

# SEWER REHABILITATION



## SANITARY SEWER REHABILITATION PROGRAM, CITY OF ST. HELENS, OR

- Infiltration and inflow (I/I) reduction program, improvements to both sanitary sewer and storm drainage systems
- \$10 million program partially funded through American Recovery and Reinvestment Act (ARRA), administered locally through Oregon Clean Water State Revolving Fund
- 75,000 feet of sewer rehabilitation and reconstruction
- Completed in multiple phases on a super-fast-track schedule
- First package trenchless cured-in-place pipe (CIPP) primarily used to rehabilitate over 35,000 feet of sanitary sewer
- Certain areas replaced by conventional excavation construction
- 5,000 feet of storm sewer constructed to remove cross-connections, reduce exfiltration, where under capacity and in poor condition

## SANITARY SEWER REHABILITATION, CITY OF SPRINGFIELD, OR

- 45,000 feet of sanitary sewer main rehabilitated
- 500+ lateral reconnections
- 180+ manhole replacements/reconnections
- \$5 million work program was completed on time and more than \$1 million under budget
- Extensive use of trenchless technologies, including cured-in-place pipe and pipe bursting
- Accelerated design with nine separate construction contracts to meet federally mandated completion date
- Property restoration strategy: incentivize contractor to minimize impacts



## SANITARY SEWER CIPP REHABILITATION, CITY OF WEST LINN, OR

- I/I reduction program
- First of seven phases
- 10,000 feet of CIPP rehabilitation
- Challenging terrain and off-road alignments
- Minimized impacts to private properties in residential setting
- Avoided pavement repairs and minimized traffic impacts
- Addressed lateral connections

