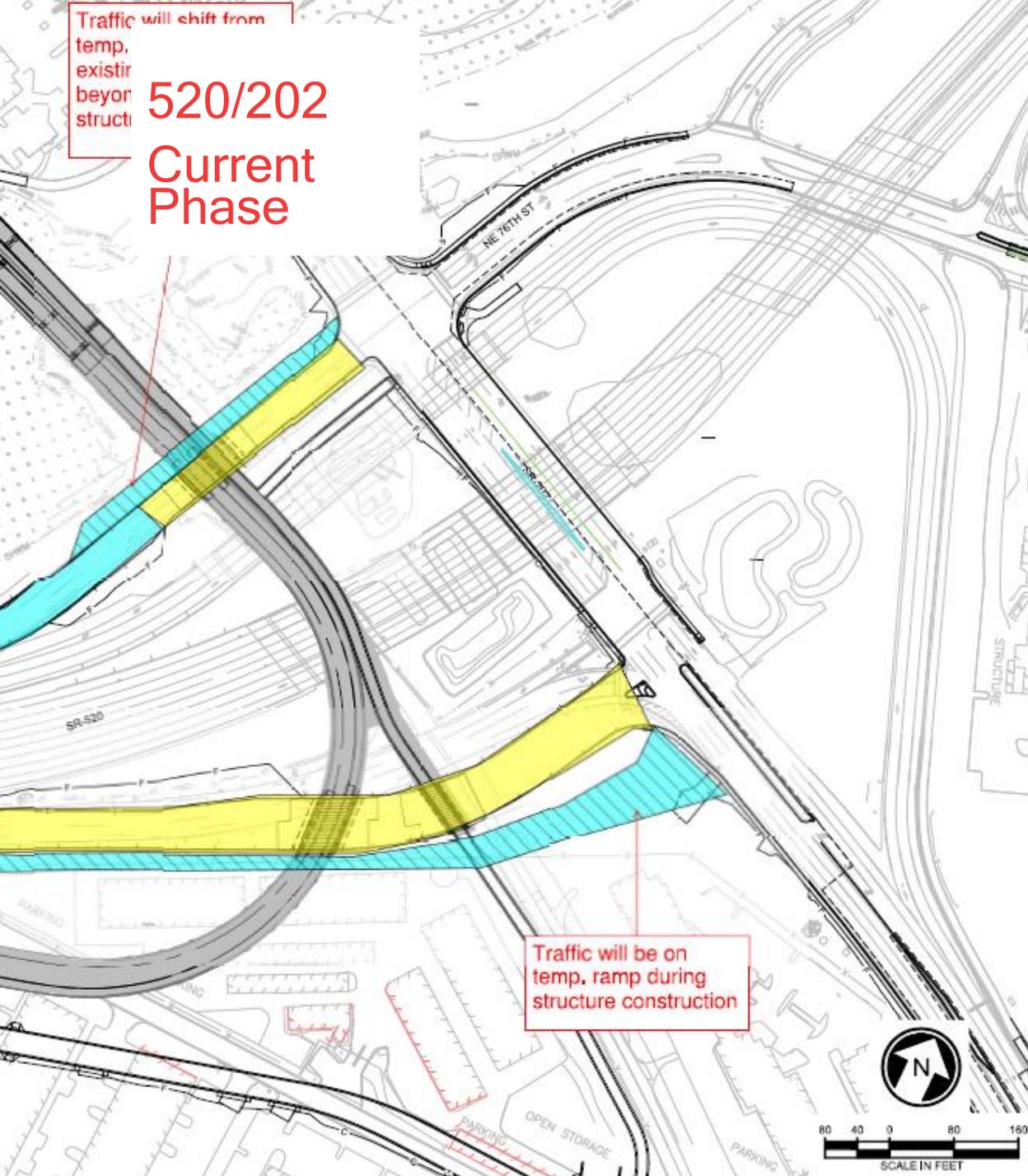
SR 520 off ramp near SR 202

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Mechanically Stabilized
Earth (MSE) walls under
construction for
permanent off-ramp

Traffic will shift from temp. existir beyon struct

520/202

Current Phase



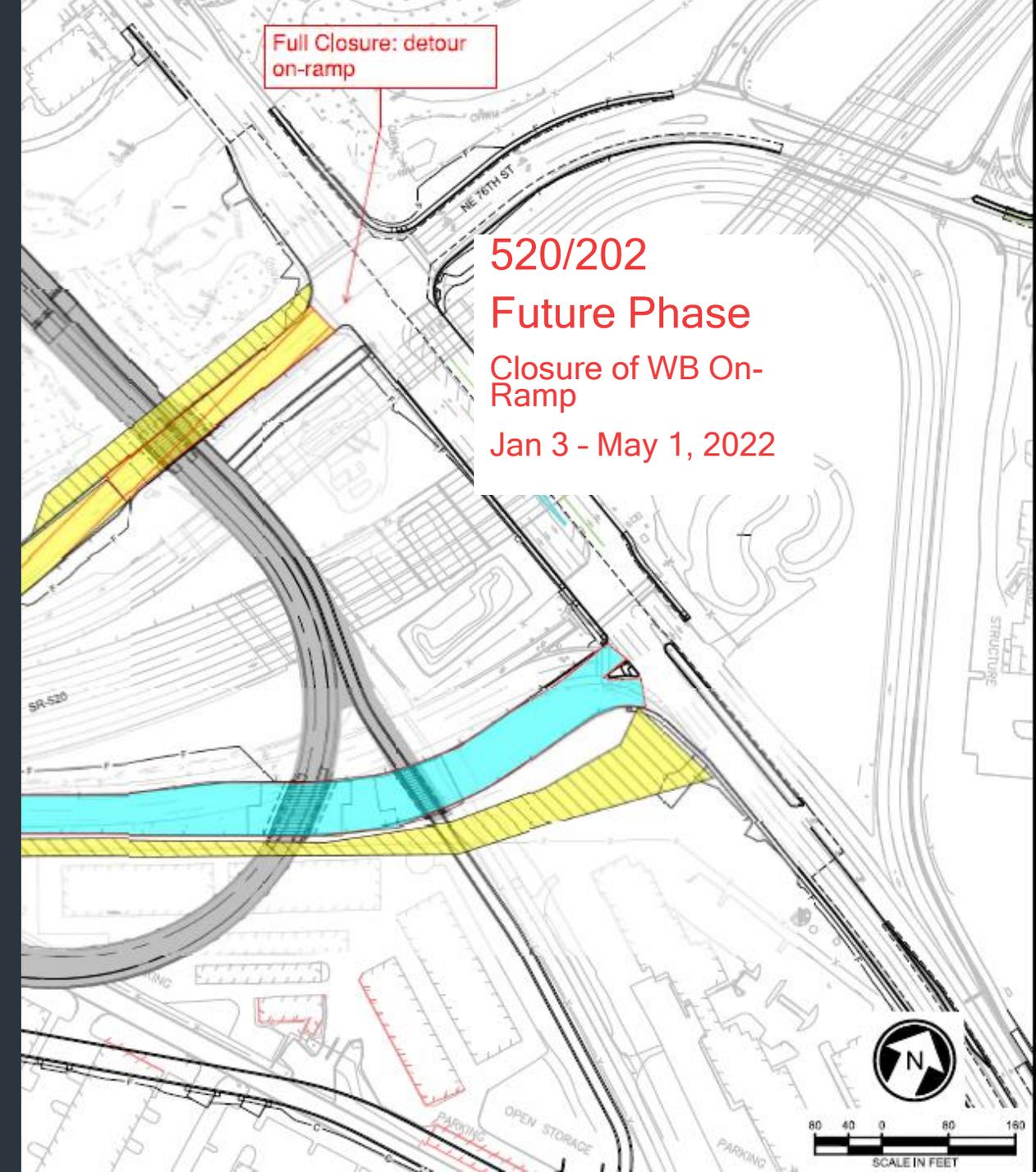
Full Closure: detour on-ramp

520/202

Future Phase

Closure of WB On-Ramp

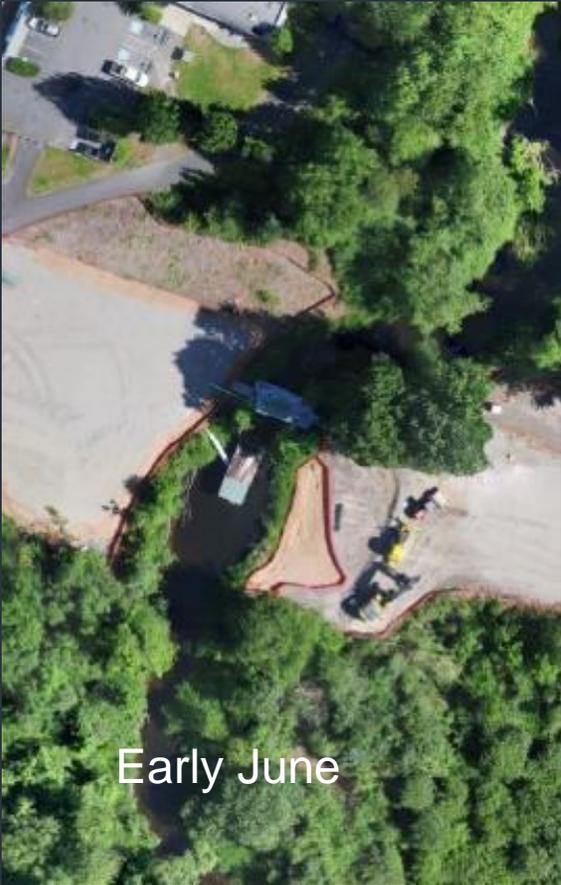
Jan 3 - May 1, 2022



Bear Creek West of SR 520

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May 2021 before
clearing and
in-water work





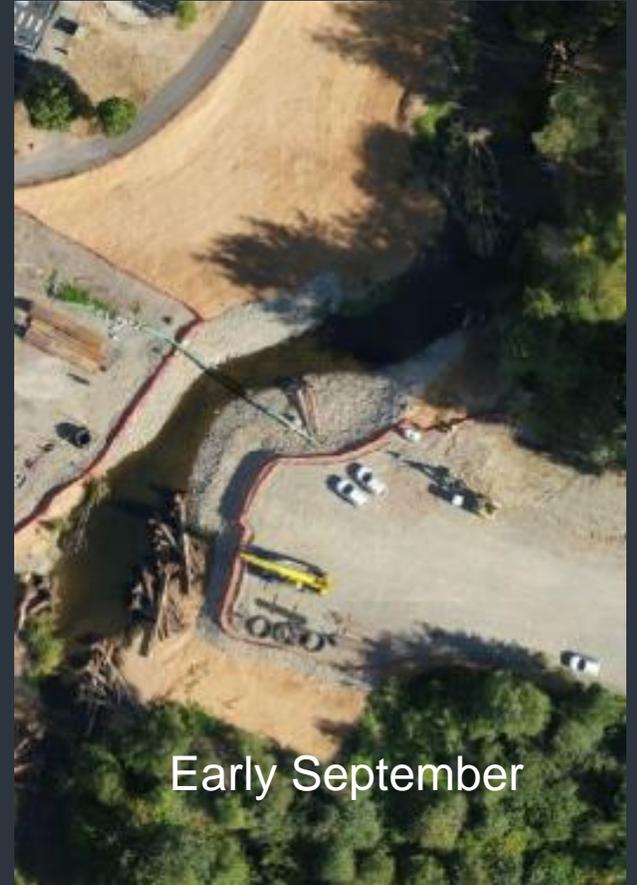
Early June



Late July

Bear Creek

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July/August 2021
Fish Window



Early September

DRLE Bear Creek



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Bear creek is cleaned up
and stabilized for the winter

Downtown Station Area



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Elevated
station at
166th

Upcoming Construction for DRLE



- **Fall 2021**

- September – Start south half of 40th cut and cover structure
- October/November – Start girder construction in Downtown
- November – Start setting pre-cast girders for Aerial Structure over Sammamish River

- **Winter 2021/2022**

- December – Substantially complete 51st cut and cover
- December – Open eastbound SR 520 off ramp to SR 202
- December/January – Start deck work for Downtown Station
- January – Close the westbound SR 520 on-ramp at SR 202 (Redmond Way) for four months



Thank You



Any Questions?

