

I-5, Mounts Rd to Steilacoom-DuPont Rd – Corridor Improvements Project

Steve Roark, Regional Administrator

6/4/20205

Status Meeting With City Of DuPont

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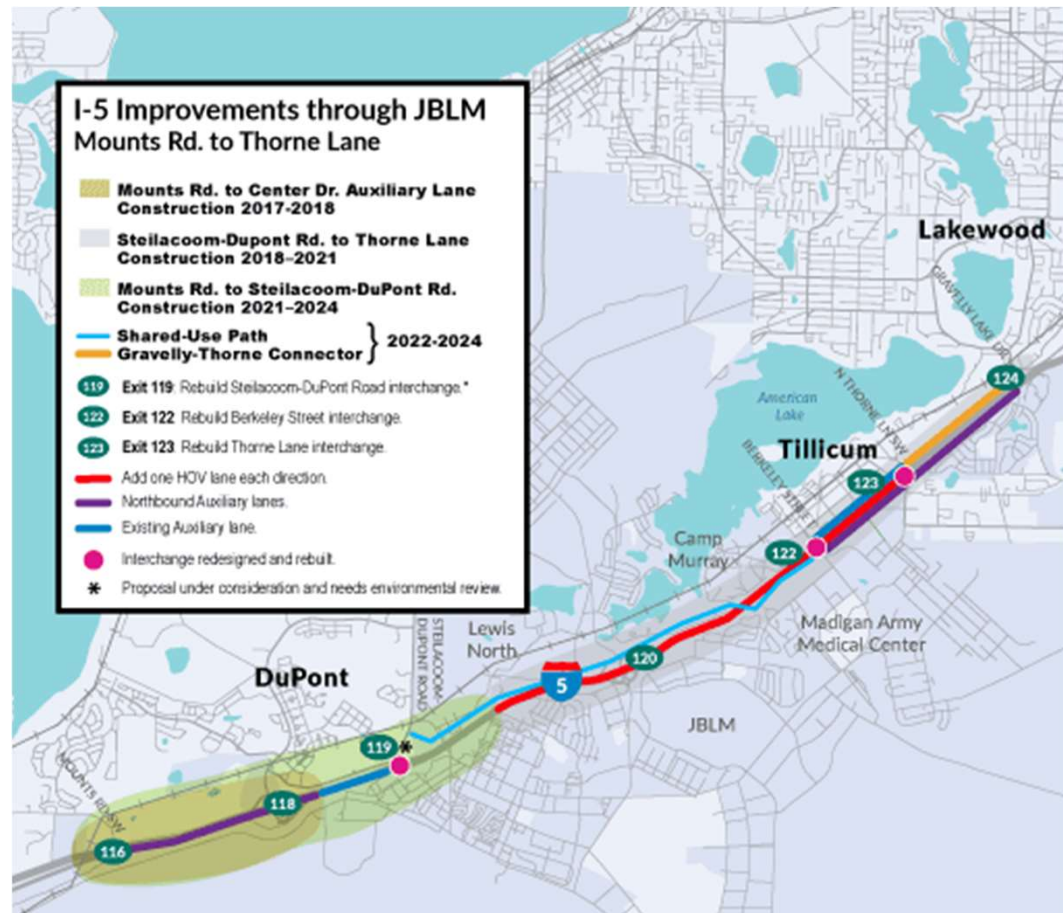
Introductions

- WSDOT Project Engineer – Barsha Pradhan
- WSDOT Design Build Site Manager – Joal Dowling
- WSDOT Quality Verification – Tim Wasson
- WSDOT Design Manager – Owen Kikuta
- Project Manager – Mannie Barnes
- Atkinson Construction Manager – Casey Henning

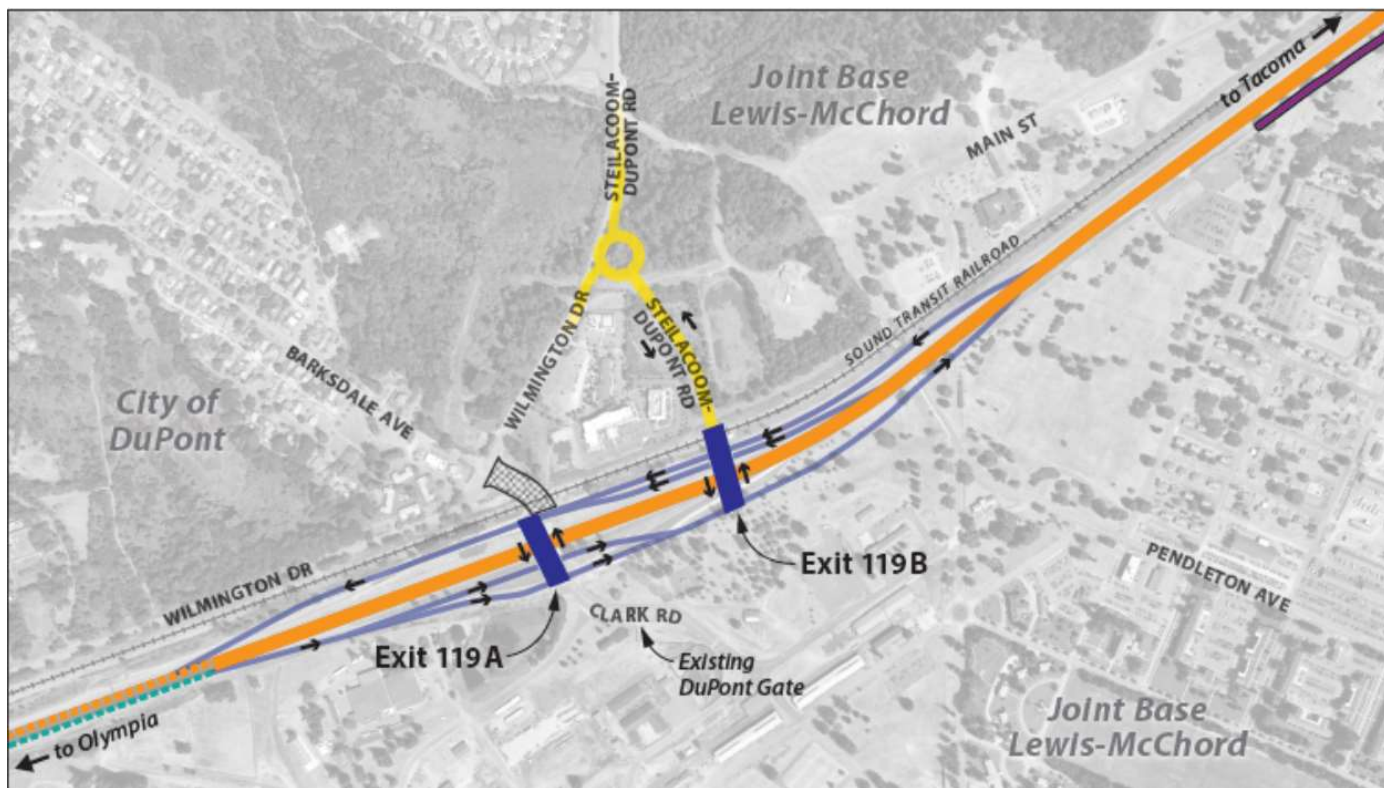


Project Overview

- This project is the third in a series of projects that widen I-5 to bring HOV lanes from Mounts Road near DuPont to Gravelly Lake Drive in Lakewood.
- Current traffic flow is constrained by the close proximity of the ramp intersections, JBLM's DuPont Gate, the railroad, and the intersection of Wilmington Drive and Barksdale Avenue.



WSDOT Concept Plan



Atkinson Proposal Design

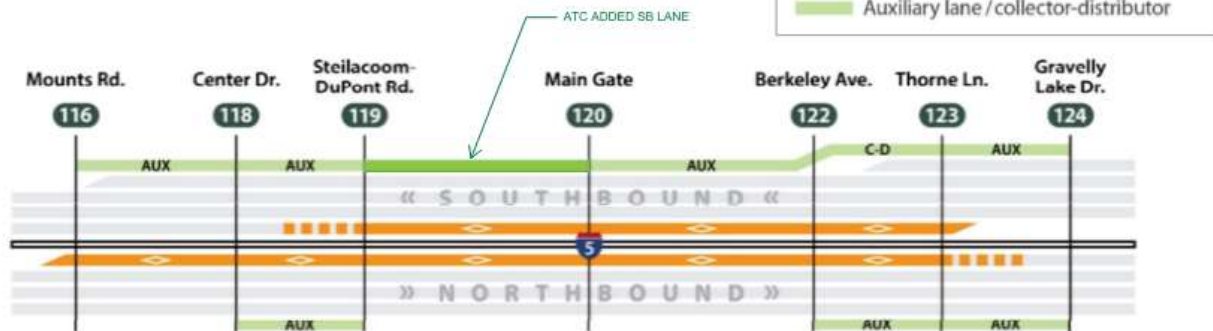
Benefits Provided by ATC 01

- ① Adds SB I-5 capacity between Center Drive and 41st Division Drive
- ② Improves pedestrian safety at the Steilacoom-DuPont Road interchange (barrier separated shared-use path)
- ③ Increases pedestrian safety by only crossing at signalized intersections
- ④ Builds ultimate width for the I-5 bridge over Pendleton Avenue
- ⑤ Builds ultimate width for the I-5 pavement under Steilacoom-DuPont Road interchange
- ⑥ Eliminates future I-5 stopping sight distance deviation
- ⑦ Eliminates future conflict between the 84-inch storm drain manhole and the traveled way
- ⑧ Reduces long-term maintenance of both bridge and retaining wall structures
- ⑨ Reduces impact to JBLM Garrison Historic District Memorial Arboretum trees
- ⑩ Eliminates deep bridge foundations in potential liquefiable soils
- ⑪ Provides non-base vehicles an "escape route" from inadvertently entering the base



Atkinson Proposal Design

I-5 SB LANE ADDITION



ATC 01 completes the missing gap in the I-5 SB Lanes. Stage 2 built the ultimate SB I-5 lane configuration from Gravelly Lake Drive (Exit 124) to Main Gate (Exit 120). The Conceptual plans constructed Auxiliary lanes between the new Steilacoom-DuPont Road interchange (Exit 119 A) and Mounts Road (Exit 116), leaving a gap between (Exit 120) and Steilacoom-DuPont Road (Exit 119) at 4 lanes (reduced capacity). ATC 01 connects this gap, building the SB I-5 ultimate configuration between Main Gate (Exit 120 and Center Drive (Exit 119). We complete the SB I-5 corridor ultimate configuration and help build on the program goal to relieve congestion from Center Drive to Gravelly Lake Drive.





Project Phasing

STAGE NOTES:

1. Close HOV lanes for NB and SB I-5.
2. Remove existing median barrier and construct remaining median barrier.

MOT STAGE 8



Project Overview

Milestones

- **June 2023 – Start soil investigation and survey**
- **August 2023 – Started field work**
- **Substantial Completion Date: Sep 30th, 2026**
- **Physical Completion Date: Dec 29th, 2026**
- **Forecasted Physical Completion Date: Dec 2nd, 2026**
- **Quantities to Date:**
 - Concrete Placed: 8500 CY
 - Rebar Weight Placed: 1.7 Million Pounds
 - Girders Set: 27 Each, 3.5 Million Pounds
 - Excavation: 74,000 CY
 - HMA Placed: 45,000 TN



Steilacoom Dupont Interchange



- **April 2025** – Girders set over NB lanes.
- **June 2025** – Place Bridge Deck on NB section of Bridge
- **July 2025** – I-5 NB Full Closure to remove soffits and safety decking.
- **September 2025** – Set remaining girders over SB I-5
- **December/January 2025** – Partial Opening of New Steilacoom-Dupont Interchange

Raising Pendleton Ave

- Existing vertical clearance 12'4" at the lowest point of I-5 crossing and Sound Transit Rail Crossing.
- New vertical clearance under I-5 at Pendleton Ave will be 17'3" exceeding current requirement of 16'5"
- Clearance below the Sound Transit Railroad will be increased to 14'6" by lowering Pendleton Ave.



Raising Pendleton Ave

- **December 2023** – Broke ground for the first of 3 phases of construction to raise Pendleton Ave.
- **October 2024** – Stage one bridge complete and opened to traffic.
- **March 2025** – Stage two bridge complete and opened to traffic.
- **August 2025** – Demo remaining section of Pendleton Bridge.
- **September 2025** – Set remaining girders for the third phase of construction.
- **November 2025** – New Pendleton Ave bridge over I-5 complete and in service.





Steilacoom Dupont Road Roundabout

- **November 2023** – Broke ground on Steilacoom Dupont Roundabout
- **May 2025** – Partial opening of Steilacoom Dupont Roundabout
- **December 2026** – Round about fully functional.

NB Lanes Opened in Final Configuration



- **April 2025** - NB Lanes placed in final configuration north of Pendleton Ave to end of project. Opening nearly 1 mile of new HOV lane.

Upcoming Changes



- **March 2026** – Existing crossing at Steilacoom Dupont Road will be demolished under a full I-5 closure, and the new interchange in full use. Sound Transit at grade crossing will no longer be necessary.

QUESTIONS