

Blaine Sewer Rehabilitation Project

Funding Request: \$2,500,000



Request: The City of Blaine requests \$2.5 million to rehabilitate and upgrade the existing sewer conveyance system. The work will include repairing existing sewer lines and adding a new line to alleviate flow restrictions in 90-year old lines. This work will be undertaken in an area on the east side of the City and Interstate 5. The repaired areas will aid in accepting increased demands from the continuing residential construction in the East Blaine area. The total cost of this project will be approximately \$7.5 million, of which the City of Blaine is requesting a \$2.5 million portion (\$1.875 million in EDI grant funding and \$625,000 in EDI loan funding).

Issue: Existing sewer pipes have settled due to changing soil conditions around the pipe beds causing slumping. Pipes are cracked and crumbling in some locations. The degraded system is leading to liquid blockages and debris stopping normal gravity flow toward the wastewater treatment facility. The various segments with these conditions have led to a few manholes collecting wastewater and percolating through their covers into the streets during extreme flow events. The existing conveyance infrastructure of pipes, manholes, and lift stations is the main route for wastewater movement from the City's east side residential area and industrial and manufacturing areas.

Solution: The City is coordinating to reconstruct part of the existing wastewater infrastructure and to add a new bypass line. This is being done in order to alleviate existing problems and to ensure adequate future capacity. Under the proposed project, 1,550 feet of new 18-inch wastewater main will be installed at the head end for the sewer to accept the mass flows that will result once the East Blaine development extensions are operational. In addition, over 1,700 feet of existing wastewater mains will be rehabilitated including rebuilding up to five manholes to manage existing flows and augment future capacity.

