Asset Group	Probability of Failure Score (1 = low, 5 = high)	Consequence of Failure Score (1 = low, 5 = high)	Useful Life	Unit Costs (preliminary estimates for planning purposes only)
Roads	Based on 2015 Inspections – Overall Condition Index (OCI): OCI 0 – 40 = 5 OCI 40 – 55 = 4 OCI 55 – 70 = 3 OCI 70 – 85 = 2 OCI 85 – 100 = 1	Based on Road Class: Arterial = 5 Collector = 4 Local = 3	Surface Treated 30 years Gravel 75 years Asphalt/Village 50 years	Based on Surface Type: Village = $1500 / m Asphalt = $450 / m Surface treated = $200 / m Gravel = $250 / m
Bridges & Culverts	Based on OSIM reports – Bridge Condition Index (BCI): BCI 0 – 35 = 5 BCI 35 – 45 = 4 BCI 45 – 60 = 3 BCI 60 – 75 = 2 BCI 75 – 100 = 1 If BCI unavailable, based on % of useful life remaining (age)	Bridge (Arterial)= 5 Bridge (Collector/Local)= 4 Culvert (Arterial)=4 Culvert (Collector/Local) = 3	Bridges = 75 yrs Culverts= 50 yrs	Based on average historical replacement cost (in 2015 dollars): $5,000 / m^2 Approximate cost, based on average bridge and culvert replacement values in Township
Facilities	Facility Condition Index (FCI): FCI 0 – .25 = 1 FCI .26 –.50 = 2 FCI .51 – .75 = 3 FCI .76 – 1.0 = 4 FCI 1.0 + = 5 If FCI unavailable, based on % of useful life remaining (age)	Beach/Park/Museum=1 Township Rentals=2 PW Dome/Recreation Hall/Library=3 PW Garage & Admin/Town Hall/ Secondary Firehall = 4 Primary Firehall/Police=5	30 to 50 years	Based on replacement costs from condition assessment report from consultant

Water Facilities	Based on remaining useful life (age): 80 – 100 % = 1 60 – 79 % = 2 30 – 59 % = 3 1 – 29 % = 4 0 % = 5	Raw Water Intake = 5 Elevated Water Storage Tower = 4 Treatment Plant = 5 UV& GAC contactors = 5	Raw Water Intake = 100 yrs Elevated Water Storage Tower = 100 yrs Treatment Plant = 50 yrs UV& GAC contactors = 25 yrs	Based on historical costs + inflation rate of 3%
Water Mains	Based on remaining useful life (age): 80 – 100 % = 1 60 – 80 % = 2 40 – 60 % = 3 20 – 40 % = 4 0 – 20 % = 5	Based on pipe diameter: 250 mm = 5 200 mm = 4 150 mm = 3 100 mm = 2 < 100 mm = 1	100 yrs	Based on Diameter: 250 mm = $450 / m 200 mm = $400 / m 150 mm = $300 / m 100 mm = $400 / m (based on City of Ottawa 2012 Spec Code Listing, includes all appurtenances) Water course crossings cost & fire hydrants based on historical costs + 3% inflation
Storm Sewers	Based on Structural Grade (SG) SG 1 = 1 SG 2 = 2 SG 3 = 3 SG 4 = 4 SG 5 = 5	Based on sewer diameter: 1050mm+ = 5 675mm - 900mm = 4 450mm - 600mm = 3 250mm - 375mm = 2 < 250 mm = 1	80 yrs	Unit Cost based on 2012-2016 actual project costs