



I-5: KUEBLER BLVD. TO DELANEY ROAD WIDENING SEC.

Presenters:

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Oregon Infrastructure Construction
Safety Symposium

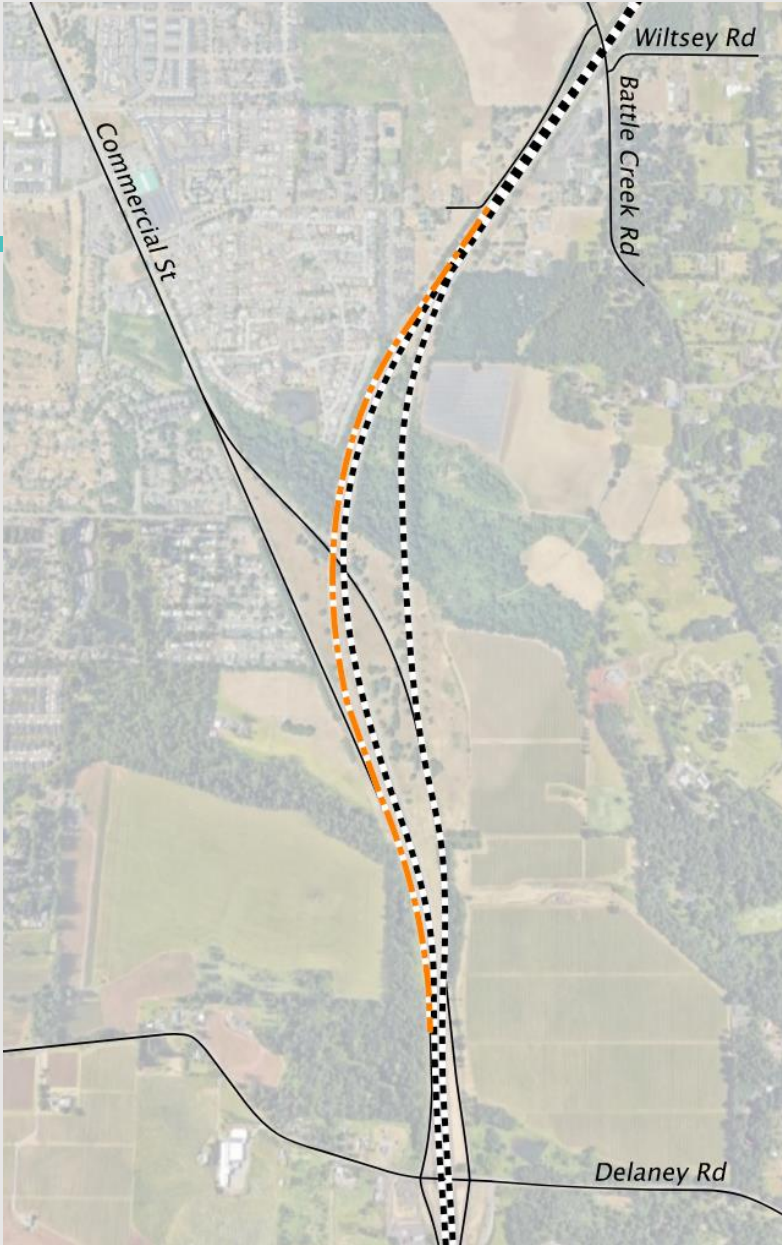
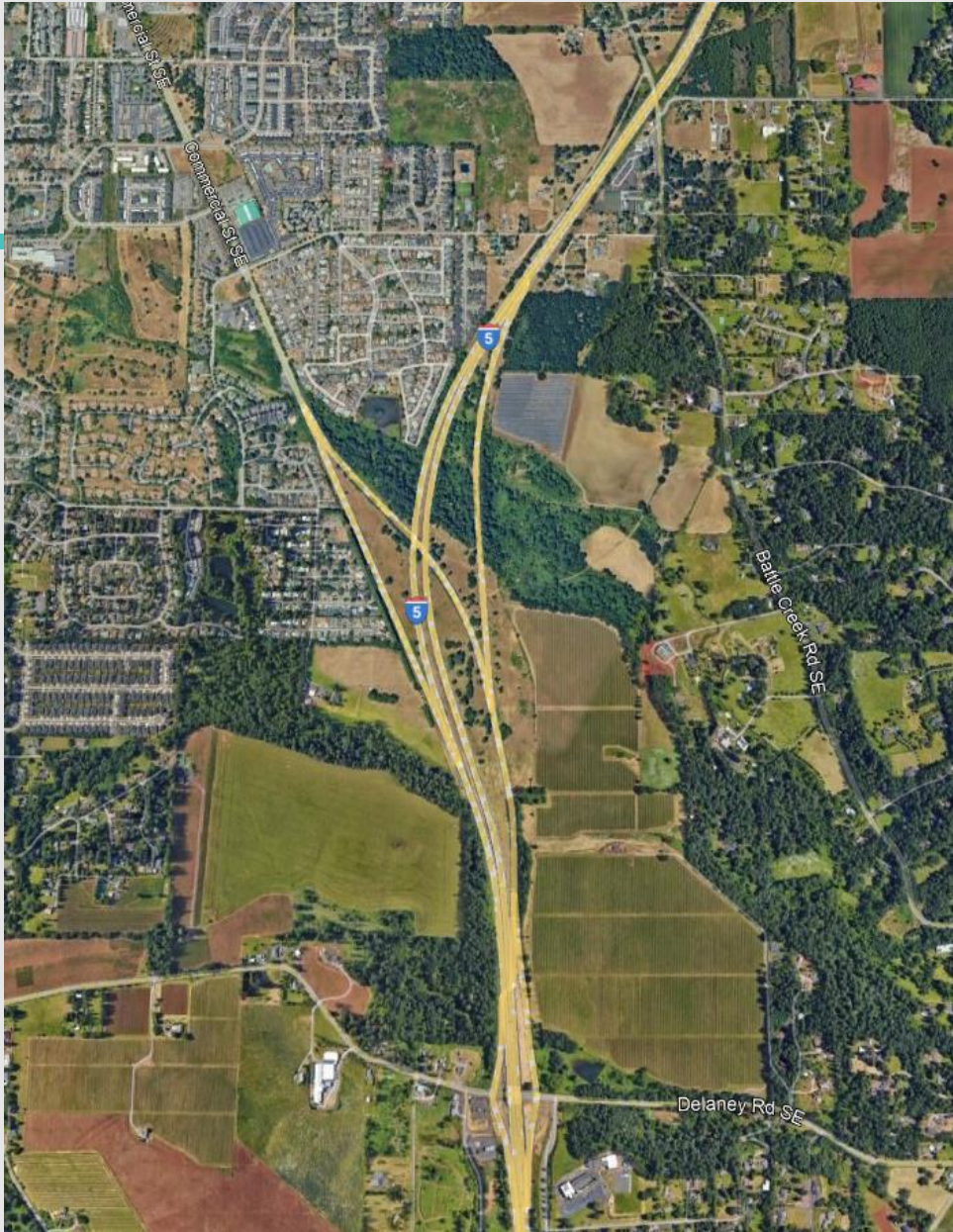
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Agenda

- Project Background
- Work Zone Safety Concepts
- Surrounding Community Impacts
- Law Enforcement
- Q & A



Project Background



Work Zone Safety - Concepts

- Concept: Isolate the work area
- Methods:
 - Delaney on-ramp and southbound detour alignments
 - Speed zone reductions
 - Wiltsey Rd closure
 - Full I-5 closure for beam setting and bridge demolition
- Benefits:
 - ↑ Safety, Efficiency, Quality
 - ↓ Schedule, Cost



Detour Benefits For Construction

- Separation from traffic for construction activities.
- Minimize work force exposure to traffic.
- Minimize public exposure to construction.
- Increase construction productivity.
- Minimize congestion.
- Superior finished product.



I-5 Closures and Impact on Safety and Productivity

- Original Plan was to set girders and demo old bridge under rolling slow downs.
- Extreme risk to public if there was a catastrophic failure.
- Low feasibility of success as there was not enough time even under the best circumstances to perform the needed steps under a rolling slowdown.
- Detour provided minimal impact to traveling public.
- Detour was less of an impact than repeated slowdowns.
- Provided a much safer work environment for construction staff during this operation.



Surrounding Community Impacts

- Local traffic response to Work Zone effect on access
- Detour lengths and minimal impacts

Work Zone Law Enforcement

- Kick-off at pre-con with OSP
- Establish communication contacts and protocol
- Schedule coordination at weekly meetings using look-ahead schedules
- Critical times to be on-site
- Impact on work zone safety: feedback



Next Steps

- Demo of existing Battle Creek Rd structure
- Shift southbound traffic back to permanent alignment
- Wearing course paving
 - Northbound inlay under detour
 - Connections under traffic



Questions

