

## 2022 Approved Capital Projects

Project Name	Project Location	Project Score	2022 Gross Cost	Operating	Reserves	Other
<b>Building and Equipment</b>						
<b>Building Environmental / Energy</b>						
10-0082 Electric Vehicle Charging Stations	Various	57	250,000	(250,000)	-	-
10-0080 Replace HVAC System - Fire Hall 4	Fire Hall 4	50	880,000	-	(880,000)	-
10-0079 Replace Pool Dehumidification System	Donevan Recreation Centre	46	430,000	-	(430,000)	-
10-0081 Upgrade Light Programming System	Delpark	29	80,000	-	(80,000)	-
<b>Total Building Environmental / Energy</b>			<b>1,640,000</b>	<b>(250,000)</b>	<b>(1,390,000)</b>	<b>-</b>
<b>Buildings</b>						
11-0363 Building Condition Audits	Various	40	150,000	-	(150,000)	-
11-0438 Mary St Parking Garage Lease Space	Mary St - Lease Space	37	425,000	-	(425,000)	-
11-0317 Refrigerant Replacement - Facility HVAC Systems	Various City Facilities	36	200,000	-	(200,000)	-
11-0410 Structural Rehabilitation Program	Various	36	350,000	-	(350,000)	-
11-0139 Accessibility Improvements	Various	35	150,000	(150,000)	-	-
11-0365 Roof Replacement Program	Various	33	175,000	-	(175,000)	-
11-0411 Security Technology Infrastructure	Various	28	250,000	-	(250,000)	-
11-0370 Window Replacement Program	Various	25	120,000	-	(120,000)	-
11-0419 Stadium Membrane Repairs	Civic Stadium	25	400,000	-	(400,000)	-
<b>Total Buildings</b>			<b>2,220,000</b>	<b>(150,000)</b>	<b>(2,070,000)</b>	<b>-</b>
<b>Vehicles &amp; Equipment</b>						
13-0134 Weedingtech Foamstream M1200	Citywide	52	90,000	-	(90,000)	-
13-0128 Electric Charging Infrastructure - Fleet Vehicles	Consolidated Operations Depot	44	500,000	-	(500,000)	-
13-0056 Corporate Fleet Acquisitions	Various	33	2,756,000	-	(2,756,000)	-
13-0127 New Vehicle Acquisition - MLELS Vehicles	Various	29	130,000	-	(130,000)	-
13-0129 Flail Boom Mower Attachment	Citywide	29	120,000	-	(120,000)	-
13-0130 Asphalt Hot Box	Citywide	28	45,000	-	(45,000)	-
13-0132 New Vehicle Acquisition - Roads	Citywide	28	45,000	-	(45,000)	-
13-0133 New Vehicle Acquisition - Buildings	Citywide	28	40,000	-	(40,000)	-

## 2022 Approved Capital Projects

Project Name	Project Location	Project Score	2022 Gross Cost	Operating	Reserves	Other
13-0131 Line Painting Machine	Citywide	26	41,000	-	(41,000)	-
<b>Total Vehicles &amp; Equipment</b>			<b>3,767,000</b>	<b>-</b>	<b>(3,767,000)</b>	<b>-</b>
<b>Total Building and Equipment</b>			<b>7,627,000</b>	<b>(400,000)</b>	<b>(7,227,000)</b>	<b>-</b>
<b>Downtown</b>						
<b>Streetlighting / Streetscape</b>						
21-0015 Downtown Streetscape Redevel	King St W - Centre St to McMillan Dr	33	700,000	-	(700,000)	-
<b>Total Streetlighting / Streetscape</b>			<b>700,000</b>	<b>-</b>	<b>(700,000)</b>	<b>-</b>
<b>Total Downtown</b>			<b>700,000</b>	<b>-</b>	<b>(700,000)</b>	<b>-</b>
<b>Information Technology</b>						
<b>IT / Communications</b>						
30-0124 Health, Safety and Disability Tracking Software	City Hall	55	100,000	-	-	(100,000)
30-0032 IT Server Upgrades	City Hall	43	60,000	-	(60,000)	-
30-0123 Communications Systems Infrastructure Strategy	City Hall	43	60,000	-	(60,000)	-
30-0040 Software Upgrade – G.I.S.	City Hall	30	60,000	-	(60,000)	-
30-0121 Replace IT Service Management Tools	City Hall	30	100,000	-	(100,000)	-
30-0108 Modernized / Standardized Meeting Room Technology	City Hall	19	100,000	-	(100,000)	-
30-0103 Policy and Standards Development	City Hall	18	75,000	-	(75,000)	-
<b>Total IT / Communications</b>			<b>555,000</b>	<b>-</b>	<b>(455,000)</b>	<b>(100,000)</b>
<b>Total Information Technology</b>			<b>555,000</b>	<b>-</b>	<b>(455,000)</b>	<b>(100,000)</b>
<b>Other Initiatives</b>						
<b>Other</b>						
40-0066 Excess Soil Management	Various	51	325,000	-	(325,000)	-
40-0052 Impacted Soil Removal	Raleigh Avenue	46	285,000	-	(285,000)	-
40-0004 P.R.L.C. - Facility Needs Assessment Update	Various	35	150,000	-	(150,000)	-
40-0065 Remove and Replace Fuel Storage Tanks	Oshawa Executive Airport	20	700,000	-	-	(700,000)
<b>Total Other</b>			<b>1,460,000</b>	<b>-</b>	<b>(760,000)</b>	<b>(700,000)</b>
<b>Total Other Initiatives</b>			<b>1,460,000</b>	<b>-</b>	<b>(760,000)</b>	<b>(700,000)</b>

## 2022 Approved Capital Projects

Project Name	Project Location	Project Score	2022 Gross Cost	Operating	Reserves	Other
<b>Parks, Rec and Culture</b>						
<b>Development Related Parks &amp; Trails</b>						
50-0046 Parks Development - Site Investigations	City Wide	32	25,000	-	(25,000)	-
50-0052 Thornton Community Park	Thornton Road North	30	3,080,000	-	(3,080,000)	-
50-0016 A.T.M.P. Trail Link 3 - Taunton Part II Plan	Esterbrook Drive	28	250,000	-	(250,000)	-
50-0066 Gold Point Wildlife Reserve	Gold Point Wildlife	26	810,000	-	(810,000)	-
<b>Total Development Related Parks &amp; Trails</b>			<b>4,165,000</b>	<b>-</b>	<b>(4,165,000)</b>	<b>-</b>
<b>Parks</b>						
51-0095 Kingside Park Redevelopment	Kingside Park	44	1,300,000	-	(1,300,000)	-
51-0108 Deer Valley Park Redevelopment	Deer Valley Park	44	845,000	-	(845,000)	-
51-0127 Florell Park Redevelopment	960 Florell Drive	40	430,000	-	(430,000)	-
51-0130 Pumphouse Marsh Viewing Deck	Pumphouse Marsh	39	175,000	-	(175,000)	-
51-0099 Cordova Valley Park	Cordova Valley Park	27	240,000	-	(240,000)	-
<b>Total Parks</b>			<b>2,990,000</b>	<b>-</b>	<b>(2,990,000)</b>	<b>-</b>
<b>Trails</b>						
52-0048 Michael Starr Trail Improvements	Michael Starr Trail	15	1,240,000	-	(1,240,000)	-
<b>Total Trails</b>			<b>1,240,000</b>	<b>-</b>	<b>(1,240,000)</b>	<b>-</b>
<b>SWM / Watercourse</b>						
54-0005 Storm Water Mgmt Pond Cleaning	Various	49	275,000	-	(275,000)	-
54-0022 Consortium Watercourse Bank Stabilization Program	Various	32	10,000	-	(10,000)	-
54-0047 Consortium WC Monitoring Prgm	Various	24	30,000	(30,000)	-	-
<b>Total SWM / Watercourse</b>			<b>315,000</b>	<b>(30,000)</b>	<b>(285,000)</b>	<b>-</b>
<b>Total Parks, Rec and Culture</b>			<b>8,710,000</b>	<b>(30,000)</b>	<b>(8,680,000)</b>	<b>-</b>
<b>Transportation</b>						
<b>Airport</b>						
70-1720 Runway 05/23 Visual Aid Location Remediation	Oshawa Executive Airport - Runway 05/23	34	50,000	-	(50,000)	-
<b>Total Airport</b>			<b>50,000</b>	<b>-</b>	<b>(50,000)</b>	<b>-</b>

## 2022 Approved Capital Projects

Project Name	Project Location	Project Score	2022 Gross Cost	Operating	Reserves	Other
<b>Bridges</b>						
71-0044 Darcy St Culvert Replacement	0.04km E of Oshawa Blvd N	43	285,000	-	(285,000)	-
71-0079 Hillcroft St Culvert Replacement	10m north of Central Park Blvd N	43	3,053,000	(100,000)	(2,953,000)	-
71-0084 Culvert Structural Relining	Various	43	135,000	(135,000)	-	-
71-0092 Pedestrian Structure Replacements	350m south of Bloor St W and 200m west	43	438,000	-	(438,000)	-
<b>Total Bridges</b>			<b>3,911,000</b>	<b>(235,000)</b>	<b>(3,676,000)</b>	<b>-</b>
<b>Municipal Parking</b>						
72-0002 Columbus Park Parking Lot	Columbus Community	49	800,000	-	(800,000)	-
72-0045 Pavement Repair Program	Various	49	125,000	-	(125,000)	-
<b>Total Municipal Parking</b>			<b>925,000</b>	<b>-</b>	<b>(925,000)</b>	<b>-</b>
<b>Development Related Roads</b>						
73-0490 Subdivision Related Projects	Various	51	234,000	-	(234,000)	-
73-0452 Conlin Road West	West City Limits to Stevenson Rd N	31	4,000,000	-	(4,000,000)	-
<b>Total Development Related Roads</b>			<b>4,234,000</b>	<b>-</b>	<b>(4,234,000)</b>	<b>-</b>
<b>Roads</b>						
74-0151 Boundary Road Agreement Obligations	Various	53	240,000	-	(240,000)	-
74-0156 Region Coordination (Overlay)	Veterans Rd &	50	518,000	-	(518,000)	-
74-0043 Asphalt Preservation and Rehab	Various	41	1,865,000	-	(1,865,000)	-
74-0148 Roads Resurfacing	Various	41	235,000	-	(235,000)	-
74-0155 Taylorwood Rd (Overlay)	Simcoe to 120m east of Simcoe	41	280,000	-	(280,000)	-
74-0007 A.T.M.P. Cycling Network Expansion	Various	33	50,000	(50,000)	-	-
74-0056 Pavement Preservation-Prevent	City Wide	19	135,000	(135,000)	-	-
<b>Total Roads</b>			<b>3,323,000</b>	<b>(185,000)</b>	<b>(3,138,000)</b>	<b>-</b>
<b>Sidewalks</b>						
75-0115 Centre St N & Brock St W - Sidewalk	William St W to Simcoe St N	49	470,000	-	(470,000)	-

## 2022 Approved Capital Projects

Project Name	Project Location	Project Score	2022 Gross Cost	Operating	Reserves	Other
75-0143 Farewell St Sidewalk & Multi-Use Path	Farewell St	36	674,000	-	(674,000)	-
75-0136 Sidewalk Replacements	Various	34	500,000	-	(500,000)	-
75-0117 Horizontal Control Monuments	City Wide	30	45,000	(10,000)	(35,000)	-
<b>Total Sidewalks</b>			<b>1,689,000</b>	<b>(10,000)</b>	<b>(1,679,000)</b>	<b>-</b>
<b>Streetlighting</b>						
76-0056 Centre Street North Streetlighting Upgrades	Centre Street South from King St W to Elgin St W	38	295,000	-	(295,000)	-
76-0014 Street Lighting Upgrades	Various	30	55,000	(55,000)	-	-
<b>Total Streetlighting</b>			<b>350,000</b>	<b>(55,000)</b>	<b>(295,000)</b>	<b>-</b>
<b>Traffic Signals</b>						
77-0029 Signal Controller Replacements	Various	48	64,000	(64,000)	-	-
77-0060 L.E.D. Signal Replacement	Various	48	20,000	-	(20,000)	-
77-0030 Accessible Pedestrian Signals	Various	34	85,000	-	(85,000)	-
77-0061 New Pedestrian Crossover Signals	TBD	29	50,000	-	(50,000)	-
<b>Total Traffic Signals</b>			<b>219,000</b>	<b>(64,000)</b>	<b>(155,000)</b>	<b>-</b>
<b>Total Transportation</b>			<b>14,701,000</b>	<b>(549,000)</b>	<b>(14,152,000)</b>	<b>-</b>
<b>Total Approved</b>			<b>33,753,000</b>	<b>(979,000)</b>	<b>(31,974,000)</b>	<b>(800,000)</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Replace Pool Dehumidification System</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	10 Building Environmental / Energy
<b>Project Number</b>	10-0079
<b>Project Location</b>	Donevan Recreation Centre
<b>Ward</b>	Ward 3
<b>Accessibility</b>	No
<b>Score</b>	46

**Project Details**

**Project Description**

This project is to replace the dehumidification system in the pool area.

**Justification**

The existing dehumidification system for the pool is currently being maintained with increasing annual maintenance costs and does not run efficiently. System failure would have a significant negative impact to service levels.

Estimated Annual Energy Savings: Approximately \$5,000 per year

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Operations Reserve	430,000	0	0
<b>Total Financing Sources</b>	<b>430,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Replace HVAC System - Fire Hall 4</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	10 Building Environmental / Energy
<b>Project Number</b>	10-0080
<b>Project Location</b>	Fire Hall 4
<b>Ward</b>	Ward 3
<b>Accessibility</b>	No
<b>Score</b>	50

**Project Details**

**Project Description**

This project is to replace the existing HVAC system at Fire Hall 4.

**Justification**

The existing HVAC system is the original system from 1981. Frequent maintenance is required which negatively impacts facility operations. Given the age of the system failure can occur at any time.

Project to include design specifications and drawings suitable for tender and construction.

Estimated Annual Energy Savings: Approximately \$4,000 per year

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	880,000	0	0
<b>Total Financing Sources</b>	<b>880,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Upgrade Light Programming System</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	10 Building Environmental / Energy
<b>Project Number</b>	10-0081
<b>Project Location</b>	Delpark
<b>Ward</b>	Ward 1
<b>Accessibility</b>	No
<b>Score</b>	29

**Project Details**

**Project Description**

This project is to upgrade the existing light programming system at Delpark Homes Community Centre.

**Justification**

The existing light programming system is currently obsolete and requires modernization to support the lighting retrofit projects completed at the facility. The existing system frequently crashes which operates facility lighting and the parking lot.

Estimated Annual Energy Savings: Approximately \$1,000 per year

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Operations Reserve	80,000	0	0
<b>Total Financing Sources</b>	<b>80,000</b>	<b>0</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Electric Vehicle Charging Stations</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	10 Building Environmental / Energy
<b>Project Number</b>	10-0082
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	57

**Project Details**

**Project Description**

This project is to install electric vehicle charging stations at various City owned facilities.

Proposed facilities to be investigated:

Delpark Homes Community Centre  
City Hall  
Consolidated Operations Depot  
Civic Recreation Complex  
South Oshawa Community Centre

**Justification**

This project initiative aligns with Oshawa's Strategic Plan, the Corporate Facility Energy Management Plan and the City's Corporate Greenhouse Gas (G.H.G.) Reduction Plan to reduce greenhouse gas emissions by being environmentally responsible. Electric vehicles are a critical component to combat climate change and promote a sustainable future.

Approval of this project initiative would render the project as 'shovel ready' and provide the City an opportunity to pursue alternative funding to subsidize the overall cost through government offered incentives.

Estimated annual reduction in G.H.G. emissions on Carbon Footprint is 62,500 KgCO<sub>2</sub>e/year.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Tax Levy Contribute to Capital	250,000	0	0
<b>Total Financing Sources</b>	<b>250,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Accessibility Improvements</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0139
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	35

**Project Details**

**Project Description**

Retrofit to City buildings to implement capital requirements resulting from the City's Accessibility Plan and Accessibility for Ontarians with Disability Act (A.O.D.A.).

Proposed activities:

Contribution to Parks Development

Feasibility Assessment for Trail/Facility Chargers

Replace accessible ramp at the main entrance of Robert McLaughlin Library

**Justification**

City facilities and parks are audited to identify barriers and opportunities for improvement. Retrofit work is undertaken in accordance with the City of Oshawa's Accessibility Design Standards.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Tax Levy Contribute to Capital	150,000	600,000	750,000
<b>Total Financing Sources</b>	<b>150,000</b>	<b>600,000</b>	<b>750,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Refrigerant Replacement - Facility HVAC Systems</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0317
<b>Project Location</b>	Various City Facilities
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	36

**Project Details**

**Project Description**

To replace facility HVAC systems R22 refrigerant to comply with legislated changes.

Current priorities include:

Arts Resource Centre  
 City Hall  
 Donevan Recreation Complex  
 Delpark Homes Community Centre  
 Parking Garage 3 (Mary St)  
 Consolidated Operations Depot  
 Northview Community Centre

**Justification**

Replacing R22 refrigerant units improves the environmental footprint of the City. As a result of the legislative changes, HVAC refrigerants continue to be phased out as obsolete and are difficult to source at a reasonable price as it will no longer be available on the market.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Conditions Audit Reserve	200,000	200,000	0
<b>Total Financing Sources</b>	<b>200,000</b>	<b>200,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Building Condition Audits</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0363
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	40

**Project Details**

**Project Description**

Consulting services to complete condition audits of City facilities supporting the City's capital planning team with short and long term maintenance lifecycle scheduling at the following locations:

Columbus Community Centre  
 McMillan Parkade (G2)  
 Airport - Terminal Building  
 Airport Hangar 1  
 Airport Hangar 2  
 Airport - Field Electrical Bldg.  
 Airport - South Field - Ontario Regiment Museum (O.R.M.)  
 Airport - South Field - O.R.M. Storage (Quonset Hut)  
 Airport - South Field - Canteen  
 Airport - South Field - Stores Building  
 Fire Halls 1 to 6  
 Robert McLaughlin Library  
 Robert McLaughlin Gallery (R.M.G.)  
 Howden Depot - Sand Dome  
 Howden Depot (Offices and Garages)  
 Arts Resource Centre  
 Jubilee Pavillion  
 Lakeview - North and South Washrooms/Office/Changerooms  
 Lakeview - Simcoe Street Lifeguard  
 Alexandra Park - Changerooms/Office  
 Children's Arena

**Justification**

Continuation of the City's asset management of facilities supporting maintenance schedules and plan for future capital needs and sound asset management.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	0	600,000	750,000
Conditions Audit Reserve	150,000	0	0
<b>Total Financing Sources</b>	<b>150,000</b>	<b>600,000</b>	<b>750,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Roof Replacement Program</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0365
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	33

**Project Details**

**Project Description**

Repair/replace defective roof systems, as recommended by external roofing consultant.

Current priorities include:

Harman Arena (entrance canopies)

Donevan Recreation Complex (elevator and mechanical room)

South Oshawa Community Centre (entrance and mechanical room)

Civic (clerestory/sunken roof)

**Justification**

Roof systems are aged and jeopardizing daily facility operations and serviceability.

Maintenance efforts and costs continue to increase, affecting building operations, and may pose a health and safety risk to staff and the public.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Conditions Audit Reserve	175,000	700,000	875,000
<b>Total Financing Sources</b>	<b>175,000</b>	<b>700,000</b>	<b>875,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Window Replacement Program</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0370
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	25

**Project Details**

**Project Description**

Repair/replace defective window systems, based on Facility Condition Audit recommendations and prioritization of facility requirements.

Current priorities include:

- Fire Halls 3 and 4
- Harman Arena
- Civic Recreation Complex
- Parking Garage 1 - Centre Street
- Donevan Recreation Complex

**Justification**

Windows have been identified as substandard and inefficient and in need of replacement at various locations across the City. Maintenance efforts and costs are continually increasing, impacting building operations while moisture penetration continues to cause damage and may pose a health and safety risk to staff and the public.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Conditions Audit Reserve	120,000	480,000	600,000
<b>Total Financing Sources</b>	<b>120,000</b>	<b>480,000</b>	<b>600,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Structural Rehabilitation Program</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0410
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	36

**Project Details**

**Project Description**

To complete ongoing structural maintenance repairs at City owned facilities as recommended by an external structural engineer.

Current priorities include:

- Parking Garage 1 - Centre Street
- Parking Garage 2 - McMillan Drive

**Justification**

To address structural maintenance as recommended by an external structural engineer to maintain integrity and safety, protecting major capital investments in structural rehabilitation.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Conditions Audit Reserve	350,000	1,400,000	1,750,000
<b>Total Financing Sources</b>	<b>350,000</b>	<b>1,400,000</b>	<b>1,750,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Security Technology Infrastructure</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0411
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	28

**Project Details**

**Project Description**

Installation and maintenance of hardware and software required to support security cameras, monitors and access control devices at various City facilities.

**Justification**

This is a progressive approach to ensure adequate security at City facilities, monitor access to buildings, monitor activity on properties, implement Crime Prevention Through Engineering Design (C.P.T.E.D.) assessment and recommendations and to protect City assets and people.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	250,000	1,000,000	1,250,000
<b>Total Financing Sources</b>	<b>250,000</b>	<b>1,000,000</b>	<b>1,250,000</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Stadium Membrane Repairs</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0419
<b>Project Location</b>	Civic Stadium
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	25

**Project Details**

**Project Description**

This project is to repair/replace the waterproofing membrane over the Civic Stadium.

**Justification**

The existing waterproofing membrane on the Stadium leaks in multiple areas causing water penetration into the facility below the stadium. The water damage has caused mold infestation impacting facility operations and occupational health and safety concerns.

This project is proposed as a phased approach.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Infrastructure	400,000	0	0
Conditions Audit Reserve	0	700,000	0
<b>Total Financing Sources</b>	<b>400,000</b>	<b>700,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Mary St Parking Garage Lease Space</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	11 Buildings
<b>Project Number</b>	11-0438
<b>Project Location</b>	Mary St - Lease Space
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	37

**Project Details**

**Project Description**

This Project is for the first phase of leasehold improvements required at 1 - Mary Street. This phase is for the former C.I.B.C. Wood Gundy location which is currently occupied as a COVID-19 Assessment Centre. Subsequent phases are required in future years to the remaining spaces.

2022 Work includes:

- accessible modernization to the main entrance and washrooms to comply with Ontario Building Code and A.O.D.A. requirements
- new flooring and ceiling tile
- electrical and plumbing modifications
- energy efficient heating and cooling modifications

**Justification**

The goal of this project is to deliver a Business and Investment Hub to Oshawa's Downtown Core. The enhancements of the space will create a hub to support investment attraction and revitalization of the Downtown, and enhanced service access to the small business community in the City. Main street service from Economic Development will extend support to the Central Business District following the disbandment of the Downtown Oshawa B.I.A. Furthermore, the enhancements will bring a long term tenancy to the Mary Street Parking Garage unit, which support the rejuvenation of this area and support goals related to safety and security in Oshawa's downtown. The long-term vision of this hub is to bring together other business services, including the potential for the Greater Oshawa Chamber of Commerce. This project would be phase 1 of upgrades to street level units at the Mary Street parking garage and in future years enhancements will need to be made to other units in the facility.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Downtown Revitalization	425,000	800,000	0
<b>Total Financing Sources</b>	<b>425,000</b>	<b>800,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Corporate Fleet Acquisitions</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0056
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	33

**Project Details**

**Project Description**

To maintain a reliable fleet, a scheduled replacement program is followed to ensure all units in the fleet are replaced in a timely and efficient manner. In addition, each individual unit due for replacement is thoroughly inspected. The need for the replacement of each unit is reviewed relative to the impact of higher operating/repair costs and poorer reliability which could occur when not replaced according to schedule.

**Justification**

Refer to the 2022 Vehicle and Equipment listing for details.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	2,756,000	14,474,000	11,441,000
<b>Total Financing Sources</b>	<b>2,756,000</b>	<b>14,474,000</b>	<b>11,441,000</b>

2022 Vehicle and Equipment Listing

Description	Branch	Asset Number	Model Year	Life Cycle	Age	# of KMS or Hours	Unit	Budget
Chev Equinox	Engineering	03130	2013	7	7	155,505	KM	32,000
Chevrolet 1500 Express Van	Animal Services	07141	2014	8	8	80,030	KM	40,000
Chevrolet Colorado	Parks	08121	2012	7	8	77,065	KM	45,000
GMC 3500 RC Stake Truck	Roads	09140	2014	9	8	55,959	KM	100,000
Labrie 7400 Side Loader	Waste	19112	2011	8	11	114,022	KM	355,000
Bannerman Top Dresser	Parks	23910	1991	15	31	-	-	35,000
Trackless Plow, Snowblower & Sander	Roads	31110	2011	10	9	3,192	HRS	150,000
Compac 1 ton Roller	Parks	32020	2002	20	20	1,038	HRS	25,000
JDJ gen util trailer sin axl	Roads	77020	2002	20	20	-	-	8,500
JDJ gen util trailer sin axl	Roads	77021	2002	20	20	-	-	18,000
R.P. tandem guide rail trailer	Roads	77022	2002	20	20	-	-	8,500
Trailer tandem	Roads	77921	1992	20	30	-	-	9,000
Rttnhse 500 g water tank	Parks	81020	2002	20	20	-	-	15,000
Rttnhse 500 g water tank	Parks	81021	2002	20	20	-	-	15,000
Rttnhse 200 gal skid mtd	Parks	81890	1989	20	33	-	-	15,000
Suter 200 gal root spyr	Parks	81891	1989	20	33	-	-	15,000
Rttnhse 200 g water tank	Parks	81930	1993	20	29	-	-	15,000
Rttnhse 500 g water tank	Parks	81931	1993	20	29	-	-	15,000
Portable welder	Parks	89930	1993	4	29	-	-	30,000
John Deere Tractor w/ rear mount mower	Parks	43113	2013	10	8	-	-	195,000
Tanker	Fire	55040	2004	18	18	-	-	550,000
Pumper	Fire	55041	2004	18	18	-	-	930,000
Radio Replacement	Fire	N/A				-	-	100,000
Extractor/Dryer - Station #2	Fire	N/A				-	-	35,000
<b>Total Corporate Fleet Acquisition</b>								<b>2,756,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>New Vehicle Acquisition - MLELS Vehicles</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0127
<b>Project Location</b>	Various
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	29

**Project Details**

**Project Description**

Acquisition of two new vehicles to support decentralization and current staffing levels for municipal law enforcement.

In order to improve efficiency and response time three officers will now be located at an office at the Oshawa Executive Airport and one officer will be dedicated to the downtown working out of City Hall. In order to reduce travel time it is appropriate to have vehicles located at these locations. This change results in a reduction of pool vehicles available for the other officers.

**Justification**

Per Council report CORP-21-43 dated September 8, 2021.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	130,000	0	0
<b>Total Financing Sources</b>	<b>130,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Electric Charging Infrastructure - Fleet Vehicles</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0128
<b>Project Location</b>	Consolidated Operations Depot
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	44

**Project Details**

**Project Description**

Supply, delivery and installation of primary battery electric vehicle (B.E.V.) charging infrastructure including ten (10) Level Two charging stations.

**Justification**

In alignment with the City's Corporate Greenhouse Gas (G.H.G.) Reduction Plan, as detailed in Report DS-16-25, this capital infrastructure is a requirement for the City's fleet to accommodate battery electric vehicles at the Consolidated Operations Depot (C.O.D.).

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	500,000	0	0
<b>Total Financing Sources</b>	<b>500,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Flail Boom Mower Attachment</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0129
<b>Project Location</b>	Citywide
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	29

**Project Details**

**Project Description**

To purchase a Flail Boom Mower Attachment for tractor for rural roadside grass mowing and vegetation control for Road Operations.

**Justification**

Attachment will allow rural grass cutting to be completed in accordance to provincial standards.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	120,000	0	0
<b>Total Financing Sources</b>	<b>120,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Asphalt Hot Box</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0130
<b>Project Location</b>	Citywide
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	28

**Project Details**

**Project Description**

To purchase a new Asphalt Hot Box for Road Operations.

**Justification**

The City has experienced major growth contributing to the increase in infrastructure and maintenance requirements.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	45,000	0	0
<b>Total Financing Sources</b>	<b>45,000</b>	<b>0</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Line Painting Machine</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0131
<b>Project Location</b>	Citywide
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	26

**Project Details**

**Project Description**

To purchase a new Road Line Painting Machine for Road Operations.

**Justification**

City's road network has increase significantly creating justification for another line painting machine in order to maintain existing infrastructure and paint inventory. There is a desire to implement more controlled intersections within Oshawa. This new machine removes the dependence on contractors to complete work that can be done in-house quicker and less expensive. This new type of paint machine applies paint that has a longer lifecycle and requires less annual maintenance costs. Contractor costs are becoming too expensive therefore using a combination of contractor and in-house staff to complete annual work requirements is a more efficient and effective business solution.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	41,000	0	0
<b>Total Financing Sources</b>	<b>41,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>New Vehicle Acquisition - Roads</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0132
<b>Project Location</b>	Citywide
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	28

**Project Details**

**Project Description**  
 To purchase a new half ton pick-up truck for the new Working Foreman in Road Operations to carry out duties.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	45,000	0	0
<b>Total Financing Sources</b>	<b>45,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>New Vehicle Acquisition - Buildings</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0133
<b>Project Location</b>	Citywide
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	28

**Project Details**

**Project Description**

To purchase a new light duty pick-up truck for the new Building Inspector to carry out duties.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Building Permit Reserve	40,000	0	0
<b>Total Financing Sources</b>	<b>40,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Weedingtech Foamstream M1200</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	13 Vehicles & Equipment
<b>Project Number</b>	13-0134
<b>Project Location</b>	Citywide
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	52

**Project Details**

**Project Description**

The Weedingtech Foamstream M1200 is a system for weed control which uses a combination of hot water insulated by a biodegradable foam. This system is being used by many municipalities as a pesticide-free solution for weed control in parks, boulevards, and streetscapes including Pickering and Toronto. The City of Oshawa Parks Services can reduce the use of current control methods such as, manual removal and Class 11 Biopesticides by using the Foamstream unit. Manual removals and biopesticides are costly and time consuming. The Foamstream unit would greatly improve efficiency by covering larger areas with fewer staff allocated to this task.

This project is to purchase two units at an estimated cost of \$45,000 each.

**Justification**

Since the ban of cosmetic pesticides in Ontario in 2009, municipalities have been struggling to provide weed control in interlocking brick, concrete, asphalt, baseball diamonds, gardens, traffic islands, playgrounds, parking lots and more. The Foamstream weed control system would drastically increase the aesthetic value of our parks and streets as this product has been found to be very effective in neighboring Municipalities.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
City Equipment	90,000	0	0
<b>Total Financing Sources</b>	<b>90,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Downtown Streetscape Redevel</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	21 Streetlighting / Streetscape
<b>Project Number</b>	21-0015
<b>Project Location</b>	King St W - Centre St to McMillan Dr
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	33

**Project Details**

**Project Description**

Phase 4 of this project includes the widening of sidewalks on the north side of King St W from Centre St to McMillan Dr to enhance pedestrian amenities and increase accessibility.

There may be conflicts with the Region of Durham's planned construction on Centre Street from King Street West to Brock Street West. Engineering Services will work with the Region to deliver effectively and mitigate impacts to local businesses and the public.

The Downtown Streetscape Redevelopment program includes the design and construction of the streetscape as per the design principles established in the Council endorsed Oshawa Downtown Streetscape Design Vision. The program is set up with the capital costs of background design investigation preceding the capital costs of construction for each proposed phase. The program scope includes background design investigation costs, sidewalk and curb redevelopment, tree and landscape plantings and street furnishings.

**Justification**

Implements the Council Approved Downtown Oshawa - Plan 20Twenty Strategic Plan, the Vision is to have a safe, appealing, accessible environment, conducive to vibrant business and residential growth. The Vision is to create a new modern appearance of the downtown streetscape furniture.

On October 25, 2021 through report FIN-21-98, Council endorsed pre-budget approval in the 2022 capital budget in the amount of \$700,000 and approved submitting a grant application for this project under the Canada Community Revitalization Fund.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Civic Property Development	525,000	0	0
Downtown Revitalization	175,000	0	0
Tax Levy Contribute to Capital	0	4,840,000	6,027,000
<b>Total Financing Sources</b>	<b>700,000</b>	<b>4,840,000</b>	<b>6,027,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>IT Server Upgrades</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0032
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	43

**Project Details**

**Project Description**

Upgrades to the corporate Information Technology (IT) server environment are required to maintain vendor support, maintain compatibility with corporate systems and to introduce new features.

**Justification**

These server components provide the foundation for the City's corporate business systems.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Information Technology	60,000	120,000	120,000
<b>Total Financing Sources</b>	<b>60,000</b>	<b>120,000</b>	<b>120,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Software Upgrade – G.I.S.</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0040
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	30

**Project Details**

**Project Description**

Software upgrades to the various components of the Geographic Information System (G.I.S.) are required to maintain vendor support, maintain compatibility with other corporate systems, and to introduce new features.

**Justification**

The corporate G.I.S. system is integrated with several key business systems including the new Land Management and Work Management systems. Regular system upgrades will ensure compatibility with integrated systems and provide current tools for geospatial analysis supporting business reviews.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Information Technology	60,000	60,000	120,000
<b>Total Financing Sources</b>	<b>60,000</b>	<b>60,000</b>	<b>120,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Policy and Standards Development</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0103
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	18

**Project Details**

**Project Description**

As identified in the 2020-2024 Information Technology Strategic Plan, this project is a policy and standards development program intended to establish an effective platform to help guide improvements in corporate technology. The scope of the project will include the establishment of an effective IT governance framework, establishment of an IT policy framework and update existing policy, establishment of a Cloud Posture and Strategy, development of corporate data, application, and technology standards, and an annual technology strategy progress check-up.

**Justification**

The 2020-2024 Information Technology Strategic Plan (CORP-20-17) recommends that several policies and standards be developed to ensure the appropriate use of existing technology and to help guide future technology decisions to ensure that new systems are compatible with the City's systems architecture standards and future direction. The establishment of formal policies and standards is an industry best practice consistent with the direction of municipal peers and will reduce corporate risk. Internal staff resources do not have the capacity to develop the policies due to other high priority projects and day-to-day operations, therefore the City will be retaining a consultant to under take the work.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Information Technology	75,000	150,000	0
<b>Total Financing Sources</b>	<b>75,000</b>	<b>150,000</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Modernized / Standardized Meeting Room Technology</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0108
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	19

**Project Details**

**Project Description**

New teleconference technology for city meeting rooms.

**Justification**

The 2020-2024 Information Technology Strategic Plan (CORP-20-17) recommends that the City set a standard for board and meeting rooms (teleconference tech, TV screen, camera) and invest in standardizing meeting room technology in order to promote digital and remote meetings. With the changes in the City's work environment brought on by COVID-19, this project will include an updated needs assessment to respond to the new environment and changing requirements.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Information Technology	100,000	0	0
<b>Total Financing Sources</b>	<b>100,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Replace IT Service Management Tools</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0121
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	30

**Project Details**

**Project Description**

Replacement of the City's existing Information Technology Service Management solution (I.T.S.M.) with a robust, modern solution that can manage service desk and work processes across the branch.

**Justification**

The 2020-2024 Information Technology Strategic Plan (CORP-20-17) recommends that the City replace the current I.T.S.M. system in order to properly support and improve IT service delivery. The current system is difficult to use and hinders automated processes and metrics reporting. A more robust I.T.S.M. tool will optimize IT processes and workflows, provide automation in self-service capabilities and communication of issues, provide easy to produce service metrics, and the ability support IT asset management processes.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Information Technology	100,000	0	0
<b>Total Financing Sources</b>	<b>100,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Communications Systems Infrastructure Strategy</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0123
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	43

**Project Details**

**Project Description**

Several components of the City's current legacy systems are coming to an end-of-life. The strategy will provide a detailed review of the City's existing systems, current and future business needs, required integrations, and a market review of available solutions in order to develop an appropriate go forward plan for replacement technologies.

**Justification**

Several of the City's legacy telephone system components are coming to an end-of-life and investment is required. Failure of these systems would have a significant impact on the City's ability to deliver services. Internal staff resources do not have the capacity to undertake the necessary strategy; therefore, the City will be retaining a consultant to undertake the work.

With the required system replacements, changes in telecommunications technology, the potential for cloud based solutions and the required integration with the City's Microsoft Office 365 roll-out, a detailed review is needed to ensure that future investments are cost-effective, aligned with business needs and with technology trends.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Information Technology	60,000	0	0
<b>Total Financing Sources</b>	<b>60,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Health, Safety and Disability Tracking Software</b>
<b>Department</b>	Office of the City Manager
<b>Subcategory</b>	30 IT / Communications
<b>Project Number</b>	30-0124
<b>Project Location</b>	City Hall
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	55

**Project Details**

**Project Description**

Health, safety and disability is a priority for the City, COVID-19, and the additional health, wellness, disability and safety workload coming out of the pandemic. A Health, Safety and Disability tracking software would allow the City to move away from manual tracking of such an important area.

**Justification**

In the 2017 Health & Safety Audit performed by KPMG, health and safety tracking was identified as a high priority. Part of the issue was tracking of training, which iLearn now assists with, but the health, safety and disability workload also includes incident and accident tracking and reporting as well as internal and external reporting/compliance cycles to adhere to Occupational Health and Safety Act (O.H.S.A.) requirements.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Funded from Other	100,000	0	0
<b>Total Financing Sources</b>	<b>100,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>P.R.L.C. - Facility Needs Assessment Update</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	40 Other
<b>Project Number</b>	40-0004
<b>Project Location</b>	Various
<b>Ward</b>	Citywide
<b>Accessibility</b>	No
<b>Score</b>	35

**Project Details**

**Project Description**

In 2015, the City of Oshawa hired a consultant, Monteith Brown Planning Consultants to provide a strategy, titled the Parks, Recreation, Library and Culture Facility Needs Assessment (P.R.L.C. Assessment), to guide City Council, the Oshawa Public Library Board and other key stakeholders in delivering the facilities necessary to meet the needs as Oshawa's population grows from 158,000 to the 197,000 forecasted by the year 2031.

Recommendation IS17 states that an update to the P.R.L.C. should be completed every five years, with an estimated timing of 2021 to 2025.

This systematic review will update the P.R.L.C. Assessment to include 2016 to 2021 data with respect to facility use, trends and demographics, as well as development and projects that have occurred during the past 5 years.

Recreation and Culture Services would require the assistance of a consultant to complete this review. The review will also inform and engage the public to provide feedback and input for the New Recreation Facility as noted in Report CS-21-66, Community Park and Community Centre in Northwest Oshawa dated June 9, 2021.

**Justification**

The P.R.L.C. Assessment serves to inform multi-year and annual planning and evaluation of capital, fiscal and operational priorities. The document reflects the conditions in 2016 with respect to facility use, trends, demographics, development and projects for the future as best as possible. The recommendations reflect a significant capital investment, will have annual budgetary implications and must be an actual reflection of the current state as much as is possible. Conditions may change such as development, demographics, and facility usage and it is important to conduct a thorough review of the P.R.L.C. Assessment every five years, as recommended.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	75,000	0	0
Parks Rec Trails Develop DC	75,000	0	0
<b>Total Financing Sources</b>	<b>150,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Impacted Soil Removal</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	40 Other
<b>Project Number</b>	40-0052
<b>Project Location</b>	Raleigh Avenue
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	46

**Project Details**

**Project Description**

This project is intended as an annual removal of impacted soil and final grading at the Raleigh Operations Yard. It is estimated that there is approximately 15,000 cubic metres or 22,500 tonnes of stockpiled material to be removed. This project is intended to reduce the pile by removing 3,000 cubic metres annually over 5 years (2021 to 2025) thereby demonstrating proactive measures for reducing risk, and providing surface remediation, which will reduce the discharge of pollutants to storm water and providing opportunities for future operational uses of the site.

**Justification**

This project shall include excavation, transport, and disposal of impacted material in accordance with the rules and regulations of all Ministry and Federal Agencies.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Civic Property Development	285,000	1,140,000	0
<b>Total Financing Sources</b>	<b>285,000</b>	<b>1,140,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Remove and Replace Fuel Storage Tanks</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	40 Other
<b>Project Number</b>	40-0065
<b>Project Location</b>	Oshawa Executive Airport
<b>Ward</b>	Ward 2
<b>Accessibility</b>	No
<b>Score</b>	20

**Project Details**

**Project Description**

This project is to remove and replace the fuel storage tanks at the Oshawa Executive Airport.

If approved annual debt payments from operating budget - program 381 will start in 2023.

**Justification**

Subsequent to the tank inspection, observations have noted evidence of corrosion in the bottom of the tank. Replacement is necessary to avoid any health, safety and environmental concerns.

If the tanks are not scheduled as a planned replacement, based on the age and existing condition, a leak could occur at any time. Such failure would immediately suspend use, necessitating emergency replacement where additional costs could be incurred. This project will be funded through an Inter-Fund Note with future payments from fuel profits.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Interfund Note	700,000	0	0
<b>Total Financing Sources</b>	<b>700,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Excess Soil Management</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	40 Other
<b>Project Number</b>	40-0066
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	51

**Project Details**

**Project Description**

This project will complete the pre-engineering requirements to support future construction by completing Assessment of Past Use and Soil Categorization Reports of soils for various engineering projects to be constructed in 2022/2023.

Costs related to haulage and disposal will be included in the individual construction projects. Potential locations include:

- King St W Culvert Replacement
- Townline Rd Intersection Improvements
- Ritson Road North
- Britannia Ave W Connection
- Taunton Rd W Sidewalk
- Adelaide Ave W
- Thornton Rd S Multi-Use Path
- Gibb St W Multi-Use Path
- Bloor St W Multi-Use Path
- Harbour Rd Sidewalk Infill
- Devon Ave/ Guelph St Sidewalk Infill
- Delpark Parking Lot
- King Street Streetscape Improvement
- Howden Road Culvert
- Thornton Road Reconstruction/Widening
- Watercourse Improvements

**Justification**

Per new government legislation O. Reg. 406/19 municipalities need to test and obtain categorization reports in preparation of 2022/2023 projects.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Operations Reserve	325,000	0	0
<b>Total Financing Sources</b>	<b>325,000</b>	<b>0</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>A.T.M.P. Trail Link 3 - Taunton Part II Plan</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	50 Development Related Parks & Trails
<b>Project Number</b>	50-0016
<b>Project Location</b>	Esterbrook Drive
<b>Ward</b>	Ward 1
<b>Accessibility</b>	No
<b>Score</b>	28

**Project Details**

**Project Description**

This project is for the design of the recreational trail connecting Esterbrook Drive, Arborwood Drive and Conlin Road East as identified in the Active Transportation Master Plan. The project will cover the costs and scope of the design work including all required background and feasibility studies. The design work is planned to begin in Q4 2022 and is expected to take 1-2 years to complete. Trail construction will be undertaken upon design completion as a future phase.

Council approved report CS-21-89 on September 27, 2021 to advance the trail design from 2023 to 2022 as identified in the Development Charges By-law update.

**Justification**

This trail link has been identified for development in the Active Transportation Master Plan (A.T.M.P.) which was endorsed by council in 2015 as well as being included in the City's Development Charge By-Law.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	25,000	100,000	0
Parks Rec Trails Develop DC	225,000	900,000	0
<b>Total Financing Sources</b>	<b>250,000</b>	<b>1,000,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Parks Development - Site Investigations</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	50 Development Related Parks & Trails
<b>Project Number</b>	50-0046
<b>Project Location</b>	City Wide
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	32

**Project Details**

**Project Description**

This project includes funding to assist in the completion of park design, technical investigations, field surveys, materials testing, third party inspections as well as the acquisition of technical equipment related to various park and trail development projects. Locations are determined on an as needed basis.

**Justification**

The use of consultants may be required for technical services that require specialized skills (i.e. shoreline engineering investigation, geotechnical studies, environmental reviews, archaeological studies).

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	1,000	4,000	3,000
Parks Rec Trails Develop DC	24,000	96,000	72,000
<b>Total Financing Sources</b>	<b>25,000</b>	<b>100,000</b>	<b>75,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Thornton Community Park</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	50 Development Related Parks & Trails
<b>Project Number</b>	50-0052
<b>Project Location</b>	Thornton Road North
<b>Ward</b>	Ward 2
<b>Accessibility</b>	No
<b>Score</b>	30

**Project Details**

**Project Description**

This project involves the development of the Thornton Community Park which includes passive recreational amenities, accessible pathways, site furniture, pickleball courts, one 11v11 soccer field, a major playground, phase two of the BMX bike park, formal gardens, plantings and naturalization areas. The scope and costs in 2022 are related to the design phase of this project. Design work is planned to commence in Q1 2022 and is expected to take 1-1.5 years to complete. Construction will be undertaken upon design completion.

**Justification**

This project is a continuation of the Phase 1 BMX park approved by council in CS-21-28 dated March 29, 2021.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	1,207,000	0	0
Parks Rec Trails Develop DC	1,873,000	0	0
<b>Total Financing Sources</b>	<b>3,080,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Gold Point Wildlife Reserve</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	50 Development Related Parks & Trails
<b>Project Number</b>	50-0066
<b>Project Location</b>	Gold Point Wildlife Reserve
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	26

**Project Details**

**Project Description**

This project involves the development of the Gold Point Wildlife Reserve including accessible pathways, site furniture, interpretive signage, formal butterfly education gardens, enhancement to the existing plantings and naturalized areas. The scope and costs are related to the construction phase of this project. Construction work is planned to begin in Q2 2022 and is expected to take 9 months to complete.

**Justification**

Per CS-21-71 Lakefront West Park: Conceptual Plans, dated June 14, 2021, Council directed staff to develop Concept B in its entirety plus the formal butterfly garden and gathering space from Concept A.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	340,000	0	0
Parks Rec Trails Develop DC	470,000	0	0
<b>Total Financing Sources</b>	<b>810,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Kingside Park Redevelopment</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	51 Parks
<b>Project Number</b>	51-0095
<b>Project Location</b>	Kingside Park
<b>Ward</b>	Ward 5
<b>Accessibility</b>	Yes
<b>Score</b>	44

**Project Details**

**Project Description**

This project involves the redevelopment of Kingside Park including the replacement of the existing playground equipment and safety surfacing, site furniture and pathways along with the addition of four pickleball courts. The existing tennis courts and existing substandard 53m diamond will be removed. The addition of plantings and naturalization for passive recreation will also be included. The scope and costs are related to the construction phase of this project. Construction work is planned to begin in Q2 2022 and is expected to take 9 months to complete.

**Justification**

Playground equipment is no longer compliant with City of Oshawa Quality Standard Q4-309-017 - Playspace and Equipment Inspection Maintenance, Repair and Replacement. Several park amenities are not in compliance with the Accessibility for Ontarians with Disabilities Act (A.O.D.A.) or the City's Oshawa Accessibility Design Standards (O.A.D.S.). Plantings and naturalization within this park will contribute to increased native plant diversification, assist in storm water retention, providing passive cooling, and reducing the amount of maintained lawn areas as recommended by the Durham Community Climate Adaption Plan.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Park&Recreation Infrastructure	1,300,000	0	0
<b>Total Financing Sources</b>	<b>1,300,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Cordova Valley Park</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	51 Parks
<b>Project Number</b>	51-0099
<b>Project Location</b>	Cordova Valley Park
<b>Ward</b>	Ward 5
<b>Accessibility</b>	Yes
<b>Score</b>	27

**Project Details**

**Project Description**

The Cordova Valley Park redevelopment project requires additional capital funding to upgrade the water service connection and associated in-road work within Glen St. to accommodate the new minor splash pad.

**Justification**

Per Council direction (FIN-21-40, dated 2021-04-26) to add a minor splash pad at Cordova Valley Park, background investigation and design work was completed to determine the servicing requirements. During the detailed design, it was determined that an upgraded water servicing connection is required within Glen St. to provide water for the Splash Pad due to legacy infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Park&Recreation Infrastructure	240,000	0	0
<b>Total Financing Sources</b>	<b>240,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Deer Valley Park Redevelopment</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	51 Parks
<b>Project Number</b>	51-0108
<b>Project Location</b>	Deer Valley Park
<b>Ward</b>	Ward 2
<b>Accessibility</b>	Yes
<b>Score</b>	44

**Project Details**

**Project Description**

This project involves the redevelopment of Deer Valley Park including the replacement of the existing playground equipment and site furniture and pathways along with the addition of a minor splash pad, and the addition of plantings and naturalization areas. The scope and costs are related to the construction phase of this project. Construction work is planned to begin in Q2 2022 and is expected to take 9 months to complete.

**Justification**

Pre-budget approval via CNCL 21-76 dated September 28, 2021 via grant application. Playground equipment is no longer compliant with City of Oshawa Quality Standard Q4-309-017 - Playspace and Equipment Inspection Maintenance, Repair and Replacement. Several park amenities are not in compliance with the Accessibility for Ontarians with Disabilities Act (A.O.D.A.) or the City's Oshawa Accessibility Design Standards (O.A.D.S.). A minor splash pad is warranted at this location based on the City's Splash Pad Policy. Plantings and naturalization within this park will contribute to increased native plant diversification, assist in storm water retention, providing passive cooling, and reducing the amount of maintained lawn areas as recommended by the Durham Community Climate Adaption Plan.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Park&Recreation Infrastructure	845,000	0	0
<b>Total Financing Sources</b>	<b>845,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Florell Park Redevelopment</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	51 Parks
<b>Project Number</b>	51-0127
<b>Project Location</b>	960 Florell Drive
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	40

**Project Details**

**Project Description**

This project involves the redevelopment of Florell Drive Park including the replacement of the existing playground equipment and site furniture, the addition of an accessible pathway as per Oshawa Accessible Design Standards (O.A.D.S.), and the addition of plantings and naturalization areas. The scope and costs are related to the construction phase of this project. Construction work is planned to begin in Q3 2022 and is expected to take 6 months to complete.

**Justification**

Florell Drive Park requires an accessible path of travel as per O.A.D.S. and the Accessibility for Ontarians with Disabilities Act (A.O.D.A) to the playground area. Council directive included the design development of Florell Drive Park on November 27, 2020.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Park&Recreation Infrastructure	430,000	0	0
<b>Total Financing Sources</b>	<b>430,000</b>	<b>0</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Pumphouse Marsh Viewing Deck</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	51 Parks
<b>Project Number</b>	51-0130
<b>Project Location</b>	Pumphouse Marsh
<b>Ward</b>	Ward 5
<b>Accessibility</b>	Yes
<b>Score</b>	39

**Project Details**

**Project Description**

The Pumphouse Marsh Lookout requires replacement due to structural failure. The scope of this project includes the detail design and associated permitting of a new lookout / dock structure. The design work is planned to begin in Q2 2022 and is expected to take 1 year to complete. Construction will be undertaken upon design completion.

**Justification**

The existing Pumphouse Marsh Lookout structure is at the end of its serviceable life based on the City's biennial parks capital audit and requires an elevated level of ongoing annual maintenance. Due to the advanced stage of deterioration, closure and removal of this structure may be possible.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Park&Recreation Infrastructure	175,000	125,000	0
<b>Total Financing Sources</b>	<b>175,000</b>	<b>125,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Michael Starr Trail Improvements</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	52 Trails
<b>Project Number</b>	52-0048
<b>Project Location</b>	Michael Starr Trail
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	15

**Project Details**

**Project Description**

The Michael Starr Trail is a 5 kilometre multi-use recreation trail. 2,822 metres is granular surface which will be surfaced with asphalt, resulting in the full 5 kilometre trail to be an asphalt surfaced trail.

Design and technical background investigations to commence mid-2022 at an estimated cost of \$112,000. Construction is anticipated to commence in 2023 following design completion at a cost of \$1,128,000. Construction estimate is only preliminary as technical design has not been undertaken.

**Justification**

Referred to the 2022 Capital Budget to be considered as a Potential Adjustment per Council direction on October 25, 2021.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Infrastructure	1,240,000	0	0
<b>Total Financing Sources</b>	<b>1,240,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Storm Water Mgmt Pond Cleaning</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	54 SWM / Watercourse
<b>Project Number</b>	54-0005
<b>Project Location</b>	Various
<b>Ward</b>	Ward 3
<b>Accessibility</b>	No
<b>Score</b>	49

**Project Details**

**Project Description**

To inspect, remove and dispose of sediment in the stormwater management pond at 1254 Maddock Court in order to provide proper operating capacity and function. A poorly functioning pond puts fresh water quality and fish habitat at risk.

**Justification**

A stormwater management (SWM) pond is an engineered pond designed to control the quantity and quality of storm water prior to its discharge into the local water course to reduce the impacts of development on the watershed. It controls the quantity of runoff water, prevents erosion and flood damage and is designed to collect water and allow sediment to settle to the bottom of the pond, instead of traveling downstream. As the pond collects the sediment over time it will need to be cleaned every 5 - 10 years to allow more sediment to settle in order to be in compliance with the Ministry of Environment and all the conditions set out in its Certificate of Approval.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	0	900,000	1,425,000
Operations Reserve	275,000	0	0
<b>Total Financing Sources</b>	<b>275,000</b>	<b>900,000</b>	<b>1,425,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Consortium Watercourse Bank Stabilization Program</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	54 SWM / Watercourse
<b>Project Number</b>	54-0022
<b>Project Location</b>	Various
<b>Ward</b>	Ward 3
<b>Accessibility</b>	No
<b>Score</b>	32

**Project Details**

**Project Description**

This program is a continuation of our pilot project, which started as a partnership between Ontario Tech University, Central Lake Ontario Conservation Area (CLOCA) and the City in 2013.

The program will require collaboration of various parties, such as staff from Development Services and Community Services, product representatives if any, staff from CLOCA, and where practical, students from Ontario Tech University.

The intent of this program is to help staff obtain in-house knowledge and experience to undertake creek bank stabilization projects using alternative products and/or new techniques, which come onto the market from time to time.

The successful implementation of this program may prevent the selected erosion site from further deterioration and progression into a more costly capital project in the future.

In addition, the products are evaluated on cost, ease of installation and monitored for performance for future design consideration on our larger scale capital watercourse improvement projects.

The anticipated location for 2022 is along Harmony Creek Branch 1 adjacent to 747 Hoskin Ave(intersection of Hoskin Avenue &Riverside Drive South). This location may be subject to change due to unforeseen erosion activities that may take priority.

**Justification**

This program is cost effective and aligns with Oshawa's Strategic Plan for Environmental Responsibility, to protect and conserve the natural environment by providing cleaner water and proactive environmental management.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	2,000	8,000	10,000
Watercourse Improvements DC	8,000	32,000	40,000
<b>Total Financing Sources</b>	<b>10,000</b>	<b>40,000</b>	<b>50,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Consortium WC Monitoring Prgm</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	54 SWM / Watercourse
<b>Project Number</b>	54-0047
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	24

**Project Details**

**Project Description**

The Consortium Watercourse Monitoring Program is a continuation of the 2013 Partnership between Ontario Tech University, Central Lake Ontario Conservation Authority (CLOCA) and the City to monitor the water quality of the City's creek system on a regular basis.

This program is built on the previous CLOCA's Watercourse Monitoring Program and is intended for allowing the City and CLOCA to continuously monitor the health of our watercourses and measure the effectiveness of the SWM works that have been undertaken within the City in prior years.

The project is in line with the City's focus on watercourse and water quality. The monitoring program will have several purposes:

- 1) To assess water quality conditions in the City's creek systems starting with Oshawa Creek & Montgomery Creek first.
  - 2) To help the City identify factors contributing to beach closures at Lakeview Park.
  - 3) To build on the collection of data to support statistical analysis investigating trends and patterns.
  - 4) To report approximately every 5 years (the next report is anticipated by 2023).
- Monitoring builds year over year data to contribute to the reporting

Monitoring will continue at the following locations in 2022:

Oshawa Creek - Brawley Rd east of Thickson Rd, west and east branch at Conlin Rd, Adelaide Ave east of Arena St, at Thomas St, north of Hurd Rd, west of Simcoe St  
 Goodman Creek - Nassau St across from Village Union Public School  
 Montgomery Creek - at Wentworth St, at Bloor St (Culvert A & B)  
 Harmony Creek - at Olive Ave

**Justification**

This project promotes the following themes of Oshawa's Strategic Plan: Safe and Reliable Infrastructure, Proactive Environmental Management and Combat Climate Change.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Tax Levy Contribute to Capital	30,000	120,000	150,000
<b>Total Financing Sources</b>	<b>30,000</b>	<b>120,000</b>	<b>150,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Runway 05/23 Visual Aid Location Remediation</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	70 Airport
<b>Project Number</b>	70-1720
<b>Project Location</b>	Oshawa Executive Airport - Runway 05/23
<b>Ward</b>	Ward 2
<b>Accessibility</b>	No
<b>Score</b>	34

**Project Details**

**Project Description**

As part of the WSP Year #3 S.M.S. (Safety Management System) audit at the Oshawa Executive Airport, regulatory non-compliances related to runway edge light and runway end light spacing and location, and sign location on runway 05/23 were identified. An airfield electrical contractor must be retained to complete the corrective action required to ensure regulatory compliance.

**Justification**

The current runway edge and end light location and spacing and bravo information sign location do not comply with the regulatory standards in force. Although the regulatory non-compliances were identified by our external auditor it is important to note that the non-compliance can be identified by the regulator (Transport Canada) resulting in ministerial orders to correct the issue. Along with ministerial orders, the minister also has the ability to fine the airport for regulatory non-compliance if not corrected.

There is no immediate safety concern associated with the current location and spacing but the airport is non-compliant with the regulatory requirements while the issue remains unresolved.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Airport Development	50,000	0	0
<b>Total Financing Sources</b>	<b>50,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Darcy St Culvert Replacement</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	71 Bridges
<b>Project Number</b>	71-0044
<b>Project Location</b>	0.04km E of Oshawa Blvd N
<b>Ward</b>	Ward 2
<b>Accessibility</b>	No
<b>Score</b>	43

**Project Details**

**Project Description**

This project represents the additional funding required to deliver for the Darcy St culvert replacement approved in 21710044. Included within this project is \$135,000 for external services to deliver inspection and contract administration services.

Replacing the culvert will prevent an unplanned culvert failure from occurring and potentially closing the road for an even longer period of time. This project will also facilitate the completion of bank stabilization measures at a property where the homeowner has petitioned for work with a contribution from the homeowner under the City's 2003 Cost Sharing Policy for Erosion Protection Works on Private Property.

This is a Class A Estimate based on the completed tender package provided by the consultant in the detailed design of the structure.

This culvert is on Darcy St, 0.04km east of Oshawa Blvd N.

**Justification**

The City is required by Ontario Regulation 104/97 to keep all bridges safe and in good repair. Inspections are performed to determine the integrity, safety and condition of bridges in accordance with the regulation and with the Ontario Structure Inspection Manual. The structural engineer retained by the City prioritized this structure in the 2019 inspection.

This project promotes Oshawa's Strategic Plan theme of Safe and Reliable Infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	285,000	0	0
<b>Total Financing Sources</b>	<b>285,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Hillcroft St Culvert Replacement</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	71 Bridges
<b>Project Number</b>	71-0079
<b>Project Location</b>	10m north of Central Park Blvd N
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	43

**Project Details**

**Project Description**

The scope of the project includes, but is not limited to, structure replacement.

Replacement of the culvert within the advised time frame will prevent an unplanned culvert failure from occurring and potentially closing the road for an even longer period of time.

Construction is expected to commence Q2 2022 and be completed in Q4 2022.

The culvert is located over Harmony Creek at the intersection of Central Park Blvd N and Hillcroft St.

**Justification**

The City is required by Ontario Regulation 104/97 to keep all bridges safe and in good repair. Inspections are performed to determine the integrity, safety and condition of bridges in accordance with the regulation and with the Ontario Structure Inspection Manual. The structural engineer retained by the City prioritized this structure in the 2019 inspection.

This project promotes Oshawa's Strategic Plan theme of Safe and Reliable Infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	2,000,000	0	0
Infrastructure	953,000	0	0
Tax Levy DC Leveraging	100,000	0	0
<b>Total Financing Sources</b>	<b>3,053,000</b>	<b>0</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Culvert Structural Relining</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	71 Bridges
<b>Project Number</b>	71-0084
<b>Project Location</b>	Various
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	43

**Project Details**

**Project Description**

This projects represents additional funding for additional inspection and contract administration services required to deliver previously approved project 21710084. The scope of the project includes but is not limited to the relining of structure 000017 - Hillcroft St (200m west of Wilson Rd N) and structure 000314 - Wilson Rd N (900m south of Columbus Rd E).

**Justification**

The City is required by Ontario Regulation 104/97 to keep all bridges safe and in good repair. Inspections are performed to determine the integrity, safety and condition of bridges in accordance with the regulation and with the Ontario Structure Inspection Manual. The structural engineer retained by the City prioritized these structures in the 2019 inspection.

This project promotes Oshawa's Strategic Plan theme of Safe and Reliable Infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Tax Levy Contribute to Capital	135,000	0	0
<b>Total Financing Sources</b>	<b>135,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Pedestrian Structure Replacements</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	71 Bridges
<b>Project Number</b>	71-0092
<b>Project Location</b>	350m south of Bloor St W and 200m west of Erie St
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	43

**Project Details**

**Project Description**

The scope of this project includes, but is not limited to, design and rehabilitation of pedestrian bridges as well as installing a new conveyance pipe that will run underground beneath the pedestrian structures. The pipe will manage the overland flow of water and convey it down the hill and into the creek without undermining the new structure. The replacement of the structures will coincide the delivery of previously approved project 21540065.

Replacing the pedestrian bridges within the advised time frame will prevent an unplanned failure from occurring. The pipe construction is a class D estimate, as a more detailed design is yet to be completed for this portion of the project.

Structure locations:

MS-1-1007 - 200m west of Erie St (300m south of Bloor St W)

MS-1-2053 - 50m south of Bloor St W (200m west of Erie St) - currently closed Design to begin in 2022 with construction anticipated to begin July 2022 and completed in Q4 2022 for both structures.

**Justification**

The City is required by Ontario Regulation 104/97 to keep all bridges safe and in good repair. Inspections are performed to determine the integrity, safety and condition of bridges in accordance with the regulation and with the Ontario Structure Inspection Manual. The structural engineer retained by the City prioritized this structure in the 2019 inspection.

The proposed project is a proactive measure to protect infrastructure from continued erosion and the natural environment. This project promotes the following themes of the City's Strategic Plan: Safe and Reliable Infrastructure; Proactive Environmental Management and Combat Climate Change.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	23,000	0	0
Watercourse Improvements DC	77,000	0	0
Operations Reserve	338,000	0	0
<b>Total Financing Sources</b>	<b>438,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Columbus Park Parking Lot</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	72 Municipal Parking
<b>Project Number</b>	72-0002
<b>Project Location</b>	Columbus Community Centre
<b>Ward</b>	Ward 1
<b>Accessibility</b>	No
<b>Score</b>	49

**Project Details**

**Project Description**

The existing parking lot is needs to be reconstructed.

**Justification**

The existing parking lot is beyond the point of repair and poses a safety concern to users. Full reconstruction is required. Design to be completed internally by Engineering Services. Design package to included drawings and specifications for tender.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Civic Property Development	250,000	0	0
Infrastructure	550,000	0	0
<b>Total Financing Sources</b>	<b>800,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Pavement Repair Program</b>
<b>Department</b>	Corporate Services
<b>Subcategory</b>	72 Municipal Parking
<b>Project Number</b>	72-0045
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	49

**Project Details**

**Project Description**

Subsequent to an assessment by City staff, this project is to rehabilitate, maintain and treat existing deterioration of the City's parking lots, in order to protect them from further deterioration and restore their condition and serviceability and reduce safety risk. Locations will be identified based on priorities following assessment.

**Justification**

This program will protect the parking lots from premature deterioration and will enable the maximum useful life of the parking lots to be achieved. The new surface areas will benefit those who travel on it and prevent the City from having to reconstruct earlier than necessary at a greatly increased cost.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Conditions Audit Reserve	125,000	500,000	625,000
<b>Total Financing Sources</b>	<b>125,000</b>	<b>500,000</b>	<b>625,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Conlin Road West</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	73 Development Related Roads
<b>Project Number</b>	73-0452
<b>Project Location</b>	West City Limits to Stevenson Rd N
<b>Ward</b>	Ward 2
<b>Accessibility</b>	No
<b>Score</b>	31

**Project Details**

**Project Description**

Additional funding for the previously approved project 21730452 is required to accommodate the design requirements for post development stormwater flow as per the policy documented in the Northwood Industrial Area Stormwater Management Plan.

To satisfy the objective of the Northwood Business Area Master Stormwater Management Plan, this project will include a new Conlin Road storm sewer system, which will have the capacity to support the future developments in the north-west quadrant of the Conlin Road & Thornton Road intersection.

The costs associated were not known at the time of the initial project submission and were only identified after the completion of the detailed design and during development submission reviews. This project will be delivered as part of Region of Durham construction contract D2021-024 with construction to commence late 2021 or early 2022.

Design of the storm sewer infrastructure is still in process; this estimate is a class D estimate and will be refined as the detailed design is finalized.

**Justification**

The City, under the Environmental Assessment Act, had a Municipal Class Environmental Assessment conducted on the entire length of Conlin Rd. It was confirmed that the study was categorized as a Schedule C, meaning reconstruction or widening to change the purpose or capacity of the road is required.

This project promotes the following themes of Oshawa's Strategic Plan: Safe and Reliable Infrastructure; an Active, Healthy and Safe Community.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Roads DC	3,200,000	0	0
Transportation Reserve	800,000	0	0
<b>Total Financing Sources</b>	<b>4,000,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Subdivision Related Projects</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	73 Development Related Roads
<b>Project Number</b>	73-0490
<b>Project Location</b>	Various
<b>Ward</b>	Ward 1
<b>Accessibility</b>	No
<b>Score</b>	51

**Project Details**

**Project Description**

With City Council approval of a draft Plan of Subdivision, the City requires the developer to enter into a subdivision agreement in accordance with the Planning Act to ensure fulfillment of all conditions of that approval are satisfied prior to release of the plan for registration. One condition requires that arrangements be made for the City's share of financing for the development.

This project represents the sum of all the City's share of financing that are anticipated to require payment throughout the year. This project will fund Stage 1 obligations in three developments in the Kedron development area, between Harmony Road North and Wilson Road North, west of Grandview, and east of Harmony.

The projects requiring the City's share of financing can consist of the following: stage 1 construction where the City is committed to pay for the granular base and base asphalt of the difference between a local and arterial/collector sized road. Stage 2 construction where the City is committed to pay for the surface asphalt difference between a local and arterial/collector sized road and any required road culverts or bridges on arterial roads. The developer is committed to the funding of the remaining road related items within the subdivision development.

Where possible the City's share of the cost has been calculated in accordance with City Council policy for payment as set out in all subdivision agreements which is further set out in the Development Charge Background Study and has accordingly been included for payment in the Subdivision Agreement documents.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Roads DC	234,000	379,000	0
<b>Total Financing Sources</b>	<b>234,000</b>	<b>379,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>A.T.M.P. Cycling Network Expansion</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0007
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	33

**Project Details**

**Project Description**

This project is required to implement on-road cycling facilities and bicycle repair stations as approved by Council. The introduction of a cycling route with an edge line provides significantly more comfort for the cyclist, as compared to a cycling route with signage only. For this reason, staff recommends the use of edge lines for cycling routes in Oshawa, where pavement width allows. The implementation of bicycle repair stations is intended to support and promote cycling within the city. The free-to-use, publicly-accessible repair stations will be installed along popular cycling routes and pathways that attract heavy cycling traffic.

The 2022 locations for cycling infrastructure and bicycle repair station implementation are being reviewed with the Oshawa Active Transportation Advisory Committee and other City departments.

**Justification**

In 2015, Council approved the Active Transportation Master Plan (A.T.M.P.). As part of the Integrated Transportation Master Plan, it provides guidelines for implementing on and off-road cycling facilities and supporting infrastructure. The purpose of this study is to create a plan to establish travel corridors, identify recommended routes, prepare design criteria, and an implementation strategy for a City-wide cycling network for utilitarian and recreational purposes.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	0	200,000	150,000
Tax Levy Contribute to Capital	50,000	0	0
<b>Total Financing Sources</b>	<b>50,000</b>	<b>200,000</b>	<b>150,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Asphalt Preservation and Rehab</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0043
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	41

**Project Details**

**Project Description**

The road candidates comprising this program are at different points in their lifecycle and require appropriate treatment to prolong their life and avoid premature failure. In addition to addressing pavement deficiencies, high-risk deficiencies on ancillary right-of-way assets such as curb and gutter and sidewalk are also addressed. This assists in prolonging the life of the roadway and it promotes a safe driving and walking experience for residents.

The Asphalt Preservation program aims to sustain the current level of service and protect the City's road infrastructure from premature deterioration and will enable the maximum lifetime of the road structure to be achieved. The new riding surface will benefit those who travel the streets.

2022 candidates list as additional attachment.

**Justification**

The City's Asset Management Plan will inform service levels. This project aligns with the following theme from Oshawa's Strategic Plan: Safe and Reliable Infrastructure. Failure to financially invest an amount to maintain the desired condition benchmark or to account for the growth in the network will lead to premature failure of the roads and more expensive and intrusive treatments such as road reconstruction.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	1,865,000	53,639,000	51,384,000
<b>Total Financing Sources</b>	<b>1,865,000</b>	<b>53,639,000</b>	<b>51,384,000</b>



## 2022 Asphalt Preservation and Rehab Candidates List

NAME	FROM	TO
CADILLAC AVE N	KING ST E	ROGERS ST
CADILLAC AVE N	ROGERS ST	BOND ST E
BEATRICE ST W	HORTOP ST	SIMCOE ST N
BEDFORD AVE	MOHAWK ST	CHEVROLET ST
BYNG AVE	SOMERVILLE ST	HORTOP ST
BYNG AVE	HORTOP ST	SIMCOE ST N
CHEVROLET ST	BEDFORD AVE	SUNSET DR
CHEVROLET ST	SUNSET DR	SHERWOOD AVE
CHURCHILL AVE	SOMERVILLE ST	HORTOP ST
CHURCHILL AVE	HORTOP ST	73 M E OF HORTOP ST
HORTOP CT	SOUTH LIMIT	CHURCHILL AVE/HORTOP ST
HORTOP ST	CHURCHILL AVE/HORTOP ST	SUNSET DR
HORTOP ST	SUNSET DR	SHERWOOD AVE
HORTOP ST	SHERWOOD AVE	PONTIAC AVE
HORTOP ST	PONTIAC AVE	BEATRICE ST W
HORTOP ST	BEATRICE ST W	BYNG AVE
MOHAWK ST	SWITZER DR	BEDFORD AVE
MOHAWK ST	BEDFORD AVE	SHERWOOD AVE
SHERWOOD AVE	MOHAWK ST	CHEVROLET ST
SHERWOOD AVE	SOMERVILLE ST	HORTOP ST
SUNSET DR	CHEVROLET ST	SOMERVILLE ST
SUNSET DR	SOMERVILLE ST	HORTOP ST

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Pavement Preservation-Prevent</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0056
<b>Project Location</b>	City Wide
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	19

**Project Details**

**Project Description**

At certain points in the pavement lifecycle, roads begin to exhibit cracking across the surface. Crack Sealing involves placing an asphalt emulsion into the crack and across the immediate surface.

2022 will be year one of a three year multi-year contract, subject to future budget approval in years two and three. Multi-year contracts can serve as an instrument to improved budget stability by hedging against inflation and market forces that can cause the costs of products and construction materials to increase each year.

The attached list of candidates to be considered will be confirmed after the spring thaw. The number of candidates addressed will be based on actual length of cracks in the road at the time of inspection. Candidates are selected based on age and condition assessment and are validated by Engineering Services staff each spring. Not all candidates will be addressed.

**Justification**

When performed at the appropriate time, crack sealing can mitigate initial pavement cracking from spreading into deeper and wider road defects saving the City from having to commit financially to other costly road treatments.

Crack Sealing is a vital treatment in a pavement preservation plan. Performing this treatment will show the City is committed to a pavement preservation policy, which translates to financially responsible decision making for managing the road network.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Tax Levy Contribute to Capital	135,000	540,000	675,000
<b>Total Financing Sources</b>	<b>135,000</b>	<b>540,000</b>	<b>675,000</b>

## 2022 Pavement Preservation Candidates List

NAME	FROM	TO
CADILLAC AVE S	EULALIE AVE	GLIDDON AVE
EULALIE AVE	HURON ST	CLARKE ST
EULALIE AVE	CLARKE ST	RITSON RD S
CADILLAC AVE S	GLIDDON AVE	ATHOL ST E
CLARKE ST	STACEY AVE	EULALIE AVE
LASALLE AVE	EULALIE AVE	GLIDDON AVE
LASALLE AVE	GLIDDON AVE	ATHOL ST E
CHADBURN ST	EULALIE AVE	GLIDDON AVE
GUELPH ST	OLIVE AVE	TAYLOR AVE
BALDWIN CT	SOUTH LIMIT	HOSKIN AVE
DREW ST	BANTING AVE	STACEY AVE
PINE AVE	CROMWELL AVE	MONTRAVE AVE
CHADBURN ST	VIMY AVE/CHADBURN CT	EULALIE AVE
WILLOWDALE AVE	LORINDALE DR	MELROSE ST
WILLOWDALE AVE	MELROSE ST	ORIOLE ST
IVY CT	MARTINDALE ST	EAST LIMIT
MARTINDALE ST	WILLOWDALE AVE	IVY CT
MARTINDALE ST	IVY CT	OAKDALE DR
MARTINDALE ST	OAKDALE DR	QUEENSDALE AVE
OAKDALE DR	MARTINDALE ST	QUEENSDALE AVE
WINDSOR ST	TAYLOR AVE	HOSKIN AVE
BASSWOOD AVE	LORINDALE DR	KEEWATIN ST S
BASSWOOD CT	KEEWATIN ST S	EAST LIMIT
LORINDALE DR	BASSWOOD AVE	WILLOWDALE AVE
WILLOWDALE AVE	MARTINDALE ST	LORINDALE DR
FAREWELL ST	EMERSON CT	TENNYSON AVE
SPRINGDALE CRES	KEEWATIN ST S	KEEWATIN ST S
BRENDA CT	DIANNE DR	NORTH LIMIT
CHADBURN ST	GLIDDON AVE	BRUCE ST
CHADBURN ST	BRUCE ST	ARTHUR ST
CHADBURN ST	ARTHUR ST	ATHOL ST E
DENISE DR	DIANNE DR	KAREN CT
DENISE DR	KAREN CT	KAREN CT
DENISE DR	KAREN CT	KEEWATIN ST S
DENISE DR	KEEWATIN ST S	DIANNE DR
GLIDDON AVE	WILSON RD S	WINDSOR ST
GLIDDON AVE	WINDSOR ST	BALDWIN ST
KAREN CT	DENISE DR	DENISE DR
KEEWATIN ST S	DENISE DR	RONLEA AVE
SUSAN CT	DIANNE DR	NORTH LIMIT
WINDSOR ST	HOSKIN AVE	GLIDDON AVE
DIANNE DR	OLIVE AVE	RONLEA AVE
DIANNE DR	RONLEA AVE	DENISE DR
RONLEA AVE	CAROLYN AVE	KEEWATIN ST S
HARLSTONE CRES	ESTERBROOK DR	WALLIG AVE
FOURTH AVE	BLOOR ST E	EAST LIMIT
WILSON RD N	COLDSTREAM DR	GREENHILL AVE
VERDUN RD	OLIVE AVE	VIMY AVE
SHARBOT ST	WECKER DR	VALLEY DR
WILLOWDALE AVE	ORIOLE ST	KEEWATIN ST S
CENTRAL PARK BLVD S	OLIVE AVE	VIMY AVE
CENTRAL PARK BLVD S	VIMY AVE	EULALIE AVE
CENTRAL PARK BLVD S	EULALIE AVE	GLIDDON AVE

## 2022 Pavement Preservation Candidates List

NAME	FROM	TO
CENTRAL PARK BLVD S	GLIDDON AVE	ATHOL ST E
TENNYSON CT	HARMONY RD S	NORTH LIMIT
BRUCE ST	ALBERT ST	COURT ST
CEDAR ST	BALSAM CRES	BALSAM CRES
CEDAR ST	BALSAM CRES	CHALEUR AVE
CHEVROLET ST	SUNSET DR	SHERWOOD AVE
BANTING AVE	ALBERT ST	COURT ST
ALBANY ST	SIMCOE ST S	ALBERT ST
ST ELOI AVE	RITSON RD S	OSHAWA BLVD S
VERDUN RD	104 m S OF MITCHELL	MITCHELL AVE
WESTMOUNT ST	ELMGROVE AVE	PINE AVE
BRUCE ST	SIMCOE ST S	CELINA ST
BRUCE ST	CELINA ST	ALBERT ST
MITCHELL AVE	OSHAWA BLVD S	VERDUN RD
MITCHELL AVE	VERDUN RD	140 m E OF VERDUN RD
MONTRAVE AVE	ELMGROVE AVE	PINE AVE
CUBERT ST	JOHNSON AVE	MILL ST
SHARBOT ST	PHILLIP MURRAY AVE	WECKER DR
FUNDY CT	PHILLIP MURRAY AVE	55 m N OF PHILLIP MURRAY AVE
FUNDY ST	QUETICO AVE	GEORGIAN CT
DRAKE ST	RALEIGH AVE	259 m N OF RALEIGH AVE
EMERALD AVE	OXFORD ST	PAUL ST
EMERALD AVE	PAUL ST	CEDAR ST
THORNTON RD S	PHILLIP MURRAY AVE	TERWILLEGAR AVE
THORNTON RD S	TERWILLEGAR AVE	SKAE DR
CENTRAL PARK BLVD S	183 m S OF OLIVE AVE	CRERAR AVE
CENTRAL PARK BLVD S	CRERAR AVE	OLIVE AVE
CRERAR AVE	CENTRAL PARK BLVD S	LASALLE AVE
CRERAR AVE	LASALLE AVE	CADILLAC AVE S
CRERAR AVE	CADILLAC AVE S	HIGHLAND AVE
CRERAR AVE	HIGHLAND AVE	WILSON RD S
HIGHLAND AVE	CRERAR AVE	OLIVE AVE
LVIV BLVD	SIMCOE ST S	ALBERT ST
SCUGOG AVE	WECKER DR	VALLEY DR
PORTER ST	GLEN ST	RENFREW CT
RENAISSANCE DR	MAYPORT DR	BEAVERBROOK CT
WALNUT CT	FLORELL DR	NORTH LIMIT
FLEMING CT	SOUTH LIMIT	RENAISSANCE DR
NOEL CT	RENAISSANCE DR	NORTH LIMIT
OHARA CT	SOUTH LIMIT	RENAISSANCE DR
CARNATION CT	WEST LIMIT	FLORELL DR
FLORELL DR	OLIVE AVE	CARNATION CT
FLORELL DR	CARNATION CT	WALNUT CT
FLORELL DR	WALNUT CT	HARMONY RD S
STEVENSON RD S	RENAISSANCE DR	PHILLIP MURRAY AVE
MITCHELL AVE	RITSON RD S	OSHAWA BLVD S
CAPRI CT	HARMONY RD S	NORTH LIMIT
ORIOLE CT	APPLEGROVE AVE	NORTH LIMIT
FRONT ST	SECOND AVE	FIRST AVE
LVIV BLVD	ALBERT ST	FRONT ST
FRONT ST	FIRST AVE	ALBANY ST
MONTRAVE AVE	GIBB ST	FRONTENAC AVE
PAUL ST	PHILLIP MURRAY AVE	EMERALD AVE

## 2022 Pavement Preservation Candidates List

NAME	FROM	TO
RONLEA AVE	35 m S OF DIANNE DR	DIANNE DR
SIMCOE ST S	ERIE ST	CEDAR ST/KNIGHTS RD
CROMWELL AVE	FRONTENAC AVE	ELMGROVE AVE
SHARBOT ST	CHALEUR AVE	PHILLIP MURRAY AVE
KING ST E	MELROSE ST	KEEWATIN ST N
SYLVIA ST	CONANT ST	49 m N OF CONANT ST
KING ST E	HARMONY RD N	MELROSE ST
BRUCE ST	COURT ST	CHARLES ST
CLEARBROOK DR	FETCHISON DR	WRENWOOD DR
RAVINE RD	THOMAS ST	SANDRA ST W
GREENHILL AVE	CLEARBROOK DR	JACK GLENN ST
ATTERSLEY DR	COBBLEHILL DR	LAVIS ST
ATTERSLEY DR	STORIE AVE	ELDERBERRY DR
ATTERSLEY DR	ELDERBERRY DR	STRAWBERRY CT
ATTERSLEY DR	STRAWBERRY CT	CROWELLS ST/TRAILRIDGE CRES
ATTERSLEY DR	CROWELLS ST/TRAILRIDGE CRES	COBBLEHILL DR/TRAILRIDGE CRES
ATTERSLEY DR	COBBLEHILL DR/TRAILRIDGE CRES	WILSON RD N
DOUGLAS ST	CONANT ST	ANNIS ST
WESTMOUNT ST	PINE AVE	KING ST W
ANNIS ST	MARGARET ST	GIFFORD ST
ANNIS ST	GIFFORD ST	ROWENA ST
ANNIS ST	ROWENA ST	DOUGLAS ST
ANNIS ST	DOUGLAS ST	DANIEL ST
ANNIS ST	DANIEL ST	EAST LIMIT
HINTERLAND CT	SWISS HEIGHT	EAST LIMIT OF COURT
RENNIE ST	MISSOM GATE	SCHOOLING DR
GLENWOOD AVE	SOMERVILLE ST	LAW ST
SAMAC CT	SOUTH LIMIT	SAMAC TRAIL/WALREG DR
SAMAC TRAIL	SAMAC CT/WALREG DR	WALREG DR
SCHOOLING DR	RENNIE ST	MISSOM GATE
SILVERSTONE CRES	SHELBURNE ST	SHELBURNE ST
ALDSWORTH CRES	KETTERING DR	CRONK CT
ALDSWORTH CRES	CRONK CT	KETTERING DR
COCKLIN CRES	WOODSTREAM AVE	WOODSTREAM AVE
ELM ST	SIMCOE ST S	CELINA ST
ESTERBROOK DR	KENMARK AVE	HARLSTONE CRES
HARLSTONE CRES	WALLIG AVE	KENMARK AVE
HARLSTONE CRES	KENMARK AVE	ESTERBROOK DR
KENMARK AVE	HARLSTONE CRES	ESTERBROOK DR
MCCUE DR	RENNIE ST	EAST LIMIT
QUEENSBURY DR	QUEENSBURY DR	QUEENSBURY DR
RENNIE ST	MCCUE DR	MISSOM GATE
SHELBURNE ST	SILVERSTONE CRES	SILVERSTONE CRES
SILVERSTONE CRES	SHELBURNE ST	ORMOND DR
WOLFE ST	RITSON RD S	SYLVIA ST
WOODSTREAM AVE	GRANDVIEW ST N	QUEENSBURY DR
WOODSTREAM AVE	QUEENSBURY DR	COCKLIN CRES
WOODSTREAM AVE	COCKLIN CRES	ESTERBROOK DR
ESTERBROOK DR	GRANDVIEW ST N	HARLSTONE CRES
GRANDVIEW ST N	ESTERBROOK DR	GRAHAM CLAPP AVE
LANGFORD ST	COTSWOLD CT	LANGFORD ST
VIMY AVE	HIGHLAND AVE	WILSON RD S
MAYBERRY ST	COLDSTREAM DR	SPENCELY DR

## 2022 Pavement Preservation Candidates List

NAME	FROM	TO
MCCABE CT	WEST LIMIT	BALLANTRAE DR
SPENCELY DR	BALLANTRAE DR/SPENCELY CT	MAYBERRY ST
SPENCELY DR	MAYBERRY ST	YARDLEY ST
SPENCELY DR	YARDLEY ST	SALMERS DR
YARDLEY ST	SPENCELY DR	SALMERS DR
DEAN AVE	TENNYSON AVE	FAREWELL ST
DEAN AVE	FAREWELL ST	CARLYLE CT
DEAN AVE	CARLYLE CT	WHITMAN CRES
DEAN AVE	WHITMAN CRES	245 m E OF WHITMAN CRES
FAREWELL ST	207 m S OF OLIVE AVE	OLIVE AVE
MONTRAVE AVE	56 m S OF COLLEGE AVE	COLLEGE AVE
MONTRAVE AVE	COLLEGE AVE	CLOVERLEAF LEG
NASSAU ST	GIBB ST	ELLIOTT ST
NASSAU ST	ELLIOTT ST	JOHN ST W
PHILLIP MURRAY AVE	EVANGELINE DR	CEDAR ST
WILSON RD N	GREENHILL AVE	CONLIN RD E
SENECA AVE	PATTON ST	MANITOU DR

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Roads Resurfacing</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0148
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	41

**Project Details**

**Project Description**

The road candidates comprising this program are at different points in their lifecycle and require appropriate treatment to prolong their life and avoid premature failure. In addition to addressing pavement deficiencies high-risk deficiencies on ancillary right-of-way assets such as curb and gutter and sidewalk are also addressed. Not only does this assist in prolonging the life of the roadway but it promotes a safe driving and walking experience for residents.

The Roads Resurfacing program will protect the City's road infrastructure from premature deterioration and will enable the maximum lifetime of the road structure to be achieved. The new riding surface will benefit those who travel the streets.

The 2022 project has one location, Wilson Road - 180m south of Conlin Rd E to Conlin Rd E.

**Justification**

The City's Asset Management Plan will inform service levels. This project aligns with the Oshawa Strategic Plan's Safe and Reliable Infrastructure theme - Strategically manage and sufficiently fund the City's present and future assets. Failure to financially invest an amount to maintain sustainability of the desired condition benchmark or to account for the growth in the network will lead to premature failure of the roads and more expensive and intrusive treatments such as road reconstruction.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	214,000	1,236,000	0
Transportation Roads DC	21,000	122,000	0
<b>Total Financing Sources</b>	<b>235,000</b>	<b>1,358,000</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Boundary Road Agreement Obligations</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0151
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	53

**Project Details**

**Project Description**

This project will fund the City's obligation to roads projects under various Boundary Road Agreements.

1. The Town of Whitby manages Boundary Road, north of Wentworth Street West under the agreement and will complete a rehabilitation overlay from Wentworth Street to the northern limits of the road. (Oshawa's share \$225K)
2. The Municipality of Clarington manages Townline Road under the Agreement and will complete rehabilitative work from 210m south of Columbus Rd to Columbus Rd. (Oshawa's share \$15K)

**Justification**

Report CNCL-20-83 approved an update to the Boundary Road Agreement that outlines the City's obligation for the work carried out by the Municipality of Clarington in this location.

This project aligns with the following themes from Oshawa's Strategic Plan: Safe and Reliable Infrastructure; Develop and Leverage Relationships.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	240,000	0	0
<b>Total Financing Sources</b>	<b>240,000</b>	<b>0</b>	<b>0</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Taylorwood Rd (Overlay)</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0155
<b>Project Location</b>	Simcoe to 120m east of Simcoe
<b>Ward</b>	Ward 2
<b>Accessibility</b>	No
<b>Score</b>	41

**Project Details**

**Project Description**

The Taylorwood Rd overlay project is the result of direction from the Development Services Committee for staff to refer it to 2022 budget for consideration (DS-21-132).

Taylorwood Rd requires appropriate treatment to prolong its life and avoid premature failure. In addition to addressing pavement deficiencies, high-risk deficiencies on ancillary right-of-way assets such as curb and gutter and sidewalk are also addressed. This assists in prolonging the life of the roadway and it promotes a safe driving and walking experience for residents. Completion of this project will protect the City's road infrastructure from premature deterioration and will enable the maximum lifetime of the road structure to be achieved. The new riding surface will benefit those who travel the streets.

**Justification**

The City's Asset Management plan will inform service levels. This project aligns with the following theme from Oshawa's Strategic Plan: Safe and Reliable Infrastructure. Failure to financially invest an amount to maintain the desired condition benchmark or to account for the growth in the network will lead to premature failure of the roads and more expensive and intrusive treatments such as road reconstruction.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	280,000	0	0
<b>Total Financing Sources</b>	<b>280,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Region Coordination (Overlay)</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	74 Roads
<b>Project Number</b>	74-0156
<b>Project Location</b>	Veterans Rd & Holland St
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	50

**Project Details**

**Project Description**

Full removal and overlay of Veterans Rd and Holland St in coordination with the Region of Durham. The roads are near the end of their lifecycle and require appropriate treatment to prolong their life and avoid premature failure. In addition to addressing pavement deficiencies, high-risk deficiencies on ancillary right-of-way assets such as curb and gutter and sidewalk are also addressed. This assists in prolonging the life of the roadway and it promotes a safe driving and walking experience for residents.

Completing the road resurfacing by contributing to Region of Durham contract D2022-015, scheduled for 2022 construction, will minimize impact to the residents in the area.

**Justification**

The City's Asset Management plan will inform service levels. This project aligns with the following theme from Oshawa's Strategic Plan: Safe and Reliable Infrastructure. Failure to financially invest an amount to maintain the desired condition benchmark or to account for the growth in the network will lead to premature failure of the roads and more expensive and intrusive treatments such as road reconstruction.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	518,000	0	0
<b>Total Financing Sources</b>	<b>518,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Centre St N &amp; Brock St W - Sidewalk</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	75 Sidewalks
<b>Project Number</b>	75-0115
<b>Project Location</b>	William St W to Simcoe St N
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	49

**Project Details**

**Project Description**

This project for the reconstruction of sidewalk on Centre Street North and Brock Street West in conjunction with the Region of Durham road reconstruction contract was approved in 2020 for \$140K. As the Region's design progressed it was identified that additional funding would be required. Additionally, it has undergone a delay for re-design and is forecasted for spring 2022 construction. The 2020 commitment has been released and the project is being re-budgeted in full for 2022.

The Region is scheduled to deliver this project in 2022 and will construct the concrete sidewalk on the City's behalf. The scope of the portion funded by the City includes the reconstruction of concrete sidewalk not affected by Regional works and expansion of sidewalk affected by the Region from 1.25m to 1.5m (or greater, where applicable) to meet current City and accessibility standards.

**Justification**

Under the Municipal Act s. 55(1), the City is responsible for the construction and maintenance of sidewalks on Regional Roads. This will be a highly pedestrian trafficked area. Postponing paying the City's share of the sidewalk construction or failure to coordinate with the Region will result in various consequences. Such consequences are but are not limited to: additional costs incurred if the City builds the sidewalk outside of the regional road contract; strained relationship with the Region; and negative exposure against the City's reputation and image, additional disruption to Downtown businesses.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	470,000	0	0
<b>Total Financing Sources</b>	<b>470,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Horizontal Control Monuments</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	75 Sidewalks
<b>Project Number</b>	75-0117
<b>Project Location</b>	City Wide
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	30

**Project Details**

**Project Description**

To contract an Ontario Land Surveyor to install survey control monuments to expand the City's network of Geodetic Survey Control Monuments. Through this project a smaller amount of previously destroyed monuments will be replaced. The monuments created by the project are then available for surveyors to use through an online portal managed by the Ministry of Natural Resources and Forestry.

Survey monuments are an important part of the engineering design process and allow both City staff and external consultants to work efficiently on civil engineering projects within the City.

Refer to the following 2022 proposed locations.

**Justification**

This project promotes Oshawa's Strategic Plan: Safe and Reliable Infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	4,000	16,000	20,000
Transportation Roads DC	31,000	124,000	155,000
Tax Levy Contribute to Capital	10,000	40,000	50,000
<b>Total Financing Sources</b>	<b>45,000</b>	<b>180,000</b>	<b>225,000</b>

<b>Proposed Horizontal Control Monument Locations</b>
Simcoe Street North and Northern Dancer Drive
Simcoe Street North and Britannia Avenue
Simcoe Street North approximately 425m North of Britannia Avenue
Simcoe Street North and Windfields Farm Drive
Windfields Farm Drive West @ Bandsman Crescent/ Stallion Drive
Windfields Farm Drive West Opposite House #300
Windfields Farm Drive West and Cosgrove Drive
Windfields Farm Drive East approximately 400m East of Simcoe Street North
Windfields Farm Drive East and Bridle Road
Ritson Road approximately 150m South of Winchester Road East
Ritson Road approximately 300m South of Given Road
Ritson Road approximately 300m North of Britannia Avenue
Ritson Road approximately 250m North of Conlin Road East
Townline Road South and Grandview Drive
Grandview Street North approximately 160m North of Olive Avenue
Grandview Street North approximately 320m North of Olive Avenue
Adelaide Avenue East approximately 70m East of Bluejay Crescent
Somerville Street and Glenwood Avenue
Grandview Street North and Forestdale Court
Columbus Road East approximately 350m East of Brookfield Court
Thornton Road North approximately 350m North of Columbus Road West
Thornton Road North approximately 700m North of Columbus Road West
Thornton Road North approximately 450m South of Howden Road West
Thornton Road North approximately 150m South of Howden Road West
Howden Road East approximately 400m East of Simcoe Street North
Howden Road East And Dowson Road
Howden Road East approximately 400m East of Dowson Road
Howden Road East approximately 100m West of Ritson Road North
Howden Road East approximately 250m East of Ritson Road North
Howden Road East and Wilson Road North
Harmony Road North approximately 450m South of Columbus Road East
Harmony Road North approximately 630m South of Columbus Road East

Locations are subject to change due to programming needs. Please note contract will be re-bid this year, as we are at the end of the current 3 year contract cycle. This list does not include the locations of monuments externally funded by other stakeholders (ie. ROD, Utilities, Internal Construction Contracts)

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Sidewalk Replacements</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	75 Sidewalks
<b>Project Number</b>	75-0136
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	34

**Project Details**

**Project Description**

This project is intended for the removal and replacement of deficient sidewalk slabs throughout the City, that are identified through annual inspections.

Refer to the following 2022 list of candidates.

**Justification**

Deficient sidewalks are one of the City's leading causes of liability claims against the City, resulting in unnecessary costs through trip and fall payouts. Furthermore, the maintenance of sidewalks is a Provincially Legislated maintenance activity that requires compliance.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Canada Comm-BuildingFund (FGT)	500,000	2,000,000	2,500,000
<b>Total Financing Sources</b>	<b>500,000</b>	<b>2,000,000</b>	<b>2,500,000</b>

## 2022 Sidewalk Replacement Candidates

STREET	DEFICIENCY	LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )
BALLARD ST	MULTI-CRACKED	9.0	1.3	11.7
BALLARD ST	HEAVED	1.8	1.3	2.3
COLONEL SAM DR	BACK SLOPED	7.2	1.3	9.4
COLONEL SAM DR	BACK SLOPED	32.4	1.3	42.1
COLONEL SAM DR	MULTI-CRACKED	4.8	1.2	5.8
COLONEL SAM DR	MULTI-CRACKED	17.0	1.2	20.4
COLONEL SAM DR	FEATHER	19.0	1.2	22.8
COLONEL SAM DR	HEAVED	3.0	1.2	3.6
COLONEL SAM DR	FEATHER	1.8	1.2	2.2
CONANT ST	ASPHALT PATCH	9.5	1.5	14.3
CONANT ST	CRACKED	1.8	1.3	2.3
CONANT ST	BACK SLOPED	15.4	1.3	19.3
MARWOOD DR	HEAVED	16.2	1.3	21.1
MYERS ST	HEAVED	7.2	1.3	9.4
MYERS ST	SETTLED	7.2	1.3	9.4
MYERS ST	MULTI-CRACKED	1.8	1.3	2.3
DOWN CRES	HEAVED	3.6	1.3	4.7
DOWN CRES	HEAVED	9.0	1.3	11.7
DOWN CRES	BACK SLOPED	7.6	1.3	9.5
DOWNVIEW CRES	BACK SLOPED	5.6	1.3	7.0
DOWNVIEW CRES	BACK SLOPED	3.6	1.3	4.5
DOWNVIEW CRES	BACK SLOPED	5.6	1.3	7.0
DOWNVIEW CRES	SETTLED	3.6	1.3	4.5
DOWNVIEW CRES	HEAVED	5.6	1.3	7.0
DOWNVIEW CRES	BACK SLOPED	7.5	1.3	9.4
DOWNVIEW CRES	FEATHER	1.8	1.3	2.3
DOWNVIEW CRES	BACK SLOPED	5.6	1.3	7.0
GRANDVIEW DR	FEATHER	4.0	1.2	4.8
GRANDVIEW DR	MULTI-CRACKED	1.5	1.2	1.8
GRANDVIEW DR	SETTLED	1.8	1.2	2.2
GRANDVIEW DR	HEAVED	1.6	1.2	1.9
GRANDVIEW DR	ASPHALT OVERLAY	5.5	1.2	6.6
GRANDVIEW DR	FEATHER	1.8	1.2	2.2
GRANDVIEW DR	FEATHER	3.6	1.2	4.3
GRANDVIEW DR	MULTI-CRACKED	1.8	1.2	2.2
GRANDVIEW DR	HEAVED	9.0	1.3	11.7
GRANDVIEW DR	HEAVED	5.4	1.3	7.0
GRANDVIEW DR	BACK SLOPED	24.0	1.3	31.2
GRANDVIEW DR	BACK SLOPED	18.0	1.3	23.4
GRANDVIEW ST S	HEAVED	9.0	1.3	11.7
NORMAN CRES	CRACKED	1.8	1.2	2.2
NORMAN CRES	HEAVED	7.8	1.2	9.4

## 2022 Sidewalk Replacement Candidates

STREET	DEFICIENCY	LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )
NORMAN CRES	HEAVED	8.0	1.2	9.6
NORMAN CRES	FEATHER	2.7	1.2	3.2
NORMAN CRES	MULTI-CRACKED	5.4	1.3	7.0
NORMAN CRES	HEAVED	3.6	1.3	4.7
NORMAN CRES	HEAVED	3.6	1.3	4.7
NORMAN CRES	HEAVED	3.6	1.3	4.7
ATHOL ST E	ASPHALT OVERLAY	3.6	1.2	4.3
ATHOL ST E	ASPHALT PATCH	2.0	1.2	2.4
ATHOL ST E	HEAVED	7.8	1.2	9.4
ATHOL ST E	MULTI-CRACKED	1.8	1.2	2.2
ATHOL ST E	HEAVED	9.0	1.3	11.3
ATHOL ST E	HEAVED	9.0	1.3	11.3
ATHOL ST E	HEAVED	9.0	1.3	11.7
BALDWIN ST	HEAVED	18.0	1.3	23.4
BALDWIN ST	MULTI-CRACKED	7.2	1.3	9.4
CADILLAC AVE S	CRACKED	7.6	1.5	11.4
CADILLAC AVE S	ASPHALT PATCH	1.6	1.5	2.4
CENTRAL PARK BLVD S	FEATHER	1.8	1.5	2.7
CENTRAL PARK BLVD S	CRACKED	5.5	1.2	6.6
CENTRAL PARK BLVD S	MULTI-CRACKED	18.0	1.2	21.6
CENTRAL PARK BLVD S	FEATHER	3.2	1.2	3.8
CHADBURN ST	CRACKED	1.8	1.2	2.2
CHADBURN ST	HEAVED	1.8	1.2	2.2
COURCELLETTE AVE	BACK SLOPED	28.0	1.3	35.0
CRERAR AVE	HEAVED	7.6	1.3	9.5
EULALIE AVE	PONDING	3.6	1.3	4.7
EULALIE AVE	HEAVED	10.8	1.3	14.0
HIGHLAND AVE	MULTI-CRACKED	3.6	1.3	4.7
KING ST E	BACK SLOPED	11.3	1.3	14.1
LASALLE AVE	FEATHER	1.2	1.2	1.4
LASALLE AVE	HEAVED	3.2	1.3	4.2
LASALLE AVE	HEAVED	7.2	1.3	9.4
LASALLE AVE	HEAVED	7.2	1.3	9.4
LASALLE AVE	HEAVED	7.2	1.3	9.4
LASALLE AVE	HEAVED	7.2	1.3	9.4
MITCHELL AVE	FEATHER	3.5	1.2	4.2
MITCHELL AVE	HEAVED	5.4	1.3	7.0
MITCHELL AVE	BACK SLOPED	7.2	1.3	9.4
OLIVE AVE	HEAVED	7.2	1.3	9.4



## 2022 Sidewalk Replacement Candidates

STREET	DEFICIENCY	LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )
OSHAWA BLVD S	MULTI-CRACKED	3.5	1.8	6.3
OSHAWA BLVD S	SETTLED	1.8	1.2	2.2
BLOOR ST E	HEAVED	13.0	1.2	15.6
CURRIE AVE	HEAVED	9.3	1.3	11.6
DEAN AVE	HEAVED	3.6	1.2	4.3
DEAN AVE	HEAVED	7.8	1.2	9.4
DEAN AVE	MULTI-CRACKED	1.5	1.2	1.8
DEAN AVE	HEAVED	9.0	1.3	11.7
DEAN AVE	FEATHER	6.0	1.2	7.2
DEAN AVE	MULTI-CRACKED	10.0	1.2	12.0
DEAN AVE	HEAVED	3.6	1.3	4.7
DUNKIRK AVE	FEATHER	3.6	1.5	5.4
FAREWELL ST	MULTI-CRACKED	24.0	1.5	36.0
FAREWELL ST	FEATHER	10.0	1.5	15.0
FAREWELL ST	SETTLED	3.8	1.5	5.7
FAREWELL ST	MULTI-CRACKED	3.7	1.5	5.6
HARMONY RD S	HEAVED	3.6	1.3	4.7
JACKSON AVE	MULTI-CRACKED	7.2	1.3	9.4
JACKSON AVE	SETTLED	1.8	1.3	2.3
KITCHENER AVE	BACK SLOPED	9.4	1.3	11.8
MONASH AVE	MULTI-CRACKED	4.0	1.3	5.2
NORMANDY ST	MULTI-CRACKED	5.4	1.3	7.0
BLOOR ST E	HEAVED	4.8	1.2	5.8
BRUNSWICK ST	FEATHER	1.8	1.2	2.2
BRUNSWICK ST	FEATHER	1.4	1.3	1.8
FLORELL DR	FEATHER	4.8	1.2	5.8
FLORELL DR	HEAVED	1.8	1.3	2.3
GRANDVIEW ST S	HEAVED	14.4	1.3	18.7
GRANDVIEW ST S	HEAVED	3.6	1.3	4.7
GRANDVIEW ST S	ASPHALT PATCH	7.3	1.2	8.8
HARCOURT DR	CRACKED	1.8	1.2	2.2
HARMONY RD S	PONDING	10.8	1.3	13.5
HARMONY RD S	PONDING	28.8	1.3	36.0
HARMONY RD S	MULTI-CRACKED	1.8	1.3	2.3
KEEWATIN ST S	PONDING	18.0	1.3	23.4
MARTINDALE ST	HEAVED	5.4	1.3	7.0
OLIVE AVE	ASPHALT OVERLAY	1.8	1.2	2.2

## 2022 Sidewalk Replacement Candidates

STREET	DEFICIENCY	LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )
	FEATHER	1.8	1.2	2.2
ATHABASCA ST	FEATHER	5.5	1.2	6.6
CAPILANO CRES	BACK SLOPED	10.0	1.5	15.0
CHERRYDOWN DR		12.0	1.2	14.4
CHERRYDOWN DR	HEAVED	5.4	1.3	6.8
CHERRYDOWN DR	HEAVED	7.2	1.3	9.0
EASTLAWN ST	FEATHER	1.8	1.2	2.2
EASTLAWN ST	MULTI-CRACKED	5.4	1.3	7.0
GRANDVIEW ST S	HEAVED	14.4	1.3	18.7
GRANDVIEW ST S	HEAVED	7.2	1.3	9.4
KING ST E	BACK SLOPED	7.4	1.3	9.3
KING ST E	HEAVED	3.6	1.3	4.5
KING ST E	CRACKED	5.6	1.3	7.0
LABRADOR DR	SETTLED	3.6	1.3	4.5
LABRADOR DR	HEAVED	32.4	1.3	42.1
LABRADOR DR	HEAVED	9.0	1.3	11.7
OLIVE AVE	HEAVED	3.6	1.3	4.7
ANTIGUA CRES	HEAVED	1.8	1.3	2.3
ANTIGUA CRES	BACK SLOPED	9.0	1.3	11.7
ANTIGUA CRES	HEAVED	9.0	1.3	11.7
ANTIGUA CRES	HEAVED	7.2	1.3	9.4
ANTIGUA CRES	BACK SLOPED	9.0	1.3	11.7
ANTIGUA CRES	HEAVED	3.6	1.3	4.7
ANTIGUA CRES	HEAVED	5.4	1.3	7.0
ANTIGUA CRES		5.4	1.3	7.0
ANTIGUA CRES	HEAVED	7.2	1.3	9.4
ANTIGUA CRES		5.4	1.3	7.0
ARUBA CRES	BACK SLOPED	7.2	1.3	9.4
ARUBA CRES	FEATHER	1.8	1.2	2.2
ARUBA CRES	SETTLED	10.5	1.2	12.6
BARBADOS ST	HEAVED	3.0	1.5	4.5
BARBADOS ST	FEATHER	1.5	1.5	2.3
BEAVER VALLEY CRES	FEATHER	1.8	1.2	2.2
BERMUDA AVE	FEATHER	3.2	1.2	3.8
FAIRGLEN AVE	HEAVED	5.4	1.3	7.0
FERNDAL ST	FEATHER	1.8	1.2	2.2
FERNDAL ST	FEATHER	1.8	1.2	2.2
FERNDAL ST	HEAVED	1.8	1.3	2.3
FERNDAL ST	HEAVED	3.8	1.2	4.6
GIBBONS ST	SETTLED	7.2	1.3	9.4
GLENWOOD AVE	CRACKED	1.8	1.3	2.3

## 2022 Sidewalk Replacement Candidates

STREET	DEFICIENCY	LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )
MOHAWK ST	MULTI-CRACKED	5.4	1.5	8.1
NORTHLAWN AVE	HEAVED	9.0	1.3	11.7
NORTHMOUNT ST	HEAVED	9.0	1.3	11.7
ORCHARD VIEW BLVD	CRACKED	9.0	1.2	10.8
BEATRICE ST E	HEAVED	3.6	1.2	4.3
BEATRICE ST E	FEATHER	1.8	1.2	2.2
DARCY ST	HEAVED	9.2	1.3	11.5
DARCY ST	HEAVED	9.2	1.3	11.5
DARCY ST	FEATHER	3.6	1.3	4.5
DARCY ST	FEATHER	1.7	1.3	2.1
DARCY ST	FEATHER	5.6	1.3	7.0
DARCY ST	HEAVED	3.6	1.3	4.5
DARCY ST	FEATHER	3.6	1.2	4.3
DARCY ST	FEATHER	1.8	1.3	2.3
GRIERSON ST	HEAVED	16.2	1.3	21.1
GRIERSON ST	MULTI-CRACKED	1.8	1.3	2.3
GRIERSON ST	MULTI-CRACKED	7.2	1.3	9.4
GRIERSON ST	MULTI-CRACKED	7.2	1.3	9.4
GRIERSON ST	MULTI-CRACKED	2.0	1.3	2.6
GRIERSON ST	HEAVED	1.8	1.3	2.3
MARICA AVE	HEAVED	1.8	1.3	2.3
MARICA AVE	FEATHER	3.0	1.2	3.6
MARICA AVE	SETTLED	5.5	1.2	6.6
MARICA AVE	FEATHER	1.8	1.2	2.2
MARICA AVE	MULTI-CRACKED	1.8	1.2	2.2
MARIGOLD AVE	HEAVED	3.6	1.2	4.3
MARIGOLD AVE	FEATHER	3.0	1.5	4.5
MARIGOLD CT	HEAVED	10.8	1.3	14.0
MARIGOLD CT	FEATHER	6.5	1.2	7.8
MARIGOLD CT	HEAVED	1.8	1.3	2.3
MARY ST N	BACK SLOPED	14.8	1.2	17.8
MARY ST N	MULTI-CRACKED	2.0	1.3	2.6
MARY ST N	MULTI-CRACKED	7.9	1.2	9.5
MARY ST N	MULTI-CRACKED	8.0	1.8	14.4
MARY ST N	ASPHALT PATCH	3.5	2.5	8.8
MARY ST N	ASPHALT PATCH	3.5	2.5	8.8
MARY ST N	MULTI-CRACKED	7.2	1.3	9.4
MARY ST N	SETTLED	9.0	1.3	11.7
MARY ST N	HEAVED	1.8	1.3	2.3
MARY ST N	CRACKED	8.0	1.2	9.6

## 2022 Sidewalk Replacement Candidates

STREET	DEFICIENCY	LENGTH (m)	WIDTH (m)	AREA (m <sup>2</sup> )
MARY ST N	FEATHER	2.0	1.8	3.6
MASSON ST	CRACKED	3.6	1.3	4.5
NONQUON RD	BACK SLOPED	14.4	1.3	18.7
NONQUON RD	MULTI-CRACKED	1.8	1.3	2.3
NONQUON RD	MULTI-CRACKED	3.6	1.8	6.5
NONQUON RD	MULTI-CRACKED	5.4	1.3	7.0
NONQUON RD	MULTI-CRACKED	3.2	1.5	4.8
NONQUON RD	HEAVED	1.8	1.2	2.2
NONQUON RD	HEAVED	1.8	1.2	2.2
NONQUON RD	PONDING	7.6	1.3	9.5
NONQUON RD	HEAVED	13.6	1.3	17.7
NONQUON RD	BACK SLOPED	1.8	1.3	2.3
NONQUON RD	HEAVED	3.6	1.8	6.5
NONQUON RD	HEAVED	7.2	1.3	9.4
NONQUON RD	HEAVED	5.4	1.3	7.0
NONQUON RD	HEAVED	7.2	1.3	9.4
NONQUON RD	FEATHER	3.6	1.2	4.3
NONQUON RD	HEAVED	5.0	1.2	6.0
OSHAWA BLVD N	MULTI-CRACKED	3.8	1.5	5.7
OSHAWA BLVD N	MULTI-CRACKED	9.6	1.5	14.4
BLYTHWOOD SQUARE	SETTLED	11.2	1.2	13.4
COLDSTREAM DR	HEAVED	1.8	1.3	2.3
COLDSTREAM DR	BACK SLOPED	13.6	1.3	17.7
KINGSFIELD LOOP	CRACKED	5.6	1.3	7.0
NORTHFIELD AVE	HEAVED	1.8	1.3	2.3
ORMOND DR	MULTI-CRACKED	7.8	1.2	9.4
ORMOND DR	FEATHER	1.9	1.2	2.3
ORMOND DR	HEAVED	7.6	1.3	9.5
ORMOND DR	HEAVED	3.7	1.5	5.6
CLEARBROOK DR	HEAVED	5.4	1.3	6.8
CLEARBROOK DR	ASPHALT OVERLAY	3.0	1.2	3.6
CLEARBROOK DR	MULTI-CRACKED	7.2	1.3	9.4
EAGLE RIDGE DR	ASPHALT PATCH	3.6	1.5	5.4
HARMONY RD N	SETTLED	1.8	1.2	2.2
HARMONY RD N	HEAVED	3.5	1.2	4.2
COLDSTREAM DR	BACK SLOPED	20.4	1.3	26.5
GRANDVIEW ST N	BACK SLOPED	14.4	1.3	18.7
GRANDVIEW ST N	BACK SLOPED	5.4	1.3	7.0
HEARTLAND BLVD	MULTI-CRACKED	14.4	1.3	18.7
HEARTLAND BLVD	MULTI-CRACKED	14.4	1.3	18.7
LINSTEAD ST	HEAVED	7.2	1.3	9.4
			<b>Total=</b>	<b>2009.0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Farewell St Sidewalk &amp; Multi-Use Path</b>
<b>Department</b>	Development Services
<b>Subcategory</b>	75 Sidewalks
<b>Project Number</b>	75-0143
<b>Project Location</b>	Farewell St
<b>Ward</b>	Ward 5
<b>Accessibility</b>	No
<b>Score</b>	36

**Project Details**

**Project Description**

This project will contribute to the Region's construction of sidewalk and a multi-use path on Farewell Street and will be completed in conjunction with a Region of Durham road reconstruction project. The Region will deliver the sidewalk and multi-use path as part of its contract on the City's behalf and anticipates to begin construction in 2022.

There will be new sidewalk constructed on the west side of Farewell from Harbour Road to Wentworth Street and sidewalk reconstructed from Wentworth Street to Bloor Street. A multi-use path will be constructed on the east side of Farewell from Harbour Road to south of Bloor Street East.

**Justification**

Under the Municipal Act the City is responsible for the construction and maintenance of sidewalks on Regional roads. The Region will provide all grading necessary to construct platforms during the road reconstruction and construct the sidewalk and multi-use path on the City's behalf.

On October 25, 2021, pursuant to Report PORT-21-07, Council approved key terms to be included in a Memorandum of Understanding between the City and the Hamilton-Oshawa Port Authority (HOPA). Key Term 4 of the MOU will require both parties to enter into a Land Exchange Agreement, involving the exchange of a portion of City-owned Harbour Road road allowance for a HOPA-owned parcel of land to the north. One of the City's obligations under this Land Exchange Agreement is to build a new north-south multi-use path along the east side of Farewell Street, north of Harbour Road, and a new east-west waterfront trail connection between the existing trail to the east, and the new multi-use path along Farewell Street.

This project supports the following themes of the City's Strategic Plan: Safe and Reliable Infrastructure; an Active, Healthy, and Safe Community; Develop and Leverage Partnerships.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Roads DC	252,000	0	0
Canada Comm-BuildingFund (FGT)	101,000	0	0
Operations Reserve	321,000	0	0
<b>Total Financing Sources</b>	<b>674,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Street Lighting Upgrades</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	76 Streetlighting
<b>Project Number</b>	76-0014
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	30

**Project Details**

**Project Description**

Improvements in lighting control circuitry, relocation or in-filling of fixtures in conjunction with Oshawa Power & Utilities Corporation (O.P.U.C.) pole line replacements or improvements, enhances levels of illumination and pedestrian and motorist safety, in accordance with City standards. Streetlight transfer locations for new O.P.U.C. pole lines to be determined by O.P.U.C. in 2022.

**Justification**

There are cost savings realized by doing these changes in conjunction with O.P.U.C. pole line replacements or improvements. City of Oshawa standards have likely changed since some of these O.P.U.C. pole lines were originally installed. This project achieves Oshawa's Strategic Plan Goal, 3. Social Equity, to ensure an inclusive, healthy and safe community through an active, healthy and safe population by providing a safe transportation network for vehicles, cycling and walking; and Goal, 5. Environmental Responsibility, to protect and promote the natural environment through proactive environmental management by using more energy efficient light fixtures.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	0	220,000	275,000
Tax Levy Contribute to Capital	55,000	0	0
<b>Total Financing Sources</b>	<b>55,000</b>	<b>220,000</b>	<b>275,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Centre Street North Streetlighting Upgrades</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	76 Streetlighting
<b>Project Number</b>	76-0056
<b>Project Location</b>	Centre Street South from King St W to Elgin St W
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	38

**Project Details**

**Project Description**

Upgrade lighting in conjunction with Region of Durham road reconstruction.

**Justification**

To take advantage of the opportunity to improve pedestrian and motorist safety through enhanced levels of illumination, in accordance with City of Oshawa standards. There are cost savings realized by doing these changes in conjunction with the Region of Durham road reconstruction. This project achieves Oshawa Strategic Goal of Social Equity, to ensure an inclusive, healthy and safe community through an active, healthy and safe population by providing a safe transportation network for vehicles, cycling and walking.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	295,000	0	0
<b>Total Financing Sources</b>	<b>295,000</b>	<b>0</b>	<b>0</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Signal Controller Replacements</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	77 Traffic Signals
<b>Project Number</b>	77-0029
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	48

**Project Details**

**Project Description**

Annual project to replace traffic signal controllers nearing the end of their useful life in a phased in approach.

The proposed locations for 2022 are:

1. King St and Mary St
2. Bond St and Mary St
3. King St and Keewatin St

**Justification**

New controllers are required to keep maintenance costs low and to ensure traffic control signals operate properly. This project achieves Oshawa's Strategic Plan Goal of Economic Prosperity, to ensure economic growth and sound financial future through safe and reliable infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	0	256,000	320,000
Tax Levy Contribute to Capital	64,000	0	0
<b>Total Financing Sources</b>	<b>64,000</b>	<b>256,000</b>	<b>320,000</b>



**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>Accessible Pedestrian Signals</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	77 Traffic Signals
<b>Project Number</b>	77-0030
<b>Project Location</b>	Various
<b>Ward</b>	Ward 4
<b>Accessibility</b>	No
<b>Score</b>	34

**Project Details**

**Project Description**

To install new accessible pedestrian signals.

The proposed project location for 2022 is Ritson Rd and Athol St.

**Justification**

Accessible pedestrian signals are based on Canadian National Institute for the Blind warrant criteria to provide safe crossings for people with visual impairment.

This project achieves Oshawa's Strategic Plan Goal of Social Equity, to ensure an inclusive, healthy and safe community through Enrich our community through diversity, to continue to be a barrier-free community.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	14,000	56,000	70,000
Transportation Roads DC	71,000	284,000	355,000
<b>Total Financing Sources</b>	<b>85,000</b>	<b>340,000</b>	<b>425,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>L.E.D. Signal Replacement</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	77 Traffic Signals
<b>Project Number</b>	77-0060
<b>Project Location</b>	Various
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	48

**Project Details**

**Project Description**

Region wide program to replace L.E.D. indications over a 5-year cycle once the 5-year warranty period has been exceeded. Signal head mounts are converted from single point mount to double point mount to reduce the occurrence of failures during extreme weather conditions.

The 2022 locations are to be determined.

**Justification**

This project achieves Oshawa's Strategic Plan Goal of Economic Prosperity and Financial Stewardship under the theme of Safe and Reliable Infrastructure by strategically managing the City's assets.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Transportation Reserve	20,000	80,000	115,000
<b>Total Financing Sources</b>	<b>20,000</b>	<b>80,000</b>	<b>115,000</b>

**City of Oshawa**  
**Capital Project Detail Sheet**

<b>Project Name</b>	<b>New Pedestrian Crossover Signals</b>
<b>Department</b>	Community Services
<b>Subcategory</b>	77 Traffic Signals
<b>Project Number</b>	77-0061
<b>Project Location</b>	TBD
<b>Ward</b>	Various
<b>Accessibility</b>	No
<b>Score</b>	29

**Project Details**

**Project Description**

Pedestrian Crossover (P.X.O.) Signals for one location to be determined by staff based on warrant criteria and demand.

The new P.X.O.'s are a cost-effective pedestrian crossing option that may be implemented where traditional Pedestrian Crossovers/Pedestrian Signals are not appropriate.

**Justification**

To improve pedestrian crossing safety. To implement Pedestrian Crossovers at locations which meet warrant criteria in Ontario Traffic Manual. This project achieves Oshawa Strategic Goal of Economic Prosperity, to ensure economic growth and sound financial future through safe and reliable infrastructure.

**Project Budget Summary**

<b>Financing Sources</b>	<b>2022</b>	<b>2023 to 2026</b>	<b>2027 to 2031</b>
Growth Related (Non-DC)	8,000	16,000	16,000
Transportation Roads DC	42,000	84,000	84,000
<b>Total Financing Sources</b>	<b>50,000</b>	<b>100,000</b>	<b>100,000</b>