

APPENDIX F: IMPROVEMENTS TO RESIDENTIAL ROAD NETWORK BY OTHER AREAS

Maintenance Treatments	Yearly Budget	Purpose	Benefits
ASPHALT OPERATIONS AND MAINTENANCE			
Pothole Patching	\$1.00 M	Placement and compaction of asphalt concrete into potholes	<ul style="list-style-type: none"> • extends the life of the road surface; and • reduces vehicle damage and driving safety concerns from potholes.
Crack Sealing	\$0.45 M	Placement of specialized materials on cracks to prevent water intrusion into the road structure through those cracks	<ul style="list-style-type: none"> • low cost; and • extends the service life of a road in “good” condition.
Restorative and Rejuvenating Seals	\$0.35 M	Surface treatments applied on roads in “good” condition to restore the flexibility of asphalt and seal the pavement surface	<ul style="list-style-type: none"> • low cost; • extends the service life of a road in “good” condition; and • extends time that a road qualifies lower cost maintenance treatments (crack-sealing, thin-lift overlays, etc.).
Maintenance Pave	\$1.75 M	Thin-lift overlay treatment applied on a road that has a condition rating of "poor".	<ul style="list-style-type: none"> • extends the life of the road surface; • reduces vehicle damage and driving safety concerns from potholes; and • improve the riding surface and drainage of a “poor” street until more extensive treatments can be completed.
WATER WORKS PROGRAMS			
Trench Settlement Remediation Program (TSRP)	\$0.30 M	Addresses the settlement of trenches resulting from cast iron water main replacement.	<ul style="list-style-type: none"> • work is coordinated between the programs to ensure a complete renewal of those locations (instead of only treating half of the road); • costs are shared as the TSRP treats the portion of the street with distresses resulting from the previous trench and the RRRP rehabilitates the remaining portion of the road and sidewalks; and • RRRP is able to complete additional locations when costs are offset by the TSRP.
Water and Sewer Infrastructure Renewal Programs	\$5.00 M	Addresses the age related deterioration of the City’s Water Works infrastructure. Prior to road renewal of a location under the RRRP, rehabilitation of the water and sewer infrastructure is completed prior to the road construction.	<ul style="list-style-type: none"> • cost for work in areas of coordinated renewal are shared between these programs; • disruption to the public is reduced by coordinating work (one extended road closure compared to multiple road closures); • a road will stay in “excellent” condition longer when underground infrastructure is rehabilitated before road construction reducing the number of utility repair cuts; and • cost-savings as the repetition of work for the different infrastructure rehabilitations is reduced and the costs for the overlapping work are shared. RRRP is able to complete additional locations when costs are offset by these programs.