	Roads and Structures - Core Assets									
Task No.	Work Plan Task	Asset Class	Estimated Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)			
SOI-01	Update condition assessment and OSIM Inspection information	Roads/Structures	2021-2022	High	The pavement condition survey and OSIM inspection will inform the 2024 AMP for the Roads Service Area	External	Complete: Structures: 2021 OSIM inspections are complete. Ongoing: Roads: 2021 condition data has been collected and will be loaded to the system in 2022.			
SOI-02	Review replacement cost models and develop a sustainable framework for periodically updating and reporting on replacement cost figures	Roads/Structures	2021-2022	Medium	Replacement costs contained within CityWide, the City's Tangible Capital Asset System, are based on historical costs. Replacement and renewal costs change over time and may be significantly understated	Internal/ External	Not started: Currently using TCA values to estimate replacement cost.			
RIS-01	Develop a Risk Assessment Framework for roads and structures	Roads/Structures	2021-2022	Medium	A risk framework will enable the Roads Service Area to better prioritize funding availability across asset classes	External	Complete: Interim funding prioritization model has been implemented. Not started: The development of a formalized risk assessment tool.			

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

	Roads and Structures - Core Assets										
Task No.	Work Plan Task	Asset Class	Estimated Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)				
LOS-01	Review condition information and develop level of service targets for the management of roads and structures	Roads/Structures	2022-2024	High	In addition to being required to meet <i>O. Reg. 588/17</i> , level of service targets enable the service area to track progress against established targets	Internal	Ongoing: Technical LOS have been established subject to periodic review. Roads: Best Practices in industry LOS is 72 PQI network condition Structures: Target LOS is average of 80 BCI Additional Community LOS still to be defined.				
DAT-01	Expand Use of Infor to track Capital Delivery Contracts against Roadway Assets	Roads/Structures	2022-2024	Roads: Medium Structures: Low	Better asset lifecycle costing and improve processing time for Tangible Capital Asset Reporting	Internal	Not started				
DMGT- 01	Complete Climate Change Vulnerability Assessment and implement action plan	Roads/Structures	2021-2023	High:	The Climate Change Vulnerability Assessment will guide investments in roads and structures to protect against the impact of climate change	Internal/ External	Ongoing: CMS working on a City wide RFP to conduct a Climate Change Vulnerability Assessment for all existing municipal assets.				

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

CMS -Community Services -Parks, Forestry & Environment Division

Appendix 2

	Roads and Structures - Core Assets									
Task No.	Work Plan Task	Asset Class	Estimated Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)			
LMGT- 01	Utilize the lifecycle information within RPMS and BTMS to explore and develop enhanced repair and preservation approaches and strategies	Roads/Structures	2021-2024	High	Enhanced and expanded inspection, preservation, repair and renewal strategies can extend the life of both road and structure assets and improve overall performance of assets	Internal	Ongoing			
IGC-01	Work with Corporate Finance to formalize performance targets and sustainable funding for roads and structures	Roads/Structures	2021-2024	High	<i>O. Reg. 588/17</i> requires the establishment of Service Level Targets by 2025	Internal	Ongoing			
CIM-01	Update the Maturity Assessment and Continuous Improvement Plan and report back to Leadership Team	Roads/Structures	2021-2023	High	Providing Leadership Team and Council with regular updates on the progress made towards asset management planning will ensure that we continue to mature in our asset management practices	Internal	Complete Updated Maturity Assessment in Q1 2022 Ongoing Annual AM Plan progress update is underway			

	Enhanced Roads Service Area Asset Management Plan – Non-core Assets								
Task No.	Work Plan Task	Asset Class	Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)		
CORP- 01	Assess the resources required to deliver a comprehensive Asset Management Plan for the Roads Service Area and prepare a business case	Traffic Signal System, Street Lighting, Sidewalks, Trails/Cycling Facilities, Street Signs, Noise Walls, Retaining Walls, Retaining Walls, Municipal Fleet and Equipment and Municipal Parking Infrastructure	2021- 2023	High	<i>O. Reg. 588/17</i> requires asset management plans for non- core assets by July 1, 2024 The establishment of management plans for these assets will allow the Service Area to find efficiencies in planning and coordination activities	Internal	Ongoing: BR 8565 AM Program identified several resources for the Roads Service Area. The need for additional resources may be brought forward by certain Business Units.		
SOI-02	Develop the asset hierarchy and data model for the assets within the Roads Service Area	Same as above	2021- 2022	High	The asset hierarchy is required to establish the relationships between the individual asset types and the service they provide	Internal	Ongoing: Asset hierarchy for non- core assets within Roads Service Area underway Not started: Data model still to be developed		
SOI-03	Catalogue all high priority asset types within the City's GIS environment	Same as above	2021- 2023	High	Developing the catalogue, inventory and data model will enable the service area to better manage the data	Internal	Ongoing: Lidar RFNP closed, proposals are being evaluated and vendor to be selected shortly		

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

	Enhanced Roads Service Area Asset Management Plan – Non-core Assets									
Task No.	Work Plan Task	Asset Class	Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)			
SOI-04	Review replacement cost models and develop a sustainable framework for periodically updating and reporting on replacement cost values	Same as above	2021- 2023	Medium	Replacement costs contained within CityWide, the City's Tangible Capital Asset System are based on historical costs. Replacement and renewal costs change over time and may be significantly understated	Internal/ External	Ongoing: Some asset classes are contained within CityWide software used for Tangible Capital Asset reporting			
SOI-05	Develop condition assessment framework for all high priority assets identified	Same as above	2021- 2023	High	Provides a consistent approach to collect information that will allow service groups to identify and prioritize infrastructure needs	Internal/ External	Ongoing: Some asset classes have condition assessment framework such as noise walls, retaining walls.			
SOI-07	Use of LiDAR for data collection of non-core assets in the right of way	Same as above plus all other assets within the right of way	2021- 2024	High	Having accurate information about the location of each asset will be used to better plan inspection, renewal and replacement activities The activity will also serve to validate the accuracy of existing asset inventory information	External	Ongoing: Lidar RFP just closed and proposals are being evaluated.			

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

	Enhanced Roads Service Area Asset Management Plan – Non-core Assets								
Task No.	Work Plan Task	Asset Class	Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)		
SOI-08	Expanding use of Infor Contract Management and Infor Mobile Technology	Same as above	2022- 2024	Medium	This activity facilitates the allocation of capital costs to the appropriate asset type and provides for better lifecycle costing and valuation Will also reduce processing time for TCA reporting	Internal	Ongoing: Infor Mobile collector tool has been implemented for several asset types.		
RIS-01	Develop a Risk Assessment Framework for all priority assets within the Roads Service Area	Same as above	2021- 2023	Medium	A risk framework will enable the Roads Service Area to better prioritize funding availability across asset classes	Internal/ External	Ongoing: Interim funding prioritization model has been implemented Not Started: The development of a formalized risk assessment framework has not been started		
LOS-01	Define the Customer and Technical Levels of Service	Same as above	2021- 2023	Medium	Developing level of service and other metrics enable the City to better communicate asset performance and their impact on the services they provide	Internal	Ongoing: Technical levels of service have been defined for some assets. Technical LOS for other assets still to be defined. Customer LOS have not been defined.		

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

	Enhanced Roads Service Area Asset Management Plan – Non-core Assets									
Task No.	Work Plan Task	Asset Class	Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)			
LOS-02	Define target level of service for all major asset categories	Same as above	2024	Medium	In addition to being required to meet <i>O. Reg. 588/17</i> , having levels of service established will enable the Service Area to track progress against targets	Internal	Not started			
LMGT- 01	Document lifecycle management activities and strategies for each new asset type	Same as above	2022- 2023	Medium	Lifecycle management activities and strategies are required in order to determine the appropriate investment decisions	External/ Internal	Not started			
RIS-01	Develop and implement an asset risk framework for a variety of asset types	Same as above	2022- 2024	Medium	Provides weighting factors to enable the prioritization of capital projects against risk	External/ Internal	Not started			
ASA-01	Prepare asset needs analysis to determine long-term capital renewal, replacement and expansion programs for all new asset types	Same as above	2022- 2023	Medium	Developing a needs analysis for all major asset types will ensure that the Roads service area is taking into consideration all lifecycle costs	External/ internal	Not started			
LMGT- 02	Levering asset management data to drive business plans and budgets	Same as above	2023- 2024	Medium	Aligns asset information that directly impacts budget decisions and planning	Internal	Not started			

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service

	Enhanced Roads Service Area Asset Management Plan – Non-core Assets								
Task No.	Work Plan Task	Asset Class	Timing	Priority (High/ Medium /Low)	Target Benefits	Required Resources	Status (Complete/Ongoing Not started)		
IGC-01	Work with Corporate Finance to formalize performance targets and sustainable funding scenarios for non-core assets	Same as above	2021- 2024	Medium	<i>O. Reg. 588/17</i> requires Service Level Targets by 2025	Internal	Not started		
CIM-01	Update the Maturity Assessment and Continuous Improvement Plan and report back to Leadership Team	Same as above	2021- 2023	High	Providing Leadership Team and Council with regular updates on the progress made towards Asset Management Planning will ensure that we continue to mature in our asset management practices	Internal	Ongoing Non-core asset maturity assessments underway. To be completed by Q3 in 2022		

Appendix 2

10.11

OSIM –Ontario Structure Inspection Manual PQI –Pavement Quality Index BCI –Bridge Condition Index

LOS -Level of Service