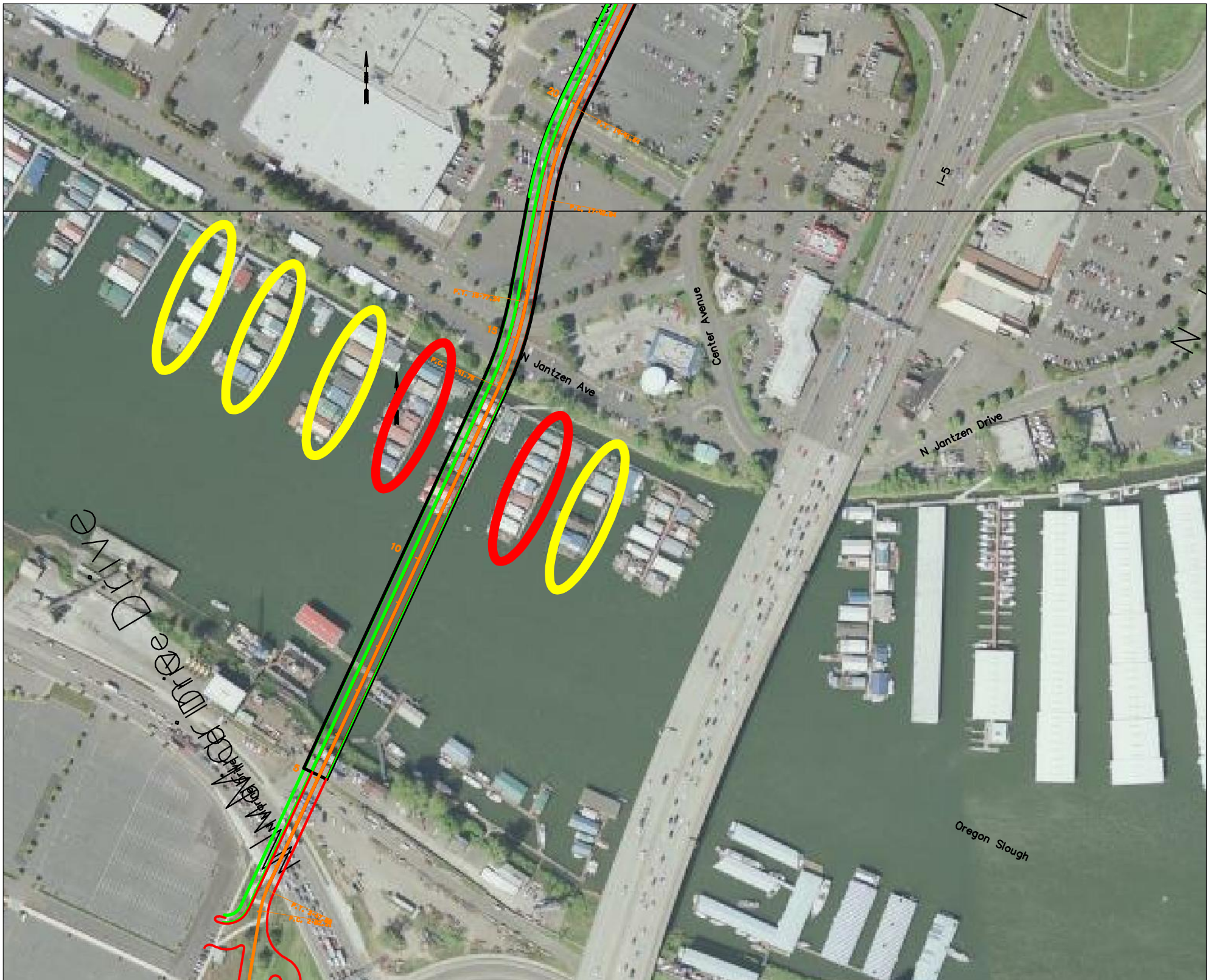


BRT with Full Bridge Replacement

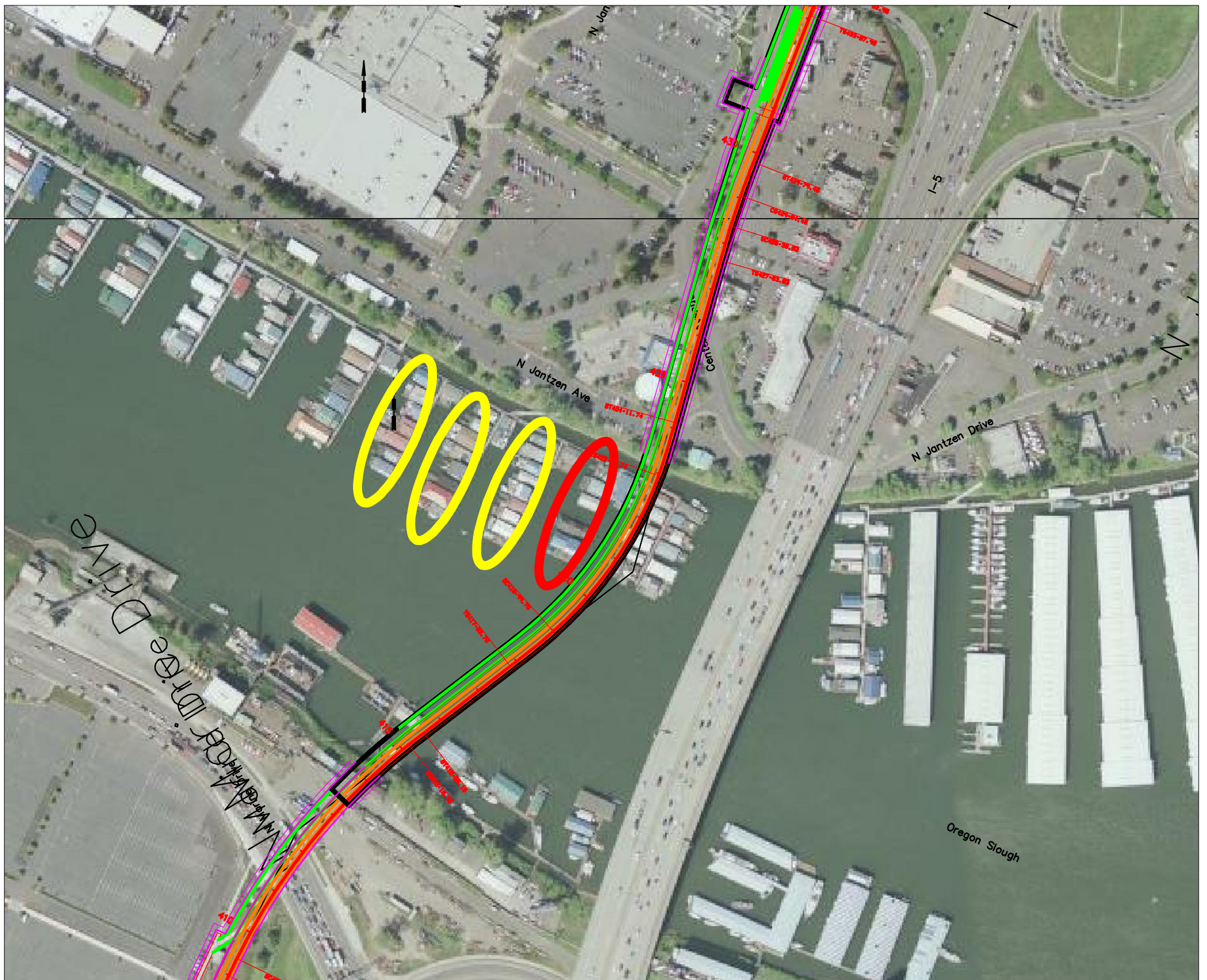


Replacement Bridge BRT Impacts and Mitigation Hayden Island Offset

- 14 BRT **severe** noise impacts - red circles
- 28 BRT noise impacts - yellow circles

- 8 to 12 foot noise walls for diesel buses. The noise walls would be able to mitigate all noise impacts.

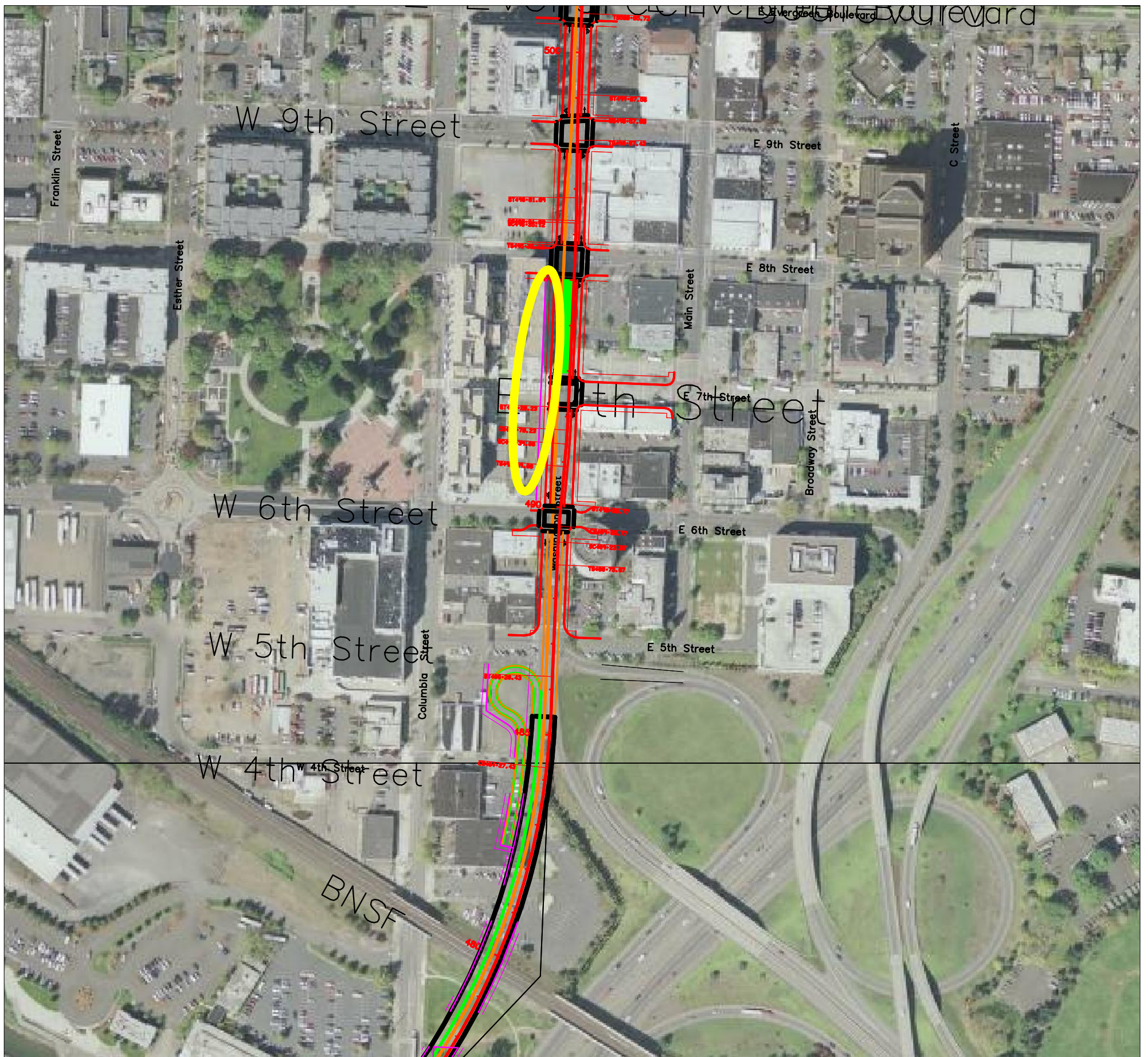
BRT with Full Bridge Replacement



Replacement Bridge BRT Impacts and Mitigation Hayden Island Adjacent

- 7 BRT **severe** noise impacts - red circles
 - 28 BRT noise impacts - yellow circles
-
- 8 to 12 foot noise walls for diesel buses

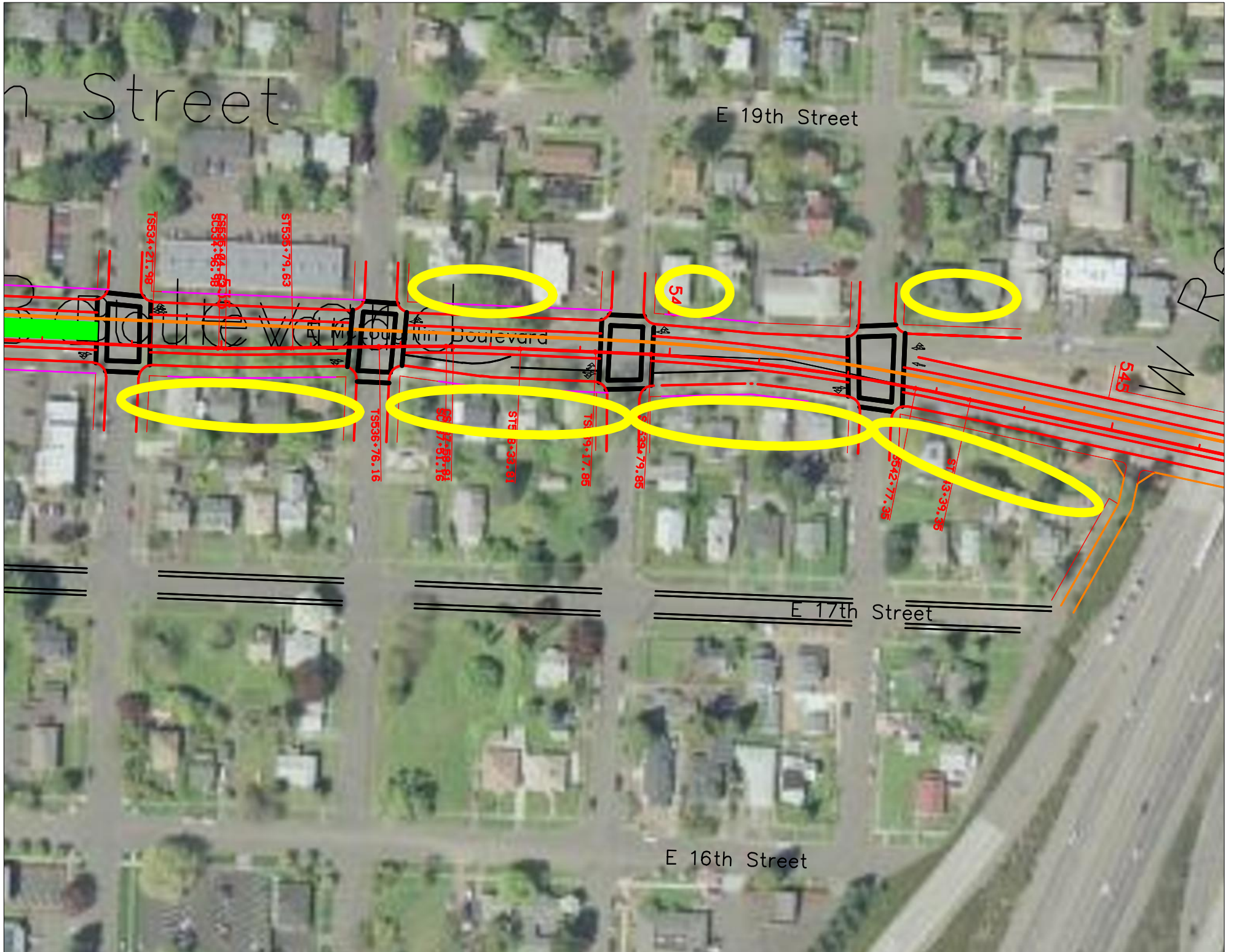
BRT with Full Bridge Replacement



BRT Impacts and Mitigation Washington Downtown

- 50 impacts along the apartment 3rd and 4th floor facing Washington
- None - noise levels in the units are within HUD standards.

BRT with Full Bridge Replacement



BRT Impacts and Mitigation McLoughlin Boulevard

- 22 noise impacts On McLoughlin
- Sound insulation to within HUD standards.

BRT with Full Bridge Replacement



BRT Impacts and Mitigation 16th Street Alignment

- 11 noise impacts Broadway - yellow circle
- 5 **server** noise impacts - red circle

- Mitigate using sound insulation program to within HUD standards.

Note, if the analysis is performed assuming I-5 noise mitigation, the impacts remain the same severity

BRT with Full Bridge Replacement



BRT Impacts and Mitigation I-5 Flyover

- 12 **severe** noise impacts along I-5 - red circles
- 3 noise impacts along I-5

Impacts due to flyover bus acceleration at 6% grade

- Sound walls on the structure - 8 to 12 feet.

Note: if the analysis is preformed with the I-5 noise mitigation considered, all 15 impacts are **server**

BRT with Full Bridge Replacement



BRT Impacts and Mitigation Broadway 2-way

- 10 **severe** noise impacts Broadway - red circles
 - 29 noise impacts along Broadway
-
- Mitigate using sound insulation program to within HUD standards.

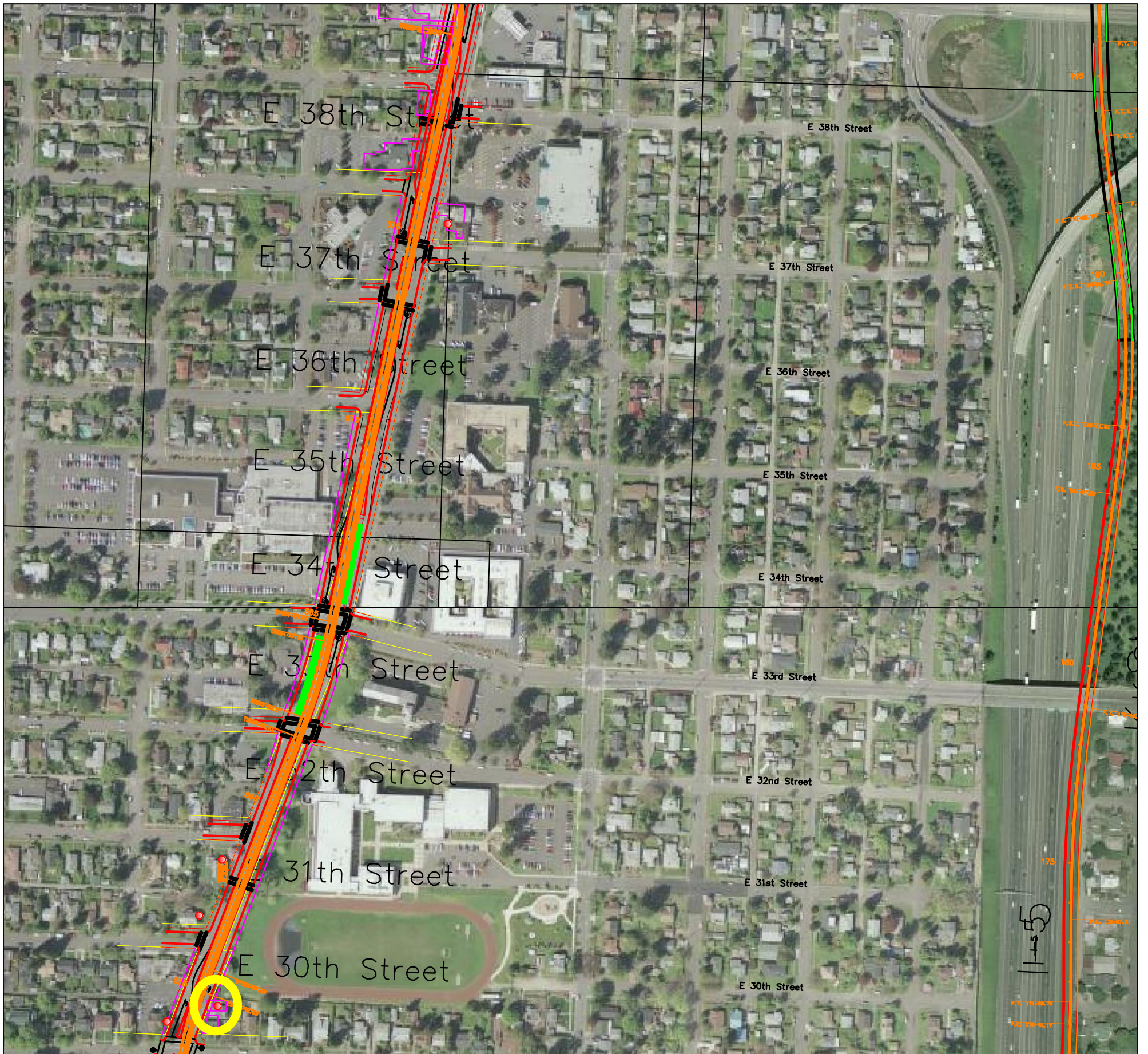
BRT with Full Bridge Replacement



BRT Impacts and Mitigation Broadway Couplet

- 39 noise impacts along Broadway
- Mitigate using sound insulation program to within HUD standards.

BRT with Full Bridge Replacement



BRT Impacts and Mitigation Main North of 29th

- 1 noise impacts Broadway - yellow circle
- Mitigate using sound insulation program to within HUD standards.