

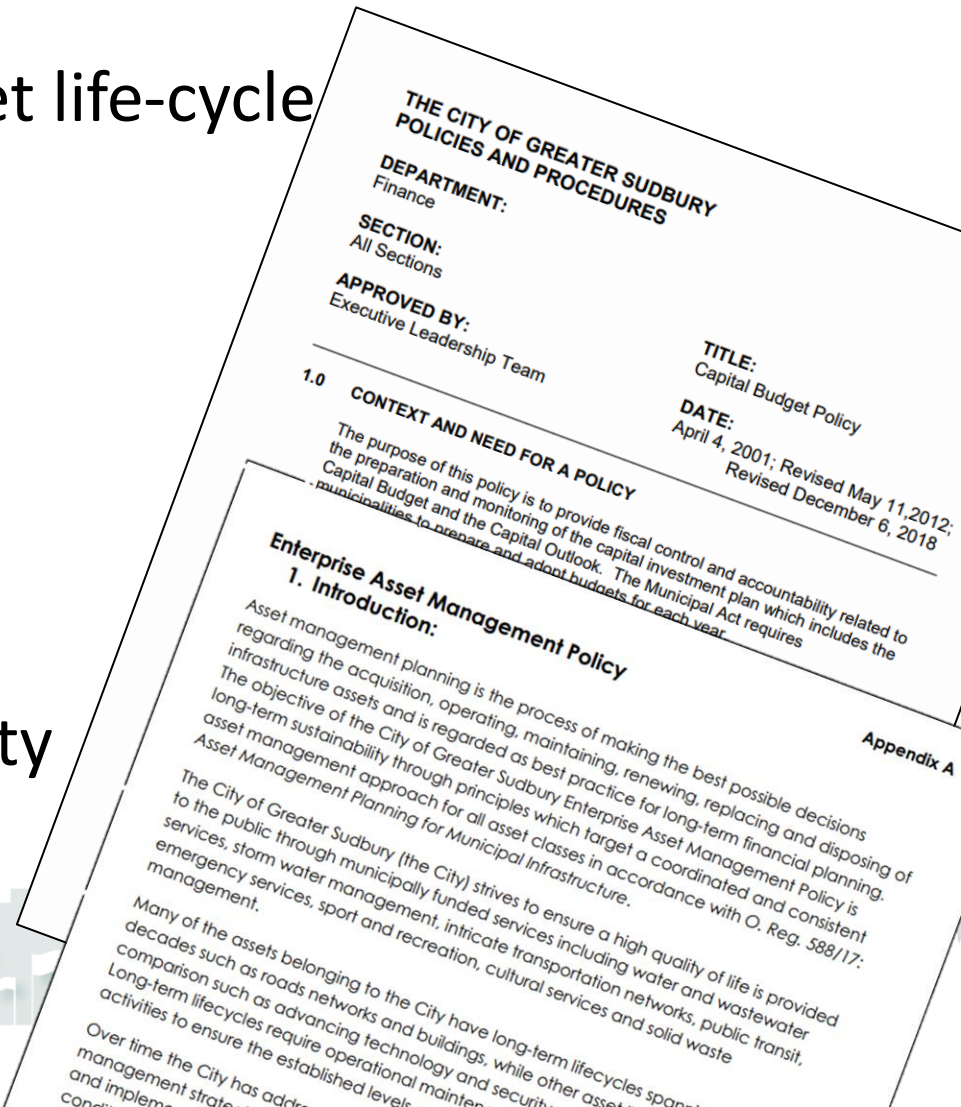
Capital Investment Prioritization

Allocating the 2020 Capital Levy



We started with Asset Management Principles

- Minimize cost of ownership over the full asset life-cycle
- Meet legislative and customer expectations
- Reduce maintenance costs
- Manage risk of asset failure
- Shrink our asset “footprint”
- Minimize impact on the natural environment
- Protect public and employee health and safety



We defined service levels

- Services and service levels place demands upon assets:
 - Number and style of trucks for standard winter control service level
 - Building condition and features required by housing clients
 - Number and type of apparatus required to meet emergency response service levels
 - Size and condition of linear infrastructure to meet drinking water quality guidelines and distribution requirements
 - Meeting various legislated requirements like accessibility, health and safety, building code, designated substances etc.



We're collecting volumes of asset information

- Ontario Reg. 588-17
- Building Condition Assessments
- Bridge Condition Index from Structural Inspections
- Storm and Sanitary CCTV inspections
- Roads pavement condition index
- Potential for Safety Improvements
- Hours, mileage, estimated economic useful life for Fleet
- Assessments of outdoor playing surfaces and structures

We created a single tool to prioritize

- Strategic Priority – 26%
- Leveraging Funding – 12%
- Risk Management – 44%
- Asset Renewal / Restoration – 18%

Project Name		Tub Lift Replacements			
Department	Community Development	Asset Class	Equipment	Prepared By	
Special Project Type		Asset at or Beyond End of Life			
Special Projects are those that are studies, new assets (not replacements), assets at, or beyond their useful life					
Project Description/Scope for Budget Document					
<ul style="list-style-type: none"> • What will this project accomplish? Clearly identify project objectives and project limitations including items that are out of scope • Identify the stakeholders that will be affected by this project, if required • Give adequate details on the project to assist the committee in their review of the scoring • Please provide the stage that this project is at - Conceptual, Preliminary Design, Detailed Design, Feasibility, Pre-Feasibility • What risks are there that this project will not be completed as described • Please provide the confidence level in your assessment of success of this project at the forecasted cost 					

Project Name		Disaster Mitigation and Adaptation Fund			
Department	ICP	Asset Class	Roads Infrastructure	Prepared By	P Javor
Special Project Type		Asset at or Beyond End of Life			
Special Projects are those that are studies, new assets (not replacements), assets at, or beyond their useful life					
Project Description/Scope for Budget Document					
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First provide a project description/scope that would be acceptable in the budget document.					

PROJECT DESCRIPTION/SCOPE for BUDGET DOCUMENT	<p>The City was successful in obtaining external funding in a joint application with Conservation Sudbury to the Disaster Mitigation and Adaptation Fund (DMAF) by Infrastructure Canada. This program provides 40% of the costs towards projects that add value to the city in Junction Creek. The City projects that require Capital Budget include the reconstruction and reprofiling of Junction Creek inlet of the downtown box culvert at Lloyd Street north to the CN tracks that cross Notre Dame and a stormwater management system on the Nickeldale branch of Junction Creek. Both of these projects will help to improve flood resiliency in the Flourmill and Sudbury area and enhance the existing environmental condition. The City currently has a budget of ~\$2.15M which provides the necessary capital for the program until 2022, including detailed design, approvals and a portion of construction. We are seeking approval of the remaining needs to see the DMAF program to its end.</p>
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Each year we create a capital plan and outlook

- Recommended plan 5-year outlook

Projects

2020 Capital Project List

R - Racor

		Capital Project Cost							Total Recommended Funding					
Page	Capital Project	Total Project	2020	2021	2022	2023	2024	Beyond	Total Funding	Annual Contribution to Capital	Capital Reserves	Obligatory Reserves	Development Charges	Federal Grant
	GROWTH & INFRASTRUCTURE													
	INFRASTRUCTURE CAPITAL PLANNING													
	ROADS													
397	Annual Recurring Road Programs & Projects	5,075	5,075	-	-	-	-	-	5,075	4,475	-	-	-	-
398	Arterial/Collector Roads Rehabilitation & Resurfacing	23,450	14,450	9,000	-	-	-	-	23,450	5,235	-	-	-	18,215
399	Arterial/Collector Roads Rehabilitation & Resurfacing	35,315	10,265	24,050	1,000	-	-	-	35,315	14,534	-	-	-	1,466
400	Bridges & Culverts Replacement & Rehabilitation	15,600	12,000	1,800	1,800	-	-	-	15,600	2,614	-	-	-	-
401	Bridges & Culverts Replacement & Rehabilitation	17,650	7,000	2,800	7,850	-	-	-	17,650	464	-	-	-	-
402	Capital Project Delivery Resources	717	234	239	244	-	-	-	717	717	-	-	-	-
402	Complete Streets Design Guidelines	50	50	-	-	-	-	-	50	50	-	-	-	-
403	Cycling Infrastructure	4,500	750	750	750	750	750	750	4,500	4,500	-	-	-	-
403	GIS Database & As-built Drawing Updates	773	233	238	244	58	-	-	773	773	-	-	-	-
404	Lively Sewer Upgrades - Phase 2	8,400	3,400	1,000	4,000	-	-	-	8,400	5,000	-	-	-	-
405	Local Roads Rehabilitation & Resurfacing	5,270	5,270	-	-	-	-	-	5,270	-	-	-	-	-
405	Lorne Street (MR55)	10,616	559	559	559	559	559	7,823	10,616	10,616	-	-	-	-
406	Maley Drive Extension	5,322	2,285	2,285	753	-	-	-	5,322	5,322	-	-	-	-
406	MR35	46,404	1,934	1,934	1,934	1,934	1,934	36,737	46,404	46,404	-	-	-	-
407	New Sidewalks	3,600	600	600	600	600	600	600	3,600	3,600	-	-	-	-
407	Road & Water/Wastewater Improvements	3,780	450	3,330	-	-	-	-	3,780	1,820	-	-	-	-
408	Road & Water/Wastewater Improvements	8,690	3,340	5,350	-	-	-	-	8,690	4,094	-	-	-	-
409	Sidewalks - Existing Repairs	400	400	-	-	-	-	-	400	400	-	-	-	-
409	Subdivision Surface Asphalt	5,000	1,000	1,000	1,000	1,000	1,000	-	5,000	750	-	4,250	-	-
410	Surface Treatment	5,000	5,000	-	-	-	-	-	5,000	1,275	-	-	-	-
411	Traffic Signal System Renewal	3,902	57	1,233	984	913	715	-	3,902	1,054	-	-	-	1,951
412	Transportation Demand Management	300	50	50	50	50	50	50	300	300	-	-	-	-
	TOTAL - ROADS	209,815	74,402	56,217	21,767	5,863	5,607	45,959	209,815	113,998	-	4,250	-	21,632
	DRAINS													
412	Countryside Drainage Improvements - Phase 2	1,200	1,200	-	-	-	-	-	1,200	771	-	429	-	-

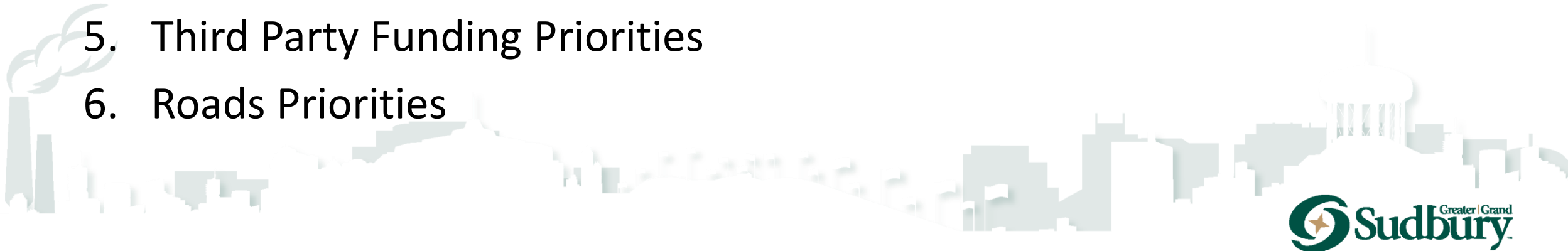
2021-2024 Capital Outlook

in thousands

Capital Project	Capital Outlook			
	2021	2022	2023	2024
GROWTH & INFRASTRUCTURE				
INFRASTRUCTURE CAPITAL PLANNING				
ROADS				
Annual Recurring Road Programs & Projects	6,000	5,200	5,900	5,200
Arterial/Collector Roads Rehabilitation & Resurfacing	1,150	29,000	30,000	30,000
Asphalt Patching Machine	400	-	-	-
Bridges & Culverts Replacement & Rehabilitation	11,500	10,200	15,000	15,000
Depot Master Plan - Black Lake Depot Salt Dome - Note 1	2,310	4,620	-	-
Depot Master Plan - Depot & Public Works Administrative Upgrades	-	-	-	1,500
Depot Master Plan - Frobisher Administration Depot	-	-	9,470	9,470
Depot Master Plan - Frobisher Depot Salt Dome	2,680	5,360	-	-
Depot Master Plan - Frobisher Works Facility	-	-	-	9,825
Depot Master Plan - St Clair Depot Facility	-	-	-	2,875
Depot Master Plan - St Clair Depot Salt Dome	3,387	6,773	-	-
Depot Master Plan - Suez Depot Facility	-	-	2,505	2,505
Depot Master Plan - Suez Salt Dome	2,170	4,340	-	-
Depot Master Plan - Vehicle Storage Facility	-	-	-	3,730
Depot Master Plan - Waste Management Vehicle Storage Facility	-	-	-	515
Depot Master Plan - Whitefish Depot Salt Dome	707	1,413	-	-
East West Corridor Design (includes Four Corners/Ramsey Lake/Alternate Access)	-	-	-	2,000
East West Corridor EA (includes Four Corners/Ramsey Lake/Alternate Access)	-	150	350	-
Existing Sidewalk Repairs	400	400	400	400
Four Corners Improvements	-	-	-	21,000
John Street Valley East Easterly Extension	-	-	-	2,185
Kingsway Realignment - EA and Design	-	500	500	500
Kingsway Realignment - Construction (2024-2028)	-	-	-	6,000
Local Roads Rehabilitation & Resurfacing	5,210	5,000	5,000	5,000
Lorne Street - Note 2	8,300	5,800	9,200	9,200
Maley Drive Extension - Phase 2 (2023-2028)	-	-	11,667	11,667
New Traffic Lights	-	-	-	4,030
New Traffic Signals - Regent & Douglas	-	-	-	180
North South Arterial Road EA Study (Notre Dame and Barry Downe)	-	-	-	500
Notre Dame Widening - Lasalle to Kathleen	-	-	-	15,450
Road with Water/Wastewater Improvements	2,050	9,100	10,000	10,000
Surface Treatment	5,000	5,000	5,000	5,000
Transportation Master Plan Update	-	-	250	-
TOTAL - ROADS	51,263	92,857	105,242	173,732
DRAINS				
Stormwater Management Regreening	125	125	150	150
St. Agnes Street Stormwater Quality Facility	150	1,500	-	-
Ellen Street at Laurie Street West Stormwater Quality facility	-	-	150	2,000
Whitson River Stormwater Management	500	2,500	500	2,500

We have a thoughtful, objective method to prioritize any new funding

- Allowed for the design of several potential scenarios for investment of the 1.5% Capital Levy:
 1. Transformational Renewal
 2. Community Priorities
 3. Asset Renewal / Restoration
 4. Strategic Priorities
 5. Third Party Funding Priorities
 6. Roads Priorities



Recommendation

- Approve the use of the \$4.1 million capital levy to debt finance \$80 million of asset investment
- Scenario 1 – Transformation (Pioneer Manor Bed Redevelopment and Lorne St. MR 55)

