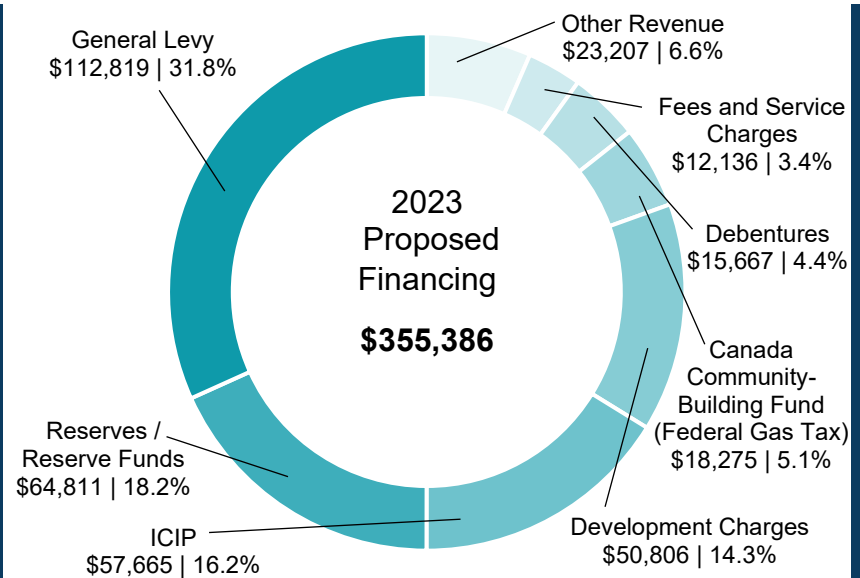
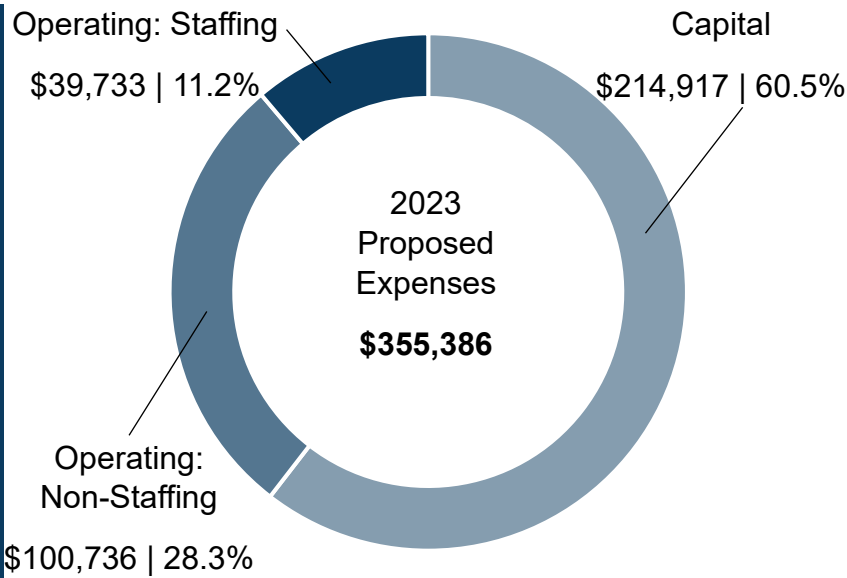


Plans, designs, constructs, operates, and maintains Regional roads, bridges, traffic signals and facilities. Responsible for the collection, processing and disposal of garbage, recyclables and compost, the collection of special waste such as electronic and household hazardous waste, and the operation of the Durham York Energy Centre



Amounts are in \$,000's

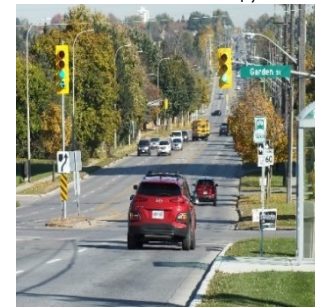


Table of Contents

Major Programs and Services

Strategic Priorities

Key Targets for 2023

Financial Details: Summary by Account
 Summary by Program
 Summary of Capital

Details of Budget Changes

Staffing Details

Looking Forward

Appendix A: 2023 Regional Roads and Infrastructure Capital Projects

Appendix B: 2023 – 2032 Regional Roads and Infrastructure
 Capital Forecast

Appendix C: 2023 Solid Waste Management Capital Projects

Appendix D: 2023 - 2032 Solid Waste Management Capital Forecast

Major Programs and Services

Regional Roads and Infrastructure

Winter Control

Reduce the hazards of winter conditions on the Regional road network by responding to winter events in a timely manner, lessening impacts on economic activity and improving quality of life for residents and businesses. Includes snow plowing, salting and anti-icing measures and condition monitoring through road patrols and advanced monitoring technologies to assess and address rapidly changing road conditions. Additional activities include snow removal in commercial areas, drainage, and spring cleanup activities.

Roadside Maintenance

Maintain the Regional road network efficiently and effectively to reduce or eliminate hazards to Regional road users. Includes filling potholes, dust control applications and priming of road shoulders to control erosion, maintaining brush and vegetation, cleaning and regrading ditches, culverts and catch basins, and boulevard maintenance.

Storm Sewers

Maintain and operate the Regional storm sewer collection system efficiently and in a cost-effective manner to prevent unnecessary damage to public and private properties and pollution to the environment. Includes repair of maintenance holes, cleaning, installing and repair of storm sewer service connections within the road allowance and visual and closed-circuit camera inspection of the maintenance holes and sewers.

Traffic Signals and Systems

Install, maintain, and operate the Region's network of traffic control signals and associated devices to support the safe and efficient movement of motorists, cyclists, and pedestrians. Includes the installation and maintenance of traffic control devices and beacons, central traffic control system devices, closed circuit television and associated communication and intelligent transportation systems technology.

Traffic Signs, Markings and Roadside Protection

Improve safety and convenience for the users of the Regional road network while promoting the efficient movement of people and goods. Includes the design, manufacture, and installation of regulatory, warning and information signage, the installation and maintenance of guiderails, detour route and traffic control planning for roadworks and the application of lane line markings.

Major Programs and Services Continued

Traffic Engineering and Central Control Systems

Supports the safe and efficient movement of traffic on the Regional road network through the provision of project management, functional planning and engineering studies, traffic signal design, and custodianship of the Region's Traffic By-laws. Includes the operation of the computerized central traffic control system and the development and management of Intelligent Transportation Systems, administration of the Red-Light Camera and Automated Speed Enforcement programs, undertaking road safety studies and implementation of recommendations supporting the Region's Vision Zero initiative.

Engineering and Staff Support

Support the delivery of capital projects and initiatives through design and construction activities, real estate services including land and lease acquisitions/management to all Regional programs, maintain linear infrastructure data within GIS systems, and providing financial and administrative support services to all divisions within the Works Department.

Facilities Management

Provide overall lifecycle management of all Regional facilities. Services include the design and construction of new Regional, Durham Regional Local Housing Corporation and Durham Regional Police Service facilities and leasehold improvements, lifecycle maintenance and replacement strategies for Regional facilities, corporate security services, and the ongoing and preventative maintenance and overall operation of Regional facilities, properties, and grounds.

Regional Forest

The Regional Forest, consisting of six tracts totaling approximately 598 hectares, is managed under contract by the Lake Simcoe Region Conservation Authority. The forest, a significant environmental asset, provides natural habitat for wildlife, maintenance of water levels and stream flows, prevention of erosion and floods and a space for nature appreciation and use through hiking, walking, cross-country skiing, mountain biking and horseback riding.

Depot Operations

Support the delivery of road maintenance activities including winter control, and roadside and storm sewer repairs and cleaning.

Fleet Operations

Support the acquisition, lifecycle management and maintenance of the Region's fleet of vehicles and equipment, excluding those operated by Durham Regional Police Service and Durham Region Transit. Ensures compliance with the requirements of the Highway Traffic Act and the Commercial Vehicle Operations Registration (CVOR) Program.

Major Programs and Services Continued

Fleet Clearing

Maintain the Region's fleet of vehicles and equipment, excluding those operated by Durham Regional Police Service and Durham Region Transit. Costs accumulated in this program are allocated out to programs and activities through a combination of direct charges and hourly vehicle utilization rates.

Payroll Clearing

Resources that undertake the maintenance of the Region's road network, traffic signals, line markings, roadside signage and underground water and sewer infrastructure, provide utility locating services, conduct traffic data mapping and analysis and undertake water meter repairs. Costs accumulated in this program are allocated out to various activities within other Works Department maintenance programs through work orders generated for these activities.

Administration

Provide the overall strategic planning and direction to all programs within the Works Department – Regional Roads and Infrastructure.

Headquarters Shared Costs – Regional Roads and Infrastructure Portion

The allocated share of costs attributable to the Works Department – Regional Roads and Infrastructure for the operation of Regional Headquarters facility.

Construction of Municipal Services

Plan, design and construction of the Regional road and infrastructure major capital program.

Solid Waste Management

Oshawa Waste Management Facility

Operate this facility, with the objective of protecting and enhancing the environment by providing a safe, convenient, and cost-effective location to receive residential waste for reuse, recycling, composting or disposal. This location receives and transfers garbage, e-waste, compostable material, municipal hazardous and special waste and delivers a paint re-use program.

Scugog Waste Management Facility

Operate this facility, with the objective of protecting and enhancing the environment by providing a safe, convenient, and cost-effective location to receive residential waste for reuse, recycling, composting or disposal. This location receives and transfers garbage, e-waste, compostable material, and municipal hazardous and special waste.

Major Programs and Services Continued

Brock Waste Management Facility

Operate this facility, with the objective of protecting and enhancing the environment by providing a safe, convenient, and cost-effective location to receive residential waste for reuse, recycling, composting or disposal. This location receives and transfers garbage, e-waste, compostable material, and municipal hazardous and special waste.

Pickering Waste Management Facility

Use of this private waste transfer facility, with the objective of protecting and enhancing the environment by providing a safe, convenient, and cost-effective location to receive municipal hazardous and special waste.

Clarington Environmental Facility

Operate this facility, with the objective of protecting and enhancing the environment by providing a safe, convenient, and cost-effective location to receive municipal hazardous and special waste.

Durham Material Recovery Facility

Operate this facility through a third-party service provider, with the objective of protecting and enhancing the environment through the safe and cost-effective receipt and processing of recycling material collected as part of the curbside program and at the Region's Waste Management Facilities. Recyclable materials processed at this facility are packaged for transport to end markets.

Durham York Energy Centre

Operate this facility through a third-party service provider, providing a local long-term solution for the responsible management and disposal of residual municipal solid waste through thermal treatment for the Regions of Durham and York. Revenue is generated through the sale of materials recovered and energy generated from the thermal process.

Collections, Processing, and Disposal Services

Deliver the Region's curbside waste collection programs to residential, multi-residential and some small businesses. Services delivered across the Region include garbage, blue box, organics and leaf and yard waste collection, along with bulky waste collection and disposal as part of an integrated collection program. The City of Oshawa and Town of Whitby administer their own curbside garbage, green bin, and bulky waste collection services—the Region is responsible for all curbside blue box recycling collection.

Major Programs and Services Continued

Waste Administration

Support the delivery of capital initiatives through design and construction activities, undertaking studies to explore diversion opportunities and manage landfills, oversee contracted services, and provide administrative and technical support to the Region's Solid Waste Management programming.

Administration

Provide the overall strategic planning and direction to all programs within the Works Department – Solid Waste Management.

Facilities Management

Provide overall lifecycle management of all Regional facilities. Includes the design and construction of Regional waste facilities, lifecycle maintenance and replacement strategies, corporate security services, and the ongoing and preventative maintenance and overall operation of Regional facilities, properties, and grounds.

Headquarters Shared Costs - Solid Waste Management Portion

The allocated share of costs attributable to the Works Department – Solid Waste Management for the operation of Regional Headquarters facility.

Regional Corporate Costs

Support services across the organization are provided to support the delivery of Solid Waste Management programs and services. This program also captures the annual reserve fund contribution, setting aside sustainable funding for future solid waste capital and operating initiatives, and to mitigate significant financial impacts.

Waste Management Centre

Provide support and information to residents related to the Region's Solid Waste Management programs and services. Includes responding to social media, telephone, waste app and email inquiries, providing in-person customer service for bin exchanges and bin and bag tag sales, administering the Region's call-in waste collection services, providing by-law enforcement services, and collecting data and inventory information to support continuous improvement of Durham's waste collection programs.

Major Programs and Services Continued

Community Outreach

Promote and encourage participation in the Region's waste management and waste diversion programs. Includes sharing information on multiple media platforms including radio, television, print, internet, and public space advertising, promoting waste reduction and diversion through the development of school curriculum material and waste facility tours, and through public events including waste fairs, compost events and participation in Waste Reduction Week.

Environmental Studies

Protect and enhance the environment through the management, monitoring, and inspection of former landfill sites within the Region ensuring full environmental compliance. Includes examination of monitoring results, preparation of annual technical reports, undertaking site improvements, ground and surface water testing and undertaking any amendments to Environmental Compliance Approvals for landfill and waste management facility operations.

Blue Box Revenues and Subsidies

Includes the proceeds from the sale of newspaper, cardboard, steel, aluminum, and glass to end markets, along with Stewardship Ontario's Resource Productivity and Recovery Authority funding.

Major Capital Projects

Consolidated capital program for Solid Waste Management.

Strategic Priorities

For 2023 key priorities and planned actions focus on:

Environmental Sustainability



Accelerate the adoption of green technologies and clean energy solutions through strategic partnerships and investment with internal and external partners and academic institutions. The Region, with the assistance of the Toronto Atmospheric Fund received federal funding to deliver deep energy building retrofits of Durham Regional Local Housing Authority's senior's housing portfolio to reduce energy consumption and carbon emissions under FCM's Sustainable Affordable Housing program. Deep energy retrofit work is also being undertaken at the Region's 101 Consumers Drive facility



Increase resource recovery through the implementation of the Long-Term Waste Management Plan, and continued promotion of the use of recycled materials in construction projects



Protect, preserve and restore the natural environment including greenspaces, waterways, parks, trails, and farmlands by exploring alternative winter de-icing materials to minimize salt impacts; integrating environmentally sensitive solutions and practices; exploring low water/low mow landscaping options at Regional sites; increasing restoration measures for impacted areas from construction projects; continue controlled-harvest practices in all Durham Region Forest tracts; and ensuring site plan development preserve natural features and favour native plant restoration



Demonstrate leadership in sustainability and climate change action by mitigating the environmental impacts of projects and continuing to showcase environmental awareness and the importance of Regional assets, such as the Regional Forest. The continued focus on mitigation or improvement to the environment, as demonstrated in the award winning Victoria Street Reconstruction and Widening project will be reflected in ongoing project design work

Strategic Priorities Continued



Expand sustainable and active transportation by promoting transit and cycling; identifying and prioritizing road maintenance and winter response on primary cycling routes; embracing sustainable urban design principles; increasing availability of EV charging stations at Regional facilities; and exploring alternative fuels for the Regional fleet. The Region has installed 109 charging stations to date at various locations, with 59 dedicated to fleet/workplace charging. Design work has commenced for the new Bus Maintenance Facility in Oshawa, targeting net zero



Support rapid transit initiatives through the design and construction of dedicated transit lanes on Regional Roads



Implement measures aimed towards increasing organic and recyclable materials from curbside collection activities through ongoing community outreach, included ongoing education programs at the elementary, secondary and post-secondary level

Community Vitality



Revitalize existing neighbourhoods and build complete communities that are walkable, well-connected, and have a mix of attainable housing through the expansion of the Regional cycling network. In support of Durham Regional Local Housing, staff are engaged in the redevelopment and revitalization of community housing sites that will maximize transit-oriented development opportunities. Community consultation for the Ritson School redevelopment will take place throughout the year to determine the community's service needs and vision for the site



Enhance community safety and well-being with improvements to road traffic safety by advancing projects that are part of the Durham Vision Zero initiative

Strategic Priorities Continued



Support diversity and inclusion through updated building amenities and accessibility improvements, including the construction of all gender washroom facilities and the installation of a lift between the lower galleria and upper galleria in Regional Headquarters



Position Durham Region as the location of choice for business by servicing strategic Employment Lands; streamlining review and payment processes; and planning for growth

Economic Prosperity



Better connect people and move goods more effectively by constructing and maintaining an efficient goods movement network; supporting the Bowmanville GO extension, Highway 2 Bus Rapid Transit and Simcoe Street Rapid Transit networks; and rationalizing the Region's building footprint through ongoing Master Accommodation Planning, centralizing Regional services at strategic facilities to reduce travelling time and increasing convenience for residents



Expedite the delivery of high-speed internet services to the rural and underserved communities across Durham Region by leveraging and expanding upon the existing Traffic Operations fibre network and supporting broadband construction being led by Durham OneNet Inc.

Social Investment



Support the revitalization of Durham Regional Local Housing Corporation sites, including advancing the redevelopment of underutilized Regional sites to facilitate modern, safe, mixed income communities while increasing the amount of affordable housing units. Engagement will commence in 2023 involving residents, the community, the City of Oshawa and all other interested parties to develop the vision and concepts for the redevelopment and revitalization work

Strategic Priorities Continued



Collaborate with departments and community organizations to advance housing supports across the Region, including the design and construction of modular supportive housing, microhomes and advancing land banking opportunities

Service Excellence



Optimize resources and partnerships to deliver exceptional quality services and value by continuing a “customer first” focus. Shifting more services to an omnichannel service delivery mode as part of the MyDurham311 project. Completion of the first phase of the Workplace Modernization and Optimization project at Regional Headquarters, and design finalization and tendering of Phase 2 which includes the consolidation of front counter space on the main level of the building to improve customer access and building security



Demonstrate commitment to continuous quality improvement and transparency through public engagement on all major public works initiatives in real time



Drive innovation through the continued evolution of the Region’s Enterprise Maintenance Management System to increase efficiency in maintenance operations while collecting accurate and timely life cycle costs for analysis and planning; continued expansion of the Region’s Traffic Watch map tool to incorporate other activities such as real time snowplow routes and water main break repair updates; and continuing to explore and expand the use of artificial intelligence to monitor and report road conditions to trigger maintenance activities

Key Targets for 2023

Regional Roads and Infrastructure

- Maintain 2,517 lane kilometres of paved road surface
- Maintain 244 bridges and culverts greater than 3 metres; 1% inventory growth over prior year
- Maintain 328 kilometres of Regional storm sewers which includes 5,154 maintenance holes and 484 outfalls
- Maintain and operate 447 traffic signals
- Rotate 6 mobile cameras through 23 Automated Speed Enforcement sites, and administer 12 Red Light Camera sites and operate 6 fixed location Automated Speed Enforcement Cameras; Vision Zero collision reduction goal is a 10% reduction in fatal injury collision over a 5-year period
- Apply 4,804 kilometres of line painting and pavement markings on Regional roads
- Maintain and operate over 440,000 square metres of facility space
- Construction funding for 19.5 centreline kilometres of new cycling facilities included with Region road projects

Solid Waste Management


- Serve 335,000 visitors at the Region's Waste Management facilities
- Collect 34,100 tonnes of material at the Region's Waste Management facilities
- Recycle, compost or re-use 6,600 tonnes of material collected at the Region's Waste Management facilities
- Process 40,700 tonnes of recyclable materials through the Region's Material Recovery Facility
- Generate 110,550 megawatts of energy at the Durham York Energy Centre
- Collect 45,600 tonnes of recyclable material through the curbside blue box recycling program

Key Targets for 2023 Continued

- Collect 62,300 tonnes of organic material through the curbside green bin and leaf and yard waste programs
- Collect 126,000 tonnes of garbage material through the curbside program
- Complete 90,000 public interactions through the Waste Management Centre
- Reach 1,500 students through school engagement activities
- Deliver communications regarding waste programs including:
 - 1,500 radio advertisements broadcast;
 - 120,000 waste collection calendars distributed;
 - 475 television advertisements broadcast; and
 - 125,000 waste collection reminders issued via the Durham Waste app


Financial Details: Summary by Account (\$,000's)

Provides the gross expenditures and revenues - including both operating and capital - and the resulting net property tax requirement

	2022 Estimated Actuals	2022 Approved Budget (Restated)	2023 Proposed Budget	Variance	
				\$	%
Expenses					
Operating Expenses					
Personnel Expenses	34,562	37,637	39,733		
Personnel Related	1,290	1,279	1,631		
Communications	1,540	1,680	1,541		
Supplies	2,226	1,824	1,939		
Utilities	674	656	740		
Computer Maintenance & Operations	196	322	364		
Materials & Services	13,819	11,730	13,010		
Buildings & Grounds Operations	1,827	1,825	1,838		
Equipment Maintenance & Repairs	575	531	525		
Vehicle Operations	10,133	7,472	9,006		
Professional Services	1,438	2,247	2,431		
Contracted Services	62,098	59,379	70,187		
Leased Facilities Expenses	194	193	193		
Financial Expenses	534	544	591		
Property Taxes	1,024	1,024	1,049		
Minor Assets & Equipment	127	127	100		
Major Repairs & Renovations	236	246	306		
Contribution to Reserves / Reserve Funds	6,652	6,627	6,628		
Headquarters Shared Costs	889	889	1,283		
Operating Expenses Subtotal	140,034	136,232	153,095	16,863	12.4%


Financial Details: Summary by Account (\$,000's)

Provides the gross expenditures and revenues - including both operating and capital - and the resulting net property tax requirement

	2022 Estimated Actuals	2022 Approved Budget (Restated)	2023 Proposed Budget	Variance	
				\$	%
Internal Transfers & Recoveries					
NextGen Charges	26	26	26		
Communication Charge	71	71	72		
Departmental Charges	1,460	1,460	1,544		
Corporate HR Charge	50	50	50		
Works - General Tax Charge	338	338	338		
Works - Ajax WSP	2	2	2		
Recovery - Social Housing	(133)	(133)	(134)		
Recovery - Regional Environmental Lab	(50)	(50)	(50)		
Recovery - Fleet	(12,867)	(12,867)	(14,474)		
Internal Transfers & Recoveries Subtotal	(11,103)	(11,103)	(12,626)	(1,523)	(13.7%)
Gross Operating Expenses	128,931	125,129	140,469	15,340	12.3%
Capital Expenses					
New	1,242	1,231	15,773		
Replacement	17,662	17,662	14,866		
Major Capital	157,960	399,960	184,278		
Capital Expenses Subtotal	176,864	418,853	214,917	(203,936)	(48.7%)
Total Expenses	305,795	543,982	355,386	(188,596)	(34.7%)
Operating Revenue					
Provincial Subsidy General	(8,402)	(8,397)	(8,267)		
Fees & Service Charges	(13,201)	(12,828)	(12,136)		
Sale of Publications	(892)	(605)	(1,081)		
Rents	(37)	(55)	(55)		
Sundry Revenue	(7,643)	(8,323)	(8,441)		
Revenue from Municipalities	(4,465)	(4,398)	(4,878)		
Investment & Interest Income	(110)	(110)	(110)		
Reserve Fund Financing for Operations	(9)	(9)	(9)		
Revenue from Related Entities	(39)	(160)	(320)		
Operating Revenue Subtotal	(34,798)	(34,885)	(35,297)	(412)	(1.2%)

Financial Details: Summary by Account (\$,000's)

Provides the gross expenditures and revenues - including both operating and capital - and the resulting net property tax requirement

	2022 Estimated Actuals	2022 Approved Budget (Restated)	2023 Proposed Budget	Variance	
				\$	%
Capital Financing					
ICIP Grant	(19,513)	(19,513)	(57,665)		
Federal Grant (Clean Fuels)	-	(70,000)	-		
Federal Grant (NRCan)	(58)	(58)	-		
Grant - Capital	(568)	(568)	-		
Roads - Residential DC	(51,633)	(51,633)	(41,108)		
Roads - Commercial DC	(5,855)	(5,855)	(4,698)		
Roads - Industrial DC	(10,000)	(10,000)	(5,000)		
Canada Community-Building Fund (Federal Gas Tax)	(15,117)	(25,117)	(18,275)		
Equipment Replacement Reserve	(5,185)	(5,185)	(7,679)		
Regional Roads Reserve	(10,260)	(10,260)	(8,892)		
Transit Capital Reserve Fund	(3,604)	(3,604)	(7,474)		
Waste Management Reserve Fund	-	(32,700)	(1,000)		
Roads Rehabilitation Reserve Fund	(27,210)	(27,210)	(27,710)		
Bridge Rehabilitation Reserve Fund	(5,525)	(5,525)	(5,525)		
Capital Impact Stabilization Reserve Fund	(12,196)	(12,196)	(5,847)		
Vision Zero Reserve Fund	(725)	(725)	(675)		
Recoveries from Others	(1,300)	(1,300)	(55)		
Region of Durham Debenture	-	(129,300)	(15,667)		
Capital Financing Subtotal	(168,749)	(410,749)	(207,270)	203,479	(49.5%)
Total Revenues and Financing	(203,547)	(445,634)	(242,567)	203,067	(45.6%)
Property Tax Requirement Works Department	102,248	98,348	112,819	14,471	14.7%

Financial Details: Summary by Program (\$,000's)

Provides the total operating expense, capital expense, subsidy, other revenue and the resulting property tax requirement for each major program and service

	2022 Estimated Actuals	2022 Approved Budgets (000)'s					2023 Proposed Budgets (000)'s					Variance	
		Operating Expenses	Gross Capital	Subsidy Funding	Other Funding	Approved Budget	Operating Expenses	Gross Capital	Subsidy Funding	Other Funding	Proposed Budget	\$	%
Regional Roads and Infrastructure													
1 Winter Control	15,435	11,326	-	-	-	11,326	11,803	-	-	-	11,803	477	
2 Roadside Maintenance	5,428	5,041	-	-	(75)	4,966	5,199	-	-	(85)	5,114	148	
3 Storm Sewers	125	163	-	-	(3)	160	198	-	-	(3)	195	35	
4 Traffic Signals and Systems	2,381	3,045	-	-	(800)	2,245	3,209	-	-	(999)	2,210	(35)	
5 Traffic Signs, Markings and Roadside Protection	3,817	3,788	-	-	(1,104)	2,685	3,856	-	-	(1,058)	2,798	113	
6 Traffic Engineering and Central Control System	3,749	5,418	-	-	(712)	4,706	6,026	-	-	(752)	5,274	568	
7 Engineering and Staff Support	5,299	7,515	382	-	(665)	7,231	8,806	381	-	(787)	8,400	1,169	
8 Facilities Management	4,543	4,810	12,651	(27)	(12,280)	5,154	5,197	21,672	-	(21,570)	5,299	145	
9 Regional Forest	-	240	-	-	(240)	-	237	-	-	(237)	-	-	
10 Depot Operations	5,099	5,143	331	-	(332)	5,142	5,907	21	-	(337)	5,591	449	
11 Fleet Operations	1	-	5,155	-	(5,155)	-	(6)	7,685	-	(7,679)	-	-	
12 Fleet Clearing	-	-	-	-	-	-	-	-	-	-	-	-	
13 Payroll Clearing	208	-	-	-	-	-	-	-	-	-	-	-	
14 Administration	414	464	-	-	-	464	505	-	-	-	505	41	
15 Headquarters Shared Cost - Regional Roads and Infrastructure Portion	667	667	-	-	-	667	767	-	-	-	767	100	
16 Construction of Municipal Services	6,200	-	157,510	(20,082)	(131,228)	6,200	-	183,278	-	(177,078)	6,200	-	
Regional Roads and Infrastructure Subtotal	53,366	47,620	176,029	(20,109)	(152,594)	50,946	51,704	213,037	-	(210,585)	54,156	3,210 6.3%	
Solid Waste Management													
1 Oshawa Waste Management Facility	385	3,322	107	(187)	(3,037)	205	3,383	257	(317)	(2,986)	337	132	
2 Scugog Waste Management Facility	38	947	-	(132)	(868)	(53)	998	-	(157)	(853)	(12)	41	
3 Brock Waste Management Facility	139	610	-	(116)	(351)	143	632	-	(119)	(369)	144	1	
4 Pickering Waste Management Facility	45	148	-	(119)	(12)	17	202	-	(112)	(11)	79	62	
5 Clarington Environmental Facility	122	239	-	(115)	(30)	94	255	-	(111)	(34)	110	16	
6 Durham Material Recovery Facility	-	369	-	-	(369)	-	369	-	-	(369)	-	-	
7 Durham York Energy Centre	9,813	21,755	20	(10)	(12,136)	9,629	24,148	-	-	(13,254)	10,894	1,265	

Financial Details: Summary by Program (\$,000's)

Provides the total operating expense, capital expense, subsidy, other revenue and the resulting property tax requirement for each major program and service

	2022 Estimated Actuals	2022 Approved Budgets (000)'s					2023 Proposed Budgets (000)'s					Variance	
		Operating Expenses	Gross Capital	Subsidy Funding	Other Funding	Approved Budget	Operating Expenses	Gross Capital	Subsidy Funding	Other Funding	Proposed Budget	\$	%
8 Collection Services													
(a) Garbage	5,600	5,408	-	-	-	5,408	6,841	-	-	-	6,841	1,433	
(b) Blue Box Curbside Recycle	12,261	11,775	-	-	-	11,775	13,859	-	-	-	13,859	2,084	
(c) Composting	3,900	3,708	-	-	-	3,708	5,049	-	-	-	5,049	1,341	
(d) Other Diversion	173	173	-	-	-	173	227	-	-	-	227	54	
9 Processing and Disposal Services													
(a) Garbage	2,218	2,090	-	-	-	2,090	2,866	-	-	-	2,866	776	
(b) Blue Box Curbside Recycle	4,775	4,775	-	-	-	4,775	6,179	-	-	-	6,179	1,404	
(c) Composting	8,400	7,834	-	-	-	7,834	8,986	-	-	-	8,986	1,152	
(d) Other Diversion	(4)	31	-	(10)	(26)	(4)	31	-	(21)	(27)	(17)	(13)	
(e) Diversion Promotional Items	381	381	-	-	-	381	477	-	-	-	477	96	
(f) Waste Composition Study	-	-	-	-	-	-	-	-	-	-	-	-	
10 Waste Administration	4,277	4,407	118	-	(21)	4,504	4,573	60	-	(22)	4,611	107	
11 Administration	463	473	-	-	-	473	503	-	-	-	503	30	
12 Facilities Management	2,370	2,357	129	(20)	-	2,465	2,458	563	-	-	3,021	556	
13 Headquarters Shared Cost - Solid Waste Management Portion	222	222	-	-	-	222	516	-	-	-	516	294	
14 Regional Corporate Costs	3,715	3,825	-	-	(110)	3,715	3,828	-	-	(110)	3,718	3	
15 Waste Management Centre	1,084	1,048	-	-	(89)	959	786	-	-	(114)	672	(287)	
16 Community Outreach	620	625	-	-	-	625	625	-	-	-	625	-	
17 Environmental Studies	350	394	-	-	-	394	395	-	-	-	395	1	
18 Blue Box Recoveries & Subsidies:													
(a) Industry Funding	(7,695)	-	-	(7,718)	-	(7,718)	-	-	(7,430)	-	(7,430)	288	
(b) Revenues - Diversion Materials	(5,220)	593	-	-	(5,455)	(4,862)	579	-	-	(4,566)	(3,987)	875	
19 Major Capital Projects	450	-	242,450	(70,000)	(172,000)	450	-	1,000	-	(1,000)	-	(450)	
Solid Waste Management Subtotal	48,882	77,509	242,824	(78,427)	(194,504)	47,402	88,765	1,880	(8,267)	(23,715)	58,663	11,261	23.8%
Works Department	102,248	125,129	418,853	(98,536)	(347,098)	98,348	140,469	214,917	(8,267)	(234,300)	112,819	14,471	14.7%

Financial Details: Summary of Capital (\$,000's)

Provides a summary of the current year capital budget, nine-year capital forecast and proposed financing summarized by asset type. See Appendices for specific capital projects

	2022 Approved Budget	2023 Proposed Budget	Forecast					Forecast Total
			2024	2025	2026	2027	2028-2032	
Regional Roads and Infrastructure								
Capital Expenditures								
Road / Structure Construction - Growth	61,260	39,570	60,058	89,863	81,800	89,450	402,221	723,392
Traffic Control & Other Programs - Growth	7,250	6,580	6,075	4,805	4,720	4,605	22,845	43,050
Transportation Plans & Studies - Growth	150	150	150	500	150	150	750	1,700
Investing in Canada Infrastructure Program (ICIP) Projects	32,310	78,638	50,422	5,455	-	-	-	55,877
Road Rehabilitation/Reconstruction Projects	38,660	38,660	47,000	47,000	47,000	47,000	235,000	423,000
Structure Rehabilitation / Replacement	12,760	13,725	25,555	16,660	14,510	14,435	53,485	124,645
Traffic Control & Other Programs - Non-Growth	3,435	3,740	3,648	3,539	3,487	3,460	18,855	32,989
Road & Traffic Safety Program (Vision Zero)	1,525	1,675	1,750	1,200	1,279	900	4,500	9,629
Cycling Infill Projects	160	540	900	900	1,000	1,000	7,500	11,300
Building & Structures	12,442	21,662	15,390	69,140	389	2,467	8,090	95,476
Machinery & Equipment	73	51	113	245	35	37	212	642
Information Technology Infrastructure	384	357	407	483	256	305	1,347	2,798
Vehicles	5,532	7,679	5,224	2,372	4,724	1,870	22,490	36,680
Furniture & Fixtures	88	10	136	10	11	10	20	187
Capital Expenditure Subtotal	176,029	213,037	216,828	242,172	159,361	165,689	777,315	1,561,365

Financial Details: Summary of Capital (\$,000's)


Provides a summary of the current year capital budget, nine-year capital forecast and proposed financing summarized by asset type. See Appendices for specific capital projects

Durham Budget 2023	2022 Approved Budget	2023 Proposed Budget	Forecast					Forecast Total
			2024	2025	2026	2027	2028-2032	
Capital Financing								
General Levy	7,310	6,767	9,016	7,191	7,044	9,075	40,971	73,297
Equipment Replacement Reserve	5,185	7,679	3,787	2,259	4,571	1,814	22,188	34,619
Capital Impact Stabilization Reserve Fund	12,196	5,847	-	-	-	-	-	-
Roads Rehab Reserve Fund	27,210	27,710	44,914	39,474	37,672	36,570	173,215	331,845
Bridge Rehab Reserve Fund	5,525	5,525	6,964	5,525	5,525	5,525	27,625	51,164
Regional Roads Levy	10,260	8,892	11,122	22,830	17,185	26,993	112,527	190,657
Vision Zero Reserve Fund	725	675	650	500	379	-	-	1,529
Transit Capital Reserve Fund	3,604	7,474	5,700	400	-	-	-	6,100
Residential Development Charges	51,633	41,108	45,495	57,516	55,965	54,236	255,381	468,593
Commercial Development Charges	5,855	4,698	5,199	6,573	6,396	6,198	29,186	53,552
Institutional Development Charges	-	-	1,101	1,269	698	677	3,102	6,847
Industrial Development Charges	10,000	5,000	11,013	7,935	6,326	6,001	25,120	56,395
Canada Community-Building Fund (Federal Gas Tax)	15,117	18,275	17,600	17,600	17,600	17,600	88,000	158,400
Grant - Capital	568	-	-	-	-	-	-	-
Federal Grant (NRCan)	28	-	-	-	-	-	-	-
Investing in Canada Infrastructure Program (ICIP) Grant	19,513	57,665	36,975	4,000	-	-	-	40,975
Recoveries From Others ¹	1,300	55	2,625	100	-	1,000	-	3,725
Debentures - User Rate Funded	-	15,667	14,667	69,000	-	-	-	83,667
Capital Financing Subtotal	176,029	213,037	216,828	242,172	159,361	165,689	777,315	1,561,365
Total Capital Regional Roads and Infrastructure	176,029	213,037	216,828	242,172	159,361	165,689	777,315	1,561,365

¹ Recoveries from Others includes:
 2022 - \$1.3 million in contributions from CP Rail
 2023 - \$55 thousand in contributions from CN Rail
 2024 - \$2.625 million in contributions from CN Rail
 2025 - \$100 thousand in contributions from the County of Simcoe
 2027 - \$1.0 million in contributions from the County of Simcoe

Financial Details: Summary of Capital (\$,000's)

Provides a summary of the current year capital budget, nine-year capital forecast and proposed financing summarized by asset type. See Appendices for specific capital projects

 Durham Budget	2023	2022 Approved Budget	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Solid Waste Management									
Capital Expenditures									
Building & Structures		242,260	1,510	7,701	21,125	4,500	2,450	365	36,141
Machinery & Equipment		143	310	707	257	257	107	535	1,863
Information Technology Infrastructure		100	60	67	74	68	57	341	607
Vehicles		20	-	300	-	-	-	-	300
Furniture & Fixtures		1	-	-	-	-	-	-	-
Studies		300	-	-	-	-	-	-	-
Landfill Remediation / Rehabilitation		-	-	-	1,000	6,448	125	3,650	11,223
Capital Expenditure Subtotal		242,824	1,880	8,775	22,456	11,273	2,739	4,891	50,134
Capital Financing									
General Levy		794	880	2,675	7,456	5,150	2,739	1,491	19,511
Climate Mitigation & Environment Reserve Fund		-	-	-	-	-	-	-	-
Waste Management Reserve Fund		32,700	1,000	6,100	15,000	6,123	-	3,400	30,623
Seaton Capital Reserve Fund		-	-	-	-	-	-	-	-
Canada Community-Building Fund (Federal Gas Tax)		10,000	-	-	-	-	-	-	-
Federal Grant (Clean Fuels)		70,000	-	-	-	-	-	-	-
Federal Grant (NRCan)		30	-	-	-	-	-	-	-
Debentures		129,300	-	-	-	-	-	-	-
Capital Financing Subtotal		242,824	1,880	8,775	22,456	11,273	2,739	4,891	50,134
Total Capital Solid Waste Management		242,824	1,880	8,775	22,456	11,273	2,739	4,891	50,134
Total Capital Works Department		418,853	214,917	225,603	264,628	170,634	168,428	782,206	1,611,499

Details of Budget Changes

	2023 Impact (\$ 000's)
Strategic Investments: Regional Roads and Infrastructure	
New positions – details of the 21.594 FTEs are provided in the Staffing Details section	1,024
Strategic Investments: Regional Roads and Infrastructure Subtotal	1,024
<hr/>	
	2023 Impact (\$ 000's)
Base Adjustments: Regional Roads and Infrastructure	
Economic increases	732
Annualization of 22.91 FTEs approved in the 2022 budget	880
Inflationary increases (fuel \$682k, utilities \$65k, materials and services \$437k)	1,184
Line-by-line savings	(710)
Increase in Works – Regional Roads and Infrastructure share of costs for the operation and maintenance of Regional Headquarters	100
Base Adjustments: Regional Roads and Infrastructure Subtotal	2,186
<hr/>	
Net Changes: Regional Roads and Infrastructure	3,210

Details of Budget Changes Continued

Strategic Investments: Solid Waste Management	2023 Impact (\$ 000's)
New positions – details of the 0.360 FTEs are provided in the Staffing Details section	31
Transfer of 3.0 FTEs to support Service Durham to centralize and improve the customer experience across all channels within the Region	(257)
Increase in operating costs at the DYEC (\$2,393k) which is partially offset by higher revenue from the sale of recovered materials (-\$164k), increase in projected power revenue (-\$478k) and a net increase in the recovery from York Region (-\$480k)	1,271
Increase in collection costs resulting from forecasted increase in stops based on Regional growth estimates	297
Decrease in processing costs due to revised tonnage estimates for blue box (-\$259k) and garbage (-\$78k)	(337)
Net decrease in the proceeds from the sale of cardboard, steel, aluminum, plastics and glass to end markets	911
Net decrease in Stewardship Ontario's Resource and Recovery Authority funding	130
Net increase in capital – see Appendix C for detailed project listing	86
Strategic Investments: Solid Waste Management Subtotal	2,132

Details of Budget Changes Continued

Base Adjustments: Solid Waste Management	2023 Impact (\$ 000's)
Economic increases	179
Annualization of 0.570 FTEs approved in the 2022 budget	26
Inflationary increases	8,699
Line-by-line saving	(69)
Increase in Works – Solid Waste Management share of costs for the operation and maintenance of Regional Headquarters	294
Base Adjustments: Solid Waste Management Subtotal	9,129
Net Changes: Regional Roads and Infrastructure	11,261
Net Changes: Works Department	14,471

Staffing Details

Regional Roads and Infrastructure	Full Time Equivalents (FTE's)
2022 Approved Complement	<u>433.214</u>
Positions Approved in Year	
Project Manager – this position is a conversion of a part-time position to support an increase in project delivery for depots, sewage treatment plants and water pumping stations, and major capital projects supporting corporate priorities (Note: this position is shared with Sanitary Sewerage, Water Supply and Waste Management) (as per Section 8.1 of the Budget Management Policy)	0.288
Total Positions Approved in Year	<u>0.288</u>
Proposed Position Transfers	
Project Manager - EMMS transferred from Financial Services to Systems Policies and Process. (Note: position is shared with Sanitary Sewerage and Water Supply)	0.160
Technical Assistant - EMMS transferred from Financial Services to Systems Policies and Process. (Note: position is shared with Sanitary Sewerage and Water Supply)	0.160
Works Technician 4 - Operations EMMS transferred from Financial Services to Systems Policies and Process. (Note: position is shared with Sanitary Sewerage and Water Supply)	0.160
Works Technician 3 - Operations EMMS transferred from Traffic Payroll Clearing to Systems Policies and Process. (Note: position is shared with Sanitary Sewerage and Water Supply)	(0.590)
Total Position Transfer	<u>(0.110)</u>

Staffing Details Continued

Proposed New Positions

Senior Project Coordinator – to provide business support for Fleet Services tenders, contracts, and specifications	1.000
Stockkeeper – to provide maintenance operations support at the Oshawa Depot to maintain current on-demand parts requests and to manage the onsite inventory of parts and supplies	1.000
Contract Coordinator DCAM – to provide administrative support and coordination for Housing and DRLHC projects	1.000
Supervisor DCAM - to support increase in project delivery for depots, sewage treatment plants and water pumping stations, and major capital projects supporting corporate priorities (Note: this position is shared with Sanitary Sewerage, Water Supply and Waste Management)	0.288
Emergency Management Coordinator – to support emergency management programs and initiatives corporately and departmentally as a dedicated liaison with Durham Emergency Management (Note: this position is shared with Sanitary Sewerage, Water Supply and Waste Management)	0.250
Business Analyst - to provide business support for the Enterprise Maintenance Management System (Note: this position is shared with Sanitary Sewerage and Water Supply)	0.410
Inspector 3 - to support the projects in the Construction Division and reduce reliance on consulting services and temporary staff (Note: this position is shared with Sanitary Sewerage and Water Supply)	0.358
Inspector 3 – to provide operational support to Bus Rapid Transit and ICIP funded projects in delivering transit infrastructure and transit expansion initiatives	1.000

Staffing Details Continued

Project Manager – to provide operational support to Bus Rapid Transit and ICIP funded projects in delivering transit infrastructure and transit expansion initiatives	1.000
Labourer – conversion of temporary labourer positions at the Orono, Oshawa/Whitby, and Sunderland Depots to support program operations	4.000
Medium Equipment Operator – required position to support the proposed purchase of Vactor 2100 combination sewer jet/vacuum at the Oshawa/Whitby Depot	1.000
Skilled Maintenance Worker – to provide support for the Ontario One Call locates requests and to ensure compliance with legislated requirements (Ontario Underground Infrastructure Notification System Act, 2012) and as recommended by the consultants from their review of the underground locates program	10.000

Total Proposed New Positions	<u>21.306</u>
Regional Roads Infrastructure Subtotal	454.698

Staffing Details Continued

Solid Waste Management	Full Time Equivalents (FTE's)
2022 Approved Complement	<u>76.765</u>
Positions Approved in Year	
Project Manager – this position is a conversion of a part-time position to support an increase in project delivery for depots, sewage treatment plants and water pumping stations, and major capital projects supporting corporate priorities (Note: this position is shared with Sanitary Sewerage, Water Supply and General Tax) (as per Section 8.1 of the Budget Management Policy)	0.055
Total Positions Approved in Year	<u>0.055</u>
Proposed Position Transfers	
Project Manager - EMMS transferred from Financial Services to Systems Policies and Process. (Note: position is shared with General Tax, Sanitary Sewerage and Water Supply)	(0.100)
Technical Assistant - EMMS transferred from Financial Services to Systems Policies and Process. (Note: position is shared with Sanitary Sewerage and Water Supply)	(0.100)
Works Technician 4 - Operations EMMS transferred from Financial Services to Systems Policies and Process. (Note: position is shared with General Tax, Sanitary Sewerage and Water Supply)	(0.100)
Waste Clerk 2 transferred from Waste Administration to support Service Durham to centralize and improve the customer experience across all channels within the Region	(3.000)
Total Position Transfer	<u>(3.300)</u>

Staffing Details Continued

Proposed New Positions

Supervisor DCAM - to support increase in project delivery for depots, sewage treatment plants and water pumping stations, and major capital projects supporting corporate priorities (Note: this position is shared with Sanitary Sewerage, Water Supply and General Tax) 0.055

Emergency Management Coordinator – to support emergency management programs and initiatives corporately and departmentally as a dedicated liaison with Durham Emergency Management (Note: this position is shared with Sanitary Sewerage, Water Supply and General Tax) 0.250

Total Proposed New Positions 0.305

Solid Waste Management Subtotal **73.825**

Total Complement: Works Department **528.523**

Looking Forward

The Works Department provides public infrastructure and services including Regional roads, reliable solid waste services, and support for residents, businesses, and institutions so that healthy and sustainable communities thrive. To support these commitments the Region continues to modernize operations through a variety of initiatives including:


- ongoing implementation of Vision Zero safety plan initiatives;
- implementing climate mitigation and GHG reduction strategies and measures, including a proposed green roof at Regional Headquarters, piloting of low water/low mow and naturalized landscaping at Regional locations, conversion of the Region's fleet of vehicles and equipment to lower carbon options and pursuing deep energy retrofit projects;
- refinement of design standards for Regional construction projects to further protect the natural environment and incorporate compliance measures related to the Excess Soil Management Regulation;
- expansion and renewal of Regional infrastructure to ensure service levels keep pace with growth;
- continued delivery of projects supporting the Community Housing Portfolio Revitalization work, advancing the At Home In Durham goals and objectives, and implementing the facility recommendations for various master plans, including the Master Plan for Paramedic Services, the Transit Master Plan, and the Depot Modernization and Rationalization plan;
- the utilization of technology such as artificial intelligence, sensors, drones, sonar and submersible cameras for inspections and assessments; and innovative mapping technology;
- continued shift to digitized public facing services to enhance the experience of residents and business that access services provided by the Works Department, such as continued addition of permits to the system;
- utilizing asset lifecycle data to forecast state of good repair needs for Regional assets collected through the Enterprise Maintenance Management System;
- ongoing Workplace Modernization work, including construction of Phases 2 and 3 at Regional Headquarters, review and rationalization of the current building portfolio and implementation of Workplace Modernization principles;
- introduction and expansion of advanced technologies and countermeasures to relieve traffic congestion; and

Looking Forward Continued

- presentation and implementation of the Durham Building Standard, providing guidelines related to energy efficiency, greenhouse gas emissions and reductions, and incorporation of amenities that support diversity and inclusion in the workplace for all projects related to the construction or renovation/retrofit of Regional facilities.


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
Regional Roads and Infrastructure																
Road / Structure Construction - Growth																
5	Reg. Rd. 1, Brock Rd. / 7th Concession Rd. Intersection, Intersection modifications, Pickering	-		-	19	26	-	11	95	-	-	-	151	350	5,600	6,101
8	Reg. Rd. 2, Simcoe St. / Shirley Rd. Intersection, Intersection modifications, Scugog	-		-	24	36	-	14	126	-	-	-	200	300	5,600	6,100
10	Reg. Rd. 3, Winchester Rd. from Baldwin St. to Anderson St., Widen from 2 to 3 / 4 lanes including structure widening, Whitby	-		-	108	202	-	81	708	-	-	-	1,099	15,935	-	17,034
16	Reg. Rd. 4, Taunton Rd. / Anderson St. Intersection, Intersection modifications at Taunton Rd. / Anderson St. including Taunton Rd. / DDSB and Taunton Rd. / DRPS entrances, Whitby	-		-	177	270	-	108	945	-	-	-	1,500	3,120	-	4,620
17	Reg. Rd. 4, Taunton Rd. / Courtice Rd. Intersection, Reconstruct and modify intersection to a roundabout, Clarington	-		-	30	45	-	17	158	-	-	-	250	1,050	12,000	13,300
18	Reg. Rd. 4, Taunton Rd. / Bowmanville Ave. Intersection, Reconstruct and modify intersection to roundabout and replace and widen bridge on west leg of intersection, Clarington	-		-	1,341	-	-	324	2,835	-	-	-	4,500	12,830	-	17,330
21	Reg. Rd. 14, Liberty St. from Baseline Rd. to King St., Widen road from 2 to 3 lanes. Associated water supply and sanitary sewer works, Clarington	-		-	300	122	-	49	428	-	-	-	899	1,301	7,400	9,600
22	Reg. Rd. 14, Liberty St. from Longworth Ave. to Concession Rd. 3, Road rehabilitation including roundabout at Concession Rd. 3 intersection and signalization and modifications at Liberty Street and Freeland Ave. - Bons Ave. (combined with item 110) Associated water supply works, Clarington	-		-	190	290	-	116	1,014	-	-	-	1,610	4,750	-	6,360

Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
30	Reg. Rd. 22, Victoria St. / Brock St. Intersection, Intersection modifications, Whitby	-		-	9	14	-	6	50	-	-	-	79	220	4,500	4,799
31	Reg. Rd. 22, Victoria St. from South Blair St. to west of Thickson Rd., Construct new alignment and widen road to 5 lanes. Associated water supply - feedermain works, Whitby	-		-	283	432	-	173	1,512	-	-	-	2,400	17,011	-	19,411
34	Reg. Rd. 22, Bloor St. from east of Harmony Rd. to Grandview St., Realignment and widen existing road to 4 / 5 lanes with new CP Rail grade separation, Oshawa	-		-	6	29	-	12	103	-	-	-	150	5,152	18,000	23,302
36	Reg. Rd. 23, Lake Ridge Rd. from Bayly St. to Kingston Rd. - Dundas St., Widen from 2 to 4 / 5 lanes, Ajax / Whitby	-		-	213	110	-	44	383	-	-	-	750	2,660	12,700	16,110
37	Reg. Rd. 23, Lake Ridge Rd. from Kingston Rd. - Dundas St. to Rossland Rd., Widen from 2 to 4 / 5 lanes. 2026: Lake Ridge Road and Rossland Road Intersection 2031: Widen from north of Kingston Rd. / Dundas St. to south of Rossland Road, Ajax / Whitby	-		-	89	125	-	50	436	-	-	-	700	900	18,900	20,500
38	Reg. Rd. 26, Thickson Rd. from Wentworth St. to C.N. Rail Kingston, Reconstruct and widen road from 2 to 4 lanes, Whitby	-		-	138	258	-	102	902	-	-	-	1,400	5,900	-	7,300
41	Reg. Rd. 26, Thickson Rd. from Taunton Rd. to Hwy. 407, Widen road from 2 to 4 / 5 lanes, Whitby	-		-	108	182	-	73	637	-	-	-	1,000	1,000	28,000	30,000
47	Reg. Rd. 28, Rossland Rd. from Ritson Rd. to Harmony Rd., Widen road from 3 to 5 lanes, including structure widening. Associated water supply works, Oshawa	-		-	58	159	-	63	555	-	-	-	835	1,100	17,500	19,435
49	Reg. Rd. 29, Liverpool Rd. from Hwy. 401 to Kingston Rd., Widen from 5 to 6 / 7 lanes. Associated water supply works, Pickering	-		-	39	83	-	33	290	-	-	-	445	600	6,800	7,845


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
Other	Reserve/ Reserve Funds			Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	General Levy						
56	Reg. Rd. 36, Hopkins St. from Consumers Dr. to Dundas St., Widen from 2 to 3 lanes, with new CPR grade separation. Associated water supply and sanitary sewer works, Whitby	-		-	45	124	-	49	432	-	-	-	650	600	19,800	21,050
57	Reg. Rd. 37, Finch Ave. from Altona Rd. to Brock Rd., Widen from 2 to 3 lanes. Associated water supply and sanitary sewer works, Pickering	-		-	824	240	-	96	840	-	-	-	2,000	500	34,500	37,000
60	Reg. Rd. 38, Whites Rd. from Finch Ave. to approximately 0.3 km south of Third Concession Rd., Widen from 2 to 6 lanes to add HOV lanes, with new CPR grade separation. The Region's portion shown is for 75% of the project cost. Seaton Landowners responsible for 25% of the project cost, Pickering	-		-	224	199	-	80	697	-	-	-	1,200	-	49,700	50,900
63	Reg. Rd. 42, Darlington - Clark Townline Rd. / Reg. Hwy. 2 Intersection, Intersection modifications, Clarington	-		-	35	54	-	22	189	-	-	-	300	200	5,600	6,100
66	Reg. Rd. 53, Stevenson Rd. from CPR Belleville to Bond St., Widen road from 4 to 5 lanes. Associated water supply (Hwy. 401 - Bond St.) and sanitary sewer works, Oshawa	-		-	32	75	-	30	263	-	-	-	400	1,100	11,600	13,100
67	Reg. Rd. 53, Stevenson Rd. from Bond St. to Rossland Rd., Widen road from 3 / 4 to 5 lanes. Associated water supply works, Oshawa	-		-	180	45	-	18	157	-	-	-	400	800	19,100	20,300
68	Reg. Rd. 55, Townline Rd. from Beatrice St. to Taunton Rd., Widen and urbanize road from 2 to 3 lanes from Whitelaw Ave. to Taunton Rd. and storm sewer from Beatrice St. to Taunton Rd., Oshawa / Clarington	-		-	29	35	-	14	122	-	-	-	200	2,650	2,530	5,380


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032		
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy	
69	Reg. Rd. 57, Bowmanville Ave. from Baseline Rd. to south of Reg. Hwy. 2, Widen road from 2 to 4 lanes from Baseline Rd. to S. of Hwy. 2, including structure widening. Associated water supply and sanitary sewer works, Clarington	-		-	112	100	-	40	349	-	-	-	601	3,300	35,300	39,201	
70	Reg. Rd. 57, Bowmanville Ave. from north of Stevens Rd. to Nash Rd., Widen road from 2 to 4 lanes from north of Stevens Rd. to Nash Rd. Associated sanitary sewer works, Clarington	-		-	89	186	-	74	651	-	-	-	1,000	-	12,600	13,600	
72	Reg. Rd. 57, Bowmanville Ave. / Concession 7 Intersection, Intersection modifications, Clarington	-		-	6	9	-	4	32	-	-	-	51	450	5,600	6,101	
73	Reg. Rd. 58, Manning Rd. / Adelaide Ave. Connection from Garrard Rd. to Thornton Rd., Construct new road to 3 lanes with new crossing of Corbett Creek. Associated water supply works, Whitby / Oshawa	-		-	30	198	-	79	693	-	-	-	1,000	11,360	17,200	29,560	
74	Reg. Rd. 58, Adelaide Ave. from Townline Rd. to Trulls Rd., Construct new bridge crossing of Farewell Creek and construct new 3 lane road. Associated sanitary sewer works, Clarington	-		-	2,310	-	-	840	7,350	-	-	-	10,500	1,500	32,250	44,250	
75	Reg. Rd. 59, Gibb St. from east of Stevenson Rd. to Simcoe St., Widen road from 3 to 4 lanes. Associated water supply and sanitary sewer works, Oshawa	-		-	913	426	-	170	1,491	-	-	-	3,000	23,630	21,500	48,130	
78	Reg. Hwy. 2 / Lambs Rd. Intersection, Intersection modifications, Clarington	-		-	35	54	-	22	189	-	-	-	300	200	5,600	6,100	
Road / Structure Construction - Growth Subtotal					-	7,996	4,128	-	2,814	24,632	-	-	-	39,570	120,469	409,880	569,919


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032		
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy	
Traffic Control & Other Programs - Growth																	
82	Bridge and Pavement Management Program, Various	-		-	7	72	-	29	251	-	-	41	400	400	3,600	4,400	
83	Signal Installation Program, Various	-		-	696	116	-	196	1,717	-	-	-	2,725	2,200	20,450	25,375	
84	Intelligent Transportation System (ITS) Projects, Various	-		-	77	118	-	47	413	-	-	-	655	600	5,400	6,655	
85	Engineering Activities, Various	-		-	8	81	-	32	284	-	-	45	450	450	4,050	4,950	
86	Property Acquisition, Various	-		-	35	54	-	22	189	-	-	-	300	500	1,500	2,300	
87	Roadside Landscaping Projects, Various	-		-	3	27	-	11	94	-	-	15	150	200	1,350	1,700	
88	Contingencies Development Related, Various	-		-	35	54	-	22	189	-	-	-	300	300	2,700	3,300	
89	Regional Share of Services for Residential Subdivision Development, Various	-		-	32	320	-	128	1,120	-	-	-	1,600	2,600	4,000	8,200	
Traffic Control & Other Programs - Growth Subtotal					-	893	842	-	487	4,257	-	-	101	6,580	7,250	43,050	56,880
Transportation Plans & Studies - Growth																	
90	Transportation Plans and Studies, Various	-		-	3	30	-	12	105	-	-	-	150	150	1,700	2,000	
Transportation Plans & Studies - Growth Subtotal					-	3	30	-	12	105	-	-	150	150	1,700	2,000	


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing							2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032		
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant					Debenture	General Levy
Investing in Canada Infrastructure Program (ICIP) Projects																
91	Reg. Hwy. 2, Kingston Rd. from Altona Rd. to Notion Rd., Bus Rapid Transit Lanes, Pickering	-		-	4,355	-	-	1,180	10,324	43,606	-	-	59,465	17,710	34,955	112,130
92	Reg. Hwy. 2, Kingston Road - Dundas Street (Various Locations), Bus Rapid Transit Lanes (DC Elig), Ajax / Whitby / Oshawa	-		-	879	-	-	205	1,790	7,899	-	-	10,773	14,400	20,922	46,095
93	Reg. Hwy. 2, Kingston Road - Dundas Street (Various Locations), Bus Rapid Transit Lanes (DC Inelig), Ajax / Whitby / Oshawa	-		-	2,240	-	-	-	-	6,160	-	-	8,400	200	-	8,600
Investing in Canada Infrastructure Program (ICIP) Projects Subtotal				-	7,474	-	-	1,385	12,114	57,665	-	-	78,638	32,310	55,877	166,825
Road Rehabilitation / Reconstruction Projects																
94	Reg. Rd. 1, Brock Rd. from 0.2 km north of Uxbridge / Pickering Townline Rd to 1.2 km north of Webb Rd., Road rehabilitation, Uxbridge	-		3,500	-	-	-	-	-	-	-	-	3,500	-	-	3,500
95	Reg. Rd. 1, Conc. Rd. 7 from Reg. Rd. 11 to 0.4 km north of Ashworth Rd., Road rehabilitation / reconstruction, Uxbridge	-		-	3,100	-	-	-	-	-	-	-	3,100	9,560	-	12,660
96	Reg. Rd. 1, Conc. Rd. 7 from Foster Dr. to south limit of Leaskdale, Road rehabilitation / reconstruction, Uxbridge	-		-	1,250	-	-	-	-	-	-	-	1,250	7,980	-	9,230
97	Reg. Rd. 2, Simcoe St. from Olive Ave. to north of John St., Road rehabilitation / reconstruction in conjunction with water / sewer project, Oshawa	-		-	1,250	-	-	-	-	-	-	-	1,250	1,575	-	2,825
98	Reg. Rd. 3, Grandview St. N. from Hwy. 407 to Columbus Rd. E. and Columbus Rd. E. from Grandview St. N. to Townline Rd. N., Road rehabilitation / reconstruction, Oshawa	-		-	293	-	-	-	-	-	-	-	293	6,707	-	7,000


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
99	Reg. Rd. 3 from Townline Rd. N. to Enfield Rd., Road rehabilitation / reconstruction, Clarington	-		-	300	-	-	-	-	-	-	-	300	5,100	2,500	7,900
100	Reg. Rd. 4, Taunton Rd. from east of Townline Rd. to west of Enfield Rd., Road rehabilitation, Clarington	-		4,600	500	-	-	-	-	-	-	-	5,100	6,573	-	11,673
101	Reg. Rd. 4, Taunton Rd. from 0.4 km west of Solina Rd. to 0.2 km west of Bowmanville Ave., Road rehabilitation. 2023: West of Holt Rd. to Maple Grove Rd. 2024: West of Solina Rd. to Hwy. 418. 2025: Maple Grove Rd. to 0.2 km west of Bowmanville Ave. in conjunction with rehabilitation / replacing bridge 0.2 km west of Old Scugog Rd (Hampton Bridge), Clarington	-		-	750	-	-	-	-	-	-	-	750	1,170	22,050	23,970
102	Reg. Rd. 4, Taunton Rd. from Reg. Rd. 17 to 0.1 km west of Tamblin Rd., Road rehabilitation and intersection modifications at Reg. Rd. 17 - Best Rd., Clarington	-		-	200	-	-	-	-	-	-	-	200	300	3,000	3,500
106	Reg. Rd. 8, Reach St. from east of Old Simcoe St. to Bigelow St., Road rehabilitation / reconstruction, Scugog	-		-	350	-	-	-	-	-	-	-	350	200	3,100	3,650
107	Reg. Rd. 9, Ganaraska Rd. from 2.0 km east of Maynard Rd. to 0.4 km east of Newtonville Rd., Road rehabilitation / reconstruction in combination with Newtonville Rd., Clarington	-		-	250	-	-	-	-	-	-	-	250	450	4,000	4,700
108	Reg. Rd. 13, Zephyr Rd. from Conc. 3 (Reg. Rd. 39) to Conc. 4, Road rehabilitation / reconstruction, Uxbridge	-		-	1,700	-	-	-	-	-	-	-	1,700	7,350	-	9,050


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
109	Reg. Rd. 13 from Lake Ridge Rd. to 1.5 km west of Hwy. 7 / 12, Road rehabilitation / reconstruction including modifications to the profile. 2023 road reconstruction from 0.85 km west of Sideroad 17 to 0.415 km east of Sideroad 17. 2024 road reconstruction from 0.415 km east of Sideroad 17 to 1.5 km west of Hwy. 7 / 12, Brock	-		-	2,810	-	-	-	-	-	-	-	2,810	20,970	5,530	29,310
110	Reg. Rd. 14, Liberty St. from Longworth Ave. to Concession Rd. 3, Road rehabilitation including roundabout at Concession Rd. 3 intersection and signalization and modifications at Liberty Street and Freeland Ave - Bons Ave. (combined with item 22) Associated water supply works, Clarington	-		-	4,910	-	-	-	-	-	-	-	4,910	50	-	4,960
111	Reg. Rd. 17, Main St. from Winter Rd. to Station St., Road rehabilitation / reconstruction. Associated water supply and sanitary sewer works, Clarington	-		-	500	-	-	-	-	-	-	-	500	300	8,400	9,200
112	Reg. Rd. 18, Newtonville Rd. from Kendal Bridge to Ganaraska Rd., Road rehabilitation / reconstruction in combination with Ganaraska Rd., Clarington	-		-	470	-	-	-	-	-	-	-	470	30	3,000	3,500
115	Reg. Rd. 23, Lake Ridge Rd. from 0.1 km south of Vallentyne to 0.25 km north of Ravenshoe Rd., Road rehabilitation and curve reconfiguration, Brock / Uxbridge	-		-	150	-	-	-	-	-	-	-	150	300	2,650	3,100
118	Reg. Rd. 28, Rossland Rd. from Park Rd. to Simcoe St., Road rehabilitation / reconstruction in conjunction with bridge rehabilitation. Associated water supply works, Oshawa	-		-	150	-	-	-	-	-	-	-	150	350	5,650	6,150
121	Reg. Rd. 56, Farewell St. from Harbour Rd. to Bloor St., Road rehabilitation / reconstruction. Associated water supply works, Oshawa	-		-	2,000	-	-	-	-	-	-	-	2,000	6,350	-	8,350


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
122	Reg. Rd. 59, Olive Ave. from Simcoe St. to Drew St., Road rehabilitation / reconstruction in conjunction with water / sewer project, Oshawa	-		-	125	-	-	-	-	-	-	125	700	-	825	
123	Reg. Rd. 60, Wentworth St. from Park Rd. to 0.125 km east of Cedar St., Road rehabilitation / reconstruction, Oshawa	-		-	300	-	-	-	-	-	-	300	-	1,500	1,800	
124	Reg. Rd. 60, Wentworth St. from Oshawa Creek Bridge to Farewell St., Road rehabilitation / reconstruction, Oshawa	-		-	2,150	-	-	-	-	-	-	2,150	4,000	13,000	19,150	
125	Reg. Hwy. 2 / Newtonville Rd. Intersection, Road rehabilitation / reconstruction, Clarington	-		-	450	-	-	-	-	-	-	450	-	-	450	
126	Road Resurfacing and Rehabilitation Preparatory Activities Allowance, Various	-		-	-	-	-	-	-	-	350	350	350	3,150	3,850	
127	Road and Structures Rehabilitation Program, Various	-		-	-	-	-	-	-	-	500	500	1,000	26,000	27,500	
128	Road Resurfacing / Rehabilitation Other Locations, Various	-		2,000	3,752	-	-	-	-	-	-	5,752	5,163	276,998	287,913	
Road Rehabilitation / Reconstruction Projects Subtotal					10,100	27,710	-	-	-	-	-	850	38,660	86,528	380,528	505,716


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
Structure Rehabilitation / Replacement																
129	Structure Investigation Program, Various	-		-	-	-	-	-	-	-	-	100	100	100	900	1,100
130	Bridge Maintenance and Repairs Program, Various	-		-	-	-	-	-	-	-	-	200	200	200	1,800	2,200
131	Expansion Joint Repairs Program, Various	-		-	-	-	-	-	-	-	-	60	60	60	540	660
132	Culvert Maintenance and Repairs Program, Various	-		-	-	-	-	-	-	-	-	150	150	150	1,350	1,650
134	Reg. Rd. 2, Simcoe St. Over Oshawa Creek Bridge, 0.7 km north of Taunton Rd., Bridge rehabilitation, Oshawa	-		2,050	-	-	-	-	-	-	-	-	2,050	-	-	2,050
136	Reg. Rd. 2, Seagrave Bridge, 0.55 km south of Saintfield Rd., Bridge rehabilitation, Scugog	-		-	50	-	-	-	-	-	-	-	50	150	2,950	3,150
140	Reg. Rd. 4, W.A. Twelvetrees Bridge, 0.3 km east of Whites Rd., Bridge rehabilitation of existing 4 lane structure, Pickering	-		-	230	-	-	-	-	-	-	-	230	220	5,400	5,850
143	Reg. Rd. 4, Hampton Bridge, 1.0 km west of Bowmanville Ave., Bridge rehabilitation / replacement in conjunction with road rehabilitation, Clarington	-		-	150	-	-	-	-	-	-	-	150	200	3,100	3,450
148	Reg. Rd. 5, Ninth Concession Rd. Over Duffins Creek Tributary Culvert, 0.05 km west of Sideline 12, Culvert rehabilitation, Pickering	-		-	100	-	-	-	-	-	-	-	100	-	1,000	1,100
151	Reg. Rd. 8 Over Pepperlaw Brook Bridge, 0.75 km west of Concession 3, Bridge replacement, Uxbridge	-		10	1,590	-	-	-	-	-	-	-	1,600	1,800	-	3,400
155	Reg. Rd. 8, Nonquon Bridge, 0.45km west of Hwy. 12, Bridge replacement, Scugog	-		-	150	-	-	-	-	-	-	-	150	3,050	-	3,200
156	Reg. Rd. 11, Sandford Rd. Bridge, 1.1 km west of Uxbridge Township Concession Road 3, Bridge replacement, Uxbridge	-		-	1,500	-	-	-	-	-	-	-	1,500	2,200	-	3,700


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
159	Reg. Rd. 13, Zephyr Rd. Bridge, 0.95 km west of Concession Road VI, Bridge replacement, Uxbridge	-		3,000	-	-	-	-	-	-	-	-	3,000	1,975	-	4,975
163	Reg. Rd. 16, Ritson Rd. Over CNR Bridge, 0.2 km south of Bloor St., Bridge rehabilitation. 50% of costs to be recovered from CNR as per Board Order No. 98034, Oshawa	-		55	55	-	-	-	-	-	-	-	110	240	5,250	5,600
171	Reg. Rd. 23, Lake Ridge Rd. Culvert 0.3 km north of Conc. Rd. 2, Culvert rehabilitation, Brock	-		-	100	-	-	-	-	-	-	-	100	-	1,200	1,300
172	Reg. Rd. 23, Beaverton Bridge, 50 m north of Simcoe St., Bridge rehabilitation, Brock	-		-	600	-	-	-	-	-	-	-	600	3,500	-	4,100
177	Reg. Rd. 28, Rossland Rd. Over Oshawa Creek, 0.45 km east of Park Rd., Bridge rehabilitation in conjunction with road rehabilitation / reconstruction, Oshawa	-		-	100	-	-	-	-	-	-	-	100	250	5,100	5,450
184	Reg. Rd. 33, Harmony Rd. Over CPR Bridge, 0.2 km south of Olive Ave., Bridge rehabilitation / replacement. Coordinate with Metrolinx extension to Bowmanville, Oshawa	-		-	200	-	-	-	-	-	-	-	200	-	3,300	3,500
186	Reg. Rd. 34, Courtice Road Over CPR Bridge, 0.3 km north of Baseline Rd., Bridge rehabilitation. Coordinate with Metrolinx extension to Bowmanville, Clarington	-		-	200	-	-	-	-	-	-	-	200	-	220	420
191	Reg. Rd. 53, Stevenson Rd. Over CPR Bridge, 0.4 km north of Laval Dr., Bridge rehabilitation / replacement. Coordinate with Metrolinx extension to Bowmanville, Oshawa	-		-	200	-	-	-	-	-	-	-	200	-	1,800	2,000
192	Reg. Rd. 54, Park Rd. Over CPR Bridge, 0.48 km south of Gibb St., Bridge rehabilitation. Coordinate with Metrolinx extension to Bowmanville, Oshawa	-		-	200	-	-	-	-	-	-	-	200	-	1,850	2,050

Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture				
194	Reg. Rd. 57, Burketon CPR Bridge, 3.3 km south of Shirley Rd., Bridge Replacement, Clarington	-		2,575	-	-	-	-	-	-	-	2,575	5,000	-	7,575
197	Reg. Rd. 58, Adelaide Ave. Culvert, 0.05 km west of Wilson Rd., Culvert rehabilitation, Oshawa	-		-	100	-	-	-	-	-	-	100	-	1,300	1,400
Structure Rehabilitation / Replacement Subtotal				7,690	5,525	-	-	-	-	-	510	13,725	19,095	37,060	69,880
Traffic Control & Other Programs - Non-Growth															
200	Miscellaneous Road and Storm Sewer Reconstruction Projects, Various	-		-	-	-	-	-	-	-	-	400	400	400	4,400
201	Signal Modernization Program, Various	-		-	-	-	-	-	-	-	-	1,640	1,640	1,405	17,379
202	Accessible Pedestrian Signal (APS) Installation Program, Various	-		-	-	-	-	-	-	-	-	1,000	1,000	930	9,880
203	Advance Traffic Management Systems (ATMS) Upgrades, Various	-		-	-	-	-	-	-	-	-	100	100	100	1,905
204	Uninterruptible Power Supply (UPS) Installation Program, Various	-		-	-	-	-	-	-	-	-	500	500	500	5,500
205	Contingencies Non-Development Related, Various	-		-	-	-	-	-	-	-	-	100	100	100	1,100
Traffic Control & Other Programs - Non-Growth Subtotal				-	-	-	-	-	-	-	-	3,740	3,740	3,435	32,989
Road & Traffic Safety Program (Vision Zero)															
206	Roadside Safety Program, Various	-		-	-	-	-	-	-	-	-	1,000	1,000	800	9,900
207	Durham Vision Zero Program, Various	-		-	675	-	-	-	-	-	-	675	725	1,529	2,929
Road & Traffic Safety Program (Vision Zero) Subtotal				-	675	-	-	-	-	-	-	1,000	1,675	1,525	9,629
Cycling Infill Projects															
208	Cycling Infill Projects, Various	-		540	-	-	-	-	-	-	-	540	160	11,300	12,000
Cycling Infill Projects Subtotal				540	-	-	-	-	-	-	-	540	160	11,300	12,000

Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

Durham Budget 2023		Quantity	New / Replacement	2023 Proposed Financing									2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	General Levy				
Building & Structures																
212	Depot Rationalization - Ajax Depot Expansion (Works General Tax Portion)	2	New	-	-	-	-	-	-	-	1,667	-	1,667	-	11,667	13,334
213	Depot Rationalization - New Oshawa/Whitby Depot (Works General Tax Portion)	3	New	-	-	-	-	-	-	-	12,667	-	12,667	-	56,667	69,334
214	Depot Rationalization - New Sunderland Depot (Works General Tax Portion)	3	New	-	-	-	-	-	-	-	1,333	-	1,333	-	15,333	16,666
217	Repairs and Epoxy Coat Fleet Bay Concrete Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	1	Replacement	-	-	-	-	-	-	-	-	13	13	-	-	13
219	Roof Replacement on Vehicle Storage Bays - Orono Depot	1	Replacement	-	-	-	-	-	-	-	-	27	27	-	-	27
220	Thermal Glass Panels for Rollup Doors and Door operators - Orono Depot	1	Replacement	-	-	-	-	-	-	-	-	18	18	-	-	18
221	Widening of Existing Canopy Entrance - Sunderland Depot	1	Replacement	-	-	-	-	-	-	-	-	8	8	-	-	8
224	Access Ladder Repair/Replacement Project - Various Locations	2	Replacement	-	-	-	-	-	-	-	-	15	15	-	-	15
229	Renovation & Optimization - 101 Consumers (Traffic Portion)	2	Replacement	-	5,847	-	-	-	-	-	-	-	5,847	13,696	-	19,543
230	Replacement of Fire System - Oshawa/Whitby Depot	1	Replacement	-	-	-	-	-	-	-	-	67	67	-	-	67
Building & Structures Subtotal				-	5,847	-	-	-	-	-	15,667	148	21,662	13,696	83,667	119,025
Machinery & Equipment																
235	Bar Pullout Tester - Construction	1	New	-	-	-	-	-	-	-	-	4	4	-	-	4
236	Bench Oven - Construction	1	Replacement	-	-	-	-	-	-	-	-	5	5	-	-	5
237	Concrete End Grinder - Construction	1	New	-	-	-	-	-	-	-	-	8	8	-	-	8
240	Gyratory Compactor/Molds/Equipment - Construction	1	New	-	-	-	-	-	-	-	-	23	23	-	-	23

Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

Durham Region Durham Budget 2023	Quantity	New / Replacement	2023 Proposed Financing									2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
			Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	General Levy					
241	Integrated Control Technology - Security Project - Various Locations	6	New	-	-	-	-	-	-	-	-	7	7	-	-	7
245	Nuclear Densometer - Construction	1	Replacement	-	-	-	-	-	-	-	-	4	4	-	-	4
Machinery & Equipment Subtotal				-	-	-	-	-	-	-	-	51	51	-	-	51
Information Technology Infrastructure																
256	Computers & Monitors Refresh - Financial Services	-	Replacement	-	-	-	-	-	-	-	-	208	208	-	-	208
257	dTIMS Software Upgrades - Transportation-Infrastructure	-	Replacement	-	-	-	-	-	-	-	-	120	120	-	-	120
261	Standard Laptops	16	New	-	-	-	-	-	-	-	-	27	27	-	-	27
262	Power Laptops	2	New	-	-	-	-	-	-	-	-	2	2	-	-	2
Information Technology Infrastructure Subtotal				-	-	-	-	-	-	-	-	357	357	-	-	357
Vehicles																
265	1 Ton Van - 289 Water St.	2	Replacement	-	300	-	-	-	-	-	-	-	300	-	-	300
266	1/2 Ton Pick-up Truck - Various Locations	9	Replacement	-	765	-	-	-	-	-	-	-	765	-	-	765
267	3 Ton Crew Cab - Various Locations	3	Replacement	-	570	-	-	-	-	-	-	-	570	-	-	570
269	3/4 Ton Van - Various Locations	6	Replacement	-	900	-	-	-	-	-	-	-	900	-	-	900
271	6 Ton Tandem - Various Locations	5	Replacement	-	3,000	-	-	-	-	-	-	-	3,000	-	-	3,000
273	Asphalt Hot Box - Oshawa/Whitby Depot	1	Replacement	-	65	-	-	-	-	-	-	-	65	-	-	65
275	Chain Saw - Various Locations	17	Replacement	-	34	-	-	-	-	-	-	-	34	-	-	34
276	Concrete Saw - Various Locations	31	Replacement	-	74	-	-	-	-	-	-	-	74	-	-	74
277	Cube Van - Various Locations	2	Replacement	-	350	-	-	-	-	-	-	-	350	-	-	350
278	Econo Van - Various Locations	7	Replacement	-	525	-	-	-	-	-	-	-	525	-	-	525


Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

	Quantity	New / Replacement	2023 Proposed Financing									2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032
			Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture	General Levy				
279 Emergency Fleet Equipment Replacement - Fleet	1	Replacement	-	151	-	-	-	-	-	-	-	151	-	-	151
282 Geodimeter - Construction	1	Replacement	-	125	-	-	-	-	-	-	-	125	-	-	125
284 Miscellaneous Trailer - Various Locations	3	Replacement	-	135	-	-	-	-	-	-	-	135	-	-	135
285 Pole Saw - Various Locations	5	Replacement	-	10	-	-	-	-	-	-	-	10	-	-	10
286 Portable Generator - Ajax Depot	1	Replacement	-	6	-	-	-	-	-	-	-	6	-	-	6
289 Signal Board - Sunderland Depot	1	Replacement	-	18	-	-	-	-	-	-	-	18	-	-	18
293 Tamper - Scugog Depot	1	Replacement	-	7	-	-	-	-	-	-	-	7	-	-	7
295 Tandem Trailer - Oshawa/Whitby Depot	1	Replacement	-	45	-	-	-	-	-	-	-	45	-	-	45
296 Tow Motor - Waste Facilities	1	Replacement	-	150	-	-	-	-	-	-	-	150	-	-	150
298 Water Pump - Various Locations	2	Replacement	-	15	-	-	-	-	-	-	-	15	-	-	15
299 Weed Eater Combo Unit - Various Locations	28	Replacement	-	84	-	-	-	-	-	-	-	84	-	-	84
300 Medium Articulated Loader - Waste Facilities	1	Replacement	-	350	-	-	-	-	-	-	-	350	-	-	350
Vehicles Subtotal			-	7,679	-	-	-	-	-	-	-	7,679	-	-	7,679

Appendix A: 2023 Regional Roads and Infrastructure Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix B for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032	
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture					General Levy
Furniture & Fixtures																
301	A/V Equipment and Technology Upgrades - Various Locations	1	New	-	-	-	-	-	-	-	-	10	10	-	-	10
Furniture & Fixtures Subtotal				-	-	-	-	-	-	-	-	10	10	-	-	10
Total Capital Regional Roads and Infrastructure				18,330	63,802	5,000	-	4,698	41,108	57,665	15,667	6,767	213,037	284,618	1,065,680	1,563,335

* Rows and columns may not add due to rounding

** Appendix A includes Other financing of \$18.275 million from the Canada-Community Building Fund (Federal Gas Tax) and \$55 thousand in contributions from CN Rail

*** Appendix A includes Reserve/Reserve Fund financing as follows:

	2023
Reserve Fund	
Equipment Replacement Reserve	7,679
Capital Impact Stabilization Reserve Fund	5,847
Roads Rehab Reserve Fund	27,710
Bridge Rehab Reserve Fund	5,525
Regional Roads Levy	8,892
Vision Zero Reserve Fund	675
Transit Capital Reserve Fund	7,474
Total Reserve/Reserve Fund Financing	63,802

**** Appendix A includes financing of the following development charge shortfalls as follows:

	2023
DC Shortfall	
Residential DC Shortfall	-
Commercial DC Shortfall	-
Institutional DC Shortfall	3,284
Industrial DC Shortfall	828
Total DC Shortfall	4,112
Shortfall Financing Source	
Regional Roads Levy	4,112
Total Funding	4,112

***** Project Notes:

¹ Project 229 Renovations and Optimization-101 Consumers - The budget of \$5.847 million included in this schedule is for the 2023 Traffic portion. The estimated total cost of this project is \$22.843 million. \$13.696 million has been approved in previous budgets and \$3.300 million is proposed in the 2023 Health Capital Budget.

² Project 212 Depot Rationalization-Ajax Depot Expansion - The budget of \$1.667 million is the 2023 general tax portion. The estimated total cost is \$40.000 million with \$13.333 million funded from the General Tax Fund, \$13.333 million funded from the Water Supply Fund, and \$13.334 million funded from the Sanitary Sewerage Fund.

³ Project 213 Depot Rationalization-New Oshawa/Whitby Depot Expansion - The budget of \$12.667 million is the 2023 general tax portion. The estimated total cost is \$208.000 million with \$69.334 million funded from the General Tax Fund, \$69.333 million funded from the Water Supply Fund, and \$69.333 million funded from the Sanitary Sewerage Fund.

⁴ Project 214 Depot Rationalization-New Sunderland Depot - The budget of \$1,333 million is the 2023 general tax portion. The estimated total cost is \$50.000 million with \$16.666 million funded from the General Tax Fund, \$16.667 million funded from the Water Supply Fund, and \$16.667 million funded from the Sanitary Sewerage Fund.

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Regional Roads and Infrastructure									
Road / Structure Construction - Growth									
1	Reg. Rd. 1, Brock Rd. / Hwy. 401 eastbound On Ramp, Intersection modifications. Add northbound right turn lane, including structure widening with MTO contract, Pickering	Pre-Construction	-	150	-	-	-	-	150
		Construction	-	750	-	-	-	-	750
		Total	-	900	-	-	-	-	900
2	Reg. Rd. 1, Brock Rd. from Finch Ave. to Taunton Rd., Beyond forecast widen road from 5 to 7 lanes to add HOV lanes, including structure widening, Pickering	Pre-Construction	-	-	-	-	-	6,500	6,500
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	6,500	6,500
3	Reg. Rd. 1, Brock Rd. from Taunton Rd. to Alexander Knox Rd. - 5th Concession Rd., Widen road from 2 to 4 lanes including intersection modifications at Brock Rd. and Taunton Rd. The Region's portion shown is for 10% of the intersection project cost. Seaton Landowners responsible for 90% of the Intersection cost, Pickering	Pre-Construction	-	250	-	-	-	-	250
		Construction	-	1,187	-	-	-	-	1,187
		Total	-	1,437	-	-	-	-	1,437
4	Reg. Rd. 1, Brock Rd. from Taunton Rd. to Alexander Knox Rd. - 5th Concession Rd., Beyond forecast widen road from 4 to 6 lanes to add HOV lanes. The Region's portion shown is for 87% of the project cost. Seaton Landowners responsible for 13% of the project cost, Pickering	Pre-Construction	-	-	-	-	-	1,500	1,500
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	1,500	1,500
5	Reg. Rd. 1, Brock Rd. / 7th Concession Rd. Intersection, Intersection modifications, Pickering	Pre-Construction	150	-	300	-	300	-	600
		Construction	-	-	-	-	-	5,000	5,000
		Total	150	-	300	-	300	5,000	5,600

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
6	Reg. Rd. 1, Brock Rd. / Goodwood Rd. Intersection, Reconstruct to a roundabout, Uxbridge	Pre-Construction	-	-	350	350	-	-	700
		Construction	-	-	-	-	7,000	-	7,000
		Total	-	-	350	350	7,000	-	7,700
7	Reg. Rd. 2, Simcoe St. / Howden Rd. Intersection, Beyond forecast intersection modifications, Oshawa	Pre-Construction	-	-	-	-	-	400	400
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	400	400
8	Reg. Rd. 2, Simcoe St. / Shirley Rd. Intersection, Intersection modifications, Scugog	Pre-Construction	200	-	300	300	-	-	600
		Construction	-	-	-	-	-	5,000	5,000
		Total	200	-	300	300	-	5,000	5,600
9	Reg. Rd. 2, Simcoe St. from south of King St. to south of Greenway Blvd., Beyond forecast widen from 2 to 3 lanes including intersection modifications at King St - Oylar St., Scugog	Pre-Construction	-	-	-	300	-	1,500	1,800
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	300	-	1,500	1,800
10	Reg. Rd. 3, Winchester Rd. from Baldwin St. to Anderson St., Widen from 2 to 3 / 4 lanes including structure widening, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,100	-	-	-	-	-	-
		Total	1,100	-	-	-	-	-	-
11	Reg. Rd. 3 / Enfield Rd., Intersection modifications, Clarington	Pre-Construction	-	200	300	300	-	-	800
		Construction	-	-	-	-	-	5,000	5,000
		Total	-	200	300	300	-	5,000	5,800
12	Reg. Rd. 4, Taunton Rd. from Toronto / Pickering Townline to west of Twelvetrees Bridge, Beyond forecast widen from 4 to 6 lanes to add HOV lanes, Pickering	Pre-Construction	-	-	-	-	-	3,500	3,500
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	3,500	3,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

Durham Budget 2023		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
13	Reg. Rd. 4, Taunton Rd. from Twelvetrees Bridge to east limit of Phase 1 / Peter Matthews Dr., Widen from 4 to 6 lanes, including structure widening. The Region's portion shown is for 14% of the project cost. Seaton Landowners responsible for 86% of the project cost, Pickering	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	-	-	5,166	5,166
		Total	-	-	-	-	-	5,166	5,166
14	Reg. Rd. 4, Taunton Rd. from Peter Matthews Dr. to Brock Rd., Beyond forecast widen from 4 to 6 / 7 lanes to add HOV lanes including structure widening, Pickering	Pre-Construction	-	-	-	-	-	2,500	2,500
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	2,500	2,500
15	Reg. Rd. 4, Taunton Rd. from Brock Rd. to Brock St. / Baldwin St., Beyond forecast widen from 5 to 7 lanes to add HOV lanes including structure widening, Pickering / Ajax / Whitby	Pre-Construction	-	-	-	-	-	4,000	4,000
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	4,000	4,000
16	Reg. Rd. 4, Taunton Rd. / Anderson St. Intersection, Intersection modifications at Taunton Rd. / Anderson St. including Taunton Rd. / DDSB and Taunton Rd. / DRPS entrances, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,500	-	-	-	-	-	-
		Total	1,500	-	-	-	-	-	-
17	Reg. Rd. 4, Taunton Rd. / Courtice Rd. Intersection, Reconstruct and modify intersection to a roundabout, Clarington	Pre-Construction	250	500	-	-	-	-	500
		Construction	-	-	-	11,500	-	-	11,500
		Total	250	500	-	11,500	-	-	12,000
18	Reg. Rd. 4, Taunton Rd. / Bowmanville Ave. Intersection, Reconstruct and modify intersection to roundabout and replace and widen bridge on west leg of intersection, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	4,500	-	-	-	-	-	-
		Total	4,500	-	-	-	-	-	-
19	Reg. Rd. 4, Taunton Rd. / Reg. Rd. 42 Darlington - Clarke Townline Intersection, Reconstruct and modify intersection to a roundabout, Clarington	Pre-Construction	-	100	100	300	-	-	500
		Construction	-	-	-	-	5,000	-	5,000
		Total	-	100	100	300	5,000	-	5,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
20	Reg. Rd. 5, Central St. from 0.15 km west of Canso Dr. to Brock Rd., Urbanize road and modify corridor through village of Claremont, including streetscape modifications, Pickering	Pre-Construction	-	-	350	300	200	200	1,050
		Construction	-	-	-	-	-	5,000	5,000
		Total	-	-	350	300	200	5,200	6,050
21	Reg. Rd. 14, Liberty St. from Baseline Rd. to King St., Widen road from 2 to 3 lanes. Associated water supply and sanitary sewer works, Clarington	Pre-Construction	900	-	400	-	-	-	400
		Construction	-	-	-	-	7,000	-	7,000
		Total	900	-	400	-	7,000	-	7,400
22	Reg. Rd. 14, Liberty St. from Longworth Ave. to Concession Rd. 3, Road rehabilitation including roundabout at Concession Rd. 3 intersection and signalization and modifications at Liberty Street and Freeland Ave. - Bons Ave. (combined with item 110) Associated water supply works, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,610	-	-	-	-	-	-
		Total	1,610	-	-	-	-	-	-
23	Reg. Rd. 16, Ritson Rd. / Beatrice St. Intersection, Intersection modifications, Oshawa	Pre-Construction	-	-	250	50	-	-	300
		Construction	-	-	-	-	-	2,500	2,500
		Total	-	-	250	50	-	2,500	2,800
24	Reg. Rd. 16, Ritson Rd. from north of Taunton Rd. to Conlin Rd., Widen road from 2 / 3 to 5 lanes, Oshawa	Pre-Construction	-	-	500	650	700	800	2,650
		Construction	-	-	-	-	-	16,000	16,000
		Total	-	-	500	650	700	16,800	18,650
25	Reg. Rd. 22, Bayly St. from Liverpool Rd. to Brock Rd., Beyond forecast widen road from 5 to 6 / 7 lanes to add HOV lanes, Pickering	Pre-Construction	-	-	-	-	-	1,000	1,000
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	1,000	1,000
26	Reg. Rd. 22, Bayly St. / Sandy Beach Rd. Intersection, Intersection modifications, Pickering	Pre-Construction	-	-	-	-	-	500	500
		Construction	-	-	-	-	-	3,000	3,000
		Total	-	-	-	-	-	3,500	3,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
27	Reg. Rd. 22, Bayly St. from Brock Rd. to Westney Rd.,	Pre-Construction	-	-	-	1,500	-	4,000	5,500
	Beyond forecast widen from 5 to 7 lanes to add HOV lanes including structure widening, Pickering / Ajax	Construction	-	-	-	-	-	-	-
		Total	-	-	-	1,500	-	4,000	5,500
28	Reg. Rd. 22, Bayly St. from Westney Rd. to Harwood Ave.,	Pre-Construction	-	-	300	500	400	500	1,700
	Widen road from 5 to 7 lanes to add HOV lanes. Associated water supply and sanitary sewer works, Ajax	Construction	-	-	-	-	-	15,000	15,000
		Total	-	-	300	500	400	15,500	16,700
29	Reg. Rd. 22, Bayly St. from Harwood Ave. to Salem Rd.,	Pre-Construction	-	-	-	-	-	750	750
	Beyond forecast widen road from 4 to 6 lanes to add HOV lanes, Ajax	Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	750	750
30	Reg. Rd. 22, Victoria St. / Brock St. Intersection,	Pre-Construction	80	-	300	200	-	-	500
	Intersection modifications, Whitby	Construction	-	-	-	-	-	4,000	4,000
		Total	80	-	300	200	-	4,000	4,500
31	Reg. Rd. 22, Victoria St. from South Blair St. to west of Thickson Rd.,	Pre-Construction	-	-	-	-	-	-	-
	Construct new alignment and widen road to 5 lanes. Associated water supply - feedermain works, Whitby	Construction	2,400	-	-	-	-	-	-
		Total	2,400	-	-	-	-	-	-
32	Reg. Rd. 22, Victoria St. / Bloor St. from east of Thickson Rd. to west of Stevenson Rd.,	Pre-Construction	-	-	-	-	-	-	-
	Widen road from 2 / 3 to 4 / 5 lanes. Associated water supply works, Whitby / Oshawa	Construction	-	1,000	13,000	-	-	-	14,000
		Total	-	1,000	13,000	-	-	-	14,000
33	Reg. Rd. 22, Bloor St. from Ritson Rd. to Farewell St.,	Pre-Construction	-	-	-	-	750	1,750	2,500
	Beyond forecast widen road from 3 to 5 lanes including intersection modifications at Bloor St. and Ritson Rd., Oshawa	Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	750	1,750	2,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
34	Reg. Rd. 22, Bloor St. from east of Harmony Rd. to Grandview St., Realignment and widen existing road to 4 / 5 lanes with new CP Rail grade separation, Oshawa	Pre-Construction	150	-	-	-	-	-	-
		Construction	-	-	18,000	-	-	-	18,000
		Total	150	-	18,000	-	-	-	18,000
35	Reg. Rd. 22, Bloor St. from Prestonvale Rd. to Courtice Rd., Beyond forecast widen road from 2 to 3 lanes and modify profile. Associated water supply - feedermain (Townline Rd. to Trulls Rd.) and sanitary sewer - Trunk Sewer, Clarington	Pre-Construction	-	-	700	-	1,000	900	2,600
		Construction	-	-	-	-	-	-	-
		Total	-	-	700	-	1,000	900	2,600
36	Reg. Rd. 23, Lake Ridge Rd. from Bayly St. to Kingston Rd. - Dundas St., Widen from 2 to 4 / 5 lanes, Ajax / Whitby	Pre-Construction	750	-	-	-	-	-	-
		Construction	-	7,700	5,000	-	-	-	12,700
		Total	750	7,700	5,000	-	-	-	12,700
37	Reg. Rd. 23, Lake Ridge Rd. from Kingston Rd. - Dundas St. to Rossland Rd., Widen from 2 to 4 / 5 lanes. 2026: Lake Ridge Road and Rossland Road Intersection 2031: Widen from north of Kingston Rd. / Dundas St. to south of Rossland Road, Ajax / Whitby	Pre-Construction	700	-	700	1,000	-	200	1,900
		Construction	-	-	-	7,000	-	10,000	17,000
		Total	700	-	700	8,000	-	10,200	18,900
38	Reg. Rd. 26, Thickson Rd. from Wentworth St. to C.N. Rail Kingston, Reconstruct and widen road from 2 to 4 lanes, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,400	-	-	-	-	-	-
		Total	1,400	-	-	-	-	-	-
39	Reg. Rd. 26, Thickson Rd. from Consumers Dr. to Dundas St., Beyond forecast widen from 5 to 7 lanes, including new structure. Associated water supply works, Whitby	Pre-Construction	-	-	-	1,250	-	5,500	6,750
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	1,250	-	5,500	6,750

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
40	Reg. Rd. 26, Thickson Rd. / Rossland Rd. Intersection, Reconstruct and modify intersection, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	4,800	-	-	-	-	4,800
		Total	-	4,800	-	-	-	-	4,800
41	Reg. Rd. 26, Thickson Rd. from Taunton Rd. to Hwy. 407, Widen road from 2 to 4 / 5 lanes, Whitby	Pre-Construction	1,000	-	1,500	500	-	1,000	3,000
		Construction	-	-	-	-	25,000	-	25,000
		Total	1,000	-	1,500	500	-	26,000	28,000
42	Reg. Rd. 26, Thickson Rd. from Winchester Rd. to Baldwin St., Beyond forecast widen from 2 to 5 lanes, Whitby	Pre-Construction	-	-	-	-	-	4,750	4,750
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	4,750	4,750
43	Reg. Rd. 27, Altona Rd. from north of Strouds Ln. to Finch Ave., Beyond forecast widen road from 2 to 3 lanes, Pickering	Pre-Construction	-	-	-	-	-	1,750	1,750
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	1,750	1,750
44	Reg. Rd. 28, Peter Matthews Dr. from Alexander Knox Rd. to Hwy. 7, Construct new alignment to 2 lanes. The Region's portion shown is for 26% of the project cost. Seaton Landowners responsible for 74% of the project cost, Pickering	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	-	-	12,000	12,000
		Total	-	-	-	-	-	12,000	12,000
45	Reg. Rd. 28, Rossland Rd. / Cochrane St. Intersection, Intersection modifications, Whitby	Pre-Construction	-	150	-	-	-	-	150
		Construction	-	-	-	-	6,000	-	6,000
		Total	-	150	-	-	6,000	-	6,150
46	Reg. Rd. 28, Rossland Rd. / Garden St. Intersection, Intersection modifications, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	4,000	-	-	-	4,000
		Total	-	-	4,000	-	-	-	4,000
47	Reg. Rd. 28, Rossland Rd. from Ritson Rd. to Harmony Rd., Widen road from 3 to 5 lanes, including structure widening. Associated water supply works, Oshawa	Pre-Construction	835	-	1,000	-	1,000	-	2,000
		Construction	-	-	-	-	-	15,500	15,500
		Total	835	-	1,000	-	1,000	15,500	17,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
48	Reg. Rd. 28, Rossland Rd. from Harmony Rd. to east of Townline Rd., Beyond forecast construct new alignment to 3 lanes, including new bridge crossing of Harmony Creek tributary, Oshawa	Pre-Construction	-	-	-	750	-	5,500	6,250
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	750	-	5,500	6,250
49	Reg. Rd. 29, Liverpool Rd. from Hwy. 401 to Kingston Rd., Widen from 5 to 6 / 7 lanes. Associated water supply works, Pickering	Pre-Construction	445	-	400	400	-	-	800
		Construction	-	-	-	-	-	6,000	6,000
		Total	445	-	400	400	-	6,000	6,800
50	Reg. Rd. 31, Westney Rd. from Finley Ave. to Harwood Ave., Road rehabilitation including intersection modifications at Finley Ave., Monarch Ave., and Harwood Ave. (combined with item 119) Associated water supply works., Ajax	Pre-Construction	-	71	133	-	-	-	204
		Construction	-	-	-	-	-	2,905	2,905
		Total	-	71	133	-	-	2,905	3,109
51	Reg. Rd. 31, Westney Rd. from Bayly St. to Hwy. 401., Widen from 5 to 7 lanes, Ajax	Pre-Construction	-	-	300	-	300	-	600
		Construction	-	-	-	-	-	9,000	9,000
		Total	-	-	300	-	300	9,000	9,600
52	Reg. Rd. 31, Westney Rd. from Hwy. 401 to south of Kingston Rd., Widen from 5 to 7 lanes, including structure widening and intersection modifications at Ritchie Ave., Ajax	Pre-Construction	-	-	500	350	-	-	850
		Construction	-	-	-	-	-	7,000	7,000
		Total	-	-	500	350	-	7,000	7,850
53	Reg. Rd. 31, Westney Rd. from south of Greenwood to Hwy. 407, Beyond forecast construct new 2 lane Greenwood by-pass, Pickering	Pre-Construction	-	-	-	-	-	3,900	3,900
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	3,900	3,900
54	Reg. Rd. 33, Harmony Rd. from Conlin Rd. to Britannia Ave., Beyond forecast widen road from 2 to 4 lanes, Oshawa	Pre-Construction	-	-	-	-	-	1,500	1,500
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	1,500	1,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

Durham Budget 2023		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
55	Reg. Rd. 36, Hopkins St. Overpass, Beyond forecast construct new 4 lane Hopkins St. overpass of Hwy. 401. Associated water supply works, Whitby	Pre-Construction	-	-	-	-	-	5,400	5,400
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	5,400	5,400
56	Reg. Rd. 36, Hopkins St. from Consumers Dr. to Dundas St., Widen from 2 to 3 lanes, with new CPR grade separation. Associated water supply and sanitary sewer works, Whitby	Pre-Construction	650	-	-	2,000	300	500	2,800
		Construction	-	-	-	-	-	17,000	17,000
		Total	650	-	-	2,000	300	17,500	19,800
57	Reg. Rd. 37, Finch Ave. from Altona Rd. to Brock Rd., Widen from 2 to 3 lanes. Associated water supply and sanitary sewer works, Pickering	Pre-Construction	2,000	-	-	3,000	500	1,000	4,500
		Construction	-	-	-	-	-	30,000	30,000
		Total	2,000	-	-	3,000	500	31,000	34,500
58	Reg. Rd. 38, Whites Rd. from Bayly St. to Kingston Rd., Beyond forecast widen road from 5 to 7 lanes to add HOV lanes, including structure widening, Pickering	Pre-Construction	-	-	-	-	-	2,100	2,100
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	2,100	2,100
59	Reg. Rd. 38, Whites Rd. from north of Kingston Rd. to Finch Ave., Beyond forecast widen road from 5 to 7 lanes to add HOV lanes, including structure replacement. Associated water supply works, Pickering	Pre-Construction	-	-	1,500	-	2,500	600	4,600
		Construction	-	-	-	-	-	-	-
		Total	-	-	1,500	-	2,500	600	4,600
60	Reg. Rd. 38, Whites Rd. from Finch Ave. to approximately 0.3 km south of Third Concession Rd., Widen from 2 to 6 lanes to add HOV lanes, with new CPR grade separation. The Region's portion shown is for 75% of the project cost. Seaton Landowners responsible for 25% of the project cost, Pickering	Pre-Construction	1,200	2,700	20,000	1,000	-	-	23,700
		Construction	-	-	-	-	26,000	-	26,000
		Total	1,200	2,700	20,000	1,000	26,000	-	49,700


Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
61	Reg. Rd. 38, Whites Rd. from south of Third Concession Rd. to Taunton Rd., Construct new alignment to 6 lanes to add through lanes and HOV lanes, with new bridge crossing of West Duffins Creek. The Region's portion shown is for 1% of the project cost. Seaton Landowners responsible for 99% of the project cost, Pickering	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	1,050	-	-	-	-	1,050
		Total	-	1,050	-	-	-	-	1,050
62	Reg. Rd. 41, Salem Rd. / Rossland Rd. Intersection, Intersection modifications, Ajax	Pre-Construction	-	-	100	-	-	-	100
		Construction	-	-	-	1,600	-	-	1,600
		Total	-	-	100	1,600	-	-	1,700
63	Reg. Rd. 42, Darlington - Clark Townline Rd. / Reg. Hwy. 2 Intersection, Intersection modifications, Clarington	Pre-Construction	300	-	300	300	-	-	600
		Construction	-	-	-	-	-	5,000	5,000
		Total	300	-	300	300	-	5,000	5,600
64	Reg. Rd. 52, Thornton Rd. from north of Stellar Dr. to King St., Widen from 2 to 4 / 5 lanes, with new CPR grade separation. Associated water supply and sanitary sewer works, Oshawa	Pre-Construction	-	-	800	300	500	-	1,600
		Construction	-	-	-	-	-	17,000	17,000
		Total	-	-	800	300	500	17,000	18,600
65	Reg. Rd. 53, Stevenson Rd. / Phillip Murray Ave. Intersection, Intersection modifications, Oshawa	Pre-Construction	-	150	50	-	-	-	200
		Construction	-	-	-	-	2,000	-	2,000
		Total	-	150	50	-	2,000	-	2,200
66	Reg. Rd. 53, Stevenson Rd. from CPR Belleville to Bond St., Widen road from 4 to 5 lanes. Associated water supply (Hwy. 401 - Bond St.) and sanitary sewer works, Oshawa	Pre-Construction	400	-	1,000	600	-	-	1,600
		Construction	-	-	-	-	10,000	-	10,000
		Total	400	-	1,000	600	10,000	-	11,600

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

			Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
		2024			2025	2026	2027	2028-2032		
67	Reg. Rd. 53, Stevenson Rd. from Bond St. to Rossland Rd., Widen road from 3 / 4 to 5 lanes. Associated water supply works, Oshawa	Pre-Construction	400	-	1,000	600	-	-	1,600	
		Construction	-	-	-	-	17,500	17,500		
		Total	400	-	1,000	600	-	17,500	19,100	
68	Reg. Rd. 55, Townline Rd. from Beatrice St. to Taunton Rd., Widen and urbanize road from 2 to 3 lanes from Whitelaw Ave. to Taunton Rd. and storm sewer from Beatrice St. to Taunton Rd., Oshawa / Clarington	Pre-Construction	200	-	530	-	-	-	530	
		Construction	-	-	2,000	-	-	-	2,000	
		Total	200	-	2,530	-	-	-	2,530	
69	Reg. Rd. 57, Bowmanville Ave. from Baseline Rd. to south of Reg. Hwy. 2, Widen road from 2 to 4 lanes from Baseline Rd. to S. of Hwy. 2, including structure widening. Associated water supply and sanitary sewer works, Clarington	Pre-Construction	600	-	-	-	-	-	-	
		Construction	-	35,300	-	-	-	-	35,300	
		Total	600	35,300	-	-	-	-	35,300	
70	Reg. Rd. 57, Bowmanville Ave. from north of Stevens Rd. to Nash Rd., Widen road from 2 to 4 lanes from north of Stevens Rd. to Nash Rd. Associated sanitary sewer works, Clarington	Pre-Construction	1,000	-	100	-	500	-	600	
		Construction	-	-	-	-	-	12,000	12,000	
		Total	1,000	-	100	-	500	12,000	12,600	
71	Reg. Rd. 57, Bowmanville Ave. / Concession Road 6 Intersection, Intersection modifications, Clarington	Pre-Construction	-	-	-	500	-	600	1,100	
		Construction	-	-	-	-	-	5,000	5,000	
		Total	-	-	-	500	-	5,600	6,100	
72	Reg. Rd. 57, Bowmanville Ave. / Concession 7 Intersection, Intersection modifications, Clarington	Pre-Construction	50	-	300	300	-	-	600	
		Construction	-	-	-	-	5,000	-	5,000	
		Total	50	-	300	300	5,000	-	5,600	
73	Reg. Rd. 58, Manning Rd. / Adelaide Ave. Connection from Garrard Rd. to Thornton Rd., Construct new road to 3 lanes with new crossing of Corbett Creek. Associated water supply works, Whitby / Oshawa	Pre-Construction	1,000	-	200	-	-	-	200	
		Construction	-	-	-	17,000	-	-	17,000	
		Total	1,000	-	200	17,000	-	-	17,200	

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
74	Reg. Rd. 58, Adelaide Ave. from Townline Rd. to Trulls Rd., Construct new bridge crossing of Farewell Creek and construct new 3 lane road. Associated sanitary sewer works, Clarington	Pre-Construction	10,500	-	6,000	4,000	-	250	10,250
	Construction	-	-	-	-	-	22,000	22,000	
	Total	10,500	-	6,000	4,000	-	22,250	32,250	
75	Reg. Rd. 59, Gibb St. from east of Stevenson Rd. to Simcoe St., Widen road from 3 to 4 lanes. Associated water supply and sanitary sewer works, Oshawa	Pre-Construction	3,000	4,000	5,500	-	-	-	9,500
	Construction	-	-	-	-	12,000	-	12,000	
	Total	3,000	4,000	5,500	-	12,000	-	21,500	
76	Reg. Rd. 59, Gibb St. / Olive Ave. Connection from Simcoe St. to Ritson Rd., Construct new road and widen existing from 2 / 3 to 4 / 5 lanes. Associated water supply and sanitary sewer works, Oshawa	Pre-Construction	-	-	-	20,950	-	-	20,950
	Construction	-	-	-	-	-	12,000	12,000	
	Total	-	-	-	20,950	-	12,000	32,950	
77	Reg. Hwy. 2 from Townline Rd. to Courtice Rd., Modify corridor, Clarington	Pre-Construction	-	-	-	500	-	1,000	1,500
	Construction	-	-	-	-	-	5,000	5,000	
	Total	-	-	-	500	-	6,000	6,500	
78	Reg. Hwy. 2 / Lambs Rd. Intersection, Intersection modifications, Clarington	Pre-Construction	300	-	300	-	-	300	600
	Construction	-	-	-	-	-	5,000	5,000	
	Total	300	-	300	-	-	5,300	5,600	
79	Reg. Hwy. 12, Baldwin St. from north of Taunton Rd. to north of Garden St., Widen road from 2 to 4 / 5 lanes, Whitby	Pre-Construction	-	-	1,500	-	500	1,400	3,400
	Construction	-	-	-	-	-	25,000	25,000	
	Total	-	-	1,500	-	500	26,400	28,400	
80	Reg. Hwy. 47 from York Durham Line to Goodwood Rd., Beyond forecast widen from 2 to 4 lanes with intersection modifications at Goodwood Rd., Uxbridge	Pre-Construction	-	-	-	1,500	-	3,500	5,000
	Construction	-	-	-	-	-	-	-	
	Total	-	-	-	1,500	-	3,500	5,000	
81	Reg. Hwy. 47 / Concession 6 Intersection, Reconstruct and modify intersection to a roundabout, Uxbridge	Pre-Construction	-	-	-	150	-	600	750
	Construction	-	-	-	-	-	5,000	5,000	
	Total	-	-	-	150	-	5,600	5,750	
Road / Structure Construction - Growth Subtotal			39,570	60,058	89,863	81,800	89,450	402,221	723,392

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Traffic Control & Other Programs - Growth									
82	Bridge and Pavement Management Program, Various	Pre-Construction	400	400	400	400	400	2,000	3,600
		Construction	-	-	-	-	-	-	-
		Total	400	400	400	400	400	2,000	3,600
83	Signal Installation Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	2,725	2,225	2,225	2,225	2,225	11,550	20,450
		Total	2,725	2,225	2,225	2,225	2,225	11,550	20,450
84	Intelligent Transportation System (ITS) Projects, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	655	650	680	595	680	2,795	5,400
		Total	655	650	680	595	680	2,795	5,400
85	Engineering Activities, Various	Pre-Construction	450	450	450	450	450	2,250	4,050
		Construction	-	-	-	-	-	-	-
		Total	450	450	450	450	450	2,250	4,050
86	Property Acquisition, Various	Pre-Construction	300	300	300	300	100	500	1,500
		Construction	-	-	-	-	-	-	-
		Total	300	300	300	300	100	500	1,500
87	Roadside Landscaping Projects, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	150	150	150	150	150	750	1,350
		Total	150	150	150	150	150	750	1,350
88	Contingencies Development Related, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	300	300	300	300	300	1,500	2,700
		Total	300	300	300	300	300	1,500	2,700
89	Regional Share of Services for Residential Subdivision Development, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,600	1,600	300	300	300	1,500	4,000
		Total	1,600	1,600	300	300	300	1,500	4,000
Traffic Control & Other Programs - Growth Subtotal			6,580	6,075	4,805	4,720	4,605	22,845	43,050

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Transportation Plans & Studies - Growth									
90	Transportation Plans and Studies, Various	Pre-Construction	150	150	500	150	150	750	1,700
		Construction	-	-	-	-	-	-	-
		Total	150	150	500	150	150	750	1,700
Transportation Plans & Studies - Growth Subtotal			150	150	500	150	150	750	1,700
Investing in Canada Infrastructure Program (ICIP) Projects									
91	Reg. Hwy. 2, Kingston Rd. from Altona Rd. to Notion Rd., Bus Rapid Transit Lanes, Pickering	Pre-Construction	5,025	-	-	-	-	-	-
		Construction	54,440	29,500	5,455	-	-	-	34,955
		Total	59,465	29,500	5,455	-	-	-	34,955
92	Reg. Hwy. 2, Kingston Road - Dundas Street (Various Locations), Bus Rapid Transit Lanes (DC Elig), Ajax / Whitby / Oshawa	Pre-Construction	1,375	-	-	-	-	-	-
		Construction	9,398	20,922	-	-	-	-	20,922
		Total	10,773	20,922	-	-	-	-	20,922
93	Reg. Hwy. 2, Kingston Road - Dundas Street (Various Locations), Bus Rapid Transit Lanes (DC Inelig), Ajax / Whitby / Oshawa	Pre-Construction	200	-	-	-	-	-	-
		Construction	8,200	-	-	-	-	-	-
		Total	8,400	-	-	-	-	-	-
Investing in Canada Infrastructure Program (ICIP) Projects Subtotal			78,638	50,422	5,455	-	-	-	55,877
Road Rehabilitation / Reconstruction Projects									
94	Reg. Rd. 1, Brock Rd. from 0.2 km north of Uxbridge / Pickering Townline Rd to 1.2 km north of Webb Rd., Road rehabilitation, Uxbridge	Pre-Construction	-	-	-	-	-	-	-
		Construction	3,500	-	-	-	-	-	-
		Total	3,500	-	-	-	-	-	-
95	Reg. Rd. 1, Conc. Rd. 7 from Reg. Rd. 11 to 0.4 km north of Ashworth Rd., Road rehabilitation / reconstruction, Uxbridge	Pre-Construction	-	-	-	-	-	-	-
		Construction	3,100	-	-	-	-	-	-
		Total	3,100	-	-	-	-	-	-

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
96	Reg. Rd. 1, Conc. Rd. 7 from Foster Dr. to south limit of Leaskdale, Road rehabilitation / reconstruction, Uxbridge	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,250	-	-	-	-	-	-
		Total	1,250	-	-	-	-	-	-
97	Reg. Rd. 2, Simcoe St. from Olive Ave. to north of John St., Road rehabilitation / reconstruction in conjunction with water / sewer project, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,250	-	-	-	-	-	-
		Total	1,250	-	-	-	-	-	-
98	Reg. Rd. 3, Grandview St. N. from Hwy. 407 to Columbus Rd. E. and Columbus Rd. E. from Grandview St. N. to Townline Rd. N., Road rehabilitation / reconstruction, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	293	-	-	-	-	-	-
		Total	293	-	-	-	-	-	-
99	Reg. Rd. 3 from Townline Rd. N. to Enfield Rd., Road rehabilitation / reconstruction, Clarington	Pre-Construction	300	-	-	-	-	-	-
		Construction	-	2,500	-	-	-	-	2,500
		Total	300	2,500	-	-	-	-	2,500
100	Reg. Rd. 4, Taunton Rd. from east of Townline Rd. to west of Enfield Rd., Road rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	5,100	-	-	-	-	-	-
		Total	5,100	-	-	-	-	-	-
101	Reg. Rd. 4, Taunton Rd. from 0.4 km west of Solina Rd. to 0.2 km west of Bowmanville Ave., Road rehabilitation. 2023: West of Holt Rd. to Maple Grove Rd. 2024: West of Solina Rd. to Hwy. 418. 2025: Maple Grove Rd. to 0.2 km west of Bowmanville Ave. in conjunction with rehabilitation / replacing bridge 0.2 km west of Old Scugog Rd (Hampton Bridge), Clarington	Pre-Construction	750	750	-	-	-	-	750
		Construction	-	6,700	14,600	-	-	-	21,300
		Total	750	7,450	14,600	-	-	-	22,050
102	Reg. Rd. 4, Taunton Rd. from Reg. Rd. 17 to 0.1 km west of Tamblyn Rd., Road rehabilitation and intersection modifications at Reg. Rd. 17 - Best Rd., Clarington	Pre-Construction	200	-	-	-	-	-	-
		Construction	-	-	3,000	-	-	-	3,000
		Total	200	-	3,000	-	-	-	3,000

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
103	Reg. Rd. 7, Island Rd. from Hwy. 7A to Gerrow Rd., Road rehabilitation, Scugog	Pre-Construction	-	100	-	-	-	-	100
		Construction	-	-	2,500	-	-	-	2,500
		Total	-	100	2,500	-	-	-	2,600
104	Reg. Rd. 7, Island Rd. from Gerrow Rd. to north side of Demara Rd., Road rehabilitation, Scugog	Pre-Construction	-	-	300	-	250	-	550
		Construction	-	-	-	-	-	7,500	7,500
		Total	-	-	300	-	250	7,500	8,050
105	Reg. Rd. 7, Island Rd. from north side of Demara Rd. to Fralicks Beach Rd., Road rehabilitation, Scugog	Pre-Construction	-	-	-	-	250	200	450
		Construction	-	-	-	-	-	5,000	5,000
		Total	-	-	-	-	250	5,200	5,450
106	Reg. Rd. 8, Reach St. from east of Old Simcoe St. to Bigelow St., Road rehabilitation / reconstruction, Scugog	Pre-Construction	350	-	-	-	-	-	-
		Construction	-	3,100	-	-	-	-	3,100
		Total	350	3,100	-	-	-	-	3,100
107	Reg. Rd. 9, Ganaraska Rd. from 2.0 km east of Maynard Rd. to 0.4 km east of Newtonville Rd., Road rehabilitation / reconstruction in combination with Newtonville Rd., Clarington	Pre-Construction	250	-	-	-	-	-	-
		Construction	-	4,000	-	-	-	-	4,000
		Total	250	4,000	-	-	-	-	4,000
108	Reg. Rd. 13, Zephyr Rd. from Conc. 3 (Reg. Rd. 39) to Conc. 4, Road rehabilitation / reconstruction, Uxbridge	Pre-Construction	350	-	-	-	-	-	-
		Construction	1,350	-	-	-	-	-	-
		Total	1,700	-	-	-	-	-	-

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
109	Reg. Rd. 13 from Lake Ridge Rd. to 1.5 km west of Hwy. 7 / 12, Road rehabilitation / reconstruction including modifications to the profile. 2023 road reconstruction from 0.85 km west of Sideroad 17 to 0.415 km east of Sideroad 17. 2024 road reconstruction from 0.415 km east of Sideroad 17 to 1.5 km west of Hwy. 7 / 12, Brock	Pre-Construction	-	-	-	-	-	-	-
		Construction	2,810	5,530	-	-	-	-	5,530
		Total	2,810	5,530	-	-	-	-	5,530
110	Reg. Rd. 14, Liberty St. from Longworth Ave. to Concession Rd. 3, Road rehabilitation including roundabout at Concession Rd. 3 intersection and signalization and modifications at Liberty Street and Freeland Ave - Bons Ave. (combined with item 22) Associated water supply works, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	4,910	-	-	-	-	-	-
		Total	4,910	-	-	-	-	-	-
111	Reg. Rd. 17, Main St. from Winter Rd. to Station St., Road rehabilitation / reconstruction. Associated water supply and sanitary sewer works, Clarington	Pre-Construction	500	100	300	-	-	-	400
		Construction	-	-	-	8,000	-	-	8,000
		Total	500	100	300	8,000	-	-	8,400
112	Reg. Rd. 18, Newtonville Rd. from Kendal Bridge to Ganaraska Rd., Road rehabilitation / reconstruction in combination with Ganaraska Rd., Clarington	Pre-Construction	470	-	-	-	-	-	-
		Construction	-	3,000	-	-	-	-	3,000
		Total	470	3,000	-	-	-	-	3,000
113	Reg. Rd. 19, Shirley Rd. from 0.5 km east of Graham Rd. to Old Scugog Rd., Road reconstruction, Scugog	Pre-Construction	-	1,000	600	200	-	-	1,800
		Construction	-	-	-	-	9,000	-	9,000
		Total	-	1,000	600	200	9,000	-	10,800

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
114	Reg. Rd. 21, Goodwood Rd. from Reg. Hwy. 47 to Ridge Rd., Urbanize road and modify corridor through hamlet of Goodwood, including streetscape modifications, Uxbridge	Pre-Construction	-	250	-	100	-	-	350
		Construction	-	-	-	5,000	-	5,000	
		Total	-	250	-	100	5,000	-	5,350
115	Reg. Rd. 23, Lake Ridge Rd. from 0.1 km south of Vallentyne to 0.25 km north of Ravenshoe Rd., Road rehabilitation and curve reconfiguration, Brock / Uxbridge	Pre-Construction	150	150	-	-	-	-	150
		Construction	-	-	2,500	-	-	-	2,500
		Total	150	150	2,500	-	-	-	2,650
116	Reg. Rd. 23, Beach Rd. / Commodore Rd. Intersection, Curve Reconfiguration, Brock	Pre-Construction	-	-	-	-	250	100	350
		Construction	-	-	-	-	-	1,250	1,250
		Total	-	-	-	-	250	1,350	1,600
117	Reg. Rd. 23, Mara Rd. / Shore Line Rd. Intersection, Curve Reconfiguration, Brock	Pre-Construction	-	-	-	-	250	100	350
		Construction	-	-	-	-	-	1,800	1,800
		Total	-	-	-	-	250	1,900	2,150
118	Reg. Rd. 28, Rossland Rd. from Park Rd. to Simcoe St., Road rehabilitation / reconstruction in conjunction with bridge rehabilitation. Associated water supply works, Oshawa	Pre-Construction	150	250	400	-	-	-	650
		Construction	-	-	-	5,000	-	-	5,000
		Total	150	250	400	5,000	-	-	5,650
119	Reg. Rd. 31, Westney Rd. from Finley Ave. to Harwood Ave., Road rehabilitation including intersection modifications at Finley Ave., Monarch Ave., and Harwood Ave. (combined with item 50) Associated water supply works., Ajax	Pre-Construction	-	80	118	-	-	-	198
		Construction	-	-	-	-	-	3,275	3,275
		Total	-	80	118	-	-	3,275	3,473
120	Reg. Rd. 42, Darlington - Clark Townline Rd. from 50 m north of Reg. Hwy. 2 to Concession St., Road rehabilitation / reconstruction, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	3,000	-	-	-	-	3,000
		Total	-	3,000	-	-	-	-	3,000

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
121	Reg. Rd. 56, Farewell St. from Harbour Rd. to Bloor St., Road rehabilitation / reconstruction. Associated water supply works, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	2,000	-	-	-	-	-	-
		Total	2,000	-	-	-	-	-	-
122	Reg. Rd. 59, Olive Ave. from Simcoe St. to Drew St., Road rehabilitation / reconstruction in conjunction with water / sewer project, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	125	-	-	-	-	-	-
		Total	125	-	-	-	-	-	-
123	Reg. Rd. 60, Wentworth St. from Park Rd. to 0.125 km east of Cedar St., Road rehabilitation / reconstruction, Oshawa	Pre-Construction	300	-	-	-	-	-	-
		Construction	-	-	1,500	-	-	-	1,500
		Total	300	-	1,500	-	-	-	1,500
124	Reg. Rd. 60, Wentworth St. from Oshawa Creek Bridge to Farewell St., Road rehabilitation / reconstruction, Oshawa	Pre-Construction	2,150	-	1,000	-	-	-	1,000
		Construction	-	3,000	-	9,000	-	-	12,000
		Total	2,150	3,000	1,000	9,000	-	-	13,000
125	Reg. Hwy. 2 / Newtonville Rd. Intersection, Road rehabilitation / reconstruction, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	450	-	-	-	-	-	-
		Total	450	-	-	-	-	-	-
126	Road Resurfacing and Rehabilitation Preparatory Activities Allowance, Various	Pre-Construction	350	350	350	350	350	1,750	3,150
		Construction	-	-	-	-	-	-	-
		Total	350	350	350	350	350	1,750	3,150
127	Road and Structures Rehabilitation Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	500	2,600	2,700	2,800	2,900	15,000	26,000
		Total	500	2,600	2,700	2,800	2,900	15,000	26,000
128	Road Resurfacing / Rehabilitation Other Locations, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	5,752	10,541	17,133	21,550	28,750	199,025	276,999
		Total	5,752	10,541	17,133	21,550	28,750	199,025	276,999
Road Rehabilitation / Reconstruction Projects Subtotal			38,660	47,000	47,000	47,000	47,000	235,000	423,000

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Structure Rehabilitation / Replacement									
129	Structure Investigation Program, Various	Pre-Construction	100	100	100	100	100	500	900
		Construction	-	-	-	-	-	-	-
		Total	100	100	100	100	100	500	900
130	Bridge Maintenance and Repairs Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	200	200	200	200	200	1,000	1,800
		Total	200	200	200	200	200	1,000	1,800
131	Expansion Joint Repairs Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	60	60	60	60	60	300	540
		Total	60	60	60	60	60	300	540
132	Culvert Maintenance and Repairs Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	150	150	150	150	150	750	1,350
		Total	150	150	150	150	150	750	1,350
133	Reg. Rd. 1, Main St. Over Uxbridge Brook Culvert, 0.3 km north of Brock St., Culvert rehabilitation, Uxbridge	Pre-Construction	-	-	-	-	-	150	150
		Construction	-	-	-	-	-	1,800	1,800
		Total	-	-	-	-	-	1,950	1,950
134	Reg. Rd. 2, Simcoe St. Over Oshawa Creek Bridge, 0.7 km north of Taunton Rd., Bridge rehabilitation, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	2,050	-	-	-	-	-	-
		Total	2,050	-	-	-	-	-	-
135	Reg. Rd. 2, Simcoe St. Culvert, 0.5 km north of Scugog Line 3, Culvert rehabilitation, Scugog	Pre-Construction	-	-	-	-	-	50	50
		Construction	-	-	-	-	-	350	350
		Total	-	-	-	-	-	400	400
136	Reg. Rd. 2, Seagrave Bridge, 0.55 km south of Saintfield Rd., Bridge rehabilitation, Scugog	Pre-Construction	50	-	-	-	-	-	-
		Construction	-	-	2,950	-	-	-	2,950
		Total	50	-	2,950	-	-	-	2,950

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
137	Reg. Rd. 3, Bickle Bridge, 1.1 km east of Thickson Rd., Bridge rehabilitation, Whitby	Pre-Construction	-	-	-	-	-	125	125
		Construction	-	-	-	-	2,000	2,000	
		Total	-	-	-	-	2,125	2,125	
138	Reg. Rd. 3, Winchester Rd. Culvert, 0.3 km west of Given Rd., Culvert rehabilitation, Oshawa	Pre-Construction	-	-	75	-	-	-	75
		Construction	-	-	-	-	1,300	-	1,300
		Total	-	-	75	-	1,300	-	1,375
139	Reg. Rd. 3, Enniskillen Bridge, 2.1 km west of Scugog Rd., Bridge rehabilitation, Clarington	Pre-Construction	-	-	-	-	200	-	200
		Construction	-	-	-	-	-	2,400	2,400
		Total	-	-	-	-	200	2,400	2,600
140	Reg. Rd. 4, W.A. Twelvetees Bridge, 0.3 km east of Whites Rd., Bridge rehabilitation of existing 4 lane structure, Pickering	Pre-Construction	230	-	-	-	-	-	-
		Construction	-	-	-	5,400	-	-	5,400
		Total	230	-	-	5,400	-	-	5,400
141	Reg. Rd. 4, Taunton Road West Over CPR Bridge, 0.8 km east of Brock Rd., Bridge rehabilitation, Pickering	Pre-Construction	-	-	-	-	-	75	75
		Construction	-	-	-	-	-	500	500
		Total	-	-	-	-	-	575	575
142	Reg. Rd. 4, Taunton Rd. Culvert, 0.9 km east of Courtice Rd., Culvert Replacement in conjunction with road rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	1,950	-	-	-	1,950
		Total	-	-	1,950	-	-	-	1,950
143	Reg. Rd. 4, Hampton Bridge, 1.0 km west of Bowmanville Ave., Bridge rehabilitation / replacement in conjunction with road rehabilitation, Clarington	Pre-Construction	150	-	-	-	-	-	-
		Construction	-	-	3,100	-	-	-	3,100
		Total	150	-	3,100	-	-	-	3,100
144	Reg. Rd. 4, Taunton Rd. Culvert, 0.7 km east of Bethesda Rd., Culvert rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	550	-	-	-	-	550
		Total	-	550	-	-	-	-	550
145	Reg. Rd. 4, Soper Creek Bridge, 2.97 km east of Liberty St., Bridge rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	1,500	-	-	1,500
		Total	-	-	-	1,500	-	-	1,500

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
146	Reg. Rd. 4, Wilmot Creek Bridge, 1.3 km east of Reg. Rd. 42, Bridge rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	125	125
		Construction	-	-	-	-	-	2,000	2,000
		Total	-	-	-	-	-	2,125	2,125
147	Reg. Rd. 5, Ninth Concession Rd. Bridge, 0.35 km west of Sideline 20, Bridge rehabilitation, Scugog	Pre-Construction	-	-	-	-	-	50	50
		Construction	-	-	-	-	-	300	300
		Total	-	-	-	-	-	350	350
148	Reg. Rd. 5, Ninth Concession Rd. Over Duffins Creek Tributary Culvert, 0.05 km west of Sideline 12, Culvert rehabilitation, Pickering	Pre-Construction	100	-	-	-	-	-	-
		Construction	-	-	1,000	-	-	-	1,000
		Total	100	-	1,000	-	-	-	1,000
149	Reg. Rd. 6, Saintfield Rd. Bridge, 4 km east of Hwy. 12, Bridge replacement, Scugog	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	3,750	-	-	-	-	3,750
		Total	-	3,750	-	-	-	-	3,750
150	Reg. Rd. 6 Over Nonquon River Tributary Culvert, 1.1 km west of Simcoe St., Culvert rehabilitation, Scugog	Pre-Construction	-	-	-	-	-	50	50
		Construction	-	-	-	-	-	300	300
		Total	-	-	-	-	-	350	350
151	Reg. Rd. 8 Over Pepperlaw Brook Bridge, 0.75 km west of Concession 3, Bridge replacement, Uxbridge	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,600	-	-	-	-	-	-
		Total	1,600	-	-	-	-	-	-
152	Reg. Rd. 8 Over Pepperlaw Brook Tributary Culvert, 0.3 km west of Concession 4, Culvert rehabilitation, Uxbridge	Pre-Construction	-	100	-	-	-	-	100
		Construction	-	-	-	-	1,000	-	1,000
		Total	-	100	-	-	1,000	-	1,100
153	Reg. Rd. 8, Brock St. W Culvert, 0.05 km west of Victoria St., Beyond forecast culvert replacement, Uxbridge	Pre-Construction	-	-	-	-	-	200	200
		Construction	-	-	-	-	-	-	-
		Total	-	-	-	-	-	200	200
154	Reg. Rd. 8, Reach St. Culvert, 0.4 km east of Lake Ridge Rd., Culvert rehabilitation, Scugog	Pre-Construction	-	-	-	-	75	-	75
		Construction	-	-	-	-	-	1,000	1,000
		Total	-	-	-	-	75	1,000	1,075

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
155	Reg. Rd. 8, Nonquon Bridge, 0.45km west of Hwy. 12, Bridge replacement, Scugog	Pre-Construction	-	-	-	-	-	-	-
		Construction	150	-	-	-	-	-	-
		Total	150	-	-	-	-	-	-
156	Reg. Rd. 11, Sandford Rd. Bridge, 1.1 km west of Uxbridge Township Concession Road 3, Bridge replacement, Uxbridge	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,500	-	-	-	-	-	-
		Total	1,500	-	-	-	-	-	-
157	Reg. Rd. 11, Sandford Rd Over Uxbridge Brook Tributary Culvert, 0.1 km west of Concession 5, Culvert rehabilitation, Uxbridge	Pre-Construction	-	-	-	-	-	50	50
		Construction	-	-	-	-	-	300	300
		Total	-	-	-	-	-	350	350
158	Reg. Rd. 12, Dobson Bridge, 0.2 km east of McRae St., Bridge rehabilitation, Brock	Pre-Construction	-	-	-	-	125	-	125
		Construction	-	-	-	-	-	1,500	1,500
		Total	-	-	-	-	125	1,500	1,625
159	Reg. Rd. 13, Zephyr Rd. Bridge, 0.95 km west of Concession Road VI, Bridge replacement, Uxbridge	Pre-Construction	-	-	-	-	-	-	-
		Construction	3,000	-	-	-	-	-	-
		Total	3,000	-	-	-	-	-	-
160	Reg. Rd. 13 Retaining Wall, 0.2 km east of Hwy. 7 / 12, north side, Retaining wall replacement, Brock	Pre-Construction	-	-	-	-	-	30	30
		Construction	-	-	-	-	-	300	300
		Total	-	-	-	-	-	330	330
161	Reg. Rd. 15, Beaver River Bridge, 0.1 km west of Hwy. 12, Bridge replacement, Brock	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	7,000	-	-	-	-	7,000
		Total	-	7,000	-	-	-	-	7,000
162	Reg. Rd. 15, McRae Bridge, 1.0 km west of Thorah Sideroad, Bridge rehabilitation, Brock	Pre-Construction	-	-	-	125	-	-	125
		Construction	-	-	-	-	-	2,000	2,000
		Total	-	-	-	125	-	2,000	2,125

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
163	Reg. Rd. 16, Ritson Rd. Over CNR Bridge, 0.2 km south of Bloor St., Bridge rehabilitation. 50% of costs to be recovered from CNR as per Board Order No. 98034, Oshawa	Pre-Construction	110	-	-	-	-	-	-
		Construction	-	5,250	-	-	-	-	5,250
		Total	110	5,250	-	-	-	-	5,250
164	Reg. Rd. 16, Ritson Rd. Lot 8 / 9 Concession 4 Culvert, 0.01 km North of Given Rd., Culvert rehabilitation, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	-	1,300	-	1,300
		Total	-	-	-	-	1,300	-	1,300
165	Reg. Rd. 17, Main St. Over Orono Creek Culvert, 0.8 km south of Station St., Culvert rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	50	50
		Construction	-	-	-	-	-	300	300
		Total	-	-	-	-	-	350	350
166	Reg. Rd. 18, Newtonville Rd. Culvert, 0.37 km south of Concession Rd. 3, Culvert rehabilitation, Clarington	Pre-Construction	-	-	-	100	-	-	100
		Construction	-	-	-	-	-	1,500	1,500
		Total	-	-	-	100	-	1,500	1,600
167	Reg. Rd. 18, Newtonville Rd. Culvert, 0.1 km north of Concession Rd. 4, Culvert rehabilitation, Clarington	Pre-Construction	-	-	-	75	-	-	75
		Construction	-	-	-	-	-	1,300	1,300
		Total	-	-	-	75	-	1,300	1,375
168	Reg. Rd. 18, Kendal Bridge, 1.18 km south of Ganaraska Rd., Bridge rehabilitation, Clarington	Pre-Construction	-	-	-	-	-	125	125
		Construction	-	-	-	-	-	2,000	2,000
		Total	-	-	-	-	-	2,125	2,125
169	Reg. Rd. 22, Bayly St. at Westshore Blvd. Culvert, Culvert rehabilitation, Pickering	Pre-Construction	-	125	-	-	-	-	125
		Construction	-	-	-	1,500	-	-	1,500
		Total	-	125	-	1,500	-	-	1,625
170	Reg. Rd. 22, Bloor St. W. Over Oshawa Creek, 0.2 km west of Simcoe St. S., Bridge rehabilitation, Oshawa	Pre-Construction	-	-	-	-	-	200	200
		Construction	-	-	-	-	-	2,500	2,500
		Total	-	-	-	-	-	2,700	2,700

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
171	Reg. Rd. 23, Lake Ridge Rd. Culvert 0.3 km north of Conc. Rd. 2, Culvert rehabilitation, Brock	Pre-Construction	100	-	-	-	-	-	-
		Construction	-	-	1,200	-	-	-	1,200
		Total	100	-	1,200	-	-	-	1,200
172	Reg. Rd. 23, Beaverton Bridge, 50 m north of Simcoe St., Bridge rehabilitation, Brock	Pre-Construction	-	-	-	-	-	-	-
		Construction	600	-	-	-	-	-	-
		Total	600	-	-	-	-	-	-
173	Reg. Rd. 23 Culvert, 1.0 km north of Thorah Concession Rd 7, Culvert rehabilitation, Brock	Pre-Construction	-	-	-	-	-	50	50
		Construction	-	-	-	-	-	300	300
		Total	-	-	-	-	-	350	350
174	Reg. Rd. 26, Thickson Rd. Culvert at Wentworth St., Culvert rehabilitation, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	800	-	-	-	-	800
		Total	-	800	-	-	-	-	800
175	Reg. Rd. 27, Altona Rd. Over Petticoat Creek Tributary Culvert, Culvert rehabilitation, Pickering	Pre-Construction	-	-	-	-	-	100	100
		Construction	-	-	-	-	-	650	650
		Total	-	-	-	-	-	750	750
176	Reg. Rd. 27, Altona Rd Over Petticoat Creek Tributary Culvert, 0.4 km north of Strouds Ln., Culvert replacement , Pickering	Pre-Construction	-	-	-	-	-	200	200
		Construction	-	-	-	-	-	2,900	2,900
		Total	-	-	-	-	-	3,100	3,100
177	Reg. Rd. 28, Rossland Rd. Over Oshawa Creek, 0.45 km east of Park Rd., Bridge rehabilitation in conjunction with road rehabilitation / reconstruction, Oshawa	Pre-Construction	100	-	-	-	-	-	-
		Construction	-	-	-	5,100	-	-	5,100
		Total	100	-	-	5,100	-	-	5,100
178	Reg. Rd. 29, Liverpool Rd. Over CNR Bridge, 0.1 km north of Bayly St., Bridge rehabilitation, Pickering	Pre-Construction	-	-	-	-	-	150	150
		Construction	-	-	-	-	-	2,500	2,500
		Total	-	-	-	-	-	2,650	2,650

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
179	Reg. Rd. 31, Westney Rd. Over Miller Creek West	Pre-Construction	-	-	80	-	-	-	80
	Bridge, 0.1 km north of Ritchie Ave., Bridge rehabilitation, Pickering	Construction	-	-	-	-	1,100	-	1,100
		Total	-	-	80	-	1,100	-	1,180
180	Reg. Rd. 31, Westney Rd. Over Miller Creek East	Pre-Construction	-	-	60	-	-	-	60
	Bridge, 0.1 km north of Ritchie Ave., Bridge rehabilitation, Pickering	Construction	-	-	-	-	750	-	750
		Total	-	-	60	-	750	-	810
181	Reg. Rd. 31, Westney Rd. Over CPR Bridge, 0.4 km north of Taunton Rd., Bridge rehabilitation, Ajax	Pre-Construction	-	300	-	-	-	-	300
		Construction	-	-	-	-	4,200	-	4,200
		Total	-	300	-	-	4,200	-	4,500
182	Reg. Rd. 31, Bayles Bridge, 2.8 km east of Brock Rd., Bridge rehabilitation, Pickering	Pre-Construction	-	-	-	-	175	-	175
		Construction	-	-	-	-	-	2,000	2,000
		Total	-	-	-	-	175	2,000	2,175
183	Reg. Rd. 31, Seventh Concession Rd. Over Brougham Creek Tributary Culvert, 0.34 km west of Paddock Rd., Culvert rehabilitation, Pickering	Pre-Construction	-	-	35	-	-	-	35
		Construction	-	-	-	-	300	-	300
		Total	-	-	35	-	300	-	335
184	Reg. Rd. 33, Harmony Rd. Over CPR Bridge, 0.2 km south of Olive Ave., Bridge rehabilitation / replacement. Coordinate with Metrolinx extension to Bowmanville, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	200	3,300	-	-	-	-	3,300
		Total	200	3,300	-	-	-	-	3,300
185	Reg. Rd. 33, Hoskin Bridge, 0.55 km north of Rossland Rd. East, Bridge rehabilitation, Oshawa	Pre-Construction	-	-	-	-	-	125	125
		Construction	-	-	-	-	-	2,000	2,000
		Total	-	-	-	-	-	2,125	2,125
186	Reg. Rd. 34, Courtice Road Over CPR Bridge, 0.3 km north of Baseline Rd., Bridge rehabilitation. Coordinate with Metrolinx extension to Bowmanville, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	200	220	-	-	-	-	220
		Total	200	220	-	-	-	-	220

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
187	Reg. Rd. 35, Wilson Rd. North Pedestrian Underpass, 0.69 km north of Rossland Rd. East, Bridge rehabilitation, Oshawa	Pre-Construction	-	-	-	-	100	-	100
		Construction	-	-	-	-	-	1,500	1,500
		Total	-	-	-	-	100	1,500	1,600
188	Reg. Rd. 46, Brock St. Over CNR Bridge, 0.1 km south of Hwy. 401, Bridge rehabilitation, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	-	-	1,750	1,750
		Total	-	-	-	-	-	1,750	1,750
189	Reg. Rd. 50, Morgan Bridge, 3.1 km east of Reg. Rd. 51, Bridge rehabilitation. This boundary bridge is a partnership project with Simcoe County. 50% of costs to be recovered by Simcoe County, Brock	Pre-Construction	-	-	200	-	-	-	200
		Construction	-	-	-	-	2,000	-	2,000
		Total	-	-	200	-	2,000	-	2,200
190	Reg. Rd. 53, Stevenson Rd. Over CNR Bridge, 0.9 km north of Wentworth St., Bridge rehabilitation, Oshawa	Pre-Construction	-	-	-	200	-	-	200
		Construction	-	-	-	-	-	2,500	2,500
		Total	-	-	-	200	-	2,500	2,700
191	Reg. Rd. 53, Stevenson Rd. Over CPR Bridge, 0.4 km north of Laval Dr., Bridge rehabilitation / replacement. Coordinate with Metrolinx extension to Bowmanville, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	200	1,800	-	-	-	-	1,800
		Total	200	1,800	-	-	-	-	1,800
192	Reg. Rd. 54, Park Rd. Over CPR Bridge, 0.48 km south of Gibb St., Bridge rehabilitation. Coordinate with Metrolinx extension to Bowmanville, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	200	1,850	-	-	-	-	1,850
		Total	200	1,850	-	-	-	-	1,850
193	Reg. Rd. 57, Bowmanville Creek Bridge, 1.9 km north of Reg. Hwy. 2, Bridge rehabilitation, Clarington	Pre-Construction	-	-	100	-	-	-	100
		Construction	-	-	-	-	-	3,500	3,500
		Total	-	-	100	-	-	3,500	3,600
194	Reg. Rd. 57, Burketon CPR Bridge, 3.3 km south of Shirley Rd., Bridge Replacement, Clarington	Pre-Construction	-	-	-	-	-	-	-
		Construction	2,575	-	-	-	-	-	-
		Total	2,575	-	-	-	-	-	-

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
195	Reg. Rd. 58, Manning Rd. Culvert, 0.3 km east of Thickson Rd., Culvert rehabilitation, Whitby	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	-	1,300	-	1,300
		Total	-	-	-	-	1,300	-	1,300
196	Reg. Rd. 58, Adelaide Ave. W. Over Oshawa Creek Bridge, 0.6 km west of Simcoe St., Bridge rehabilitation, Oshawa	Pre-Construction	-	-	-	-	-	180	180
		Construction	-	-	-	-	-	2,500	2,500
		Total	-	-	-	-	-	2,680	2,680
197	Reg. Rd. 58, Adelaide Ave. Culvert, 0.05 km west of Wilson Rd., Culvert rehabilitation, Oshawa	Pre-Construction	100	-	-	-	-	-	-
		Construction	-	-	1,300	-	-	-	1,300
		Total	100	-	1,300	-	-	-	1,300
198	Reg. Rd. 59, Gibb St. Over Oshawa Creek Bridge, 0.4 km east of Park Rd., Bridge rehabilitation in conjunction with road rehabilitation, Oshawa	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	4,100	-	-	-	4,100
		Total	-	-	4,100	-	-	-	4,100
199	Reg. Hwy. 2, Kingston Rd. Over Duffins Creek Bridge, 0.6 km west of Church St., Bridge rehabilitation, Ajax	Pre-Construction	-	-	-	-	-	100	100
		Construction	-	-	-	-	-	4,300	4,300
		Total	-	-	-	-	-	4,400	4,400
Structure Rehabilitation / Replacement Subtotal			13,725	25,555	16,660	14,510	14,435	53,485	124,645
Traffic Control & Other Programs - Non-Growth									
200	Miscellaneous Road and Storm Sewer Reconstruction Projects, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	400	400	400	400	400	2,000	3,600
		Total	400	400	400	400	400	2,000	3,600
201	Signal Modernization Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,640	1,548	1,394	1,487	1,460	8,445	14,334
		Total	1,640	1,548	1,394	1,487	1,460	8,445	14,334
202	Accessible Pedestrian Signal (APS) Installation Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,000	1,000	1,000	850	850	4,250	7,950
		Total	1,000	1,000	1,000	850	850	4,250	7,950

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
203	Advance Traffic Management Systems (ATMS) Upgrades, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	100	100	145	150	150	1,160	1,705
		Total	100	100	145	150	150	1,160	1,705
204	Uninterruptible Power Supply (UPS) Installation Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	500	500	500	500	500	2,500	4,500
		Total	500	500	500	500	500	2,500	4,500
205	Contingencies Non-Development Related, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	100	100	100	100	100	500	900
		Total	100	100	100	100	100	500	900
Traffic Control & Other Programs - Non-Growth Subtotal			3,740	3,648	3,539	3,487	3,460	18,855	32,989
Road & Traffic Safety Program (Vision Zero)									
206	Roadside Safety Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,000	1,100	700	900	900	4,500	8,100
		Total	1,000	1,100	700	900	900	4,500	8,100
207	Durham Vision Zero Program, Various	Pre-Construction	-	-	-	-	-	-	-
		Construction	675	650	500	379	-	-	1,529
		Total	675	650	500	379	-	-	1,529
Road & Traffic Safety Program (Vision Zero) Subtotal			1,675	1,750	1,200	1,279	900	4,500	9,629
Cycling Infill Projects									
208	Cycling Infill Projects, Various	Pre-Construction	540	-	-	-	-	-	-
		Construction	-	900	900	1,000	1,000	7,500	11,300
		Total	540	900	900	1,000	1,000	7,500	11,300
Cycling Infill Projects Subtotal			540	900	900	1,000	1,000	7,500	11,300

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Building & Structures									
209	Additional Office Space - Scugog Depot	Pre-Construction	-	-	-	93	-	-	93
		Construction	-	-	-	-	407	-	407
		Total	-	-	-	93	407	-	500
210	Construction of Mezzanine in Fleet Area - Scugog Depot	Pre-Construction	-	30	-	-	-	-	30
		Construction	-	-	130	-	-	-	130
		Total	-	30	130	-	-	-	160
211	Construction of Mezzanine in Fleet Bay 1 - Orono Depot	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	67	-	-	-	-	67
		Total	-	67	-	-	-	-	67
212	Depot Rationalization - Ajax Depot Expansion (Works General Tax Portion)	Pre-Construction	1,667	-	-	-	-	-	-
		Construction	-	11,667	-	-	-	-	11,667
		Total	1,667	11,667	-	-	-	-	11,667
213	Depot Rationalization - New Oshawa/Whitby Depot (Works General Tax Portion)	Pre-Construction	12,667	1,667	-	-	-	-	1,667
		Construction	-	-	55,000	-	-	-	55,000
		Total	12,667	1,667	55,000	-	-	-	56,667
214	Depot Rationalization - New Sunderland Depot (Works General Tax Portion)	Pre-Construction	1,333	1,333	-	-	-	-	1,333
		Construction	-	-	14,000	-	-	-	14,000
		Total	1,333	1,333	14,000	-	-	-	15,333
215	New 16 Bay Cold Vehicle Storage - Scugog Depot Expansion	Pre-Construction	-	-	-	73	-	-	73
		Construction	-	-	-	-	993	-	993
		Total	-	-	-	73	993	-	1,066
216	New Salt and Brine Storage Facility - Scugog Depot Expansion	Pre-Construction	-	-	-	100	-	-	100
		Construction	-	-	-	-	1,067	-	1,067
		Total	-	-	-	100	1,067	-	1,167

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
217	Repairs and Epoxy Coat Fleet Bay Concrete Floors & Repairs to Floor Drains in Fleet Bays - Scugog Depot	Pre-Construction	13	-	-	-	-	-	-
		Construction	-	57	-	-	-	-	57
		Total	13	57	-	-	-	-	57
218	Replace Existing Asphalt in Various Location - Scugog Depot	Pre-Construction	-	-	10	-	-	-	10
		Construction	-	-	-	123	-	-	123
		Total	-	-	10	123	-	-	133
219	Roof Replacement on Vehicle Storage Bays - Orono Depot	Pre-Construction	27	-	-	-	-	-	-
		Construction	-	173	-	-	-	-	173
		Total	27	173	-	-	-	-	173
220	Thermal Glass Panels for Rollup Doors and Door operators - Orono Depot	Pre-Construction	18	-	-	-	-	-	-
		Construction	-	66	-	-	-	-	66
		Total	18	66	-	-	-	-	66
221	Widening of Existing Canopy Entrance - Sunderland Depot	Pre-Construction	8	-	-	-	-	-	-
		Construction	-	42	-	-	-	-	42
		Total	8	42	-	-	-	-	42
222	20 Bay Cold Vehicle Storage - Orono Depot Expansion		-	-	-	-	-	1,266	1,266
223	4 Bay Garage Expansion - 101 Consumers		-	-	-	-	-	5,000	5,000
224	Access Ladder Repair/Replacement Project - Various Locations		15	-	-	-	-	-	-
225	Full UPS replacement - 101 Consumers		-	-	-	-	-	40	40
226	Improve turning radius of ramp - 101 Consumers		-	240	-	-	-	-	240
227	New Concrete Floor in Sign Shed - Ajax Depot		-	48	-	-	-	-	48
228	Paving of Rear Yard and Site Repairs - Orono Depot		-	-	-	-	-	122	122


Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

Durham Budget 2023		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total	
				2024	2025	2026	2027	2028-2032		
229	Renovation & Optimization - 101 Consumers (Traffic Portion)		5,847	-	-	-	-	-	-	
230	Replacement of Fire System - Oshawa/Whitby Depot		67	-	-	-	-	-	-	
231	Roof Replacement for Administration section - 101 Consumers		-	-	-	-	-	495	495	
232	Salt and Brine Storage Building - Orono Depot Expansion		-	-	-	-	-	1,167	1,167	
Building & Structures Subtotal			21,662	15,390	69,140	389	2,467	8,090	95,476	
Machinery & Equipment										
233	48" Round Shoring - Sunderland Depot		-	3	-	-	-	3	6	
234	Asphalt Content Ignition Furnace - Construction		-	-	-	-	-	7	7	
235	Bar Pullout Tester - Construction		4	-	-	-	-	-	-	
236	Bench Oven - Construction		5	-	-	-	-	-	-	
237	Concrete End Grinder - Construction		8	-	-	-	-	-	-	
238	Concrete Testing Equipment - Construction		-	-	-	-	-	9	9	
239	Electronic Scale - Construction		-	-	-	-	-	3	3	
240	Gyratory Compactor/Molds/Equipment - Construction		23	-	-	-	-	-	-	
241	Integrated Control Technology - Security Project - Various Locations		7	-	-	-	-	-	-	
242	Lab Oven - Construction		-	-	-	-	-	4	4	
243	Latex Printer/Cutter - Traffic Engineering & Operations		-	35	-	-	-	-	35	
244	Metal Detector - Sunderland Depot		-	-	-	-	-	-	-	
245	Nuclear Densometer - Construction		4	-	5	-	-	-	5	

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
246	Pipe Locator - Sunderland Depot	-	3	-	-	-	-	3	6
247	Portable Traffic Safety Devices - Traffic Engineering & Operations	-	25	25	25	25	25	75	175
248	Portable Variable Message Signs - Traffic Engineering & Operations	-	-	200	-	-	-	-	200
249	Pressure Washer - Sunderland Depot	-	3	3	-	-	-	-	6
250	Rollover flat bed applicator - Traffic Engineering & Operations	-	32	-	-	-	-	-	32
251	Snow Fence Replacement - Sunderland Depot	-	-	-	-	-	-	6	6
252	Survey GPS Instrument - Construction	-	10	10	10	10	10	54	94
253	Survey Total Station Replacement - Construction	-	-	-	-	-	-	39	39
254	Temporary Traffic Control Sign replacement - Sunderland Depot	-	2	2	-	-	2	4	10
255	Trench box replacement - Sunderland Depot	-	-	-	-	-	-	5	5
Machinery & Equipment Subtotal			51	113	245	35	37	212	642
Information Technology Infrastructure									
256	Computers & Monitors Refresh - Financial Services	208	299	226	206	286	1,210	2,227	
257	dTIMS Software Upgrades - Transportation-Infrastructure	120	-	-	-	-	50	50	
258	Fuel Management System & Infrastructure Replacement - Various Locations	-	-	217	-	-	-	217	
259	Large Format Colour Plotter - Traffic Engineering & Operations	-	15	-	-	-	25	40	
260	Scanner and Wide Format Black & White Printer - Construction	-	-	-	22	-	-	22	


Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
261	Standard Laptops		2	5	-	-	-	-	5
262	Power Laptops		27	66	32	20	11	38	167
263	Power Laptops (with Monitors)		-	22	8	8	8	24	70
Information Technology Infrastructure Subtotal			357	407	483	256	305	1,347	2,798
Vehicles									
264	1 Ton High Roof Van - Ajax Depot		-	42	-	-	-	-	42
265	1 Ton Van - 289 Water St.		300	-	-	-	-	-	-
266	1/2 Ton Pick-up Truck - Various Locations		765	662	113	28	56	169	1,028
267	3 Ton Crew Cab - Various Locations		570	-	-	-	-	-	-
268	3/4 Ton Pick Up - Scugog Depot		-	28	-	-	-	-	28
269	3/4 Ton Van - Various Locations		900	-	-	-	-	-	-
270	5 Ton Flatbed - Traffic Engineering & Operations		-	400	-	-	-	-	400
271	6 Ton Tandem - Various Locations		3,000	-	-	-	-	-	-
272	Asphalt Grinder Attachment (Skid Steer Loader) - Oshawa/Whitby Depot		-	-	-	8	-	-	8
273	Asphalt Hot Box - Oshawa/Whitby Depot		65	-	-	-	-	-	-
274	Backhoe with Breaker Attachment - Sunderland Depot		-	125	-	-	-	-	125
275	Chain Saw - Various Locations		34	-	-	-	-	-	-
276	Concrete Saw - Various Locations		74	-	-	-	-	-	-
277	Cube Van - Various Locations		350	-	-	-	-	-	-
278	Econo Van - Various Locations		525	-	-	-	-	-	-
279	Emergency Fleet Equipment Replacement - Fleet		151	-	-	-	-	-	-


Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
280	Fleet Replacement Program Based on Useful Life - Fleet	-	3,787	2,259	4,571	1,814	22,188	34,619	
281	Forklift - Various Locations	-	25	-	-	-	-	25	
282	Geodimeter - Construction	125	-	-	-	-	-	-	
283	Hybrid Van - Oshawa/Whitby Depot	-	17	-	-	-	-	17	
284	Miscellaneous Trailer - Various Locations	135	-	-	-	-	-	-	
285	Pole Saw - Various Locations	10	-	-	-	-	-	-	
286	Portable Generator - Ajax Depot	6	-	-	-	-	-	-	
287	Rubber Tire Roller Compaction Unit - Orono Depot	-	20	-	-	-	-	20	
288	Sidewalk Plow/Snowblower - Oshawa/Whitby Depot	-	-	-	-	-	50	50	
289	Signal Board - Sunderland Depot	18	-	-	-	-	-	-	
290	Snow Blower for skid steer loader - Oshawa/Whitby Depot	-	10	-	-	-	-	10	
291	Street Flusher - Oshawa/Whitby Depot	-	-	-	117	-	-	117	
292	Street Sweeper attachment for Roadside Mower/Tractor - Oshawa/Whitby Depot	-	8	-	-	-	-	8	
293	Tamper - Scugog Depot	7	-	-	-	-	-	-	
294	Tandem Axle Truck - Oshawa/Whitby Depot	-	-	-	-	-	83	83	
295	Tandem Trailer - Oshawa/Whitby Depot	45	-	-	-	-	-	-	
296	Tow Motor - Waste Facilities	150	-	-	-	-	-	-	
297	Tractor - Ajax Depot	-	100	-	-	-	-	100	
298	Water Pump - Various Locations	15	-	-	-	-	-	-	

Appendix B: 2023-2032 Regional Roads and Infrastructure Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix A for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
299	Weed Eater Combo Unit - Various Locations		84	-	-	-	-	-	-
300	Medium Articulated Loader - Waste Facilities		350	-	-	-	-	-	-
Vehicles Subtotal			7,679	5,224	2,372	4,724	1,870	22,490	36,680
Furniture and Fixtures									
301	A/V Equipment and Technology Upgrades - Various Locations		10	10	10	10	10	20	60
302	Office Furniture - Various Locations		-	1	-	1	-	-	2
303	Parts Cabinets - Ajax Depot		-	16	-	-	-	-	16
304	Parts Cabinets - Oshawa/Whitby Depot		-	109	-	-	-	-	109
Furniture and Fixtures Subtotal			10	136	10	11	10	20	187
Total Capital Regional Roads and Infrastructure			213,037	216,828	242,172	159,361	165,689	777,315	1,561,365

* Rows and columns may not add due to rounding

** Pre-construction includes expenditures for land purchases, utility relocates, preliminary studies, design, etc.


*** Projects with regularly recurring expenditures include allowances, machinery and equipment, information technology, vehicles and furniture and fixtures, etc. do not include separate pre-construction and construction capital financing

**** Appendix B includes financing of the following development charge shortfalls as follows:

	2023	2024	2025	2026	2027	2028 - 2032	Grand Total
DC Shortfall							
Residential DC Shortfall	-	-	-	-	-	-	-
Commercial DC Shortfall	-	-	-	-	-	-	-
Institutional DC Shortfall	3,284	-	8,227	9,664	9,495	47,845	78,515
Industrial DC Shortfall	828	-	347	901	873	4,195	7,144
Total DC Shortfall	4,112	-	8,574	10,565	10,368	52,040	85,659
Shortfall Financing Source							
Regional Roads Levy	4,112	-	8,575	10,564	10,368	52,040	85,659
Total Funding	4,112	-	8,575	10,564	10,368	52,040	85,659

Appendix C: 2023 Solid Waste Management Capital Projects (\$,000's)

Provides financing details for capital projects proposed in 2023. See Appendix D for the comprehensive 2023 capital budget and 2024-2032 forecast

		Quantity	New / Replacement	2023 Proposed Financing								2023 Proposed Budget	Approved Funding Prior to 2023	Forecast 2024-2032	Total Project to 2032
				Other	Reserve/ Reserve Funds	Industrial DCs	Institutional DCs	Commercial DCs	Residential DCs	Subsidy /Grant	Debenture				
Solid Waste Management															
Building and Structures															
4	Modifications and/or new waste management facilities - Optimization of older WMF sites and/or new sites for efficiencies/growth - Oshawa WMF	-		-	1,000	-	-	-	-	-	-	1,000	-	8,000	9,000
8	Scale House - Various Locations	1	Replacement	-	-	-	-	-	-	-	510	510	-	-	510
Building and Structures Subtotal		1		-	1,000	-	-	-	-	-	510	1,510	-	8,000	9,510
Machinery & Equipment															
15	Integrated Control Technology - Security Project - Various Locations	7	New	-	-	-	-	-	-	-	25	25	-	-	25
16	Replace Weigh Scale - Various Locations	1	Replacement	-	-	-	-	-	-	-	150	150	-	-	150
17	Waste Oil Storage Tank Replacement - Brock WMF	1	Replacement	-	-	-	-	-	-	-	28	28	-	-	28
18	Roll-off Bin Replacement Program - Waste Facilities	17	Replacement	-	-	-	-	-	-	-	107	107	-	-	107
Machinery & Equipment Subtotal		26		-	-	-	-	-	-	-	310	310	-	-	310
Information Technology Infrastructure															
19	Computers & Monitors Refresh - Financial Services	1	Replacement	-	-	-	-	-	-	-	60	60	-	-	60
Information Technology Infrastructure Subtotal		1		-	-	-	-	-	-	-	60	60	-	-	60
Total Capital Solid Waste Management				-	1,000	-	-	-	-	-	880	1,880	-	8,000	9,880

Appendix D: 2023 - 2032 Solid Waste Management Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix C for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
Solid Waste Management									
Building & Structures									
1	Durham York Energy Centre - Expansion environmental assessment (EA) and consulting (could take 4 to 10 years to complete)	Pre-Construction	-	-	10,000	-	-	-	10,000
		Construction	-	-	-	-	-	-	-
		Total	-	-	10,000	-	-	-	10,000
2	Durham York Energy Centre - Consultant investigation - additional waste heat utilization / project construction	Pre-Construction	-	100	900	-	-	-	1,000
		Construction	-	-	-	-	-	-	-
		Total	-	100	900	-	-	-	1,000
3	Modifications and/or new waste management facilities - Optimization of older WMF sites and/or new sites for efficiencies/growth - Brock WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	2,100	-	-	-	-	2,100
		Total	-	2,100	-	-	-	-	2,100
4	Modifications and/or new waste management facilities - Optimization of older WMF sites and/or new sites for efficiencies/growth - Oshawa WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	1,000	4,000	4,000	-	-	-	8,000
		Total	1,000	4,000	4,000	-	-	-	8,000
5	Modifications and/or new waste management facilities - Optimization of older WMF sites and/or new sites for efficiencies/growth - Scugog WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	150	-	2,100	-	2,250
		Total	-	-	150	-	2,100	-	2,250
6	Modifications and/or new waste management facilities - Optimization of older WMF sites and/or new sites for efficiencies/growth - North/West Facility	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	100	4,500	4,500	-	-	9,100
		Total	-	100	4,500	4,500	-	-	9,100
7	Extension of Concrete Retaining Wall - Brock WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	99	-	-	-	-	99
		Total	-	99	-	-	-	-	99
8	Scale House - Various Locations	Pre-Construction	-	-	-	-	-	-	-
		Construction	510	-	-	-	-	95	95
		Total	510	-	-	-	-	95	95


Appendix D: 2023 - 2032 Solid Waste Management Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix C for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
9	Equipment Storage Building - Oshawa WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	540	-	-	-	-	540
		Total	-	540	-	-	-	-	540
10	Perimeter Chain Link Fence Replacement - Oshawa WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	172	-	-	-	-	172
		Total	-	172	-	-	-	-	172
11	Replace Inbound Scale House #2 - Oshawa WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	100	-	-	-	-	100
		Total	-	100	-	-	-	-	100
12	Resurfacing Asphalt Paving - Oshawa WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	-	-	-	350	270	620
		Total	-	-	-	-	350	270	620
13	South Customer Disposal Area Enlargement - Oshawa WMF	Pre-Construction	-	275	-	-	-	-	275
		Construction	-	-	1,575	-	-	-	1,575
		Total	-	275	1,575	-	-	-	1,850
14	Pave Area to North and East of Site - Scugog WMF	Pre-Construction	-	-	-	-	-	-	-
		Construction	-	215	-	-	-	-	215
		Total	-	215	-	-	-	-	215
Building & Structures Subtotal			1,510	7,701	21,125	4,500	2,450	365	36,141
Machinery & Equipment									
15	Integrated Control Technology - Security Project - Various Locations		25	-	-	-	-	-	-
16	Replace Weigh Scale - Various Locations		150	600	150	150	-	-	900
17	Waste Oil Storage Tank Replacement - Brock WMF		28	-	-	-	-	-	-

Appendix D: 2023 - 2032 Solid Waste Management Capital Forecast (\$,000's)

Provides a listing for all projects within the 2023 budget and nine-year capital forecast. See Appendix C for financing details for capital projects proposed in 2023

		Expenditure Category	2023 Proposed Budget	Forecast					Forecast Total
				2024	2025	2026	2027	2028-2032	
18	Roll-off Bin Replacement Program - Waste Facilities		107	107	107	107	107	535	963
Machinery & Equipment Subtotal			310	707	257	257	107	535	1,863
Information Technology Infrastructure									
19	Computers & Monitors Refresh - Financial Services		60	54	71	65	54	326	570
20	Power Laptop		-	3	-	-	-	-	3
21	Tablet		-	7	-	-	-	-	7
22	Computer Printer - Waste Facilities		-	3	3	3	3	15	27
Information Technology Infrastructure Subtotal			60	67	74	68	57	341	607
Vehicles									
23	1/2 Ton Pick-up Truck - Various Locations		-	5	-	-	-	-	5
24	Forklift - Various Locations		-	125	-	-	-	-	125
25	Vehicles for By-Law officers - Waste Admin - By-Law		-	170	-	-	-	-	170
Vehicles Subtotal			-	300	-	-	-	-	300
Landfill Remediation / Rehabilitation									
26	Oshawa Landfill - Remediation - Erosion and leachate control		-	-	500	325	125	3,650	4,600
27	Scott Landfill - Landfill Reclamation (Mining)		-	-	400	4,723	-	-	5,123
28	Scugog Landfill - Remediation - Purchase Contaminant Attenuation Zone		-	-	100	1,400	-	-	1,500
Landfill Remediation / Rehabilitation Subtotal			-	-	1,000	6,448	125	3,650	11,223
Total Capital Solid Waste Management			1,880	8,775	22,456	11,273	2,739	4,891	50,134