

32nd St Underpass

Progressive Design Build Project Approval Application

09/26/2024



City of Washougal



THAXTON | PARKINSON PLLC

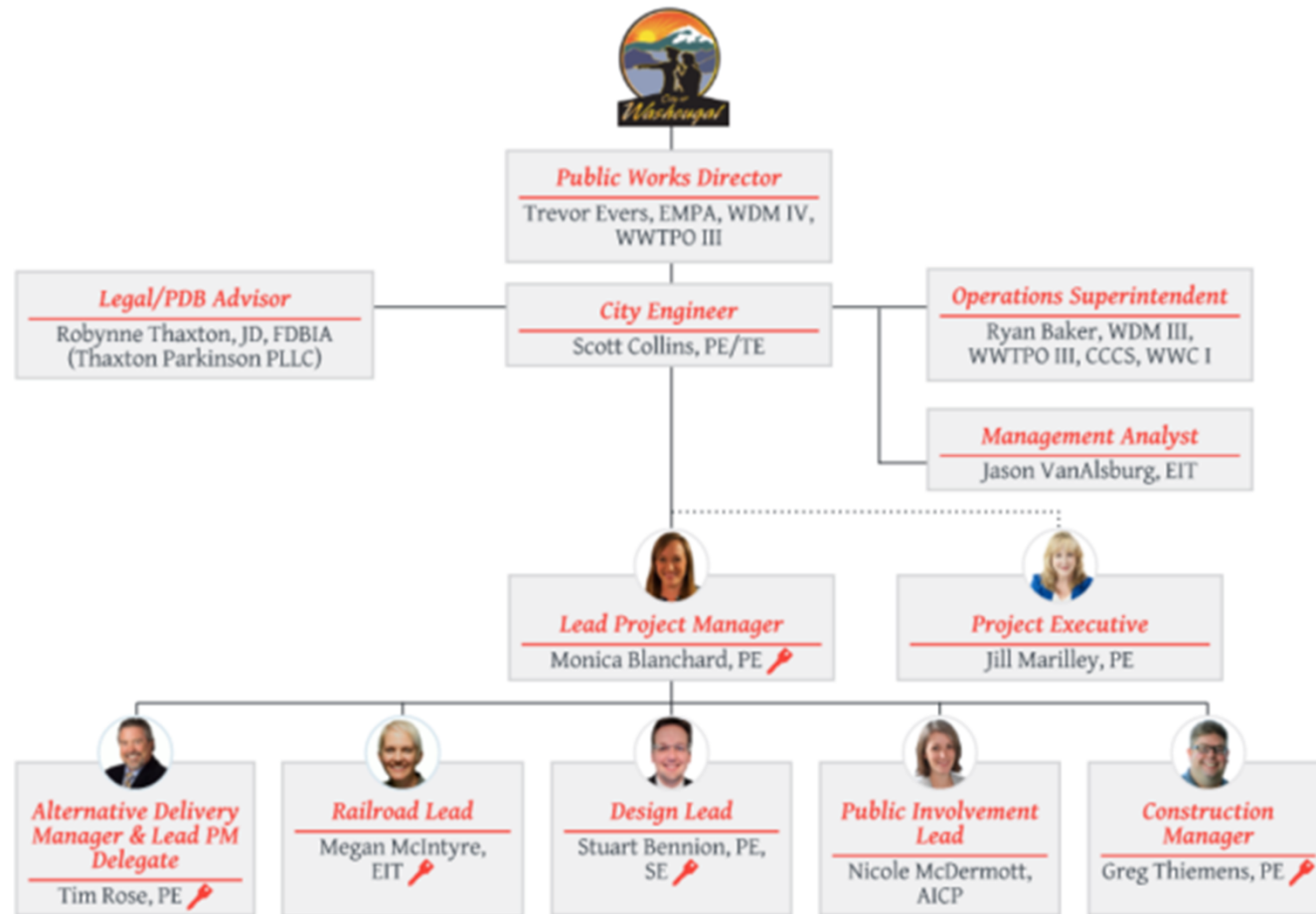
PROJECT MANAGEMENT

Name	Procurement	Pre-Con	Construction
Trevor Evers	5%	5%	5%
Scott Collins	50%	50%	50%
Ryan Baker	5%	10%	5%
Jason VanAalsburg	20%	20%	20%
Robynne Thaxton	10%	*	*
Jill Marilley	5%	5%	5%
Monica Blanchard	50%	50%	50%
Tim Rose	20%	20%	5%
Megan McIntyre	5%	10%	10%
Stuart Bennion	10%	20%	5%
Nicole McDermott	5%	5%	5%
Greg Thiemens	5%	10%	75%

*As needed



City of Washougal

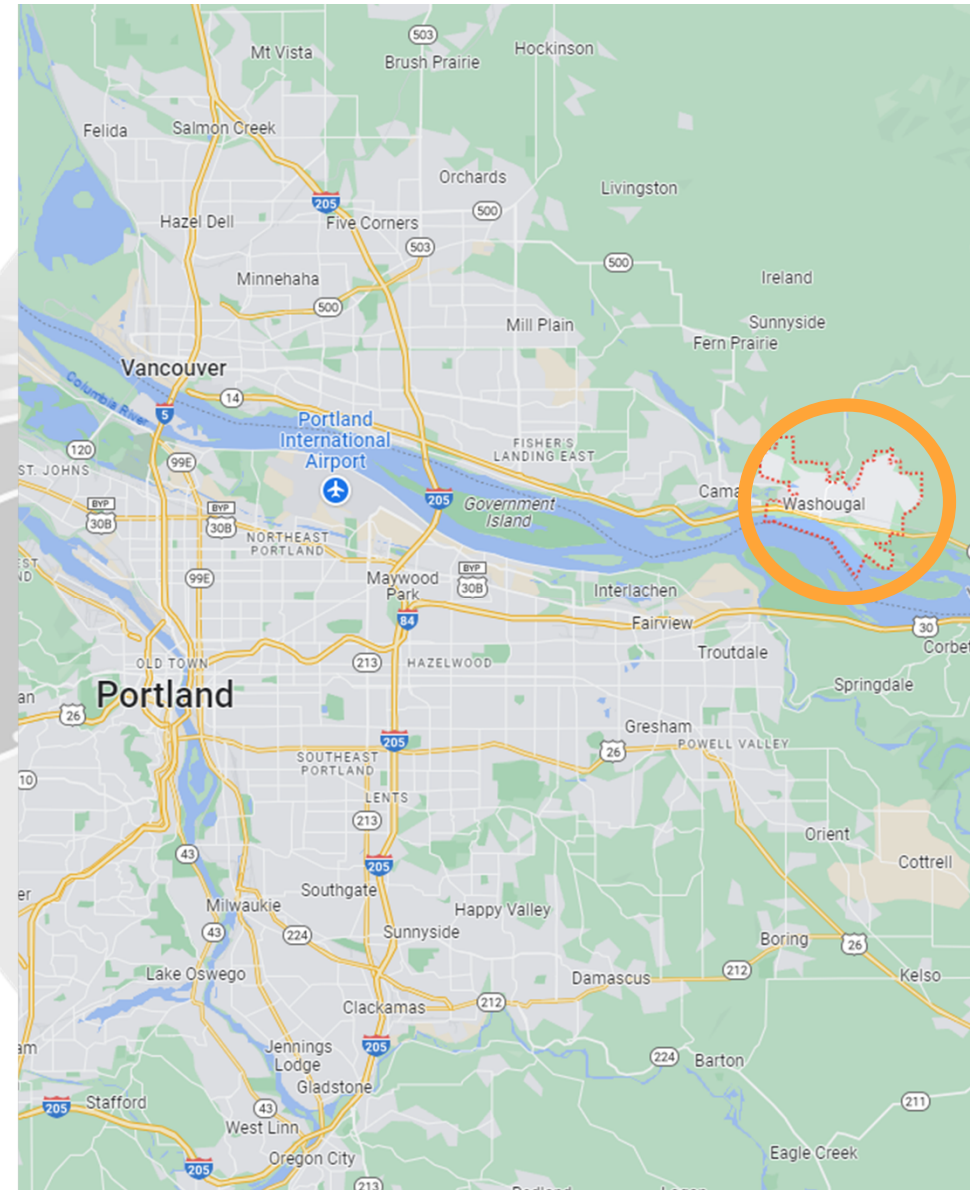


PROJECT LOCATION

- City located in southwest Washington on the Columbia River
- 17,390 residents
- Known as “Gateway to the Gorge”
- Lies 23 miles northeast from Portland, OR and 18 miles east of Vancouver, WA
- Occupies a total of approximately 5.7 square miles
- State Route 14 bisects the City
- Project near the intersection of 32nd Street and Evergreen Way



City of Washougal

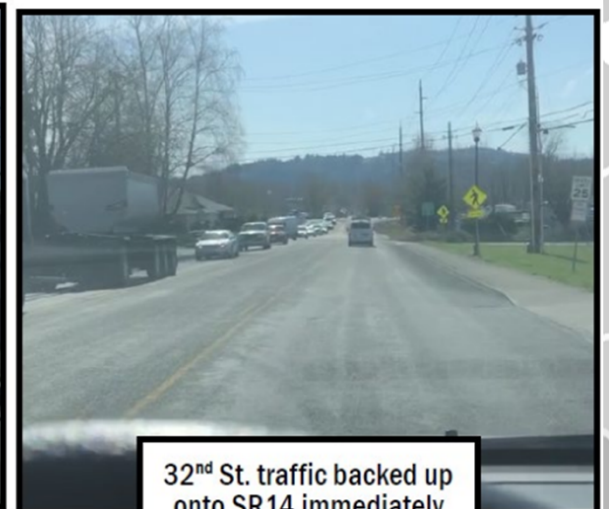


PROJECT NEED

- Road/Rail conflict presents significant and continuing hazards for travelers along a critical north-south corridor
- Traffic delays due to train activity where traffic will back up onto SR-14, approximately 0.25 miles south of crossing
- High crash rate with 32nd being one of the most dangerous roadways in Washougal
- Hazardous intersection with lack of pedestrian/bike facilities and proximity of signal to rail crossing
- North-South connectivity barrier where 32nd is the only easterly arterial with access to SR-14 with critical resources nearby



BNSF Train
blocking 32nd St.
mid-day



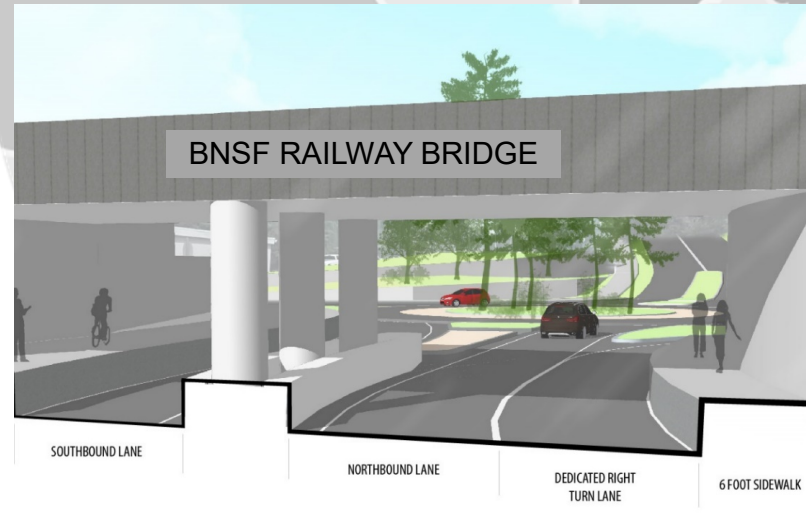
32nd St. traffic backed up
onto SR14 immediately
after train mid-day





PROPOSED PROJECT

- Installation of rail undercrossing
- Roundabout installation at 32nd/Main and 32nd/Evergreen
- Intersection improvements at F Place, E Street, and A Street
- Sidewalk and multi-use path for pedestrians and bicyclists



PREPARATION FOR PROGRESSIVE DESIGN BUILD

- Training held for the City Staff and City Counsel
- Multiple sessions determining the appropriate delivery method
 - Extensive review of risks on the project
 - Review of benefits/risks of each delivery method
- Development of decision-making and issue resolution process



COST ESTIMATE VALIDATION

- Initial cost estimate above viable funding limit
- Industry outreach, potential design refinements, & potential construction approach modifications
- Revised preliminary cost estimate within viable funding limit
- PDB to validate cost during initial validation phase
- PDB provide innovated design & construction solutions to reduce cost & mitigate impacts



PROJECT COST & FUNDING

Category	Budgeted Cost
Costs for Professional Services (A/E, Legal etc.)	\$6-7M
Estimated project construction costs (including construction contingencies)	\$35-40M
Contract administration costs (owner, cm etc.)	\$3-4M
Contingencies (design & owner)	\$8-9M
Other related project costs (ROW,BNSF)	\$17-20M
Sales Tax	\$50-60K
Total	\$69-80M

- 63-73% Funded through USDOT Rail Crossing Elimination (RCE) Grant, Move Ahead Washington Funds, & 2023-2025 WSDOT Transportation Budget



City of Washougal

- 32nd Street Underpass OA Schedule** Classic Schedule Print Layout 06-Aug-24 18:00

Activity ID	Activity Name	Original Start	Finish	Total Float	Work Week	Summary
32nd St - AUG 2024.1 32nd Street Underpass OA		1503 16-Jun-24	16-Jun-24	-30		
32nd St - AUG 2024.1.1 OA Phase Milestones		1503 16-Jun-24	16-Jun-24	-30		
32nd St - AUG 2024.1.2 WSP OA - Project Design		1503 16-Jun-24	16-Jun-24	-30		
32nd St - AUG 2024.1.3 WSP OA - Procurement		233 26-Jun-24	10-Jul-25	-26		
A1503 Recommendation Memo & CPMSP/ETC Application Pk	15 26-Jun-24	17-Jul-24	30-Jul-24	5	A1503	A1503, A1505
A1504 PRC Application	16 26-Jun-24	10-Jul-24	10-Jul-24	0	A1504	A1503, A1505
A1505 Submit CPMSP Application	17 26-Jun-24	20-Jul-24	20-Jul-24	0	A1505	A1503, A1504, A1506
A1506 WFLC & Contract Review	18 26-Jun-24	08-Jul-24	08-Jul-24	-20	A1506	A1503
A1507 WFLC & Contract Review Meeting	19 26-Jun-24	04-Jul-24	04-Jul-24	-20	A1507	A1503
A1508 Finalize WFLC & Contract	20 26-Jun-24	16-Jul-24	16-Jul-24	-20	A1508	A1503
A1509 PRC Approval Meeting	21 26-Jun-24	26-Jul-24	26-Jul-24	-20	A1509	A1503, A1505
A1510 Advance RFP	22 27-Jun-24	27-Jun-24	27-Jun-24	0	A1510, A1505	A1503, A1505
A1511 PDR RFP Response Packet	24 28-Jun-24	21-Jul-24	21-Jul-24	-20	A1511	A1503
A1512 PDR RFP Submission Day	25 28-Jun-24	21-Jul-24	21-Jul-24	-20	A1512	A1503
A1513 PDR RFP Evaluation	26 28-Jun-24	21-Jul-24	21-Jul-24	-20	A1513	A1503
A1514 PDR RFP Results	27 28-Jun-24	22-Jul-24	22-Jul-24	-20	A1514	A1503
A1515 Advance RFP	28 28-Jun-24	20-Jul-24	20-Jul-24	-20	A1515	A1503
A1516 PDR RFP Response Packet	29 28-Jun-24	08-Jul-24	08-Jul-24	-20	A1516	A1503
A1517 PDR RFP Submission Day	30 28-Jun-24	08-Jul-24	08-Jul-24	-20	A1517	A1503
A1518 PDR RFP Evaluation	31 28-Jun-24	08-Jul-24	08-Jul-24	-20	A1518	A1503
A1519 PDR RFP Results	32 28-Jun-24	14-Jul-24	14-Jul-24	-20	A1519	A1503
A1520 PDR RFP Results	33 28-Jun-24	14-Jul-24	14-Jul-24	-20	A1520	A1503
A1521 Highway Safety Project Determination	34 28-Jun-24	25-Jul-24	25-Jul-24	-20	A1521	A1503
A1522 PDR RFP Results	35 28-Jun-24	25-Jul-24	25-Jul-24	-20	A1522	A1503
A1523 PDR RFP Results	36 28-Jun-24	25-Jul-24	25-Jul-24	-20	A1523	A1503
32nd St - AUG 2024.2 WSP OA - Design		763 16-Jun-24	13-Jul-24	0		
32nd St - AUG 2024.3 WSP OA - ROW Acquisition		886 16-Jun-24	13-Jul-24	0		
A1524 ROW Plan & Funding	10 16-Jun-24	26-Jun-24	30-Jun-24	5	A1524	A1540
A1525 Relocation Plan	40 16-Jun-24	22-Jul-24	22-Jul-24	-20	A1525	A1510, A1515
A1526 ROW Plan & Funding	41 26-Jun-24	30-Jun-24	30-Jun-24	0	A1526	A1510
A1527 ROW Plan & Funding	42 16-Jun-24	19-Jul-24	19-Jul-24	-20	A1527	A1510, A1520
A1528 ROW Plan & Funding	43 16-Jun-24	19-Jul-24	19-Jul-24	-20	A1528	A1510
A1529 ROW Plan & Funding	44 16-Jun-24	19-Jul-24	19-Jul-24	-20	A1529	A1510
A1530 ROW Plan & Funding	45 16-Jun-24	19-Jul-24	19-Jul-24	-20	A1530	A1510
32nd St - AUG 2024.4 WSP OA - Environments		888 26-Jun-24	17-Jul-24	0		
A1531 ROW Plan & Funding	46 26-Jun-24	17-Jul-24	17-Jul-24	0	A1531	A1510, A1515
A1532 ROW Plan & Funding	47 26-Jun-24	17-Jul-24	17-Jul-24	0	A1532	A1510, A1515, A1517
A1533 ROW Plan & Funding	48 26-Jun-24	17-Jul-24	17-Jul-24	0	A1533	A1510, A1515, A1517
A1534 ROW Plan & Funding	49 26-Jun-24	17-Jul-24	17-Jul-24	0	A1534	A1510, A1515, A1517
32nd St - AUG 2024.5 WSP OA - Grants & Funds		435 16-Jun-24	09-Jul-24	200		
32nd St - AUG 2024.6 WSP OA - WSP Oversight		1111 16-Jun-24	09-Jul-24	200		
32nd St - AUG 2024.7 WSP OA - FRA Oversight		1218 16-Jun-24	09-Jul-24	40		
32nd St - AUG 2024.8 WSP - Phase 1		85 08-Jul-24	26-Jul-24	35		
A153						

PROJECT MANAGEMENT & CONTROLS

WSP has extensive tools to provide support with:

- Managing the schedule
- Managing PDB contract through all phases
- Assuring transparency in the development of price, scope, and schedule
- Expertise in review of design submissions
- Expertise in quality management and control during all phases

Thaxton Parkinson will provide support with:

- Procurement and contract documents that have been used in transportation projects and vetted by industry
- RCW 39.10 compliance
- PDB Best Practices are followed
- Contract Milestones and Amendments are properly documented



PDB BACKGROUND & EXPERIENCE

Completion of PDB Projects under RCW 39.10.300

- 40+ projects in excess \$9 billion
- Nationally recognized expertise in PDB

Project Team's Delivery or Completion of Transportation Projects & Programs Using DB & PDB

- WSP is the GEC for WSDOT Interstate Bridge Replacement Program and Puget Sound Gateway Program, both include PDB
- WSDOT SR520 Floating Bridge & Landings (DB)
- UDOT US89 Farmington to I84 (PDB)
- WSDOT Fish Passage Projects (PDB)
- City of Wenatchee Confluence Parkway Project (PDB)



BENEFITS OF PDB

Specialized Construction Activities & Methodology

- Coordination of construction sequencing and phasing with BNSF & the City
- Complex Right of Way impacts
- Business & residential access constraints
- Complex drainage

Opportunity for Innovation & Efficiencies

- Early determination of feasibility
- Coordination with BNSF
- Drainage design & construction
- Constructability, cost and schedule input

Project Delivery Savings

- Early work packages, early material procurement & early ROW acquisition
- Staffing efficiencies

Public Benefit

- Efficiently manage construction costs during design
- Expedite procurement and construction timeline
- Cost effective risk allocation & mitigation



SUBCONTRACTOR & DBE STRATEGY

- Federal Rail Administration grant requires DBE commitments
- Pre-proposal meeting after release of RFP
- RFQ will request past performance with MWSV Businesses
- RFP will request specific inclusion plans for both design and construction
 - Strategies for MWSV outreach
 - Support for MWSV businesses
 - Right sizing design and construction packages
 - Assistance with certification
 - Plan for achieving DBE/MWSV participation goal
 - Use of PDB to maximize participation opportunities



QUESTIONS

