

STORMWATER MANAGEMENT



FREEWAY AND STORMWATER MANAGEMENT, VARIOUS I-5 AND I-205 PROJECTS, OREGON DEPARTMENT OF TRANSPORTATION

- Storm drainage basin modeling and analysis
- Water quality assessments
- Stormwater detention analysis
- Piped system design
- Bioswales design
- Swale and flood channel design
- Above-ground and below-ground detention facilities
- Pervious shoulders

NORTH BURLINGTON REGIONAL STORMWATER FACILITY, CITY OF BURLINGTON, WA

- 13-mgd stormwater lift station
- Stand-by power generation
- 3,400 feet of 24-inch diameter force main
- 970 feet of 48-inch diameter storm sewer
- Two BNSF Railway jacked and bored cased crossings
- Construction through WSDOT Highway SR20
- Fast-track project
- Successfully completed within schedule and with minimal change orders



CAMPUS IMPROVEMENTS PROJECT, CLACKAMAS COMMUNITY COLLEGE, OR

- Hydraulic and hydrologic modeling and analysis of two local drainage basins
- Hydraulic modeling and analysis of the College's existing underground and open channel storm drainage systems
- Field investigations and analysis related to potential downstream impacts from the College's campus improvements
- Several stormwater quality, detention and conveyance facilities
- Accessible multi-use pathways featuring previous asphalt pavements
- Steel pedestrian bridge and associated environmental mitigation work