

SUBSURFACE UTILITY ENGINEERING



WOODBURN INTERCHANGE SUBSURFACE UTILITY ENGINEERING, OREGON DEPARTMENT OF TRANSPORTATION

- \$90 million interchange improvement project
- Interchange reconstruction, OR 214 and 219 widening, new alignments, storm drainage, pedestrian improvements, and overcrossing bridge widening
- Realignment of Evergreen Road and construction of a transit facility
- SUE project management, coordination with ODOT and nine different utilities
- Records research and site reconnaissance
- 18,500 feet of roadway
- Location and surveying of subsurface utility facilities (test holes)
- Underground facility designation and video pipe inspection
- Designation of unlocatable facilities using ground penetrating radar (GPR)
- Production of a two-dimensional map ("SUE Map") and a 3-D model ("SUE Model") for ODOT use in roadway design
- Production of a report documenting all SUE activities and recommended actions

VALLEY MALL BLVD INTERCHANGE IMPROVEMENTS, WASHINGTON DEPARTMENT OF TRANSPORTATION

- \$20 million interchange improvement project
- New alignments, storm drainage, bridge, end walls, abutments, subgrade cuts, pedestrian improvements and access improvements
- SUE program management and coordination with WSDOT
- Utility records research, reconciliation and analysis
- Coordination with eight different utilities/facilities
- 21,950 feet of roadway
- High-quality utility base mapping allowed WSDOT to avoid impacts, where practical
- Existing storm drainage system modeling, analyses and assessments to facilitate storm drainage design



LINCOLN CITY SUBSURFACE UTILITY ENGINEERING, ODOT

- \$22.5 million roadway improvement project
- Widening of US 101, installation of larger drainage facilities, curb, sidewalk, retaining wall construction, and street realignment
- Utility record research, field walk-through and coordination with ODOT and eight different utilities
- 9,000 feet of roadway
- Designation of underground drainage facilities
- Location and surveying of subsurface utility facilities (test holes)
- Production of accurate and high-quality utility map and three-dimensional model ("SUE Model") for use by ODOT roadway designers
- Document all SUE activities and recommended actions in a report

