



2019 Development Charges Background Study – Draft Capital Listings

City of Hamilton

Development Charges Stakeholders Sub-Committee

Table of Contents

| | | Pa | age |
|-----|-------------------------------|--|-----------------|
| 1. | Servio 1.1 1.2 1.3 1.4 | Ces Related to a Highway Services Related to a Highway Detail Sheets (Prepared by Dillon Consulting Limited) Facilities Vehicles and Equipment | 2 .10 .15 |
| 2. | Fire P 2.1 | All Fire Services | |
| 3. | Police | All Police Services | |
| 4. | Parkir 4.1 | ng ServicesAll Parking Services | |
| 5. | Airpo 5.1 | rt Airport | |
| 6. | Outdo 6.1 | oor RecreationAll Parkland Development | |
| 7. | Indoo 7.1 | r RecreationIndoor Recreation Facilities | |
| 8. | Librar 8.1 8.2 | Library Facilities & VehiclesLibrary Collection Materials | . 40 |
| 9. | Paran 9.1 9.2 | nedicsParamedics FacilitiesParamedics Vehicles & Equipment | . 44 |
| 10. | Long 10.1 | Term Care Long Term Care Facilities | |



Table of Contents (Cont'd)

| | | Page |
|-----|---|--|
| 11. | Social Housing | |
| 12. | Provincial Offences Act | |
| 13. | Health Services | |
| 14. | Social & Child Services | |
| 15. | Waste Diversion | |
| 16. | Transit | |
| 17. | Administration Studies | |
| 18. | Wastewater Services | 65 66 Consultants |
| 19. | Water Services 19.1 Water Services 19.2 Detail Sheets (Prepared by GM BluePlan Engineering CLtd.) | 72 Consultants |
| 20. | Stormwater Services | er System77 m79 m80 structure |
| 21. | Draft Calculations and Rate Comparison | 102 103 |

1. Services Related to a Highway

City of Hamilton

| | | | | | | | | | | Less: | Potentia | l D.C. Recoverat | ole Cost |
|-------------------|--|------------------|--------|------------------------|---|------------------------|---------------------|------------------|---------------------------------------|--|------------|-----------------------------|---------------------------------|
| Project Number | increased Service Needs Attributable to Anticipated Development | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 50% | Non-Residential Share 50% |
| | AEGD Projects | | | | | | | | | | | 30 / 0 | 3070 |
| 1 | Airport Road - Upper James Street to East Cargo Road | 2019-2022 | 1.07 | 2r-3i | 4,437,000 | | | 4,437,000 | 1,775,000 | _ | 2,662,000 | 1,331,000 | 1,331,000 |
| 2 | Airport Road - East Cargo Road to Terminal Access Road | 2019-2022 | 0.32 | 2r-4u | 2,423,000 | _ | | 2,423,000 | 969,000 | _ | 1,454,000 | 727,000 | 727,000 |
| 3 | Airport Road - Terminal Access Road to Glancaster Road | 2023-2031 | 1.68 | 2r-3i | 7,325,000 | _ | | 7,325,000 | 2,930,000 | _ | 4,395,000 | 2,197,500 | 2,197,500 |
| 4 | Airport Road* - Butter Road to Glancaster Road | 2032-2041 | 0.86 | 2r-4u | 7,470,000 | 7,470,000 | | - ,020,000 | - | _ | - | - | - |
| 5 | Book Road - Fiddler's Green Road to Highway 6 | 2032-2041 | 0.99 | 2r-4u | 6,340,000 | 6,340,000 | | _ | _ | _ | _ | _ | _ |
| 6 | Book Road* - Highway 6 to Southcote Road | 2032-2041 | 1.11 | 2r-4u | 6,158,000 | 6,158,000 | | - | - | _ | _ | _ | _ |
| 7 | Book Road - Highway 6 to Southcote Road | 2032-2041 | 1.11 | 4u-6u | 6,421,000 | 6,421,000 | | - | _ | _ | _ | _ | _ |
| 8 | Book Road - Collector 2W to Glancaster Road | 2032-2041 | 0.59 | 2r-2u | 1,984,000 | 1,984,000 | | - | - | - | _ | - | _ |
| 9 | Butter Road East - Airport Road to Glancaster Road | 2023-2031 | 0.97 | 2r-2u | 3,961,000 | - | | 3,961,000 | 594,000 | - | 3,367,000 | 1,683,500 | 1,683,500 |
| 10 | Butter Road East* - Highway 6 to Airport Road | 2023-2031 | 0.37 | 2r-4u | 3,428,000 | 3,428,000 | | - | - | - | - | - | - |
| 11 | Butter Road East - Fiddlers Green Road to Highway 6 | 2032-2041 | 0.94 | 2r-4u | 8,708,000 | 8,708,000 | | - | - | - | _ | _ | - |
| 12 | Carluke Road East - Fiddler's Green Road to Glancaster Road | 2032-2041 | 1.05 | 2r-4u | 6,291,000 | 6,291,000 | | - | - | - | - | - | - |
| 13 | Collector Road 6N (oversizing) - Glancaster Road to Collector Road 6E | 2032-2041 | 1.93 | 4u | 2,896,000 | 2,896,000 | | - | - | - | - | - | - |
| 14 | Collector Road 6N (oversizing) - Collector Road 6E to Collector Road 7E | 2032-2041 | 2.56 | 4u | 3,635,000 | 3,635,000 | | - | - | - | - | - | - |
| 15 | Collector Road 7E (oversizing) - Collector 6N to Upper James Street | 2032-2041 | 0.58 | 4u | 1,312,000 | 1,312,000 | | - | | - | - | - | - |
| 16 | Dickenson Road - Glancaster Road to Upper James Street | 2025 | 2.90 | 2r-4u | 14,282,000 | | | 14,282,000 | 2,142,000 | - | 12,140,000 | 6,070,000 | 6,070,000 |
| 17 | Dickenson Road Extension - Southcote Road to Smith Road | 2019-2022 | 0.42 | 4u | 3,195,000 | - | | 3,195,000 | - | - | 3,195,000 | 1,597,500 | 1,597,500 |
| 18 | Dickenson Road Extension - Southcote Road to Smith Road | 2032-2041 | 0.42 | 4u-6u | 2,435,000 | 2,435,000 | | - | - | - | - | - | - |
| 19 | Dickenson Road Extension - Smith Road to Glancaster Road | 2023-2031 | 0.80 | 4u | 6,149,000 | - | | 6,149,000 | - | - | 6,149,000 | 3,074,500 | 3,074,500 |
| 20 | Garner Road* - Fiddler's Green Road to Glancaster Road | 2023-2031 | 4.44 | 2r-4u | 19,920,000 | - | | 19,920,000 | 2,988,000 | - | 16,932,000 | 8,466,000 | 8,466,000 |
| 21 | Garth Street extension (oversizing) - Twenty Road to Dickenson Road | 2023-2031 | 1.50 | 5u | 2,391,000 | - | | 2,391,000 | - | - | 2,391,000 | 1,195,500 | 1,195,500 |
| 22 | Garth Street extension (oversizing) - Dickenson Road to Collector 2E | 2023-2031 | 0.62 | 5u | 1,359,000 | - | | 1,359,000 | - | - | 1,359,000 | 679,500 | 679,500 |
| 23 | Glancaster Road - Collector 1N to Airport Boundary | 2032-2041 | 0.49 | 2r-2u | 2,019,000 | 2,019,000 | | - | - | - | - | - | - |
| 24 | Glancaster Road - Dickenson Road Extension to Collector 1N | 2032-2041 | 0.37 | 2r-4u | 2,426,000 | 2,426,000 | | - | - | - | - | - | - |
| 25 | Glancaster Road - Garner Road to Dickenson Road | 2023-2031 | 2.46 | 2r-4u | 16,844,000 | - | | 16,844,000 | 2,527,000 | - | 14,317,000 | 7,158,500 | 7,158,500 |
| 26 | Smith Road* - Dickenson Road extension to Collector 1N | 2032-2041 | 0.65 | 2r-4u | 4,055,000 | 4,055,000 | | - | - | - | - | - | - |
| 27 | Smith Road (except Hydro Corridor) - Garner Road to Dickenson Road exten | 2032-2041 | 1.57 | 2u | 9,919,000 | 9,919,000 | | - | - | - | - | - | - |
| 28 | Smith Road - Collector 1N to Airport Boundary | 2032-2041 | 0.35 | 2r-2u | 1,919,000 | 1,919,000 | | - | - | - | - | - | - |
| 29 | Smith Road extension - Hydro corridor north crossing | 2032-2041 | 0.26 | 2u | 1,037,000 | 1,037,000 | | - | • | - | - | - | - |
| 30 | Southcote Road* - Garner to Twenty Road extension | 2019-2022 | 0.97 | 2r-4u | 9,306,000 | - | | 9,306,000 | 1,396,000 | - | 7,910,000 | 3,955,000 | 3,955,000 |
| 31 | Southcote Road - Twenty Road extension to Book Road | 2023-2031 | 0.97 | 2r-4u | 8,541,000 | - | | 8,541,000 | 1,281,000 | - | 7,260,000 | 3,630,000 | 3,630,000 |
| 32 | Twenty Road - Glancaster Road to Aldercrest Avenue | 2023-2031 | 3.08 | 2r-4u | 17,826,000 | - | | 17,826,000 | 2,674,000 | - | 15,152,000 | 7,576,000 | 7,576,000 |
| 33 | Twenty Road extension - Southcote Road to Glancaster Road | 2023-2031 | 1.86 | 4u | 14,296,000 | - | | 14,296,000 | ı | - | 14,296,000 | 7,148,000 | 7,148,000 |
| 34 | Fiddler's Green Road - Garner Road to Carluke Road | 2032-2041 | 6.07 | 2r-4u | 38,881,000 | 38,881,000 | | - | ı | - | - | - | - |
| 35 | Glancaster Road* - Butter Road to Highway 6 | 2032-2041 | 1.40 | 2r-4u | 13,210,000 | 13,210,000 | | - | - | - | - | - | - |
| 36 | Glancaster Road - Highway 6 to White Church Road | 2032-2041 | 0.89 | 2r-4u | 7,911,000 | 7,911,000 | | - | - | - | - | - | - |
| 37 | Southcote Road - Book Road to Collector 1N | 2023-2031 | 0.65 | 2r-4u | 4,210,000 | 4,210,000 | | - | - | - | - | - | - |
| 38 | Southcote Road - Airport Boundary to Butter Road | 2032-2041 | 0.81 | 2r-2u | 3,855,000 | 3,855,000 | | - | - | - | - | - | - |
| 39 | Upper James Street - Alderlea Avenue to Homestead Drive | 2023-2031 | 3.67 | 4u-6u | 30,929,000 | - | | 30,929,000 | 4,639,000 | - | 26,290,000 | 13,145,000 | 13,145,000 |
| 40 | White Church Road - Glancaster Road to Highway 6 | 2032-2041 | 2.31 | 2r-4u | 19,651,000 | 19,651,000 | | - | - | - | - | - | - |
| 41 | Upper James Street* - Homestead to Highway 6 | 2023-2031 | 2.78 | 4r-5u_NBR | 12,395,000 | | | 12,395,000 | 1,859,000 | - | 10,536,000 | 5,268,000 | 5,268,000 |
| | South Mountain Area Transportation Study Projects | | | | | | | | | | | | |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | l D.C. Recoveral | ble Cost |
|-------------------|---|------------------|--------------|------------------------|---|------------------------|---------------------|-------------------------|---------------------------------------|--|-------------------------|------------------------|--------------------------|
| Project Number | | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share | Non-Residential Share |
| | 2019-2031 | | | | | | | | | • | | 50% | 50% |
| 42 | West 5th Street - Rymal Road to Stone Church Road | 2025 | 1.00 | 2r-3u | 3,096,000 | - | | 3,096,000 | 1,238,000 | - | 1,858,000 | 929,000 | |
| 43 | Rymal Road - Glancaster Road to Garth Street | 2019-2022 | 1.30 | 2r-5u | 7,993,000 | - | | 7,993,000 | 1,199,000 | - | 6,794,000 | 3,397,000 | |
| 44 | Rymal Road - Fletcher Road to Upper Centenial | 2020 | 2.49 | 2r-5u | 15,717,000 | - | | 15,717,000 | 2,358,000 | - | 13,359,000 | 6,679,500 | 6,679,500 |
| 45 | Rymal Road* - Upper Wentworth to West of Dartnall | 2019-2022 | 3.29 | 2r-5u | 22,520,000 | - | | 22,520,000 | 3,378,000 | - | 19,142,000 | 9,571,000 | 9,571,000 |
| 46 | Rymal Road - Upper James Street to Upper Wellington Street | 2026 | 0.87 | 2r-5u | 4,624,000 | | | 4,624,000 | 694,000 | - | 3,930,000 | 1,965,000 | 1,965,000 |
| 47 | Rymal Road - Upper Wellington Street to Upper Wentworth Street | 2030 | 0.86 | 2r-5u | 4,664,000 | - | | 4,664,000 | 700,000 | - | 3,964,000 | 1,982,000 | 1,982,000 |
| | Stoney Creek Urban Boundary Expansion Projects | | | | | | , | | | | | | |
| 48 | Arvin Avenue - McNeilly to Lewis Road | 2023-2031 | 0.80 | 2i | 3,652,000 | - | | 3,652,000 | - | - | 3,652,000 | 1,826,000 | 1,826,000 |
| 49 | Arvin Avenue - Jones Road to Existing east end | 2023-2031 | 0.50 | 2i | 2,564,000 | - | | 2,564,000 | - | - | 2,564,000 | 1,282,000 | 1,282,000 |
| 50 | Arvin Avenue - McNeilly to Existing west end | 2019-2022 | 0.40 | 2i | 2,201,000 | - | | 2,201,000 | - | - | 2,201,000 | 1,100,500 | 1,100,500 |
| 51 | Fruitland Road - Highway 8 to Barton Street | 2023-2031 | 1.05 | 2r-4u | 8,207,000 | - | | 8,207,000 | 1,231,000 | - | 6,976,000 | 3,488,000 | 3,488,000 |
| 52 | McNeilly Road* - Highway 8 to Barton Street | 2023-2031 | 0.89 | 2r-4u | 6,797,000 | - | | 6,797,000 | 1,020,000 | - | 5,777,000 | 2,888,500 | 2,888,500 |
| 53 | Lewis Road* - Highway 8 to Barton Street | 2023-2031 | 0.52 | 2r-4u | 4,290,000 | | | 4,290,000 | 644,000 | - | 3,646,000 | 1,823,000 | 1,823,000 |
| 54 | Glover Road* - Highway 8 to Barton Street | 2023-2031 | 0.82 | 2r-4u | 6,323,000 | | | 6,323,000 | 948,000 | - | 5,375,000 | 2,687,500 | |
| 55 | Jones Road* - Highway 8 to Barton Street | 2023-2031 | 0.93 | 2r-4u | 7,068,000 | | | 7,068,000 | 1,060,000 | - | 6,008,000 | 3,004,000 | |
| - 55 | Ancaster Industrial Park and Transportation Master Plan Projects | 2020 2001 | 0.00 | 21 70 | 7,000,000 | | | 7,000,000 | 1,000,000 | | 0,000,000 | 3,004,000 | 3,004,000 |
| 56 | Garner Road - Fiddler's Green Road to Highway 2/Wilson Street | 2019-2022 | 3.50 | 2r-4u | 20,208,000 | | | 20,208,000 | 3,031,000 | _ | 17,177,000 | 8,588,500 | 8,588,500 |
| 57 | Golf Links Road - McNiven Road to Kitty Murray Lane | 2019-2022 | 0.80 | 2r-3u | 4,646,000 | - | | 4,646,000 | 697,000 | - | 3,949,000 | 1,974,500 | |
| | ···· | 2023-2031 | | | | - | | | | | | | |
| 58 | Jerseyville Road - Shaver Road to Wilson Street | | 3.10 | 2r-3u | 16,438,000 | - | | 16,438,000 | 6,575,000 | - | 9,863,000 | 4,931,500 | |
| 59 | Springbrook Avenue - Regan Drive to Garner Road | 2020 | 0.69 | 2r-2u | 3,096,000 | - | | 3,096,000 | 464,000 | - | 2,632,000 | 1,316,000 | 1,316,000 |
| 60 | Trinity Road - 1km south of Wilson to Highway 403 | 2019-2022 | 2.20 | 2r-4u | 12,985,000 | - | | 12,985,000 | 1,948,000 | - | 11,037,000 | 5,518,500 | 5,518,500 |
| 61 | Shaver Road - Trustwood to Garner Road | 2023-2031 | 1.00 | 2r-2i | 4,840,000 | - | | 4,840,000 | 726,000 | - | 4,114,000 | 2,057,000 | |
| 62 | Shaver Road - Highway 403 to Wilson Street | 2019-2022 | 1.50 | 2r-2u | 6,189,000 | - | | 6,189,000 | 928,000 | - | 5,261,000 | 2,630,500 | |
| 63 | Southcote Road - Calder Street to Garner Road | 2022 | 1.26 | 2r-3u | 5,871,000 | - | | 5,871,000 | 2,348,000 | - | 3,523,000 | 1,761,500 | |
| 64 | McNiven Road - Rousseaux Street to Golf Links Road | 2028 | 0.63 | 2r-3u | 3,218,000 | - | | 3,218,000 | 2,574,000 | - | 644,000 | 322,000 | 322,000 |
| 65 | Mohawk Road - McNiven Road to Highway 403 | 2019-2022 | 1.30 | 2r-3u | 7,656,000 | - | | 7,656,000 | 3,062,000 | - | 4,594,000 | 2,297,000 | 2,297,000 |
| 66 | Stone Church Road - Harrogate Drive to Stonehenge Drive | 2023-2031 | 0.34 | 2r-4u | 3,114,000 | - | | 3,114,000 | 467,000 | - | 2,647,000 | 1,323,500 | 1,323,500 |
| | Red Hill Business Park Projects | | | | | | | | | | | | |
| 67 | Dartnall Road Extension - Twenty Road to Dickenson Road | 2022 | 1.65 | 2i | 4,988,000 | - | | 4,988,000 | - | - | 4,988,000 | 2,494,000 | 2,494,000 |
| 68 | Dickenson Road - west of Nebo to west of Glover | 2023-2031 | 1.10 | 2r-2i | 5,585,000 | - | | 5,585,000 | 2,234,000 | | 3,351,000 | 1,675,500 | |
| 69 | Dickenson Road East* - Upper James Street to west of Nebo Road | 2023-2031 | 4.60 | 2r-2u | 18,170,000 | - | | 18,170,000 | 7,268,000 | - | 10,902,000 | 5,451,000 | |
| 70 | Nebo Road - Rymal Road to Twenty Road | 2020 | 1.30 | 2r-2i | 5,870,000 | - | | 5,870,000 | 881,000 | - | 4,989,000 | 2,494,500 | |
| | Nebo Road* - 800m South of Twenty Road to Dickenson Road | 2019-2022 | | 2r-2i | 3,649,000 | - | | 3,649,000 | 547,000 | - | 3,102,000 | 1,551,000 | |
| 72 | Regional Road 56 - Rymal Road to ROPA 9 Boundary | 2019 | 1.20 | 2r-5u | 8,587,000 | - | | 8,587,000 | 1,288,000 | - | 7,299,000 | 3,649,500 | |
| 73 74 | Regional Road 56* - Cemetery Road to South Limits of ROPA 9 Twenty Road extension - Glover Road to Upper Red Hill Valley Parkway | 2023-2031 | 4.56 0.60 | 2r-5u 3i | 11,867,000 3,077,000 | - | | 11,867,000 3,077,000 | 1,780,000 | - | 10,087,000 3,077,000 | 5,043,500 1,538,500 | |
| 75 | Glover Road - Twenty Road to Rymal Road | 2023-2031 | | 2r-2i | 9,400,000 | | 1 | 9,400,000 | 1,410,000 | - | 7,990,000 | 3,995,000 | |
| 76 | Upper Red Hill Valley Parkway - Rymal Road to Twenty Road | 2023-2031 | 1.23 | 5u | 10,375,000 | - | | 10,375,000 | 1,410,000 | - | 10,375,000 | 5,187,500 | |
| 10 | Waterdown Projects | 2020 2001 | 1.20 | Ju | 10,010,000 | | | 10,070,000 | | · · | 10,010,000 | 3, 107, 300 | 3,107,300 |
| 77 | Burke Street - Skinner Road to Mountain Brow | 2023-2031 | 0.47 | 4u | 3,948,000 | - | | 3,948,000 | 197,000 | - | 3,751,000 | 1,875,500 | 1,875,500 |
| | Parkside Drive - Highway 6 to Hollybush Drive | 2023-2031 | | 2r-4u | 6,297,000 | - | | 6,297,000 | 2,519,000 | - | 3,778,000 | 1,889,000 | |
| 79 | Parkside Drive - Main Street to Churchill (500 m east) | 2023-2031 | 0.61 | 2r-4u | 4,749,000 | - | | 4,749,000 | 1,900,000 | - | 2,849,000 | 1,424,500 | 1,424,500 |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | ıl D.C. Recoveral | ole Cost |
|-------------------|--|------------------|--------|------------------------|---|------------------------|---------------------|------------------|---------------------------------------|--|---------------|-----------------------------|---------------------------------|
| Project Number | | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 50% | Non-Residential Share 50% |
| 90 | E-W Road Corridor (Waterdown By-Pass) - Dundas Street to Highway 6 | 2019-2022 | 6.29 | 4u | 52,207,000 | | | 52,207,000 | 2,610,000 | - | 49,597,000 | 24,798,500 | |
| 80 | , | 2019-2022 | 6.29 | 4u | 52,207,000 | - | | 52,207,000 | 2,610,000 | - | 49,597,000 | 24,796,500 | 24,790,500 |
| 81 | Waterdown Road (Burlington portion) - Mountain Brow Road to Craven Avenue ³ | 2019 | 1.90 | 2r-4u | 24,720,000 | - | | 24,720,000 | - | - | 24,720,000 | 22,248,000 | |
| 82 | Mountain Brow Road - Waterdown Road to New N-S Link (Burke Street) | 2019-2022 | 0.91 | 2r-4u | 7,654,000 | - | | 7,654,000 | 1,148,000 | - | 6,506,000 | 3,253,000 | |
| 83 | Dundas Street - New north-south link to Hamilton Boundary | 2023-2031 | 0.87 | 4u-6u | 8,039,000 | - | | 8,039,000 | 1,206,000 | - | 6,833,000 | 3,416,500 | |
| 84 | Centre Road - Northlawn to Parkside Drive | 2019-2022 | 0.40 | 2r-3u | 2,434,000 | - | | 2,434,000 | 974,000 | - | 1,460,000 | 730,000 | 730,000 |
| | Fruitland Winona Projects | | | | | | | | | | | | |
| 85 | Barton Street - Fruitland Road to Fifty Road | 2026 | 5.00 | 2r-3u | 24,938,000 | - | | 24,938,000 | 9,975,000 | - | 14,963,000 | 7,481,500 | |
| 86 | Fifty Road - Q.E.W (South Service Road) to Highway 8 | 2023-2031 | 0.80 | 2r-4u | 5,277,000 | - | | 5,277,000 | 792,000 | - | 4,485,000 | 2,242,500 | |
| 87 | Fruitland Road By-pass - Barton Street to Highway 8 | 2019 | 1.10 | 4u | 8,761,000 | - 4 | | 8,761,000 | 1,314,000 | - | 7,447,000 | 3,723,500 | |
| 88 | Fruitland Road - Arvin Avenue to Barton Street | 2023-2031 | 0.30 | 2u-4u | 3,010,000 | | 1 | 3,010,000 | 452,000 | - | 2,558,000 | 1,279,000 | |
| 89 | Highway 8 (Stoney Creek)* - Dewitt Road to Fruitland Road | 2023-2031 | 0.80 | 2r-5u | 6,534,000 | - | | 6,534,000 | 2,614,000 | - | 3,920,000 | 1,960,000 | |
| 90 | Highway 8 (Stoney Creek) - Fruitland Road to East City Limit | 2023-2031 | 6.18 | 2r-4r_NBR | 20,674,000 | - | | 20,674,000 | 8,270,000 | - | 12,404,000 | 6,202,000 | 6,202,000 |
| | Elfrida Boundary Expansion Projects | | | | | | | | | | | | |
| 91 | First Road East - Highway 20 to Mud Street | 2023-2031 | 2.10 | 2r-3u | 12,229,000 | 8,071,000 | | 4,158,000 | 624,000 | - | 3,534,000 | 1,767,000 | |
| 92 | First Road East (oversizing) - Highway 20 to Golf Club Road | 2023-2031 | 2.21 | 3u | 3,225,000 | 2,129,000 | | 1,096,000 | - | - | 1,096,000 | 548,000 | |
| 93 | Fletcher Road* - 500m South of Rymal to Golf Club Road | 2023-2031 | 1.60 | 2r-3u | 10,124,000 | 6,682,000 | | 3,442,000 | 516,000 | - | 2,926,000 | 1,463,000 | |
| 94 | Golf Club Road - Trinity Church Road to Hendershot Road | 2023-2031 | 7.00 | 2r-2u | 29,795,000 | 19,665,000 | | 10,130,000 | 1,520,000 | - | 8,610,000 | 4,305,000 | |
| 95 | Hendershot Road - Highway 20 to Golf Club Road | 2023-2031 | 2.10 | 2r-3u | 10,729,000 | 7,081,000 | | 3,648,000 | 547,000 | - | 3,101,000 | 1,550,500 | |
| 96 | Highland Road - Upper Centennial Parkway to Second Road East | 2023-2031 | 2.00 | 2r-3u | 10,308,000 | 6,803,000 | | 3,505,000 | 526,000 | - | 2,979,000 | 1,489,500 | |
| 97 | Mud Street - Upper Centennial Parkway to Second Road East | 2023-2031 | 2.00 | 2r-2u | 9,166,000 | 6,049,000 | | 3,117,000 | 468,000 | - | 2,649,000 | 1,324,500 | |
| 98 | Second Road East - Highway 20 to Mud Street | 2023-2031 | 3.00 | 2r-3u | 15,267,000 | 10,076,000 | | 5,191,000 | 779,000 | - | 4,412,000 | 2,206,000 | |
| 99 | Trinity Church Road* - Hydro corridor to Golf Club Road | 2023-2031 | 2.00 | 2r-2u | 9,541,000 | 6,297,000 | | 3,244,000 | 487,000 | - | 2,757,000 | 1,378,500 | |
| 100 | Upper Centennial Parkway - Green Mountain Road to Highway 20 | 2023-2031 | 2.90 | 4r-5u | 20,111,000 | 13,273,000 | | 6,838,000 | 1,026,000 | - | 5,812,000 | 2,906,000 | 2,906,000 |
| | Other Road Projects | 2010 | | | | | | 2 2 4 2 2 2 2 | | | | | |
| 101 | Binbrook Road - Royal Winter Dr/Binhaven Rd to Fletcher Road | 2019 | 0.70 | 2r-3u | 6,840,000 | - | | 6,840,000 | 1,026,000 | - | 5,814,000 | 2,907,000 | |
| 102 | Highway 8 (Dundas) - Bond Street to Dundas Limits | 2023-2031 | 0.40 | 2r-3u | 3,199,000 | - | | 3,199,000 | 1,280,000 | - | 1,919,000 | 959,500 | |
| 103 | Highway 8 (Dundas) - Hillcrest to Park Ave | 2020 | 0.60 | 2r-3u | 2,566,000 | - | | 2,566,000 | 1,026,000 | - | 1,540,000 | 770,000 | |
| 104 | Jones Road - Barton Street to South Service Road | 2023-2031 | 0.90 | 2r-2i | 3,739,000 | - | | 3,739,000 | 1,870,000 | - | 1,869,000 | 934,500 | , |
| 105 | Lewis Road - Barton Street to South Service Road | 2023-2031 | 0.80 | 2r-2i | 3,402,000 | - | | 3,402,000 | 1,701,000 | - | 1,701,000 | 850,500 | |
| 106 | Longwood Road - Aberdeen Avenue to Main Street | 2023-2031 | 0.65 | various/ESR | 5,561,000 | - | | 5,561,000 | 2,781,000 | - | 2,780,000 | 1,390,000 | |
| 107 | Miles Road - Rymal Road to Hydro Corridor | 2023-2031 | 2.00 | 2r-3i | 10,769,000 | - | | 10,769,000 | 1,615,000 | - | 9,154,000 | 4,577,000 | |
| 108 | Millen Road - Barton Street to South Service Road | 2023-2031 | 1.00 | 2r-3i | 6,118,000 | - | | 6,118,000 | 2,447,000 | - | 3,671,000 | 1,835,500 | |
| 109 | Fletcher Road - Binbrook Road to Golf Club Road | 2023-2031 | 4.20 | 2r-2u | 17,568,000 | - | | 17,568,000 | 7,027,000 | - | 10,541,000 | 5,270,500 | |
| | South Service Road - Millen Road to Gray | 2023-2031 | 1.70 | 2r-2u | 8,019,000 | - | | 8,019,000 | 1,203,000 | - | 6,816,000 | 3,408,000 | |
| 111 | Trinity Church Road - Binbrook Road to Golf Club Road | 2023-2031 | 5.20 | 2r-2u | 9,032,000 | - | | 9,032,000 | 3,613,000 | - | 5,419,000 | 2,709,500 | |
| | Twenty Road - Aldercrest Avenue to 600m west of Nebo Road | 2023-2031 | 4.10 | 2r-2u | 16,290,000 | - | | 16,290,000 | 6,516,000 | - | 9,774,000 | 4,887,000 | |
| 113 | Upper Gage Street - Mohawk Road to Thorley | 2023-2031 | 0.60 | 4u-5u | 5,281,000 | - | | 5,281,000 | 2,641,000 | - | 2,640,000 | 1,320,000 | |
| | Upper Wellington Street - Limeridge Street to Stone Church Road | 2019-2022 | 1.20 | 2r-5u | 9,350,000 | - | | 9,350,000 | 3,740,000 | - | 5,610,000 | 2,805,000 | |
| 115 | Shaver Road - Highway 403 to Wilson Street | 2019-2022 | | 2r-2u | 6,189,000 | - | | 6,189,000 | 928,000 | - | 5,261,000 | 2,630,500 | |
| | Scenic Drive - Lavender Drive (south leg) to Old City Limits | 2019-2022 | 1.40 | 2r-2u | 6,571,000 | - | | 6,571,000 | 2,628,000 | - | 3,943,000 | 1,971,500 | |
| 117 | North Service Road - Green Road to East City Limits | 2019-2022 | | Intersection | 3,013,000 | - | 1 | 3,013,000 | - | - | 3,013,000 | 1,506,500 | |
| | Victoria Avenue - Ferrie Street to Burlington Street | 2019 | 0.46 | | 1,224,000 | - | ļ | 1,224,000 | 184,000 | - | 1,040,000 | 520,000 | |
| 119 | Hwy 5/6 municipal roads (City portion) | 2019-2022 | - | Service Roads | 22,981,000 | 475.000.000 | | 22,981,000 | - | - | 22,981,000 | 11,490,500 | |
| 120 | Post Period Benefit Deduction | 2019-2031 | - | | - | 175,000,000 | | (175,000,000) | - | - | (175,000,000) | (87,500,000) | (87,500,000) |
| 404 | Major Structures | 0040 0000 | | Otm t | 40.000.000 | | | 40.000.000 | | | 40.000.000 | 0.440.500 | 0.440.500 |
| 121 | Highway 5/6 interchange | 2019-2022 | - | Structure | 18,299,000 | - | | 18,299,000 | - | - | 18,299,000 | 9,149,500 | 9,149,500 |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | I D.C. Recovera | ble Cost |
|-------------------|---|------------------|--------|-------------------------------------|---|------------------------|---------------------|------------------|---------------------------------------|--|----------------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 50% | Non-Residential Share 50% |
| 122 | Strathcona Pedestrian Bridge | 2027 | | Structure | 7,601,000 | _ | | 7,601,000 | 1,140,000 | - | 6.461.000 | 3,230,500 | |
| | Fifty Road - Grade Separation | 2029 | | Structure | 25,765,000 | 12,882,000 | | 12,883,000 | 3,221,000 | - | 9.662.000 | 4,831,000 | 4,831,000 |
| | Other Grade Separation - Grade Separation | 2029 | | Structure | 25,765,000 | 12,882,000 | | 12,883,000 | 3,221,000 | - | 9,662,000 | 4,831,000 | |
| | Mohawk Road | 2019-2022 | - | Hwy 403 WB on- ramp | 3,934,000 | - | | 3,934,000 | 1,967,000 | - | 1,967,000 | 983,500 | |
| | Programs | | | | | | | | | | | | |
| | Intersection Pedestrian Signal | 2019-2031 | - | City-Wide Program | 11,700,000 | | | 11,700,000 | 585,000 | - | 11,115,000 | 5,557,500 | |
| | Traffic Count Program | 2019-2031 | - | City-Wide Program | 2,000,000 | | | 2,000,000 | 100,000 | - | 1,900,000 | 950,000 | |
| | Geotechnical Investigation Program | 2019-2031 | - | City-Wide Program | 9,100,000 | - | | 9,100,000 | 7,735,000 | - | 1,365,000 | 682,500 | |
| | Mapping Update Program | 2019-2031 | - | City-Wide Program | 305,000 | - | | 305,000 | 15,000 | - | 290,000 | 145,000 | |
| | Active Transportation Benchmarking | 2019-2031 | - | City-Wide Program | 390,000 | - | | 390,000 | 20,000 | - | 370,000 | 185,000 | 185,000 |
| | Development Road Urbanization | 2019-2031 | - | City-Wide Program | 6,500,000 | - | | 6,500,000 | 325,000 | - | 6,175,000 | 3,087,500 | |
| | Street Lighting Enhancement Program | 2019-2031 | - | City-Wide Program | 3,250,000 | - | | 3,250,000 | 163,000 | - | 3,087,000 | 1,543,500 | |
| | Pedestrian Crossovers Advanced Traffic Management Systems | 2019-2031 | - | City-Wide Program | 900,000 14,390,000 | - | | 900,000 | 45,000 10,793,000 | - | 855,000 3,597,000 | 427,500 1,798,500 | |
| | Express Bus (L.A.S.T. Line) Enhanced Passenger Amenities | 2019-2031 | - | City-Wide Program City-Wide Program | 8,010,000 | - | | 8,010,000 | 4,005,000 | - | 4,005,000 | 2,002,500 | |
| | Express Bus (L.A.S.T. Line) Enhanced Passenger Amenities Miscellaneous Land Acquisitions | 2019-2031 | - | City-Wide Program | 5,000,000 | | | 5,000,000 | 250,000 | - | 4,750,000 | 2,002,500 | |
| | Transit Shelter Expansion Program | 2019-2031 | | City-Wide Program | 1,950,000 | | | 1,950,000 | 975,000 | - | 975,000 | 487.500 | |
| | Bus Stop Shelter Rebabilition Program | 2019-2031 | - | City-Wide Program | 1,625,000 | | | 1,625,000 | 1,381,000 | - | 244,000 | 122,000 | |
| | Cordon Count Program | 2019-2031 | | City-Wide Program | 330,000 | - | | 330.000 | 17,000 | - | 313.000 | 156.500 | 156,500 |
| | New Sidewalk Program | 2019-2031 | | City-Wide Program | 6,500,000 | | | 6,500,000 | 325,000 | - | 6,175,000 | 3,087,500 | |
| | New Traffic Signals | 2020-2031 | | City-Wide Program | 12,000,000 | | | 12,000,000 | 600,000 | - | 11,400,000 | 5,700,000 | |
| | New Traffic Signal - Waterdown Road/Mill St at Mountain Brow | 2019 | | Traffic Signal | 250,000 | _ | | 250,000 | 13,000 | _ | 237,000 | 118,500 | |
| | New Traffic Signal - Rymal Road west of Walmart Access | 2019 | _ | Traffic Signal | 100,000 | | | 100,000 | 5,000 | - | 95,000 | 47,500 | |
| | New Traffic Signal - Regional Road 56 at Dalgliesh Road | 2019 | _ | Traffic Signal | 250,000 | | | 250,000 | 13,000 | - | 237,000 | 118,500 | |
| | New Traffic Signal - Rymal at Canadian Tire Access | 2019 | _ | Traffic Signal | 200,000 | _ | | 200,000 | 10,000 | - | 190,000 | 95,000 | |
| | New Traffic Signal - Rymal (opposite Celestial Crescent) | 2019 | - | Traffic Signal | 100,000 | _ | | 100,000 | 5,000 | - | 95,000 | 47,500 | |
| | New Traffic Signal - Drakes at North Service Road | 2019 | - | Traffic Signal | 350,000 | _ | | 350,000 | 18,000 | - | 332,000 | 166,000 | |
| | New Traffic Signal -Fifty at North Service Road | 2019 | 7-7 | Traffic Signal | 350,000 | _ | | 350,000 | 18,000 | - | 332,000 | 166,000 | |
| | Unidentified intersection improvements (excluding Traffic Signals) | 2019-2031 | | City-Wide Program | 3,250,000 | - | | 3,250,000 | 163,000 | - | 3,087,000 | 1,543,500 | |
| | Annual A and B Line Enhanced Bus Stops & Shelters | 2019-2031 | - | City-Wide Program | 919,000 | - | | 919,000 | 460,000 | - | 459,000 | 229,500 | |
| | Annual Express Bus/Rapid Transit Enhanced Bus Stops & Shelters | 2019-2031 | - | City-Wide Program | 5,054,000 | - | | 5,054,000 | 2,527,000 | - | 2,527,000 | 1,263,500 | |
| | Annual Transit Priority Measures | 2019-2031 | - | City-Wide Program | 17,472,000 | - | | 17,472,000 | 8,736,000 | - | 8,736,000 | 4,368,000 | |
| 153 | Annual Bike Parking at B/A Line Stops | 2019-2031 | - | City-Wide Program | 46,000 | - | | 46,000 | 23,000 | - | 23,000 | 11,500 | |
| 154 | Annual Enahnced Bike Parking at Express Bus/Rapid Transit Stops | 2019-2031 | - | City-Wide Program | 275,000 | - | | 275,000 | 138,000 | - | 137,000 | 68,500 | 68,500 |
| 155 | Transportation Demand Management | 2019-2031 | - | City-Wide Program | 2,000,000 | - | | 2,000,000 | 1,000,000 | - | 1,000,000 | 500,000 | 500,000 |
| | Studies/Environmental Assessments | | | | | | | | | | | | |
| | Complete and Liveable Streets Guidelines | 2019-2022 | - | Study | 250,000 | - | | 250,000 | - | - | 250,000 | 125,000 | |
| | Cycling Master Plan Review | 2023-2031 | | Study | 200,000 | - | | 200,000 | - | - | 200,000 | 100,000 | |
| | E.M.M.E Model Management | 2019-2031 | - | Monitoring | 1,040,000 | - | | 1,040,000 | - | - | 1,040,000 | 520,000 | |
| | Goods Movement Study Review and Update | 2019-2022 | | Study | 150,000 | - | | 150,000 | - | - | 150,000 | 75,000 | |
| 160 | Intelligent Transportation System Strategy | 2019-2022 | - | Study | 250,000 | - | | 250,000 | - | - | 250,000 | 125,000 | 125,000 |
| | Lincoln Alexander and Red Hill Valley Parkway Widening Feasibility Study | 2019-2022 | | Study | 500,000 | - | | 500,000 | - | - | 500,000 | 250,000 | |
| | Multi-modal Level of Service Guidelines | 2019-2022 | - | Study | 250,000 | - | | 250,000 | - | - | 250,000 | 125,000 | |
| | Pedestrian Mobility Plan Review | 2023-2031 | - | Study | 200,000 | - | | 200,000 | - | - | 200,000 | 100,000 | |
| | Revenue Tools Study | 2019-2022 | - | Study | 250,000 | - | | 250,000 | - | - | 250,000 | 125,000 | |
| 165 | Transportation Master Plan Review | 2023-2031 | - | Study | 250,000 | - | | 250,000 | - | - | 250,000 | 125,000 | 125,000 |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | I D.C. Recoverat | ole Cost |
|-------------------|---|------------------|--------|------------------------|---|------------------------|---------------------|------------------|---------------------------------------|--|-----------|----------------------|--------------------------|
| Project Number | | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share | Non-Residential Share |
| | 2019-2031 | | | | | | | | | Development | | 50% | 50% |
| 166 | Truck Route Master Plan Review | 2019-2022 | - | Study | 250,000 | - | | 250,000 | - | - | 250,000 | 125,000 | 125,000 |
| 167 | Escarpment Crossing People Mover Study | 2023-2031 | - | Study | 200,000 | - | | 200,000 | - | - | 200,000 | 100,000 | 100,000 |
| | Active Transportation Projects | | | | | | | | | | | | |
| 168 | Red Hill Pedestrian Crossing - Eugene Street to Glengrove Avenue | 2019-2031 | - | Pedestrian Crossing | 1,750,000 | 525,000 | | 1,225,000 | 184,000 | - | 1,041,000 | 520,500 | 520,500 |
| 169 | Heritage Green Trail Link | 2019-2031 | - | CommuterTrail | 525,000 | 157,000 | | 368,000 | 55,000 | - | 313,000 | 156,500 | 156,500 |
| 170 | Flamborough Y.M.C.A Trail Link | 2019-2031 | - | CommuterTrail | 565,000 | 169,000 | | 396,000 | 59,000 | - | 337,000 | 168,500 | 168,500 |
| 171 | Centre Road Link | 2019-2031 | - | CommuterTrail | 640,000 | 192,000 | | 448,000 | 67,000 | - | 381,000 | 190,500 | 190,500 |
| 172 | Kerns Road, Waterdown South Link | 2019-2031 | | Multi-Use Trail | 957,000 | 287,000 | | 670,000 | 101,000 | - | 569,000 | 284,500 | |
| 173 | Hunter - MacNab to Catharine | 2019-2031 | 0.47 | Bike Lane | 78,000 | 23,000 | | 55,000 | 8,000 | - | 47,000 | 23,500 | 23,500 |
| 174 | Hunter - Liberty to Claremont Access | 2019-2031 | 0.23 | | 31,000 | 9,000 | | 22,000 | 3,000 | - | 19,000 | 9,500 | 9,500 |
| 175 | Wilson - James to Sherman | 2019-2031 | 2.55 | Bike Lane | 81,000 | 24,000 | | 57,000 | 9,000 | - | 48,000 | 24,000 | 24,000 |
| 176 | Ferguson - Hunter to Charlton | 2019-2031 | 0.20 | | 2,000 | 4 | 1 | 2,000 | - | - | 2,000 | 1,000 | 1,000 |
| 177 | King over Red Hill Valley Parkway - Lawrence to Pottruff | 2019-2031 | 0.50 | Bike Lane | 27,000 | 8,000 | | 19,000 | 3,000 | - | 16,000 | 8,000 | 8,000 |
| 178 | Locke - King to Hunter | 2019-2031 | 1.28 | Bike Lane | 8,000 | 2,000 | | 6,000 | 1,000 | - | 5,000 | 2,500 | 2,500 |
| 179 | Barton - Red Hill Valley to Lake | 2019-2031 | 1.61 | Bike Lane | 234,000 | 70,000 | | 164,000 | 25,000 | - | 139,000 | 69,500 | 69,500 |
| 180 | Wilson in Ancaster - Rousseaux to Halson | 2019-2031 | 0.85 | Bike Lane | 20,000 | 6,000 | | 14,000 | 2,000 | - | 12,000 | 6,000 | 6,000 |
| 181 | Barton - Brockley to Fruitland | 2019-2031 | 3.95 | | 123,000 | 37,000 | | 86,000 | 13,000 | - | 73,000 | 36,500 | 36,500 |
| 182 | Gage - Industrial to Lawrence | 2019-2031 | 2.96 | Bike Lane | 115,000 | 34,000 | | 81,000 | 12,000 | - | 69,000 | 34,500 | 34,500 |
| 183 | Hunter Street - Escarpment Rail Trail Link - Hunter to West 5th at Fennell | 2019-2031 | 3.50 | | 3,275,000 | 982,000 | | 2,293,000 | 344,000 | - | 1,949,000 | 974,500 | 974,500 |
| 184 | Cannon - Sherman to Lottridge | 2019-2031 | 0.42 | Bike Lane | 16,000 | 4,000 | | 12,000 | 2,000 | - | 10,000 | 5,000 | 5,000 |
| 185 | First Rd W/Whitedeer/Terryberry & Picardy/ Highbury - Glover Mtn Road/ Ridgeview Dr to Rymal/ Bellagio | 2019-2031 | 4.08 | Bike Lane | 48,000 | 15,000 | | 33,000 | 5,000 | - | 28,000 | 14,000 | 14,000 |
| 186 | Olympic Park Twin Pad Arena Link - Chedoke Rail Ttrail to Old Mohawk Road | 2019-2031 | 1.50 | Multi-Use Trail | 831,000 | 249,000 | | 582,000 | 87,000 | - | 495,000 | 247,500 | 247,500 |
| 187 | Dundas St - Main to Cootes | 2019-2031 | 0.68 | Bike Lane | 16,000 | 5,000 | | 11,000 | 2,000 | - | 9,000 | 4,500 | 4,500 |
| 188 | Mohawk - Old Mohawk to Upper Paradise | 2019-2031 | 1.83 | Bike Lane | 47,000 | 14,000 | | 33,000 | 5,000 | - | 28,000 | 14,000 | 14,000 |
| 189 | Hatt - Peel to Main | 2019-2031 | 0.93 | Bike Lane | 29,000 | 9,000 | | 20,000 | 3,000 | - | 17,000 | 8,500 | 8,500 |
| 190 | Eastport Drive Lift Bridge Link | 2019-2031 | - | Multi-Use Trail | 1,750,000 | 525,000 | | 1,225,000 | 184,000 | - | 1,041,000 | 520,500 | 520,500 |
| 191 | Beach Bike Lane - under QEW | 2019-2031 | 0.24 | Bike Lane | 7,000 | 2,000 | | 5,000 | 1,000 | - | 4,000 | 2,000 | 2,000 |
| 192 | Beach Boulevard - lift bridge to Van Wagner's | 2019-2031 | 4.25 | | 94,000 | 28,000 | | 66,000 | 10,000 | - | 56,000 | 28,000 | 28,000 |
| 193 | Van Wagner's - Beach Bike Lane to Centennial Parkway | 2019-2031 | 2.50 | | 78,000 | 23,000 | | 55,000 | 8,000 | - | 47,000 | 23,500 | 23,500 |
| 194 | Montclair/ Central/ Graham/ Frederick | 2019-2031 | 3.80 | Bike Lane | 19,000 | 6,000 | | 13,000 | 2,000 | - | 11,000 | 5,500 | 5,500 |
| 195 | Melvin - Strathhearne/ Shelby to Red Hill Valley Trail | 2019-2031 | 1.90 | | 59,000 | 18,000 | | 41,000 | 6,000 | - | 35,000 | 17,500 | 17,500 |
| 196 | Britania - Cannon to Walter | 2019-2031 | 0.84 | Bike Lane | 22,000 | 6,000 | | 16,000 | 2,000 | - | 14,000 | 7,000 | 7,000 |
| 197 | Creighton/ Market - Hatt/ King to Governor's | 2019-2031 | 0.95 | | 25,000 | 8,000 | | 17,000 | 3,000 | - | 14,000 | 7,000 | |
| | Ogilvie/ Old Ancaster - Hatt/ King to Hamilton-Brantford Rail Ttrail | 2019-2031 | 0.80 | | 14,000 | 5,000 | | 9,000 | 1,000 | - | 8,000 | 4,000 | |
| 199 | Longwood - Franklin to King | 2019-2031 | 0.73 | | 17,000 | 5,000 | | 12,000 | 2,000 | - | 10,000 | 5,000 | |
| 200 | Mountain Brow in Waterdown - Mill to Burke to King Road | 2019-2031 | 1.20 | | 660,000 | 198,000 | | 462,000 | 69,000 | - | 393,000 | 196,500 | 196,500 |
| 201 | Golf Links/ Halson - Wilson to Southcote | 2019-2031 | 1.19 | | 28,000 | 9,000 | | 19,000 | 3,000 | - | 16,000 | 8,000 | 8,000 |
| 202 | Meadowbrook | 2019-2031 | 1.00 | | 16,000 | 5,000 | | 11,000 | 2,000 | - | 9,000 | 4,500 | 4,500 |
| 203 | West 5th - Mohawk College Access to Marlowe | 2019-2031 | 1.13 | | 70,000 | 21,000 | | 49,000 | 7,000 | - | 42,000 | 21,000 | 21,000 |
| 204 | Limeridge - Garth/ Bonaventure to West 5th/ Hawkridge | 2019-2031 | 1.37 | | 53,000 | 16,000 | | 37,000 | 6,000 | - | 31,000 | 15,500 | 15,500 |
| 205 | Scenic - Chedoke Rail Ttrail to Upper Paradise | 2019-2031 | 2.27 | Bike Lane | 27,000 | 8,000 | ļ | 19,000 | 3,000 | - | 16,000 | 8,000 | 8,000 |
| 206 | Green Mountain - First Road W to First Road E | 2019-2031 | 1.50 | | 292,000 | 87,000 | ļ | 205,000 | 31,000 | - | 174,000 | 87,000 | 87,000 |
| 207 | | 2019-2031 | 0.40 | | 366,000 | 110,000 | ļ | 256,000 | 38,000 | - | 218,000 | 109,000 | 109,000 |
| 208 | Scenic/ Denlow - Upper Paradise to Garth | 2019-2031 | 0.95 | | 11,000 | 3,000 | ļ | 8,000 | 1,000 | - | 7,000 | 3,500 | 3,500 |
| 209 | Waterdown local streets | 2019-2031 | - | Bike Lane | 78,000 | 23,000 | | 55,000 | 8,000 | - | 47,000 | 23,500 | 23,500 |
| 210 | Frid/Chatham - Longwood to Dundurn | 2019-2031 | 1.00 | Bike Lane | 6,000 | 2,000 | | 4,000 | 1,000 | - | 3,000 | 1,500 | 1,500 |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | ıl D.C. Recoveral | ole Cost |
|-------------------|---|------------------|--------------|------------------------|---|------------------------|---------------------|------------------|---------------------------------------|--|------------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 50% | Non-Residential Share 50% |
| 211 | Fiddler's Green - Jerseyville to Wilson | 2019-2031 | 0.25 | Bike Lane | 6,000 | 2,000 | | 4,000 | 1,000 | - | 3,000 | 1,500 | |
| 212 | Upper Wentworth - Fennell to East 24th | 2019-2031 | 1.03 | Bike Lane | 40,000 | 12,000 | | 28,000 | 4.000 | - | 24,000 | 12.000 | 12,000 |
| 213 | Barton - Fruitland to Fifty | 2019-2031 | 5.00 | Multi-Use Trail | 2,647,000 | 794.000 | | 1,853,000 | 278,000 | - | 1,575,000 | 787,500 | 787,500 |
| 214 | Queensdale - Upper Sherman to Upper Ottawa | 2019-2031 | 1.56 | Bike Lane | 36,000 | 10,000 | | 26,000 | 4,000 | - | 22,000 | 11,000 | 11,000 |
| | Old Mud - Mt Albion to Winterberry | 2019-2031 | 0.40 | Bike Lane | 9,000 | 2,000 | | 7.000 | 1,000 | - | 6,000 | 3,000 | 3,000 |
| 216 | Charlton/ John - James to Ferguson & St Joseph's Dr | 2019-2031 | 0.80 | Bike Lane | 84,000 | 25,000 | | 59,000 | 9,000 | _ | 50,000 | 25,000 | 25,000 |
| 217 | Upper Wentworth - Concession to Fennell | 2019-2031 | 1.03 | Bike Lane | 40,000 | 12,000 | | 28,000 | 4,000 | - | 24,000 | 12,000 | 12,000 |
| 218 | West Ave - Hunter/ Claremont to Young | 2019-2031 | 0.36 | Bike Lane | 3,000 | 1,000 | | 2,000 | - | - | 2,000 | 1,000 | 1,000 |
| 219 | Frances - Grays to east of Green Road | 2019-2031 | 1.15 | Bike Lane | 156,000 | 47,000 | | 109,000 | 16,000 | - | 93,000 | 46,500 | |
| 220 | Nash - Bancroft to King | 2019-2031 | 2.58 | Bike Lane | 101,000 | 31,000 | | 70,000 | 11,000 | - | 59,000 | 29,500 | |
| 221 | Kitty Murray | 2019-2031 | 2.26 | Bike Lane | 53,000 | 16,000 | | 37,000 | 6,000 | - | 31,000 | 15,500 | 15,500 |
| 222 | Stonehenge | 2019-2031 | 2.46 | Bike Lane | 58,000 | 18,000 | | 40,000 | 6,000 | - | 34,000 | 17,000 | 17,000 |
| 223 | Highway 8 - Bond to Hillcrest | 2019-2031 | 1.10 | Paved Shoulder | 1,014,000 | 304,000 | | 710,000 | 107,000 | - | 603,000 | 301,500 | 301,500 |
| 224 | Queensdale - Upper Wellington to Upper Sherman | 2019-2031 | 1.68 | Bike Lane | 39,000 | 11,000 | | 28,000 | 4,000 | - | 24,000 | 12,000 | 12,000 |
| 225 | Meadowlands/ Raymond - Golf Links to Garner | 2019-2031 | 2.10 | Bike Lane | 49,000 | 15,000 | | 34,000 | 5,000 | - | 29,000 | 14,500 | 14,500 |
| 226 | Delawana - Kenora to Lake | 2019-2031 | 1.02 | Bike Lane | 9,000 | 3,000 | | 6,000 | 1,000 | - | 5,000 | 2,500 | 2,500 |
| 227 | Highway 8 - Brock to Hillcrest | 2019-2031 | 0.60 | Paved Shoulder | 108,000 | 32,000 | | 76,000 | 11,000 | - | 65,000 | 32,500 | 32,500 |
| 228 | Upper Paradise - Stone Church to Rymal | 2019-2031 | 1.07 | Bike Lane | 42,000 | 13,000 | | 29,000 | 4,000 | - | 25,000 | 12,500 | 12,500 |
| 229 | Binbrook Road - Regional Road 56 to Southbrook | 2019-2031 | 0.28 | Bike Lane | 7,000 | 2,000 | | 5,000 | 1,000 | - | 4,000 | 2,000 | 2,000 |
| 230 | Lovers Lane - Sulpher Springs to Jerseyville | 2019-2031 | 0.90 | Bike Lane | 21,000 | 6,000 | | 15,000 | 2,000 | - | 13,000 | 6,500 | 6,500 |
| 231 | Governor's - Binkley to Creighton | 2019-2031 | 4.92 | Bike Lane | 652,000 | 195,000 | | 457,000 | 69,000 | - | 388,000 | 194,000 | 194,000 |
| 232 | Stuart Street Rail Link | 2019-2031 | - | Multi-Use Trail | 254,000 | 76,000 | | 178,000 | 27,000 | - | 151,000 | 75,500 | 75,500 |
| 233 | Mud Street - Mountain Brow Boulevard | 2019-2031 | 0.50 | Multi-Use Trail | 136,000 | 41,000 | | 95,000 | 14,000 | - | 81,000 | 40,500 | |
| 234 | William Connell Park Link - Stone Church Road to Rymal | 2019-2031 | 0.70 | Multi-Use Trail | 689,000 | 206,000 | | 483,000 | 72,000 | - | 411,000 | 205,500 | |
| 235 | Upper James - William Connell Park | 2019-2031 | 0.38 | Multi-Use Trail | 225,000 | 67,000 | | 158,000 | 24,000 | - | 134,000 | 67,000 | 67,000 |
| 236 | Grays/ Gray - Confederation Park gate to King | 2019-2031 | 3.00 | Bike Lane | 117,000 | 35,000 | | 82,000 | 12,000 | - | 70,000 | 35,000 | 35,000 |
| 237 | King in Dundas - Bond to Peel | 2019-2031 | 0.80 | Bike Lane | 31,000 | 9,000 | | 22,000 | 3,000 | - | 19,000 | 9,500 | 9,500 |
| 238 | Warrington/ South Service/ Lake - Centennial Parkway to Delawana | 2019-2031 | 2.05 0.40 | Bike Lane | 78,000 | 23,000 5,000 | | 55,000 9.000 | 8,000 | - | 47,000 | 23,500 4.000 | 23,500 |
| 239 | Marston - Paramount to Gordon Drummond Kenora/ Greenford/ Owen - Bancroft to King | 2019-2031 | 2.60 | Bike Lane Bike Lane | 14,000 172,000 | 52,000 | | 120.000 | 1,000 18,000 | - | 8,000 102,000 | 51,000 | 4,000 51,000 |
| 240 | Centennial Parkway - North Service to GO station/ Kenora | 2019-2031 | 1.20 | Multi-Use Trail | 156,000 | 47,000 | | 109,000 | 16,000 | - | 93,000 | 46,500 | |
| 241 | Victoria - Barton to Main | 2019-2031 | 1.04 | Bike Lane | 40,000 | 12,000 | | 28,000 | 4,000 | - | 24,000 | 12,000 | 12,000 |
| 242 | Kentley - Eugene to Kenora | 2019-2031 | 0.40 | Bike Lane | 4,000 | 1,000 | | 3,000 | 4,000 | - | 3,000 | 1,500 | 1,500 |
| 244 | Whitney - Main to Emerson | 2019-2031 | 1.50 | Bike Lane | 47,000 | 14,000 | | 33,000 | 5,000 | - | 28,000 | 14,000 | 14,000 |
| 245 | West 5th - Fennell to Mohawk Coll. Access | 2019-2031 | 0.33 | Multi-Use Trail | 28.000 | 8.000 | | 20,000 | 3.000 | _ | 17.000 | 8,500 | |
| | Millen - Shoreview to Millen/ Seaman | 2019-2031 | | Bike Lane | 31,000 | 9,000 | | 22,000 | 3,000 | - | 19,000 | 9,500 | |
| | King in Stoney Creek - Battlefield/ Elm to Gray | 2019-2031 | 0.74 | Bike Lane | 16,000 | 5,000 | | 11,000 | 2,000 | - | 9,000 | 4,500 | |
| 248 | Limeridge - Birchview to Mtn Brow | 2019-2031 | 1.98 | Bike Lane | 70,000 | 21,000 | | 49,000 | 7,000 | - | 42,000 | 21,000 | |
| 249 | Dewitt - Dundee to Ridge | 2019-2031 | 0.50 | Bike Lane | 750,000 | 225,000 | | 525,000 | 79,000 | - | 446,000 | 223,000 | |
| 250 | Claremont Access - Inverness to Main | 2019-2031 | 1.60 | Bike Lane | 50,000 | 15,000 | | 35,000 | 5,000 | - | 30,000 | 15,000 | |
| 251 | Inverness - Upper James to Belvidere | 2019-2031 | 0.44 | Bike Lane | 11,000 | 3,000 | | 8,000 | 1,000 | - | 7,000 | 3,500 | 3,500 |
| 252 | Burlington Street Link - Ferguson/ Dock Service Road to Sherman | 2019-2031 | 1.88 | Bike Lane | 104,000 | 31,000 | | 73,000 | 11,000 | - | 62,000 | 31,000 | |
| 253 | Dundas St in Waterdown - Highway 6 to Hamilton St | 2019-2031 | 2.75 | Bike Lane | 129,000 | 39,000 | | 90,000 | 14,000 | - | 76,000 | 38,000 | |
| 254 | Hollybush - Parkside to Dundas St | 2019-2031 | 1.10 | Bike Lane | 16,000 | 5,000 | | 11,000 | 2,000 | - | 9,000 | 4,500 | |
| 255 | Greenhill - Summercrest to King | 2019-2031 | 1.20 | Bike Lane | 47,000 | 14,000 | | 33,000 | 5,000 | - | 28,000 | 14,000 | |
| | Governor's - Ogilvie to Main | 2019-2031 | 0.24 | Bike Lane | 43,000 | 13,000 | | 30,000 | 5,000 | - | 25,000 | 12,500 | |
| | Queenston/ Highway 8 - Glover to Winona/ Niagara border | 2019-2031 | 3.80 | Bike Lane | 682,000 | 205,000 | | 477,000 | 72,000 | - | 405,000 | 202,500 | |
| 258 | Burlington Street East Boulevard Trail - Ottawa to Parkdale to Glow | 2019-2031 | 2.30 | Multi-Use Trail | 1,050,000 | 315,000 | | 735,000 | 110,000 | - | 625,000 | 312,500 | 312,500 |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | ıl D.C. Recoveral | ble Cost |
|-------------------|--|------------------|--------|------------------------|---|------------------------|---------------------|------------------|---------------------------------------|---|-----------|----------------------|--------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New | Total | Residential Share | Non-Residential Share |
| | 2019-2031 | | | | | | | | | Development | | 50% | 50% |
| 259 | Queenston/ Highway 8 - King to Dewitt | 2019-2031 | 1.37 | Bike Lane | 246,000 | 74,000 | | 172,000 | 26,000 | - | 146,000 | 73,000 | |
| 260 | Greenhill - Harrisford to Summercrest | 2019-2031 | 1.94 | Bike Lane | 76,000 | 23,000 | | 53,000 | 8,000 | - | 45,000 | 22,500 | |
| 261 | Mill in Waterdown - Parkside to Dundas St | 2019-2031 | 0.95 | Bike Lane | 22,000 | 6,000 | | 16,000 | 2,000 | - | 14,000 | 7,000 | 7,000 |
| 262 | King in Stoney Creek - Gray to Queenston/ Highway 8 | 2019-2031 | 1.51 | Bike Lane | 78,000 | 23,000 | | 55,000 | 8,000 | - | 47,000 | 23,500 | |
| 263 | Rousseaux/ Mohawk - Wilson to Filman | 2019-2031 | 1.60 | Bike Lane | 225,000 | 68,000 | | 157,000 | 24,000 | - | 133,000 | 66,500 | |
| 264 | Baseline/ Lockport - Winona Road to Niagara border | 2019-2031 | 1.15 | Bike Lane | 23,000 | 7,000 | | 16,000 | 2,000 | - | 14,000 | 7,000 | |
| 265 | Winona - Lido/ shore to Peachtree | 2019-2031 | 1.97 | Bike Lane | 46,000 | 14,000 | | 32,000 | 5,000 | - | 27,000 | 13,500 | |
| 266 | Cherry Beach Road Link - Millen to Dewitt | 2019-2031 | 0.91 | Multi-Use Trail | 234,000 | 70,000 | | 164,000 | 25,000 | - | 139,000 | 69,500 | |
| 267 | North Service Road - Dewitt to Lakeview | 2019-2031 | 0.73 | Bike Lane | 16,000 | 5,000 | ` | 11,000 | 2,000 | - | 9,000 | 4,500 | |
| 268 | North Service Road - Bellavista to Baseline | 2019-2031 | 0.98 | Bike Lane | 23,000 | 7,000 | | 16,000 | 2,000 | - | 14,000 | 7,000 | 7,000 |
| 269 | Upper Sherman - Stone Church to Rymal to Miles | 2019-2031 | 1.00 | Bike Lane | 179,000 | 53,000 | | 126,000 | 19,000 | - | 107,000 | 53,500 | |
| 270 | Emperor - Brigade to Acadia | 2019-2031 | 0.44 | Bike Lane | 16,000 | 5,000 | | 11,000 | 2,000 | - | 9,000 | 4,500 | |
| 271 | Burlington/ Industrial - Sherman to Gage | 2019-2031 | 0.86 | Bike Lane | 99,000 | 30,000 | | 69,000 | 10,000 | - | 59,000 | 29,500 | |
| 272 | Birch/ Holton - Burlington St to Cannon/ King/ Delaware | 2019-2031 | 1.40 | Bike Lane | 31,000 | 9,000 | | 22,000 | 3,000 | - | 19,000 | 9,500 | |
| 273 | Dewitt - Barton to Dundee | 2019-2031 | 0.90 | Bike Lane | 21,000 | 6,000 | | 15,000 | 2,000 | - | 13,000 | 6,500 | -, |
| 274 | Chedmac - Southridge to Rice | 2019-2031 | 0.53 | Bike Lane | 23,000 | 7,000 | | 16,000 | 2,000 | - | 14,000 | 7,000 | |
| 275 | Kilbride - Upper Ottawa to Nebo | 2019-2031 | 0.38 | Bike Lane | 9,000 | 3,000 | | 6,000 | 1,000 | - | 5,000 | 2,500 | , |
| 276 | Hamilton in Waterdown - Centre/Main to Highway 5/Dundas | 2019-2031 | 1.00 | Bike Lane | 62,000 | 18,000 | | 44,000 | 7,000 | - | 37,000 | 18,500 | |
| 277 | Osler/ Main - Hatt/ King to Main + 125m of Main | 2019-2031 | 2.00 | Bike Lane | 88,000 | 26,000 | | 62,000 | 9,000 | - | 53,000 | 26,500 | 26,500 |
| 278 | Fiddler's Green - Amberly to Garner | 2019-2031 | 0.68 | Bike Lane | 21,000 | 6,000 | | 15,000 | 2,000 | - | 13,000 | 6,500 | 6,500 |
| 279 | Shaver - Wilson to Garner | 2019-2031 | 0.52 | Bike Lane | 12,000 | 3,000 | | 9,000 | 1,000 | - | 8,000 | 4,000 | 4,000 |
| 280 | Upper James - Twenty to Airport/ Mt Hope | 2019-2031 | 4.05 | Multi-Use Trail | 1,153,000 | 346,000 | | 807,000 | 121,000 | - | 686,000 | 343,000 | |
| 281 | Christie-Tews - Christie C.A. to Harvest | 2019-2031 | 2.75 | Multi-Use Trail | 1,124,000 | 337,000 | | 787,000 | 118,000 | - | 669,000 | 334,500 | |
| 282 | Fennell Avenue Boulevard Trail - Garth/ West 18th to West 5th | 2019-2031 | 1.20 | Multi-Use Trail | 412,000 | 124,000 | | 288,000 | 43,000 | - | 245,000 | 122,500 | 122,500 |
| 283 | Jones Road Link | 2019-2031 | - | Multi-Use Trail | 222,000 | 222,000 | | - | - | - | - | - | - |
| 284 | Mountain Brow Boulevard Trail - Mohawk to Arbour | 2019-2031 | 1.81 | Multi-Use Trail | 374,000 | 112,000 | | 262,000 | 39,000 | - | 223,000 | 111,500 | |
| 285 | Mountain Brow East Path - Rendell to Oakcrest | 2019-2031 | 0.81 | Multi-Use Trail | 1,560,000 | 468,000 | | 1,092,000 | 164,000 | - | 928,000 | 464,000 | 464,000 |
| 286 | Upper James/ Christie - Rymal to Twenty | 2019-2031 | 0.80 | Multi-Use Trail | 197,000 | 59,000 | | 138,000 | 21,000 | - | 117,000 | 58,500 | 58,500 |
| 287 | Proposed Pipeline Trail - Museum of Steam and Technology to Mahoney | 2019-2031 | 2.40 | Multi-Use Trail | 517,000 | 155,000 | | 362,000 | 54,000 | - | 308,000 | 154,000 | 154,000 |
| 288 | Existing Pipeline Trail - Main to Strathearne | 2019-2031 | 2.20 | Multi-Use Trail | 4,679,000 | 1,404,000 | | 3,275,000 | 491,000 | - | 2,784,000 | 1,392,000 | 1,392,000 |
| 289 | Hydro Corridor - Barton to Lawrence | 2019-2031 | 1.90 | Multi-Use Trail | 1,251,000 | 375,000 | | 876,000 | 131,000 | - | 745,000 | 372,500 | |
| 290 | Hydro Corridor - Lawrence Avenue to Greenhill Avenue | 2019-2031 | 1.15 | Multi-Use Trail | 430,000 | 129,000 | | 301,000 | 45,000 | - | 256,000 | 128,000 | 128,000 |
| 291 | Strachan Street Trail - James to Ferguson | 2019-2031 | 0.66 | Multi-Use Trail | 337,000 | 101,000 | | 236,000 | 35,000 | - | 201,000 | 100,500 | |
| 292 | Karst Escarpment Loop - Pritchard to Mount Albion/Winterberry | 2019-2031 | 0.70 | Multi-Use Trail | 390,000 | 117,000 | | 273,000 | 41,000 | - | 232,000 | 116,000 | 116,000 |
| 293 | Chedoke Rail Trail - Highway 403 to Dundurn | 2019-2031 | 4.68 | Multi-Use Trail | 1,487,000 | 446,000 | | 1,041,000 | 156,000 | - | 885,000 | 442,500 | |
| - | Hamilton-Brantford Rail Ttrail - Bridlewood Dr to Ewen | 2019-2031 | 4.00 | Multi-Use Trail | 406,000 | 122,000 | | 284,000 | 43,000 | - | 241,000 | 120,500 | |
| 295 | Battlefield Park - Bruce Trail Link - Greenhill to Bruce Trail to Glover Mtn | 2019-2031 | 0.75 | Multi-Use Trail | 533,000 | 160,000 | | 373,000 | 56,000 | - | 317,000 | 158,500 | 158,500 |
| 296 | Devil's Punchbowl Link - Mountain Ave/ Lake Ave to Ridge Road/ Devil's | 2019-2031 | 0.42 | Multi-Use Trail | 150,000 | 150,000 | | - | - | - | - | - | - |
| 297 | Gage Park - Cumberland to Montclair/ Maple | 2019-2031 | 0.59 | Multi-Use Trail | 331,000 | 99,000 | | 232,000 | 35,000 | - | 197,000 | 98,500 | |
| 298 | Iroquois Heights to Old Mohawk - Chedoke Rail Trail to Old Mohawk Road | 2019-2031 | 0.85 | Multi-Use Trail | 318,000 | 95,000 | | 223,000 | 33,000 | - | 190,000 | 95,000 | |
| | Museum of Steam and Tech Link - Woodward to Red Hill Valley Trail | 2019-2031 | 0.75 | Multi-Use Trail | 607,000 | 182,000 | | 425,000 | 64,000 | - | 361,000 | 180,500 | |
| 300 | Ottawa Street South - Bruce Trail Link | 2019-2031 | 0.39 | Multi-Use Trail | 686,000 | 206,000 | | 480,000 | 72,000 | - | 408,000 | 204,000 | |
| 301 | Limeridge Mall Hydro Corridor Trail - Mohawk Road to South of Rymal | 2019-2031 | 3.80 | Multi-Use Trail | 1,404,000 | 421,000 | | 983,000 | 147,000 | - | 836,000 | 418,000 | |
| 302 | Fallsview - Sydenham to Rock Chapel Road | 2019-2031 | 1.40 | Multi-Use Trail | 350,000 | 105,000 | | 245,000 | 37,000 | - | 208,000 | 104,000 | |
| 303 | Hydro Corridor - Wilson/Highway 52 to Regional Road 56 | 2019-2031 | 12.70 | Multi-Use Trail | 7,617,000 | 2,285,000 | | 5,332,000 | 800,000 | - | 4,532,000 | 2,266,000 | |
| | Beddoe Drive Link | 2019-2031 | 0.91 | Multi-Use Trail | 519,000 | 156,000 | | 363,000 | 54,000 | - | 309,000 | 154,500 | |
| | Hydro Corridor - Glancaster Road to Chippewa Rail Trail | 2019-2031 | 7.70 | Multi-Use Trail | 5,763,000 | 1,729,000 | | 4,034,000 | 605,000 | - | 3,429,000 | 1,714,500 | |
| 306 | Hydro Corridor - Chippewa Rail Trail to Fletcher Road | 2019-2031 | 2.35 | Multi-Use Trail | 3,685,000 | 1,105,000 | | 2,580,000 | 387,000 | - | 2,193,000 | 1,096,500 | 1,096,500 |

City of Hamilton

| | | | | | | | | | | Less: | Potentia | ıl D.C. Recoveral | ble Cost |
|-------------------|---|------------------|--------|------------------------|---|------------------------|---------------------|------------------|---------------------------------------|--|--------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Length | Capital Improvement | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 50% | Non-Residential Share 50% |
| 307 | Hydro Corridor - Trinity Road to Glancaster Road | 2019-2031 | 10.00 | Multi-Use Trail | 7,617,000 | 2,285,000 | | 5,332,000 | 800,000 | - | 4,532,000 | 2,266,000 | 2,266,000 |
| 308 | Hydro Corridor - White Church Road | 2019-2031 | 6.60 | Multi-Use Trail | 3,731,000 | 1,866,000 | | 1,865,000 | 280,000 | - | 1,585,000 | 792,500 | 792,500 |
| 309 | White Church Road West Airport Link | 2019-2031 | - | Multi-Use Trail | 673,000 | 336,000 | | 337.000 | 51,000 | - | 286.000 | 143,000 | 143,000 |
| | White Church Road West Link | 2019-2031 | _ | Multi-Use Trail | 1,315,000 | 657,000 | | 658,000 | 99,000 | _ | 559.000 | 279,500 | 279,500 |
| 311 | Chippewa Road at Highway 6 | 2019-2031 | 0.02 | Multi-Use Trail | 125,000 | 38,000 | | 87,000 | 13,000 | - | 74,000 | 37,000 | 37,000 |
| | Glancaster Road Link | 2019-2031 | - | Multi-Use Trail | 495,000 | 248,000 | | 247,000 | 37,000 | - | 210.000 | 105,000 | 105,000 |
| | Centre - Concession 8 E to Concession 7 E | 2019-2031 | 1.80 | Paved Shoulder | 351,000 | 105,000 | | 246,000 | 37,000 | _ | 209,000 | 104,500 | 104,500 |
| | East Townline - Mud to Highland | 2019-2031 | 1.10 | Bike Lane | 13,000 | 4,000 | | 9,000 | 1,000 | - | 8,000 | 4,000 | 4,000 |
| 315 | Centre - Warren/ Carlisle Road to Progreston | 2019-2031 | 0.78 | Paved Shoulder | 151,000 | 45,000 | | 106,000 | 16,000 | _ | 90,000 | 45,000 | 45,000 |
| 316 | Centre - Grinstone Creek to Concession 5 E | 2019-2031 | 0.45 | Paved Shoulder | 88,000 | 27,000 | | 61,000 | 9,000 | - | 52,000 | 26,000 | 26,000 |
| | Edgewood - Safari to Highway 6 | 2019-2031 | 0.90 | Bike Lane | 11,000 | 4,000 | | 7,000 | 1,000 | _ | 6,000 | 3,000 | 3,000 |
| 318 | Binbrook Road - Trinity Church to Fletcher | 2019-2031 | 1.26 | Paved Shoulder | 246,000 | 74,000 | | 172,000 | 26,000 | _ | 146,000 | 73.000 | 73,000 |
| | Ridge Road - Devil Punch Bowl to Dewitt | 2019-2031 | 2.91 | Multi-Use Trail | 780,000 | 234,000 | | 546,000 | 82,000 | _ | 464,000 | 232,000 | 232,000 |
| | York Road - Olympic to Valley Road | 2019-2031 | 1.70 | Paved Shoulder | 437,000 | 131,000 | | 306,000 | 46,000 | _ | 260,000 | 130,000 | 130,000 |
| | York Road & York Road at Old Guelph - Valley Road to Highway 6 | 2019-2031 | 2.50 | Multi-Use Trail | 1,433,000 | 430,000 | | 1,003,000 | 150,000 | - | 853,000 | 426,500 | 426,500 |
| 322 | Northlawn Avenue Link | 2019-2031 | 1.10 | Multi-Use Trail | 400,000 | 120,000 | | 280,000 | 42,000 | _ | 238,000 | 119,000 | 119,000 |
| 323 | Mosaic Drive - Parkside Drive to Highway 6 | 2019-2031 | 1.90 | Multi-Use Trail | 886,000 | 266,000 | | 620,000 | 93,000 | - | 527,000 | 263,500 | 263,500 |
| 324 | Valley Road - Rock Chapel to York Road | 2019-2031 | 1.40 | Paved Shoulder | 312,000 | 94,000 | | 218,000 | 33,000 | - | 185,000 | 92,500 | 92,500 |
| 325 | Regional Road 56 south of Kirk - Southbrook to Binbrook Cons Area | 2019-2031 | 3.00 | Multi-Use Trail | 780,000 | 234,000 | | 546,000 | 82,000 | - | 464,000 | 232,000 | 232,000 |
| | Regional Road 56 - Swayze Road to Cemetery | 2019-2031 | 4.60 | Multi-Use Trail | 3,119,000 | 936,000 | | 2.183,000 | 327,000 | - | 1.856.000 | 928.000 | 928,000 |
| | Old Guelph Road - Paterson to York Bike Lane | 2019-2031 | 3.53 | Paved Shoulder | 907,000 | 272,000 | | 635,000 | 95,000 | - | 540,000 | 270,000 | 270,000 |
| | Hamilton Drive Link | 2019-2031 | - | Multi-Use Trail | 1,980,000 | 1,980,000 | | - | - | - | - | - | - |
| | Existing Debt: | | | | 75575 |) | | | | | | | |
| | Debt on Expressway - Principal (discounted) ¹ | 2019-2025 | | | 17,811,239 | - | | 17,811,239 | - | - | 17,811,239 | 13,002,194 | 4,809,045 |
| | Debt on Expressway - Interest (discounted) ¹ | 2019-2025 | | | 2,778,869 | - | | 2,778,869 | _ | - | 2,778,869 | 2,028,573 | 750,296 |
| | Debt on Various Growth Related Road Projects - Principal (discounted) ² | 2019-2023 | | | 2,033,756 | - | | 2,033,756 | - | - | 2,033,756 | 278,625 | 1,755,131 |
| | Debt on Various Growth Related Road Projects - Interest (discounted) ² | 2019-2023 | | | 175,985 | - | | 175,985 | _ | - | 175.985 | 24,110 | 151,875 |
| | Future Financing: | | | | 110,000 | | | , | | | , | | 101,010 |
| 333 | Waterdown Road (Burlington portion) - Mountain Brow Road to Craven Avenue - Growth Related Debt Interest (Discounted) | 2020-2035 | | | 4,782,128 | - | | 4,782,128 | - | - | 4,782,128 | 4,303,916 | 478,213 |
| 334 | Reserve Fund Adjustment | | | | | - | | - | 13,535,975 | - | (13,535,975) | (6,767,988) | (6,767,988) |
| | Total | | | | 1,383,221,977 | 482,096,000 | - | 901,125,977 | 233,428,975 | - | 667,697,002 | 349,582,930 | 318,114,072 |

¹ Debt on Expressway Issued for 73% Residential portion and 27% Non-Residential portion

² Debt on Various Growth Related Road Projects Issued for 13.7% Residential portion and 86.3% Non-Residential portion

³ Residential/Non-Residential Split based on 90%/10%

Table 9: Highway Projects 2019-2031

| Item | | | | Estimated | | | Gross Capital | Gross Capital | Grace Carital Cast | Doct Daried | Davelanar | Net Capital | Panafit to | Donofit to | Ponofit to | Boxofit to Crowth | Banafit to Grouth |
|-------|---|---|---|------------------------|------------------|--------------|------------------------------|-------------------------------|------------------------------|------------------------|-----------------------------|------------------------------------|----------------------------|-----------------------------|--------------------------|--|---------------------------|
| # | Project Name | From | То | Estimated Timing | Improvement Type | Length | Cost Estimate 2019\$ | Cost including E.A. 2019\$ | Gross Capital Cost 2019\$ | Post Period Benefit | Developer Responsibility | Estimate After Deduction 2019\$ | Benefit to Existing (%) | Benefit to Existing (\$) | Benefit to Growth (%) | Benefit to Growth (\$) | Benefit to Growth (\$) |
| A | irport Employemnt Growth District Projects | | | | | | | | | | | | | | | | |
| | rport Road | Upper James Street | East Cargo Road | 2019-2022 | 2r-3i | 1.07 | \$4,436,753 | \$4,436,753 | \$4,437,000 | | | \$4,437,000 | | \$1,775,000 | | \$2,662,200 | |
| | irport Road irport Road | East Cargo Road Terminal Access Road | Terminal Access Road Glancaster Road | 2019-2022 2023-2031 | 2r-4u 2r-3i | 0.32 1.68 | \$2,423,364 \$7,325,238 | \$2,423,364 \$7,325,238 | \$2,423,000 \$7,325,000 | | | \$2,423,000 \$7,325,000 | | \$969,000 | | \$1,453,800 \$4,395,000 | |
| | irport Road* | Butter Road | Glancaster Road | 2032-2041 | 2r-4u | 0.86 | \$6,705,207 | \$7,470,207 | \$7,470,000 | | | | | \$2,530,000 | | \$0 | |
| | pok Road | Fiddler's Green Road | Highway 6 | 2032-2041 | 2r-4u | 0.99 | \$6,339,812 | \$6,339,812 | \$6,340,000 | | | \$0 | | \$0 | | \$0 | \$1 |
| | ook Road* ook Road | Highway 6 | Southcote Road | 2032-2041 | 2r-4u 4u-6u | 1.11 | \$5,841,812 \$6,421,333 | \$6,158,012 | \$6,158,000 | | | \$0 | | \$0 | 1 | \$0 | |
| | pok Road | Highway 6 Collector 2W | Southcote Road Glancaster Road | 2032-2041 | 2r-2u | 1.11 0.59 | \$1,983,541 | \$6,421,333 \$1,983,541 | \$6,421,000 \$1,984,000 | | | \$0 \$0 | | \$0 | | \$0 \$0 | |
| 9 Bi | utter Road East* | Airport Road | Glancaster Road | 2023-2031 | 2r-2u | 0.97 | \$3,195,974 | \$3,960,974 | \$3,961,000 | | | \$3,961,000 | | \$594,000 | | \$3,366,850 | \$3,367,00 |
| | utter Road East | Highway 6 | Airport Road | 2023-2031 | 2r-4u | 0.37 | \$3,427,759 | \$3,427,759 | \$3,428,000 | | | \$0 | | \$0 | | \$0 | |
| | utter Road East arluke Road East | Fiddlers Green Road Fiddler's Green Road | Highway 6 Glancaster Road | 2032-2041 2032-2041 | 2r-4u 2r-4u | 0.94 1.05 | \$8,708,361 \$5,526,038 | \$8,708,361 \$6,291,038 | \$8,708,000 \$6,291,000 | | | \$0 \$0 | + | \$0 \$0 | | \$0 \$0 | |
| | ollector Road 6N (oversizing) | Glancaster Road | Collector Road 6E | 2032-2041 | 4u | 1.93 | \$2,895,969 | \$2,895,969 | \$2,896,000 | | | \$0 | | \$0 | | \$0 | |
| | ollector Road 6N (oversizing) | Collector Road 6E | Collecror Road 7E | 2032-2041 | 4u | 2.56 | \$3,635,196 | \$3,635,196 | \$3,635,000 | | | <u> </u> | | \$0 | | \$0 | |
| | ollector Road 7E (oversizing) ickenson Road | Collector 6N Glancaster Road | Upper James Street Upper James Street | 2032-2041 | 4u 2r-4u | 0.58 2.90 | \$1,311,912 \$14,282,093 | \$1,311,912 \$14,282,093 | \$1,312,000 \$14,282,000 | | | \$0 \$14,282,000 | 1 - | \$2,142,000 | | \$12,139,700 | |
| | ickenson Road Extension | Southcote Road | Smith Road | 2019-2022 | 4u | 0.42 | \$3,195,328 | \$3,195,328 | \$3,195,000 | | | \$3,195,000 | | \$2,142,000 | 1 | \$3,195,000 | |
| 18 D | ickenson Road Extension | Southcote Road | Smith Road | 2032-2041 | 4u-6u | 0.42 | \$2,435,151 | \$2,435,151 | \$2,435,000 | 100% | 0% | \$0 | 15 | \$0 | 85 | \$0 | \$1 |
| | ickenson Road Extension | Smith Road | Glancaster Road | 2023-2031 | 4u | 0.80 4.44 | \$6,148,659 | \$6,148,659 | \$6,149,000 | | | \$6,149,000 | | \$2,088,000 | | \$6,149,000 | |
| | arner Road* arth Street extension (oversizing) | Fiddler's Green Road Twenty Road | Glancaster Road Dickenson Road | 2023-2031 2023-2031 | 2r-4u 5u | 1.50 | \$19,155,091 \$2,391,418 | \$19,920,091 \$2,391,418 | \$19,920,000 \$2,391,000 | 0% | | \$19,920,000 \$2,391,000 | | \$2,988,000 | | \$16,932,000 \$2,391,000 | |
| | arth Street extension (oversizing) arth Street extension (oversizing) | Dickenson Road | Collector 2E | 2023-2031 | 5u | 0.62 | \$1,358,847 | \$1,358,847 | \$1,359,000 | 0% | 0% | \$1,359,000 | 0 | \$0 | 100 | \$1,359,000 | |
| | lancaster Road | Collector 1N | Airport Boundary | 2032-2041 | 2r-2u | 0.49 | \$2,019,486 | \$2,019,486 | \$2,019,000 | | | \$0 | | \$0 | | \$0 | |
| | lancaster Road lancaster Road | Dickenson Road Extension Garner Road | Collector 1N Dickenson Road | 2032-2041 | 2r-4u 2r-4u | 0.37 2.46 | \$2,425,891 \$16,497,032 | \$2,425,891 \$16,843,832 | \$2,426,000 \$16,844,000 | | | \$16,844,000 | | \$2,527,000 | | \$14,317,400 | |
| | nith Road* | Dickenson Road extension | Collector 1N | 2023-2031 | 2r-4u 2r-4u | 0.65 | \$3,289,803 | \$4,054,803 | \$4,055,000 | | | \$16,844,000 | | \$2,527,000 | | \$14,317,400 | |
| 27 Sr | nith Road (except Hydro Corridor) | Garner Road | Dickenson Road extension | 2032-2041 | 2u | 1.57 | \$9,919,476 | \$9,919,476 | \$9,919,000 | 100% | 0% | \$0 | 0 | \$0 | 100 | \$0 | \$1 |
| | mith Road | Collector 1N | Airport Boundary | 2032-2041 | 2r-2u | 0.35 | \$1,919,134 | \$1,919,134 | \$1,919,000 | | | \$0 | | \$0 | | \$0 \$0 | |
| | mith Road extension puthcote Road* | Hydro corridor north crossing Garner | Twenty Road extension | 2032-2041 2019-2022 | 2u 2r-4u | 0.26 0.97 | \$1,037,292 \$8,541,030 | \$1,037,292 \$9,306,030 | \$1,037,000 \$9,306,000 | | | \$0,306,000 \$9,306,000 | | \$1,396,000 | | \$7,910,100 | |
| | outhcote Road | Twenty Road extension | Book Road | 2023-2031 | 2r-4u | 0.97 | \$8,541,030 | \$8,541,030 | \$8,541,000 | | | \$8,541,000 | | \$1,281,000 | | \$7,259,850 | |
| | wenty Road | Glancaster Road | Aldercrest Avenue | 2023-2031 | 2r-4u | 3.08 | \$17,406,254 | \$17,825,879 | \$17,826,000 | | | \$17,826,000 | | \$2,674,000 | | \$15,152,100 | |
| | wenty Road extension | Southcote Road | Glancaster Road | 2023-2031 | 4u 2r-4u | 1.86 6.07 | \$14,295,632 | \$14,295,632 | \$14,296,000 | | | \$14,296,000 | | \$0 | | \$14,296,000 | |
| | ddler's Green Road lancaster Road* | Garner Road Butter Road | Carluke Road Highway 6 | 2032-2041 | | 1.40 | \$38,116,078 \$12,444,810 | \$38,881,078 \$13,209,810 | \$38,881,000 \$13,210,000 | | | \$0 \$0 | | \$0 \$0 | | \$0 \$0 | |
| | lancaster Road | Highway 6 | White Church Road | 2032-2041 | 2r-4u | 0.89 | \$7,911,343 | \$7,911,343 | \$7,911,000 | | | \$0 | | \$0 | | \$0 | |
| | outhcote Road | Book Road | Collector 1N | 2023-2031 | 2r-4u | 0.65 | \$4,209,554 | \$4,209,554 | \$4,210,000 | | | \$0 | | \$0 | | \$0 | |
| | puthcote Road pper James Street | Airport Boundary Alderlea Avenue | Butter Road Homestead Drive | 2032-2041 | 2r-2u 4u-6u | 0.81 3.67 | \$3,089,518 \$30,928,776 | \$3,854,518 \$30,928,776 | \$3,855,000 \$30,929,000 | | | \$0,929,000 \$30,929,000 | | \$4,639,000 | | \$26,289,650 | Ψ, |
| | /hite Church Road | Glancaster Road | Highway 6 | 2032-2041 | 2r-4u | 2.31 | \$18,885,573 | \$19,650,573 | \$19,651,000 | | | \$30,323,000 | | \$4,033,000 | 85 | \$20,283,030 | \$20,230,000 |
| 41 U | pper James Street* | Homestead | Highway 6 | 2023-2031 | 4r-5u_NBR | 2.78 | \$12,394,849 | \$12,394,849 | \$12,395,000 | 0% | 0% | \$12,395,000 | 15 | \$1,859,000 | 85 | \$10,535,750 | \$10,536,00 |
| | outh Mountain Area Transportation Study Projects | | | | | | | | | | | | | | | | |
| | | Rymal Road | Stone Church Road | 2025 | 2r-3u | 1.00 | \$3,096,000 | \$3,096,000 | \$3,096,000 | | | | | \$1,238,000 | | \$1,857,600 | |
| | ymal Road ymal Road | Glancaster Road Fletcher Road | Garth Street Upper Centenial | 2019-2022 2020 | 2r-5u 2r-5u | 1.30 2.49 | \$7,992,628 \$15,717,000 | \$7,992,628 \$15,717,000 | \$7,993,000 \$15,717,000 | | | \$7,993,000 \$15,717,000 | | \$1,199,000 \$2,358,000 | | \$6,794,050 \$13,359,450 | |
| | ymal Road* | Upper Wentworth | West of Dartnall | 2019-2022 | 2r-5u | 3.29 | \$22,520,288 | \$22,520,288 | \$22,520,000 | | | \$22,520,000 | | \$3,378,000 | | \$19,142,000 | |
| | ymal Road | Upper James Street | Upper Wellington Street | 2026 | 2r-5u | 0.87 | \$4,623,600 | \$4,623,600 | \$4,624,000 | | | \$4,624,000 | | \$694,000 | | \$3,930,400 | |
| | ymal Road | Upper Wellington Street | Upper Wentworth Street | 2030 | 2r-5u | 0.86 | \$4,664,400 | \$4,664,400 | \$4,664,000 | 0% | 0% | \$4,664,000 | 15 | \$700,000 | 85 | \$3,964,400 | \$3,964,00 |
| | coney Creek Urban Boundary Expansion Projects rvin Avenue | McNeilly | Lewis Road | 2023-2031 | 2i | 0.80 | \$3.651.705 | \$3,651,705 | \$3,652,000 | 0% | 0% | \$3.652.000 | n | \$0 | 100 | \$3,652,000 | \$3,652,000 |
| | | Jones Road | Existing east end | 2023-2031 | 2i | 0.50 | \$2,563,566 | \$2,563,566 | \$2,564,000 | | | \$2,564,000 | | \$0 | | \$2,564,000 | |
| 50 A | rvin Avenue | McNeilly | Existing west end | 2019-2022 | 2i | 0.40 | \$2,200,853 | \$2,200,853 | \$2,201,000 | 0% | 0% | \$2,201,000 | 0 | \$0 | 100 | \$2,201,000 | \$2,201,00 |
| | ruitland Road IcNeilly Road* | Highway 8 | Barton Street Barton Street | 2023-2031 | 2r-4u 2r-4u | 1.05 0.89 | \$8,206,540 \$6,032,339 | \$8,206,540 \$6,797,339 | \$8,207,000 \$6,797,000 | | | \$8,207,000 | | \$1,231,000 | | \$6,975,950 | |
| | , | Highway 8 Highway 8 | Barton Street | 2023-2031 | 2r-4u 2r-4u | 0.89 | \$6,032,339 | \$6,797,339 | \$6,797,000 | | | \$6,797,000 \$4,290,000 | | \$1,020,000 \$644,000 | | \$5,777,450 \$3,646,500 | |
| 54 G | lover Road* | Highway 8 | Barton Street | 2023-2031 | 2r-4u | 0.82 | \$5,557,886 | \$6,322,886 | \$6,323,000 | 0% | 0% | \$6,323,000 | 15 | \$948,000 | 85 | \$5,374,550 | \$5,375,00 |
| | | Highway 8 | Barton Street | 2023-2031 | 2r-4u | 0.93 | \$6,303,456 | \$7,068,456 | \$7,068,000 | 0% | 0% | \$7,068,000 | 15 | \$1,060,000 | 85 | \$6,007,800 | \$6,008,00 |
| | ncaster Industrial Park and Transportation Master Plan Projects | Eddlede Cook Bank | LUSA ANTIA ANTIA | 2040 2222 | 2.4 | 2.52 | A20.222.22.1 | 620 227 71 | 422.222. | | | 422.222 | J | 42.224.555 | | A | A |
| | | Fiddler's Green Road McNiven Road | Highway 2/Wilson Street Kitty Murray Lane | 2019-2022 | 2r-4u 2r-3u | 3.50 0.80 | \$20,207,784 \$3,881,400 | \$20,207,784 \$4,646,400 | \$20,208,000 \$4,646,000 | | | \$20,208,000 \$4,646,000 | | \$3,031,000 \$697,000 | | \$17,176,800 \$3,949,100 | |
| | rseyville Road | Shaver Road | Wilson Street | 2023-2031 | 2r-3u 2r-3u | 3.10 | \$15,672,599 | \$16,437,599 | \$16,438,000 | | | \$16,438,000 | | \$6,575,000 | | \$9,862,800 | |
| 59 Sp | oringbrook Avenue | Regan Drive | Garner Road | 2020 | 2r-2u | 0.69 | \$3,096,000 | \$3,096,000 | \$3,096,000 | 0% | 0% | \$3,096,000 | 15 | \$464,000 | 85 | \$2,631,600 | \$2,632,00 |
| | | 1km south of Wilson Trustwood | Highway 403 Garner Road | 2019-2022 | 2r-4u 2r-2i | 2.20 1.00 | \$12,219,893 \$4,075,200 | \$12,984,893 \$4,840,200 | \$12,985,000 \$4,840,000 | | | \$12,985,000 \$4,840,000 | | \$1,948,000 | | \$11,037,250 | |
| | naver Road | Highway 403 | Wilson Street | 2019-2022 | 2r-2u 2r-2u | 1.50 | \$4,075,200 | \$4,840,200 | \$4,840,000 | | | \$4,840,000 | | \$726,000 \$928,000 | | \$4,114,000 \$5,260,650 | |
| 63 Sc | outhcote Road | Calder Street | Garner Road | 2022 | 2r-3u | 1.26 | \$5,871,000 | \$5,871,000 | \$5,871,000 | 0% | 0% | \$5,871,000 | 40 | \$2,348,000 | 60 | \$3,522,600 | \$3,523,00 |
| | | Rousseaux Street | Golf Links Road | 2028 | 2r-3u | 0.63 | \$3,218,400 | \$3,218,400 | \$3,218,000 | 0% | | \$3,218,000 | 80 | \$2,574,000 | | \$643,600 | \$644,00 |
| | lohawk Road one Church Road | McNiven Road Harrogate Drive | Highway 403 Stonehenge Drive | 2019-2022 | 2r-3u 2r-4u | 1.30 0.34 | \$7,656,000 \$2,348,756 | \$7,656,000 \$3,113,756 | \$7,656,000 \$3,114,000 | | | \$7,656,000 \$3,114,000 | | \$3,062,000 \$467,000 | | \$4,593,600 \$2,646,900 | |
| | ed Hill Business Park Projects | Ogute DINE | jotonichienge Drive | 2023-2031 | 21 70 | 5.54 | ا 40,730 | 75,113,730 | Ç3,114,000 | . 070 | U70 | 73,114,000 | , 13 | , ,-+07,000 | ., 00 | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 72,047,000 |
| | · | Twenty Road | Dickenson Road | 2022 | 2i | 1.65 | \$4,988,400 | \$4,988,400 | \$4,988,000 | 0% | 0% | \$4,988,000 | 0 | \$0 | 100 | \$4,988,000 | \$4,988,00 |
| 68 Di | ickenson Road | west of Nebo | west of Glover | 2023-2031 | 2r-2i | 1.10 | \$5,584,800 | \$5,584,800 | \$5,585,000 | 0% | 0% | \$5,585,000 | 40 | \$2,234,000 | 60 | \$3,351,000 | \$3,351,00 |
| | ickenson Road East* | Upper James Street | west of Nebo Road | 2023-2031 | 2r-2u | 4.60 | \$17,598,305 | \$18,170,305 | \$18,170,000 | | | \$18,170,000 | | \$7,268,000 | | \$10,902,000 | |
| | ebo Road ebo Road* | Rymal Road 800m South of Twenty Road | Twenty Road Dickenson Road | 2020 2019-2022 | 2r-2i 2r-2i | 1.30 0.60 | \$5,870,400 \$2,883,937 | \$5,870,400 \$3,648,937 | \$5,870,000 \$3,649,000 | | | \$5,870,000 \$3,649,000 | | \$881,000 \$547,000 | | \$4,989,500 \$3,101,650 | |
| | egional Road 56 | Rymal Road | ROPA 9 Boundary | 2019 | 2r-5u | 1.20 | \$8,586,600 | \$8,586,600 | \$8,587,000 | | | \$8,587,000 | | \$1,288,000 | | \$7,298,950 | |
| 73 R | egional Road 56* | Cemetery Road | South Limits of ROPA 9 | 2023-2031 | 2r-5u | 4.56 | \$11,867,360 | \$11,867,360 | \$11,867,000 | 0% | | \$11,867,000 | 15 | \$1,780,000 | 85 | \$10,086,950 | \$10,087,00 |
| | wenty Road extension | Glover Road | Upper Red Hill Valley Parkway | 2023-2031 | 3i | 0.60 | \$3,077,141 | \$3,077,141 | \$3,077,000 | | | \$3,077,000 | | \$1,410,000 | 100 | \$3,077,000 | |
| | lover Road pper Red Hill Valley Parkway | Twenty Road Rymal Road | Rymal Road Twenty Road | 2023-2031 2023-2031 | 2r-2i 5u | 2.60 1.23 | \$9,399,600 \$10,054,739 | \$9,399,600 \$10,374,739 | \$9,400,000 \$10,375,000 | | | \$9,400,000 \$10,375,000 | | \$1,410,000 | | \$7,990,000 \$10,375,000 | |

| Itam | | | | Estimated | | | Gross Capital | Gross Capital | Grass Canital Cost | Doct Davied | Davelanar | Net Capital | Ponofit to | Panafit to | Panafit ta | Popofit to Growth | Panafit to Crouth |
|-----------|---|--|---|------------------------|--------------------------------------|--------------|-----------------------------|-------------------------------|------------------------------|------------------------|-----------------------------|------------------------------------|----------------------------|-----------------------------|--------------------------|---|--|
| Item # | Project Name | From | То | Estimated Timing | Improvement Type | Length | Cost Estimate 2019\$ | Cost including E.A. 2019\$ | Gross Capital Cost 2019\$ | Post Period Benefit | Developer Responsibility | Estimate After Deduction 2019\$ | Benefit to Existing (%) | Benefit to Existing (\$) | Benefit to Growth (%) | Benefit to Growth (\$) | Benefit to Growth (\$) |
| , | /aterdown Projects | | | | | L | | | | | | | | | | | |
| | · | Skinner Road | Mountain Brow | 2023-2031 | 4u | 0.47 | \$3,183,280 | \$3,948,280 | \$3,948,000 | 0% | 0% | \$3,948,000 | 5 | \$197,000 | 95 | \$3,750,600 | \$3,751,000 |
| | arkside Drive | Highway 6 | Hollybush Drive | 2023-2031 | | 1.10 | \$6,297,446 | \$6,297,446 | \$6,297,000 | | | | | \$2,519,000 | | \$3,778,200 | |
| | | Main Street | Churchill (500 m east) | 2023-2031 | | 0.61 | \$4,748,800 | \$4,748,800 | \$4,749,000 | | | | | \$1,900,000 | | \$2,849,400 | |
| | W Road Corridor (Waterdown By-Pass) | Dundas Street | Highway 6 | 2019-2022 | | 6.29 | \$52,207,200 | \$52,207,200 | \$52,207,000 | | | | | \$2,610,000 | | \$49,596,650 | |
| | /aterdown Road (Burlington) Iountain Brow Road | Mountain Brow Road Waterdown Road | Craven Avenue New N-S Link (Burke Street) | 2019 2019-2022 | | 1.90 0.91 | \$24,720,000 \$7,654,024 | \$24,720,000 \$7,654,024 | \$24,720,000 \$7,654,000 | 0% | | | | \$1,148,000 | 100 | \$24,720,000 \$6,505,900 | · · · · · |
| | | New north-south link | Hamilton Boundary | 2023-2031 | | 0.87 | \$8,038,597 | \$8,038,597 | \$8,039,000 | | | | | \$1,206,000 | | \$6,833,150 | |
| | | Northlawn | Parkside Drive | 2019-2022 | | 0.40 | \$2,433,561 | \$2,433,561 | \$2,434,000 | | | | | \$974,000 | | \$1,460,400 | |
| F | ruitland Winona Projects | | | | | | | | | | | | | | | | |
| | | Fruitland Road | Fifty Road | 2026 | | 5.00 | \$24,938,400 | \$24,938,400 | \$24,938,000 | | | | | \$9,975,000 | | \$14,962,800 | |
| | fty Road | Q.E.W (South Service Road) | Highway 8 | 2023-2031 | | 0.80 | \$4,511,779 | \$5,276,779 | \$5,277,000 | 0% | | | | \$792,000 | | \$4,485,450 | |
| | ruitland Road By-pass ruitland Road | Barton Street Arvin Avenue | Highway 8 Barton Street | 2019 2023-2031 | | 1.10 0.30 | \$8,760,600 \$2,245,285 | \$8,760,600 \$3,010,285 | \$8,761,000 \$3,010,000 | 0% 0% | | \$8,761,000 \$3,010,000 | 15 15 | \$1,314,000 \$452,000 | | \$7,446,850 \$2,558,500 | |
| | ighway 8 (Stoney Creek)* | Dewitt Road | Fruitland Road | 2023-2031 | | 0.80 | \$6,534,000 | \$6,534,000 | \$6,534,000 | | | | | \$2,614,000 | | \$3,920,400 | |
| | | Fruitland Road | East City Limit | 2023-2031 | 2r-4r_NBR | 6.18 | \$20,673,968 | \$20,673,968 | \$20,674,000 | 0% | 0% | \$20,674,000 | 40 | \$8,270,000 | 60 | \$12,404,400 | \$12,404,000 |
| | frida Boundary Expansion Projects | | | | | | | | | | | | | | | | |
| | | Highway 20 | Mud Street | 2023-2031 | | 2.10 | \$11,463,696 | \$12,228,696 | \$12,229,000 | | | | | \$624,000 | | \$3,534,300 | |
| | rst Road East (oversizing) | Highway 20 500m South of Rymal | Golf Club Road | 2023-2031 | | 2.21 1.60 | \$3,224,515 | \$3,224,515 | \$3,225,000 | | | | | \$516,000 | | \$1,096,000 | |
| | etcher Road* olf Club Road | Trinity Church Road | Golf Club Road Hendershot Road | 2023-2031 | | 7.00 | \$9,359,245 \$29,030,030 | \$10,124,245 \$29,795,030 | \$10,124,000 \$29,795,000 | | | | | \$516,000 \$1,520,000 | | \$2,925,700 \$8,610,500 | |
| | endershot Road | Highway 20 | Golf Club Road | 2023-2031 | | 2.10 | \$9,963,696 | \$10,728,696 | \$10,729,000 | | | | | \$547,000 | | \$3,100,800 | |
| | ighland Road | Upper Centennial Parkway | Second Road East | 2023-2031 | 2r-3u | 2.00 | \$9,542,806 | \$10,307,806 | \$10,308,000 | 66% | 0% | \$3,505,000 | 15 | \$526,000 | 85 | \$2,979,250 | \$2,979,000 |
| | lud Street | Upper Centennial Parkway | Second Road East | 2023-2031 | | 2.00 | \$8,401,437 | \$9,166,437 | \$9,166,000 | | | | | \$468,000 | | \$2,649,450 | |
| | econd Road East rinity Church Road* | Highway 20 Hydro corridor | Mud Street Golf Club Road | 2023-2031 2023-2031 | | 3.00 2.00 | \$14,501,709 \$8,776,437 | \$15,266,709 \$9,541,437 | \$15,267,000 \$9,541,000 | 66% 66% | | | | \$779,000 \$487,000 | | \$4,412,350 \$2,757,400 | |
| | pper Centennial Parkway | Green Mountain Road | Highway 20 | 2023-2031 | | 2.90 | \$19,346,099 | \$9,541,437 | \$20,111,000 | | | | | \$1,026,000 | | \$5,812,300 | |
| | ther Road Projects | | | | | | , | 2, 22,535 | ,,, | | | , :,:::,::00 | | . , , = 2,300 | | , | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| 101 E | inbrook Road | Royal Winter Dr/Binhaven Rd | Fletcher Road | 2019 | 2r-3u | 0.70 | \$6,840,000 | \$6,840,000 | \$6,840,000 | 0% | 0% | \$6,840,000 | 15 | \$1,026,000 | 85 | \$5,814,000 | \$5,814,000 |
| 102 H | ighway 8 (Dundas) | Bond Street | Dundas Limits | 2023-2031 | | 0.40 | \$2,433,561 | \$3,198,561 | \$3,199,000 | | | | | \$1,280,000 | | \$1,919,400 | |
| | ighway 8 (Dundas) | Hillcrest | Park Ave | 2020 | | 0.60 | \$2,565,600 | \$2,565,600 | \$2,566,000 | 0% | | | | \$1,026,000 | | \$1,539,600 | |
| | ones Road ewis Road | Barton Street Barton Street | South Service Road South Service Road | 2023-2031 2023-2031 | | 0.90 | \$3,738,600 \$3,402,000 | \$3,738,600 \$3,402,000 | \$3,739,000 \$3,402,000 | | | | | \$1,870,000 \$1,701,000 | | \$1,869,500 \$1,701,000 | |
| | ongwood Road | Aberdeen Avenue | Main Street | 2023-2031 | | 0.65 | \$4,796,400 | \$5,561,400 | \$5,561,000 | | | | | \$2,781,000 | | \$2,780,500 | |
| | liles Road | Rymal Road | Hydro Corridor | 2023-2031 | | 2.00 | \$10,004,400 | \$10,769,400 | \$10,769,000 | | | | | \$1,615,000 | | \$9,153,650 | |
| | lillen Road | Barton Street | South Service Road | 2023-2031 | | 1.00 | \$5,353,200 | \$6,118,200 | \$6,118,000 | 0% | | | 40 | \$2,447,000 | 60 | \$3,670,800 | |
| | etcher Road | Binbrook Road | Golf Club Road | 2023-2031 | | 4.20 1.70 | \$17,568,018 | \$17,568,018 | \$17,568,000 | | | | | \$7,027,000 | | \$10,540,800 | |
| | outh Service Road rinity Church Road | Millen Road Binbrook Road | Gray Golf Club Road | 2023-2031 2023-2031 | 2r-2u 2r-2u | 5.20 | \$7,253,722 \$9,032,400 | \$8,018,722 \$9,032,400 | \$8,019,000 \$9,032,000 | | | | | \$1,203,000 \$3,613,000 | | \$6,816,150 \$5,419,200 | |
| | wenty Road | Aldercrest Avenue | 600m west of Nebo Road | 2023-2031 | | 4.10 | \$16,290,000 | \$16,290,000 | \$16,290,000 | 0% | | | | \$6,516,000 | | \$9,774,000 | |
| | pper Gage Street | Mohawk Road | Thorley | 2023-2031 | | 0.60 | \$4,516,176 | \$5,281,176 | \$5,281,000 | 0% | | | 50 | \$2,641,000 | | \$2,640,500 | |
| | pper Wellington Street | Limeridge Street | Stone Church Road | 2019-2022 | | 1.20 | \$8,584,527 | \$9,349,527 | \$9,350,000 | 0% | | | | \$3,740,000 | | \$5,610,000 | |
| | naver Road cenic Drive | Highway 403 Lavender Drive (south leg) | Wilson Street Old City Limits | 2019-2022 2019-2022 | | 1.50 | \$6,188,578 \$5,806,006 | \$6,188,578 \$6,571,006 | \$6,189,000 \$6,571,000 | | | | | \$928,000 | | \$5,260,650 \$3,942,600 | |
| | orth Service Road | Green Road | East City Limits | 2019-2022 | Intersection | 1.40 | \$2,248,000 | \$3,013,000 | \$3,013,000 | 0% | | | | \$2,628,000 | | \$3,942,600 | |
| | ictoria Avenue | Ferrie Street | Burlington Street | 2019 | | 0.46 | \$459,000 | \$1,224,000 | \$1,224,000 | 0% | | | | \$184,000 | | \$1,040,400 | |
| | wy 5/6 municipal roads (City portion) | | | 2019-2022 | Service Roads | | \$22,980,640 | \$22,980,640 | \$22,981,000 | | | | | \$0 | | \$22,981,000 | |
| | ost Period Benefit Deduction | | | 2019-2031 | | | | | | 100% | | -\$175,000,000 | 0 | \$0 | 100 | | -\$175,000,000 |
| | lajor Structures | | | 2040 2022 | Ct at at | Т | 647.524.400 | ¢40.200.400 | ¢40.200.000 | 00/ | 00/ | ¢40.200.000 | 0 | 1 ** | 100 | Ć40 200 000 | ¢40,200,000 |
| | wy 5/6 interchange trathcona Pedestrian Bridge | | | 2019-2022 2027 | Structure Structure | | \$17,534,400 \$6,836,000 | \$18,299,400 \$7,601,000 | \$18,299,000 \$7,601,000 | | | \$18,299,000 \$7,601,000 | 4.5 | \$1,140,000 | | \$18,299,000 \$6,460,850 | 4 |
| | fty Road | Grade Separation | | 2029 | Structure | | \$25,000,000 | \$25,765,000 | | | | | | \$3,221,000 | | \$9,662,250 | |
| | | Grade Separation | | 2024-2031 | Structure | | \$25,000,000 | \$25,765,000 | \$25,765,000 | 50% | | \$12,883,000 | | \$3,221,000 | 75 | \$9,662,250 | \$9,662,000 |
| | lohawk Road | | | 2019-2022 | Hwy 403 WB on-ramp | | \$3,934,000 | \$3,934,000 | \$3,934,000 | 0% | 0% | \$3,934,000 | 50 | \$1,967,000 | 50 | \$1,967,000 | \$1,967,000 |
| | rograms | | | 2046 2024 | C'L WELL 5 | - | A44 700 05-1 | A44 =00 0==1 | A44 700 | | | A44 700 | | 4=0= === | d 6= | A | A |
| | ntersection Pedestrian Signal raffic Count Program | | | 2019-2031 2019-2031 | City-Wide Program City-Wide Program | | \$11,700,000 \$2,000,000 | \$11,700,000 \$2,000,000 | \$11,700,000 \$2,000,000 | | | | | \$585,000 \$100,000 | | \$11,115,000 \$1,900,000 | |
| | eotechnical Investigation Program | | | 2019-2031 | City-Wide Program City-Wide Program | | \$2,000,000 | \$2,000,000 | | | | | | \$7,735,000 | | \$1,900,000 | |
| 129 | lapping Update Program | | | 2019-2031 | City-Wide Program | | \$305,000 | \$305,000 | \$305,000 | 0% | 0% | \$305,000 | 5 | \$15,000 | 95 | \$289,750 | \$290,000 |
| | ctive Transportation Benchmarking | | | 2019-2031 | City-Wide Program | | \$390,000 | \$390,000 | | | | | | \$20,000 | | \$370,500 | |
| | evelopment Road Urbanization creet Lighting Enhancement Program | | | 2019-2031 | City-Wide Program City-Wide Program | | \$6,500,000 \$3,250,000 | \$6,500,000 \$3,250,000 | | | | | | \$325,000 | | \$6,175,000 | |
| | reet Lighting Enhancement Program edestrian Crossovers | | | 2019-2031 2019-2031 | City-Wide Program City-Wide Program | | \$3,250,000 | \$3,250,000 | | | | | | \$163,000 \$45,000 | | \$3,087,500 \$855,000 | |
| | dvanced Traffic Management Systems | | | 2019-2031 | City-Wide Program | | \$14,390,000 | \$14,390,000 | | | | | | \$10,793,000 | | \$3,597,500 | |
| 135 E | cpress Bus (L.A.S.T. Line) Enhanced Passenger Amenities | | | 2019-2031 | City-Wide Program | | \$8,010,000 | \$8,010,000 | | | | | | \$4,005,000 | 50 | \$4,005,000 | |
| | liscellaneous Land Acquisitions | | | 2019-2031 | City-Wide Program | | \$5,000,000 | \$5,000,000 | | | | | | \$250,000 | | \$4,750,000 | |
| | ransit Shelter Expansion Program us Stop Shelter Rebabilition Program | | | 2019-2031 2019-2031 | City-Wide Program City-Wide Program | | \$1,950,000 \$1,625,000 | \$1,950,000 \$1,625,000 | \$1,950,000 \$1,625,000 | | | | | \$975,000 \$1,381,000 | | \$975,000 \$243,750 | |
| | ordon Count Program | | | 2019-2031 | City-Wide Program | | \$330,000 | \$330,000 | | | | | | \$1,381,000 | | \$313,500 | |
| 140 | ew Sidewalk Program | | | 2019-2031 | City-Wide Program | | \$6,500,000 | \$6,500,000 | \$6,500,000 | 0% | 0% | \$6,500,000 | 5 | \$325,000 | 95 | \$6,175,000 | \$6,175,000 |
| | ew Traffic Signals | | | 2020-2031 | City-Wide Program | | \$12,000,000 | \$12,000,000 | \$12,000,000 | | | | | \$600,000 | | \$11,400,000 | |
| | ew Traffic Signal - Waterdown Road/Mill St at Mountain Brow | | | 2019 | Traffic Signal | | \$250,000 | \$250,000 | | | | | | \$13,000 | | \$237,500 | |
| | ew Traffic Signal - Rymal Road west of Walmart Access ew Traffic Signal - Regional Road 56 at Dalgliesh Road | | | 2019 2019 | Traffic Signal Traffic Signal | | \$100,000 \$250,000 | \$100,000 \$250,000 | | | | | | \$5,000 \$13,000 | | \$95,000 \$237,500 | |
| | ew Traffic Signal - Regional Road 30 at Daignesh Road ew Traffic Signal - Rymal at Canadian Tire Access | | | 2019 | Traffic Signal | | \$200,000 | \$200,000 | | | | | | \$10,000 | | \$190,000 | |
| 146 | ew Traffic Signal - Rymal (opposite Celestial Crescent) | | | 2019 | Traffic Signal | | \$100,000 | \$100,000 | \$100,000 | 0% | 0% | \$100,000 | 5 | \$5,000 | 95 | \$95,000 | \$95,000 |
| | ew Traffic Signal - Drakes at North Service Road | | | 2019 | Traffic Signal | | \$350,000 | \$350,000 | | | | | | \$18,000 | | \$332,500 | |
| | ew Traffic Signal -Fifty at North Service Road nidentified intersection improvements (excluding Traffic Signals) | | | 2019 2019-2031 | Traffic Signal City-Wide Program | | \$350,000 \$3,250,000 | \$350,000 \$3,250,000 | | | | | | \$18,000 \$163,000 | | \$332,500 \$3,087,500 | |
| | nidentified intersection improvements (excluding Traffic Signals) nnual A and B Line Enhanced Bus Stops & Shelters | I | I. | 2019-2031 | City-Wide Program City-Wide Program | - | \$3,250,000 | \$3,250,000 | \$3,250,000 | | | | | \$163,000 | | \$3,087,500 | |
| | nnual Express Bus/Rapid Transit Enhanced Bus Stops & Shelters | | | 2019-2031 | City-Wide Program | | \$5,054,403 | \$5,054,403 | \$5,054,000 | | | | | \$2,527,000 | | \$2,527,000 | |

| Item | Project Name | From | То | Estimated | Improvement Type | Length | Gross Capital Cost Estimate | Gross Capital Cost including | Gross Capital Cost | Post Period | Developer | Net Capital Estimate After | Benefit to | Benefit to | Benefit to | Benefit to Growth | Benefit to Growth |
|----------------|--|---------------------------------------|--------------------------------------|------------------------|-------------------------------------|--------------|--------------------------------|---------------------------------|--------------------------|-------------|----------------|-------------------------------|--------------|-------------------------|------------|-------------------------|-------------------------|
| # | 1 Tojett Name | 110 | | Timing | improvement Type | Length | 2019\$ | E.A. 2019\$ | 2019\$ | Benefit | Responsibility | Deduction 2019\$ | Existing (%) | Existing (\$) | Growth (%) | (\$) | (\$) |
| | Annual Transit Priority Measures Annual Bike Parking at B/A Line Stops | | | 2019-2031 2019-2031 | City-Wide Program City-Wide Program | | \$17,472,130 \$45,972 | \$17,472,130 \$45,972 | \$17,472,000 \$46,000 | 0% | | \$17,472,000 \$46,000 | 50 | \$8,736,000 \$23,000 | 50 50 | \$8,736,000 \$23,000 | \$8,736,000 \$23,000 |
| _ | Annual Enahnced Bike Parking at Express Bus/Rapid Transit Stops | | | 2019-2031 | City-Wide Program | | \$275,155 | \$275,155 | \$275,000 | | | | | \$138,000 | 50 | \$137,500 | |
| | Fransportation Demand Management | | | 2019-2031 | City-Wide Program | | \$2,000,000 | \$2,000,000 | \$2,000,000 | 0% | 0% | \$2,000,000 | 50 | \$1,000,000 | 50 | \$1,000,000 | \$1,000,000 |
| | Studies Complete and Liveable Streets Guidelines | | | 2019-2022 | Study | 1 1 | \$250,000 | \$250,000 | \$250,000 | 0% | 0% | \$250,000 | 0 | \$0 | 100 | \$250,000 | \$250,000 |
| | Cycling Master Plan Review | | | 2013-2022 | Study | | \$200,000 | \$200,000 | \$200,000 | | | | | \$0 | 100 | \$200,000 | \$200,000 |
| | E.M.M.E Model Management | | | 2019-2031 | Monitoring | | \$1,040,000 | \$1,040,000 | \$1,040,000 | | | | | \$0 | 100 | \$1,040,000 | \$1,040,000 |
| | Goods Movement Study Review and Update ntelligent Transportation System Strategy | | | 2019-2022 2019-2022 | Study Study | | \$150,000 \$250,000 | \$150,000 \$250,000 | \$150,000 \$250,000 | | | | | \$0 \$0 | 100 100 | \$150,000 \$250,000 | \$150,000 \$250,000 |
| | Lincoln Alexander and Red Hill Valley Parkway Widening Feasibility Study | | | 2019-2022 | Study | | \$500,000 | \$500,000 | \$500,000 | | | | | \$0 | | \$500,000 | \$500,000 |
| | Multi-modal Level of Service Guidelines | | | 2019-2022 | Study | | \$250,000 | \$250,000 | \$250,000 | | | | | \$0 | 100 | \$250,000 | |
| - | Pedestrian Mobility Plan Review Revenue Tools Study | | | 2023-2031 2019-2022 | Study Study | | \$200,000 \$250,000 | \$200,000 \$250,000 | \$200,000 \$250,000 | | | | | \$0 \$0 | 100 100 | \$200,000 \$250,000 | \$200,000 \$250,000 |
| 165 T | Fransportation Master Plan Review | | | 2023-2031 | Study | | \$250,000 | \$250,000 | \$250,000 | 0% | 0% | \$250,000 | 0 | \$0 | 100 | \$250,000 | \$250,000 |
| | Fruck Route Master Plan Review Escarpment Crossing People Mover Study | | | 2019-2022 2023-2031 | Study Study | | \$250,000 \$200,000 | \$250,000 \$200,000 | \$250,000 \$200,000 | | | | | \$0 \$0 | 100 100 | \$250,000 \$200,000 | |
| | Active Transportation Projects | | | 2023-2031 | Study | | \$200,000 | 3200,000 | \$200,000 | 1 0/6 | 0% | \$200,000 | , 0 | 30 | 100 | \$200,000 | \$200,000 |
| - | Red Hill Pedestrian Crossing | Eugene Street | Glengrove Avenue | 2019-2031 | Pedestrian Crossing | | \$1,750,000 | \$1,750,000 | \$1,750,000 | 30% | 0% | \$1,225,000 | 15 | \$184,000 | 85 | \$1,041,250 | \$1,041,000 |
| | Heritage Green Trail Link | | | 2019-2031 | CommuterTrail | | \$525,000 | \$525,000 | \$525,000 | | | | | \$55,000 | 85 | \$312,800 | |
| | Flamborough Y.M.C.A Trail Link Centre Road Link | | | 2019-2031 2019-2031 | CommuterTrail CommuterTrail | | \$565,000 \$640,000 | \$565,000 \$640,000 | \$565,000 \$640,000 | | | | | \$59,000 \$67,000 | 85 85 | \$336,600 \$380,800 | |
| 172 k | Kerns Road, Waterdown South Link | | | 2019-2031 | Multi-Use Trail | | \$957,000 | \$957,000 | \$957,000 | 30% | 0% | \$670,000 | 15 | \$101,000 | 85 | \$569,500 | \$569,000 |
| 173 H | | MacNab Liberty | Catharine Claremont Access | 2019-2031 | Bike Lane Bike Lane | 0.47 | | \$77,981 \$31,192 | \$78,000 \$31,000 | | | | | \$8,000 \$3,000 | 85 85 | \$46,750 \$18,700 | |
| 174 F | | James | Sherman | 2019-2031 | Bike Lane | 2.55 | \$81,120 | \$81,120 | \$81,000 | | | | | \$9,000 | 85 | \$48,450 | |
| | erguson | Hunter | Charlton | 2019-2031 | Bike Lane | 0.20 | \$2,339 | \$2,339 | \$2,000 | | | | | \$0 | 85 | \$1,700 | |
| 177 k | King over Red Hill Valley Parkway Locke | Lawrence King | Pottruff Hunter | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.50 1.28 | | \$27,293 \$7,993 | \$27,000 \$8,000 | | | | | \$3,000 \$1,000 | 85 85 | \$16,150 \$5,100 | |
| 179 E | Barton | Red Hill Valley | Lake | 2019-2031 | Bike Lane | 1.61 | \$233,943 | \$233,943 | \$234,000 | 30% | 0% | \$164,000 | 15 | \$25,000 | 85 | \$139,400 | \$139,000 |
| 180 V | Wilson in Ancaster | Rousseaux Brockley | Halson Fruitland | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.85 3.95 | \$19,885 \$123,210 | \$19,885 \$123,210 | \$20,000 \$123,000 | | | | | \$2,000 \$13,000 | 85 85 | \$11,900 \$73,100 | |
| 182 | | Industrial | Lawrence | 2019-2031 | Bike Lane | 2.96 | \$115,412 | \$115,412 | \$125,000 | | | | | \$12,000 | 85 | \$68,850 | \$69,000 |
| | Hunter Street - Escarpment Rail Trail Link | Hunter | West 5th at Fennell | 2019-2031 | Multi-Use Trail | 3.50 | \$3,275,212 | \$3,275,212 | \$3,275,000 | | | | | \$344,000 | 85 | \$1,949,050 | |
| | Cannon First Rd W/Whitedeer/Terryberry & Picardy/ Highbury | Sherman Glover Mtn Road/ Ridgeview Dr | Lottridge Rymal/ Bellagio | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.42 4.08 | \$16,493 \$47,666 | \$16,493 \$47,666 | \$16,000 \$48,000 | | | | | \$2,000 \$5,000 | 85 85 | \$10,200 \$28,050 | \$10,000 \$28,000 |
| 186 (| Dlympic Park Twin Pad Arena Link | Chedoke Rail Ttrail | Old Mohawk Road | 2019-2031 | Multi-Use Trail | 1.50 | \$831,000 | \$831,000 | \$831,000 | 30% | 0% | \$582,000 | 15 | \$87,000 | 85 | \$494,700 | \$495,000 |
| | Dundas St Mohawk | Main Old Mohawk | Cootes Upper Paradise | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.68 | | \$15,908 \$46,789 | \$16,000 \$47,000 | | | | | \$2,000 \$5,000 | 85 85 | \$9,350 \$28,050 | |
| 189 H | | Peel | Main | 2019-2031 | Bike Lane | 0.93 | | \$29,009 | \$29,000 | | | | | \$3,000 | 85 | \$17,000 | |
| | Eastport Drive Lift Bridge Link | | | 2019-2031 | Multi-Use Trail | | \$1,750,000 | \$1,750,000 | \$1,750,000 | | | | | \$184,000 | 85 | \$1,041,250 | \$1,041,000 |
| | Beach Bike Lane Beach Boulevard | lift bridge | Van Wagner's | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.24 4.25 | \$7,486 \$93,577 | \$7,486 \$93,577 | \$7,000 \$94,000 | | | | | \$1,000 \$10,000 | 85 85 | \$4,250 \$56,100 | \$4,000 \$56,000 |
| | /an Wagner's | Beach Bike Lane | Centennial Parkway | 2019-2031 | Bike Lane | 2.50 | \$77,981 | \$77,981 | \$78,000 | 30% | 0% | \$55,000 | 15 | \$8,000 | 85 | \$46,750 | |
| 194 N | Montclair/ Central/ Graham/ Frederick | Strathhoarna / Shalby | Red Hill Valley Trail | 2019-2031 2019-2031 | Bike Lane Bike Lane | 3.80 1.90 | \$18,716 \$59,266 | \$18,716 \$59,266 | \$19,000 \$59,000 | | | | | \$2,000 \$6,000 | 85 85 | \$11,050 \$34,850 | |
| | orienta Britania | Strathhearne/ Shelby Cannon | Walter | 2019-2031 | Bike Lane | 0.84 | | \$22,271 | \$22,000 | | | | | \$2,000 | 85 85 | \$13,600 | |
| 197 (| Creighton/ Market | Hatt/ King | Governor's | 2019-2031 | Bike Lane | 0.95 | \$24,954 | \$24,954 | \$25,000 | 30% | 0% | \$17,000 | 15 | \$3,000 | 85 | \$14,450 | \$14,000 |
| | Ogilvie/ Old Ancaster .ongwood | Hatt/ King Franklin | Hamilton-Brantford Rail Ttrail King | 2019-2031 | Bike Lane Bike Lane | 0.80 | \$13,569 \$16,961 | \$13,569 \$16,961 | \$14,000 \$17,000 | | | | | \$1,000 \$2,000 | 85 85 | \$7,650 \$10,200 | |
| | Mountain Brow in Waterdown | Mill | Burke to King Road | 2019-2031 | Multi-Use Trail | 1.20 | \$660,000 | \$660,000 | \$660,000 | | | | | \$69,000 | 85 | \$392,700 | \$393,000 |
| | Golf Links/ Halson | Wilson | Southcote | 2019-2031 | Bike Lane | 1.19 | | \$27,839 | | | | \$19,000 | | \$3,000 | | \$16,150 | |
| | Meadowbrook West 5th | Mohawk College Access | Marlowe | 2019-2031 2019-2031 | Bike Lane Bike Lane | 1.00 1.13 | \$16,224 \$70,495 | \$16,224 \$70,495 | | | 0% 0% | | | \$2,000 \$7,000 | 85 85 | \$9,350 \$41,650 | |
| | imeridge | Garth/ Bonaventure | West 5th/ Hawkridge | 2019-2031 | Bike Lane | 1.37 | | \$53,418 | \$53,000 | 30% | 0% | | 15 | \$6,000 | 85 | \$31,450 | \$31,000 |
| 205 S | Scenic Green Mountain | Chedoke Rail Ttrail First Road W | Upper Paradise First Road E | 2019-2031 | Bike Lane Bike Lane | 2.27 1.50 | | \$26,553 \$292,429 | \$27,000 \$292,000 | | | | | \$3,000 \$31,000 | 85 85 | \$16,150 \$174,250 | |
| 207 V | Nalnut Grove & Sanctuary Park | Walnut Grove/ Ogilvie | Highland Park Dr | 2019-2031 | Multi-Use Trail | 0.40 | \$365,683 | \$365,683 | \$366,000 | 30% | 0% | \$256,000 | 15 | \$38,000 | 85 | \$217,600 | \$218,000 |
| | Scenic/ Denlow Waterdown local streets | Upper Paradise | Garth | 2019-2031 | Bike Lane Bike Lane | 0.95 | | \$11,112 | | | | | | \$1,000 \$8,000 | 85 85 | \$6,800 \$46,750 | |
| | rid/Chatham | Longwood | Dundurn | 2019-2031 2019-2031 | Bike Lane | 1.00 | \$77,981 | \$77,981 \$5,849 | \$78,000 \$6,000 | | | | | \$8,000 | 85 85 | \$46,750 \$3,400 | |
| 211 F | Fiddler's Green | Jerseyville | Wilson | 2019-2031 | Bike Lane | 0.25 | \$5,849 | \$5,849 | \$6,000 | 30% | 0% | \$4,000 | 15 | \$1,000 | 85 | \$3,400 | \$3,000 |
| 212 L 213 E | Jpper Wentworth Barton | Fennell Fruitland | East 24th Fifty | 2019-2031 2019-2031 | Bike Lane Multi-Use Trail | 1.03 5.00 | \$40,160 \$2,646,652 | \$40,160 \$2,646,652 | \$40,000 \$2,647,000 | | | | | \$4,000 \$278,000 | 85 85 | \$23,800 \$1,575,050 | |
| 214 | Queensdale | Upper Sherman | Upper Ottawa | 2019-2031 | Bike Lane | 1.56 | \$36,496 | \$36,496 | \$36,000 | 30% | 0% | \$26,000 | 15 | \$4,000 | 85 | \$22,100 | \$22,000 |
| | Old Mud | Mt Albion | Winterberry | 2019-2031 | Bike Lane | 0.40 | | \$9,357 | \$9,000 | | | | | \$1,000 | 85 | \$5,950 | |
| | Charlton/ John Jpper Wentworth | James Concession | Ferguson & St Joseph's Dr Fennell | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.80 1.03 | \$84,085 \$40,160 | \$84,085 \$40,160 | \$84,000 \$40,000 | | | | | \$9,000 \$4,000 | 85 85 | \$50,150 \$23,800 | |
| 218 V | West Ave | Hunter/ Claremont | Young | 2019-2031 | Bike Lane | 0.36 | \$3,119 | \$3,119 | \$3,000 | 30% | 0% | \$2,000 | 15 | \$0 | 85 | \$1,700 | \$2,000 |
| 219 F 220 N | Frances Nash | Grays Bancroft | east of Green Road King | 2019-2031 2019-2031 | Bike Lane Bike Lane | 1.15 2.58 | \$155,963 \$100,596 | \$155,963 \$100,596 | \$156,000 \$101,000 | | | | | \$16,000 \$11,000 | 85 85 | \$92,650 \$59,500 | |
| | kitty Murray | Daniel OIL | NII S | 2019-2031 | Bike Lane | 2.26 | | \$52,871 | \$53,000 | | | | | \$6,000 | | \$31,450 | |
| | Stonehenge | Dead | Hillerest | 2019-2031 | Bike Lane | 2.46 | | \$57,551 | \$58,000 | | | | | \$6,000 | 85 | \$34,000 | |
| | Highway 8 Queensdale | Bond Upper Wellington | Hillcrest Upper Sherman | 2019-2031 2019-2031 | Paved Shoulder Bike Lane | 1.10 1.68 | \$1,014,000 \$39,303 | \$1,014,000 \$39,303 | \$1,014,000 \$39,000 | | | | | \$107,000 \$4,000 | 85 85 | \$603,500 \$23,800 | |
| 225 N | Meadowlands/ Raymond | Golf Links | Garner | 2019-2031 | Bike Lane | 2.10 | \$48,672 | \$48,672 | \$49,000 | 30% | 0% | \$34,000 | 15 | \$5,000 | 85 | \$28,900 | \$29,000 |
| | Delawana Highway 8 | Kenora Brock | Lake Hillcrest | 2019-2031 2019-2031 | Bike Lane Paved Shoulder | 1.02 0.60 | \$8,889 \$108,160 | \$8,889 \$108,160 | \$9,000 \$108,000 | | | | | \$1,000 \$11,000 | 85 85 | \$5,100 \$64,600 | |
| | Jpper Paradise | Stone Church | Rymal | 2019-2031 | Bike Lane | 1.07 | \$108,160 | \$108,160 | | | | | | \$11,000 | | \$64,600 | |
| 229 E | Sinbrook Road | Regional Road 56 | Southbrook | 2019-2031 | Bike Lane | 0.28 | | \$6,550 | \$7,000 | | | | 15 | \$1,000 | 85 | \$4,250 | \$4,000 |
| | overs Lane Governor's | Sulpher Springs Binkley | Jerseyville Creighton | 2019-2031 | Bike Lane Bike Lane | 0.90 4.92 | | \$21,055 \$652,235 | | | | | | \$2,000 \$69,000 | 85 85 | \$12,750 \$388,450 | |

| Item Project Name # | From | То | Estimated Timing | Improvement Type | Length | Gross Capital Cost Estimate 2019\$ | Gross Capital Cost including E.A. 2019\$ | Gross Capital Cost 2019\$ | Post Period Benefit | Developer Responsibility | Net Capital Estimate After Deduction 2019\$ | Benefit to Existing (%) | Benefit to Existing (\$) | Benefit to Growth (%) | Benefit to Growth (\$) | Benefit to Growth (\$) |
|---|--|--------------------------------------|------------------------|------------------------------------|--------------|--|--|------------------------------|------------------------|-----------------------------|---|----------------------------|-----------------------------|--------------------------|--------------------------|--|
| 232 Stuart Street Rail Link | | | 2019-2031 | Multi-Use Trail | | \$254,424 | \$254,424 | \$254,000 | 30% | 0% | \$178,000 | 15 | \$27,000 | 85 | \$151,300 | \$151,00 |
| 233 Mud Street | Mountain Brow Boulevard | | 2019-2031 | Multi-Use Trail | 0.50 | | \$136,000 | \$136,000 | 30% | | | | \$14,000 | | \$80,750 | |
| 234 William Connell Park Link 235 Upper James | Stone Church Road | Rymal | 2019-2031 | Multi-Use Trail | 0.70 | \$689,459 | \$689,459 | \$689,000 | 30% | | | | \$72,000 \$24,000 | | \$410,550 | |
| 235 Upper James 236 Grays/ Gray | William Connell Park Confederation Park gate | King | 2019-2031 | Multi-Use Trail Bike Lane | 0.38 3.00 | \$225,238 \$116,972 | \$225,238 \$116,972 | \$225,000 \$117,000 | 30% 30% | | | | \$24,000 | | \$134,300 \$69,700 | |
| 237 King in Dundas | Bond | Peel | 2019-2031 | Bike Lane | 0.80 | \$31,192 | \$31,192 | \$31,000 | 30% | | | | \$3,000 | | \$18,700 | |
| 238 Warrington/ South Service/ Lake | Centennial Parkway | Delawana | 2019-2031 | Bike Lane | 2.05 | | \$77,981 | \$78,000 | 30% | | | | \$8,000 | | \$46,750 | |
| 239 Marston | Paramount | Gordon Drummond | 2019-2031 | Bike Lane | 0.40 | \$13,520 | \$13,520 | \$14,000 | 30% | | | | \$1,000 | | \$7,650 | |
| 240 Kenora/ Greenford/ Owen | Bancroft | King | 2019-2031 | Bike Lane | 2.60 | | \$171,559 | \$172,000 | 30% | | | | \$18,000 | | \$102,000 | |
| 241 Centennial Parkway | North Service | GO station/ Kenora | 2019-2031 | Multi-Use Trail | 1.20 | | \$155,963 | \$156,000 | 30% | | | | \$16,000 | | \$92,650 | |
| 242 Victoria 243 Kentley | Barton | Main | 2019-2031 | Bike Lane | 1.04 0.40 | \$40,356 | \$40,356 | \$40,000 | 30% 30% | | | | \$4,000 | | \$23,800 | |
| 244 Whitney | Eugene Main | Kenora Emerson | 2019-2031 2019-2031 | Bike Lane Bike Lane | 1.50 | | \$3,744 \$46,789 | \$4,000 \$47,000 | 30% | | | | \$0 \$5,000 | | \$2,550 \$28,050 | |
| 245 West 5th | Fennell | Mohawk Coll. Access | 2019-2031 | Multi-Use Trail | 0.33 | | \$28,268 | \$28,000 | 30% | | | | \$3,000 | | \$17,000 | |
| 246 Millen | Shoreview | Millen/ Seaman | 2019-2031 | Bike Lane | 0.50 | | \$31,192 | \$31,000 | | | . , | | \$3,000 | | \$18,700 | |
| 247 King in Stoney Creek | Battlefield/ Elm | Gray | 2019-2031 | Bike Lane | 0.74 | \$15,597 | \$15,597 | \$16,000 | 30% | 0% | \$11,000 | 15 | \$2,000 | 85 | \$9,350 | \$9,00 |
| 248 Limeridge | Birchview | Mtn Brow | 2019-2031 | Bike Lane | 1.98 | | \$70,184 | \$70,000 | 30% | | | | \$7,000 | | \$41,650 | |
| 249 Dewitt | Dundee | Ridge | 2019-2031 | Bike Lane | 0.50 | \$750,000 | \$750,000 | \$750,000 | 30% | | | | \$79,000 | | \$446,250 | |
| 250 Claremont Access | Inverness | Main | 2019-2031 | Bike Lane | 1.60 | . , | \$49,908 | \$50,000 | 30% | | . , | | \$5,000 | | \$29,750 | |
| 251 Inverness 252 Burlington Street Link | Upper James | Belvidere Sherman | 2019-2031 | Bike Lane Bike Lane | 0.44 1.88 | \$10,816 \$104,495 | \$10,816 \$104,495 | \$11,000 \$104,000 | 30% 30% | | | | \$1,000 \$11,000 | | \$6,800 \$62,050 | |
| 252 Burlington Street Link 253 Dundas St in Waterdown | Ferguson/ Dock Service Road Highway 6 | Hamilton St | 2019-2031 | Bike Lane | 2.75 | | \$104,495 | \$104,000 | 30% | | | | \$11,000 | | \$76,500 | |
| 254 Hollybush | Parkside | Dundas St | 2019-2031 | Bike Lane | 1.10 | \$15,597 | \$15,597 | \$16,000 | 30% | | | | \$2,000 | | \$9,350 | |
| 255 Greenhill | Summercrest | King | 2019-2031 | Bike Lane | 1.20 | | \$46,789 | \$47,000 | 30% | | | | \$5,000 | | \$28,050 | |
| 256 Governor's | Ogilvie | Main | 2019-2031 | Bike Lane | 0.24 | \$43,045 | \$43,045 | \$43,000 | 30% | | | | \$5,000 | | \$25,500 | \$25,00 |
| 257 Queenston/ Highway 8 | Glover | Winona/ Niagara border | 2019-2031 | Bike Lane | 3.80 | \$681,555 | \$681,555 | \$682,000 | 30% | | | | \$72,000 | | \$405,450 | |
| 258 Burlington Street East Boulevard Trail | Ottawa | Parkdale to Glow | 2019-2031 | Multi-Use Trail | 2.30 | | \$1,050,000 | \$1,050,000 | 30% | | | | \$110,000 | | \$624,750 | |
| 259 Queenston/ Highway 8 260 Greenhill | King Harrisford | Dewitt Summercrest | 2019-2031 2019-2031 | Bike Lane Bike Lane | 1.37 1.94 | | \$245,719 \$75,642 | \$246,000 \$76,000 | 30% 30% | | | | \$26,000 \$8,000 | | \$146,200 \$45,050 | |
| 261 Mill in Waterdown | Parkside | Dundas St | 2019-2031 | Bike Lane | 0.95 | | \$22,224 | \$22,000 | 30% | | . , | | \$2,000 | | \$13,600 | |
| 262 King in Stoney Creek | Gray | Queenston/ Highway 8 | 2019-2031 | Bike Lane | 1.51 | | \$77,981 | \$78,000 | 30% | | | | \$8.000 | | \$46,750 | |
| 263 Rousseaux/ Mohawk | Wilson | Filman | 2019-2031 | Bike Lane | 1.60 | | \$224,586 | \$225,000 | 30% | | | | \$24,000 | | \$133,450 | |
| 264 Baseline/ Lockport | Winona Road | Niagara border | 2019-2031 | Bike Lane | 1.15 | | \$23,395 | \$23,000 | 30% | | | | \$2,000 | 85 | \$13,600 | |
| 265 Winona | Lido/ shore | Peachtree | 2019-2031 | Bike Lane | 1.97 | | \$45,969 | \$46,000 | 30% | | . , | | \$5,000 | | \$27,200 | |
| 266 Cherry Beach Road Link | Millen | Dewitt | 2019-2031 | Multi-Use Trail | 0.91 | \$233,943 | \$233,943 | \$234,000 | | | | | \$25,000 | | \$139,400 | |
| 267 North Service Road | Dewitt | Lakeview | 2019-2031 | Bike Lane | 0.73 | | \$15,597 | \$16,000 | 30% | | | | \$2,000 | | \$9,350 | |
| 268 North Service Road 269 Upper Sherman | Bellavista Stone Church | Baseline Rymal to Miles | 2019-2031 2019-2031 | Bike Lane Bike Lane | 0.98 1.00 | | \$23,395 \$179,356 | \$23,000 \$179,000 | 30% 30% | | | | \$2,000 \$19,000 | | \$13,600 \$107,100 | |
| 270 Emperor | Brigade | Acadia | 2019-2031 | Bike Lane | 0.44 | | \$15,597 | \$16,000 | 30% | | | | \$2,000 | | \$9,350 | |
| 271 Burlington/ Industrial | Sherman | Gage | 2019-2031 | Bike Lane | 0.86 | | \$99,018 | \$99,000 | 30% | | . , | | \$10,000 | | \$58,650 | |
| 272 Birch/ Holton | Burlington St | Cannon/ King/ Delaware | 2019-2031 | Bike Lane | 1.40 | | \$31,192 | \$31,000 | 30% | | | 15 | \$3,000 | 85 | \$18,700 | |
| 273 Dewitt | Barton | Dundee | 2019-2031 | Bike Lane | 0.90 | \$21,055 | \$21,055 | \$21,000 | 30% | 0% | \$15,000 | 15 | \$2,000 | 85 | \$12,750 | \$13,00 |
| 274 Chedmac | Southridge | Rice | 2019-2031 | Bike Lane | 0.53 | \$23,395 | \$23,395 | \$23,000 | 30% | | | | \$2,000 | | \$13,600 | |
| 275 Kilbride | Upper Ottawa | Nebo | 2019-2031 | Bike Lane | 0.38 | \$8,889 | \$8,889 | \$9,000 | 30% | | . , | | \$1,000 | | \$5,100 | |
| 276 Hamilton in Waterdown 277 Osler/ Main | Centre/Main Hatt/ King | Highway 5/Dundas Main + 125m of Main | 2019-2031 2019-2031 | Bike Lane Bike Lane | 1.00 2.00 | \$62,385 \$87,880 | \$62,385 \$87,880 | \$62,000 \$88,000 | 30% 30% | | | | \$7,000 \$9,000 | | \$37,400 \$52,700 | |
| 278 Fiddler's Green | Amberly | Garner | 2019-2031 | Bike Lane | 0.68 | | \$21,212 | \$21,000 | 30% | | | | \$2,000 | | \$12,750 | |
| 279 Shaver | Wilson | Garner | 2019-2031 | Bike Lane | 0.52 | \$12,165 | \$12,165 | \$12,000 | 30% | | | | \$1,000 | | \$7,650 | |
| 280 Upper James | Twenty | Airport/ Mt Hope | 2019-2031 | Multi-Use Trail | 4.05 | \$1,152,757 | \$1,152,757 | \$1,153,000 | 30% | | | | \$121,000 | | \$685,950 | |
| 281 Christie-Tews | Christie C.A. | Harvest | 2019-2031 | Multi-Use Trail | 2.75 | \$1,123,693 | \$1,123,693 | \$1,124,000 | 30% | 0% | | 15 | \$118,000 | 85 | \$668,950 | |
| 282 Fennell Avenue Boulevard Trail | Garth/ West 18th | West 5th | 2019-2031 | Multi-Use Trail | 1.20 | \$412,100 | \$412,100 | \$412,000 | 30% | | | | \$43,000 | | \$244,800 | \$245,00 |
| 283 Jones Road Link | <u> </u> | | 2032-2041 | Multi-Use Trail | | \$221,799 | \$221,799 | \$222,000 | 100% | | | | \$0 | | \$0 | 5 \$1 |
| 284 Mountain Brow Boulevard Trail 285 Mountain Brow East Path | Mohawk Rendell | Arbour Oakcrest | 2019-2031 | Multi-Use Trail Multi-Use Trail | 1.81 0.81 | \$374,038 \$1,559,624 | \$374,038 \$1,559,624 | \$374,000 \$1,560,000 | | | | | \$39,000 \$164,000 | | \$222,700 \$928,200 | |
| 285 Mountain Brow East Path 286 Upper James/ Christie | Rymal | Twenty | 2019-2031 | Multi-Use Trail Multi-Use Trail | 0.81 | | \$1,559,624 \$196,513 | \$1,560,000 | | | | | \$164,000 | | \$928,200 | |
| 287 Proposed Pipeline Trail | Museum of Steam and Technology | Mahoney Park | 2019-2031 | Multi-Use Trail | 2.40 | | \$517,000 | \$197,000 | 30% | | | | \$54,000 | | \$307,700 | |
| 288 Existing Pipeline Trail | Main | Strathearne | 2019-2031 | Multi-Use Trail | 2.20 | | \$4,678,873 | \$4,679,000 | 30% | | | | \$491,000 | | \$2,783,750 | |
| 289 Hydro Corridor | Barton | Lawrence | 2019-2031 | Multi-Use Trail | 1.90 | \$1,251,439 | \$1,251,439 | \$1,251,000 | 30% | 0% | \$876,000 | 15 | \$131,000 | 85 | \$744,600 | \$745,00 |
| 290 Hydro Corridor | Lawrence Avenue | Greenhill Avenue | 2019-2031 | Multi-Use Trail | 1.15 | | \$430,457 | \$430,000 | | | | | \$45,000 | | \$255,850 | |
| 291 Strachan Street Trail | James | Ferguson | 2019-2031 | Multi-Use Trail | 0.66 | | \$336,879 | \$337,000 | 30% | | | | \$35,000 | | \$200,600 | |
| 292 Karst Escarpment Loop | Pritchard | Mount Albion/Winterberry | 2019-2031 | Multi-Use Trail | 0.70 | | \$390,000 | \$390,000 | | | | | \$41,000 | | \$232,050 | |
| 293 Chedoke Rail Trail 294 Hamilton-Brantford Rail Ttrail | Highway 403 Bridlewood Dr | Dundurn Ewen | 2019-2031 2019-2031 | Multi-Use Trail Multi-Use Trail | 4.68 4.00 | | \$1,487,200 \$405,600 | \$1,487,000 \$406,000 | 30% 30% | | | | \$156,000 \$43,000 | | \$884,850 \$241,400 | |
| 295 Battlefield Park - Bruce Trail Link | Greenhill to Bruce Trail to Glover Mtn | First Road W | 2019-2031 | Multi-Use Trail | 0.75 | | \$533,354 | \$533,000 | 30% | | | | \$56,000 | | \$317,050 | |
| 296 Devil's Punchbowl Link | Mountain Ave/ Lake Ave | Ridge Road/ Devil's Punch Bowl | 2032-2041 | Multi-Use Trail | 0.73 | \$150,000 | \$150,000 | \$150,000 | | | | | \$50,000 | | \$0 | si \$17,000 |
| 297 Gage Park | Cumberland | Montclair/ Maple | 2019-2031 | Multi-Use Trail | 0.59 | \$331,264 | \$331,264 | \$331,000 | 30% | | | | \$35,000 | | \$197,200 | \$197,00 |
| 298 Iroquois Heights to Old Mohawk | Chedoke Rail Trail | Old Mohawk Road | 2019-2031 | Multi-Use Trail | 0.85 | \$318,163 | \$318,163 | \$318,000 | 30% | 0% | \$223,000 | 15 | \$33,000 | 85 | \$189,550 | \$190,00 |
| 299 Museum of Steam and Tech Link | Woodward | Red Hill Valley Trail | 2019-2031 | Multi-Use Trail | 0.75 | | \$607,392 | \$607,000 | 30% | | | | \$64,000 | | \$361,250 | |
| 300 Ottawa Street South - Bruce Trail Link | Mahawili Da - d | Courtle of Duran I | 2019-2031 | Multi-Use Trail | 0.39 | | \$686,235 | \$686,000 | | | | | \$72,000 | | \$408,000 | |
| 301 Limeridge Mall Hydro Corridor Trail 302 Fallsview | Mohawk Road Sydenham | South of Rymal | 2019-2031 | Multi-Use Trail | 3.80 1.40 | | \$1,404,390 \$349,698 | \$1,404,000 \$350,000 | 30% 30% | | | | \$147,000 \$37,000 | | \$835,550 | |
| 302 Hallsview 303 Hydro Corridor | Wilson/Highway 52 | Rock Chapel Road Regional Road 56 | 2019-2031 2019-2031 | Multi-Use Trail Multi-Use Trail | 1.40 | \$349,698 \$7,617,400 | \$349,698 | \$350,000 \$7,617,000 | 30% | | | | \$37,000 | | \$208,250 \$4,532,200 | |
| 304 Beddoe Drive Link | vviisori/riigriway 32 | Negional Road 50 | 2019-2031 | Multi-Use Trail | 0.91 | \$519,078 | \$519,078 | \$519,000 | 30% | | | | \$54,000 | | \$4,332,200 | |
| 305 Hydro Corridor | Glancaster Road | Chippewa Rail Trail | 2019-2031 | Multi-Use Trail | 7.70 | | \$5,763,425 | \$5,763,000 | 30% | | | | \$605,000 | | \$3,428,900 | |
| 306 Hydro Corridor | Chippewa Rail Trail | Fletcher Road | 2019-2031 | Multi-Use Trail | 2.35 | \$3,685,306 | \$3,685,306 | \$3,685,000 | 30% | 0% | . , , | | \$387,000 | | \$2,193,000 | |
| 307 Hydro Corridor | Trinity Road | Glancaster Road | 2019-2031 | Multi-Use Trail | 10.00 | \$7,617,400 | \$7,617,400 | \$7,617,000 | 30% | | \$5,332,000 | 15 | \$800,000 | 85 | \$4,532,200 | \$4,532,00 |
| 308 Hydro Corridor | White Church Road | | 2019-2031 | Multi-Use Trail | 6.60 | . , , | \$3,730,708 | \$3,731,000 | 50% | | | | \$280,000 | | \$1,585,250 | |
| 309 White Church Road West Airport Link | | | 2019-2031 | Multi-Use Trail | | \$673,440 | \$673,440 | \$673,000 | 50% | | | | \$51,000 | | \$286,450 | |
| 310 White Church Road West Link | | | 2019-2031 | Multi-Use Trail | 0.02 | \$1,315,467 | \$1,315,467 | \$1,315,000 | 50% | | | | \$99,000 | | \$559,300 | |
| 311 Chippewa Road at Highway 6 312 Glancaster Road Link | | | 2019-2031 | Multi-Use Trail Multi-Use Trail | 0.02 | \$124,769 \$494,580 | \$124,769 \$494.580 | \$125,000 \$495,000 | 30% 50% | | | | \$13,000 \$37,000 | | \$73,950 \$209,950 | |
| | Concession 8 E | Concession 7 E | 2019-2031 | Paved Shoulder | 1.80 | | \$494,580 \$350,916 | \$495,000 | 30% | | | | \$37,000 | | \$209,950 | |
| 313 Centre | | | | | | | | | | | | | | | | |

| Item Project Name # | From | То | Estimated Timing | Improvement Type | Length | Gross Capital Cost Estimate 2019\$ | Gross Capital Cost including E.A. 2019\$ | · | ost Period Benefit | Developer Responsibility | Net Capital Estimate After Deduction 2019\$ | Benefit to Existing (%) | Benefit to Existing (\$) | Benefit to Growth (%) | Benefit to Growth (\$) | Benefit to Growth (\$) |
|---|-----------------------|-----------------------|---------------------|------------------|--------|--|--|-----------------|-----------------------|-----------------------------|---|----------------------------|-----------------------------|--------------------------|---------------------------|---------------------------|
| 315 Centre | Warren/ Carlisle Road | Progreston | 2019-2031 | Paved Shoulder | 0.78 | \$151,089 | \$151,089 | \$151,000 | 30% | 0% | \$106,000 | 15 | \$16,000 | 85 | \$90,100 | \$90,000 |
| 316 Centre | Grinstone Creek | Concession 5 E | 2019-2031 | Paved Shoulder | 0.45 | \$87,729 | \$87,729 | \$88,000 | 30% | 0% | \$61,000 | 15 | \$9,000 | 85 | \$51,850 | \$52,000 |
| 317 Edgewood | Safari | Highway 6 | 2019-2031 | Bike Lane | 0.90 | \$10,528 | \$10,528 | \$11,000 | 30% | 0% | \$7,000 | 15 | \$1,000 | 85 | \$5,950 | \$6,000 |
| 318 Binbrook Road | Trinity Church | Fletcher | 2019-2031 | Paved Shoulder | 1.26 | \$245,641 | \$245,641 | \$246,000 | 30% | 0% | \$172,000 | 15 | \$26,000 | 85 | \$146,200 | \$146,000 |
| 319 Ridge Road | Devil Punch Bowl | Dewitt | 2019-2031 | Multi-Use Trail | 2.91 | \$779,812 | \$779,812 | \$780,000 | 30% | 0% | \$546,000 | 15 | \$82,000 | 85 | \$464,100 | \$464,000 |
| 320 York Road | Olympic | Valley Road | 2019-2031 | Paved Shoulder | 1.70 | \$437,475 | \$437,475 | \$437,000 | 30% | 0% | \$306,000 | 15 | \$46,000 | 85 | \$260,100 | \$260,000 |
| 321 York Road & York Road at Old Guelph | Valley Road | Highway 6 interchange | 2019-2031 | Multi-Use Trail | 2.50 | \$1,433,464 | \$1,433,464 | \$1,433,000 | 30% | 0% | \$1,003,000 | 15 | \$150,000 | 85 | \$852,550 | \$853,000 |
| 322 Northlawn Avenue Link | | | 2019-2031 | Multi-Use Trail | 1.10 | \$400,000 | \$400,000 | \$400,000 | 30% | 0% | \$280,000 | 15 | \$42,000 | 85 | \$238,000 | \$238,000 |
| 323 Mosaic Drive | Parkside Drive | Highway 6 | 2019-2031 | Multi-Use Trail | 1.90 | \$886,000 | \$886,000 | \$886,000 | 30% | 0% | \$620,000 | 15 | \$93,000 | 85 | \$527,000 | \$527,000 |
| 324 Valley Road | Rock Chapel | York Road | 2019-2031 | Paved Shoulder | 1.40 | \$311,925 | \$311,925 | \$312,000 | 30% | 0% | \$218,000 | 15 | \$33,000 | 85 | \$185,300 | \$185,000 |
| 325 Regional Road 56 south of Kirk | Southbrook | Binbrook Cons Area | 2019-2031 | Multi-Use Trail | 3.00 | \$779,812 | \$779,812 | \$780,000 | 30% | 0% | \$546,000 | 15 | \$82,000 | 85 | \$464,100 | \$464,000 |
| 326 Regional Road 56 | Swayze Road | Cemetery | 2019-2031 | Multi-Use Trail | 4.60 | \$3,119,249 | \$3,119,249 | \$3,119,000 | 30% | 0% | \$2,183,000 | 15 | \$327,000 | 85 | \$1,855,550 | \$1,856,000 |
| 327 Old Guelph Road | Paterson | York Bike Lane | 2019-2031 | Paved Shoulder | 3.53 | \$907,116 | \$907,116 | \$907,000 | 30% | 0% | \$635,000 | 15 | \$95,000 | 85 | \$539,750 | \$540,000 |
| 328 Hamilton Drive Link | | | 2032-2041 | Multi-Use Trail | | \$1,980,190 | \$1,980,190 | \$1,980,000 | 100% | 0% | \$0 | 15 | \$0 | 85 | \$0 | \$0 |
| Totals | | | | | | \$1,318,476,566 | \$1,355,641,191 | \$1,355,640,000 | | • | \$1,048,544,000 | | \$219,893,000 | | \$828,657,200 | \$828,651,000 |

City of Hamilton

Service: Services Related to a Highway - Facilities

| | | | | | | | | Less: | | Less: | Potenti | al D.C. Recove | erable Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|-------------|--|-------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 62% | Non-Residential Share 38% |
| 1 | Dundas Expansion | 2019-2031 | 1,650,000 | - | | 1,650,000 | - | | 1,650,000 | | 1,650,000 | 1,023,000 | 627,000 |
| 2 | Lower Stoney Creek Expansion | 2019-2031 | 1,960,000 | - | | 1,960,000 | - | | 1,960,000 | | 1,960,000 | 1,215,200 | 744,800 |
| 3 | North District Expansion | 2019-2031 | 1,020,000 | - | | 1,020,000 | - | | 1,020,000 | | 1,020,000 | 632,400 | 387,600 |
| 4 | South Mountain Expansion | 2019-2031 | 2,860,000 | - | | 2,860,000 | | | 2,860,000 | | 2,860,000 | 1,773,200 | 1,086,800 |
| 5 | Upper Stoney Creek/Binbrook Expansion | 2019-2031 | 1,640,000 | - | | 1,640,000 | - | | 1,640,000 | | 1,640,000 | 1,016,800 | 623,200 |
| 6 | Waterdown/Carlisle Expansion | 2019-2031 | 1,780,000 | - | | 1,780,000 | - | | 1,780,000 | | 1,780,000 | 1,103,600 | 676,400 |
| 7 | Provision for Expansion of Parks Works Yards - Binbrook* | 2019-2031 | 573,500 | - | | 573,500 | <i>^</i> | | 573,500 | 57,350 | 516,150 | 320,013 | 196,137 |
| 8 | Streetlighting Facility Expansion (Storage) | 2019-2023 | 1,200,000 | - | | 1,200,000 | 318,200 | | 881,800 | | 881,800 | 546,716 | 335,084 |
| | Additional Snow Dump (Land) | 2025-2028 | 5,750,000 | - | | 5,750,000 | - | | 5,750,000 | | 5,750,000 | 3,565,000 | 2,185,000 |
| 1 1() | Water & Wastewater Office/Storage Expansion | 2019-2024 | 17,250,000 | - | | 17,250,000 | 10,225,500 | | 7,024,500 | | 7,024,500 | 4,355,190 | 2,669,310 |
| 11 | Confederation Park - Sports Park Development - Phase 2 (Maintenance Yard & Field House)* | 2020 | 4,182,000 | - | | 4,182,000 | 418,200 | | 3,763,800 | 376,380 | 3,387,420 | 2,100,200 | 1,287,220 |
| 1 12 | Public Works Depot - Bayfront Park (Design & Construction)* | 2019 | 3,900,000 | - | | 3,900,000 | 1,950,000 | | 1,950,000 | 195,000 | 1,755,000 | 1,088,100 | 666,900 |
| 13 | Reserve Fund Adjustment | | | | | - | 3,439,540 | | (3,439,540) | | (3,439,540) | (2,132,515) | (1,307,025) |
| | Total | | 43,765,500 | - | | 43,765,500 | 16,351,440 | - | 27,414,060 | 628,730 | 26,785,330 | 16,606,905 | 10,178,426 |

^{*}Related to Parks Department therefore a 10% mandatory deduction has been attributed

City of Hamilton

Service: Services Related to a Highway - Vehicles and Equipment

| | | | | | | | | Less: | | Less: | Potential | D.C. Recove | rable Cost |
|-------------------|---|------------------|--------------------------------------|------------------------|---------------------|---------------------|---------------------------------------|--|-----------|--|-----------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 62% | Non-Residential Share 38% |
| | Operations: | | | | | | | | | | | | |
| 1 | Aluminum Sander Prewelded (1) | 2019-2031 | 225,000 | - | | 225,000 | - | | 225,000 | | 225,000 | 139,500 | 85,500 |
| 2 | 1 1/2 Ton Pickup (9) | 2019-2031 | 233,000 | - | | 233,000 | - | | 233,000 | | 233,000 | 144,460 | 88,540 |
| 3 | Large Front End Loader (2) | 2019-2031 | 404,667 | - | | 404,667 | - | | 404,667 | | 404,667 | 250,893 | 153,773 |
| 4 | Grader (1) | 2019-2031 | 281,000 | - | | 281,000 | - | | 281,000 | | 281,000 | 174,220 | 106,780 |
| 5 | Large Mobile Sweeper (4) | 2019-2031 | 1,304,000 | - | | 1,304,000 | - | | 1,304,000 | | 1,304,000 | 808,480 | 495,520 |
| 6 | Snow Blower Attachment (1) | 2019-2031 | 202,000 | - | | 202,000 | - | | 202,000 | | 202,000 | 125,240 | 76,760 |
| 7 | Street Flusher (1) | 2019-2031 | 225,000 | - | | 225,000 | - | | 225,000 | | 225,000 | 139,500 | 85,500 |
| 8 | Hotspot Transporter (2) | 2019-2031 | 63,000 | - | | 63,000 | - | | 63,000 | | 63,000 | 39,060 | 23,940 |
| 9 | Tandem Trailer - 12 Ton(1) | 2019-2031 | 22,500 | - | | 22,500 | - | | 22,500 | | 22,500 | 13,950 | 8,550 |
| 10 | Large Hopper/Spreader Attachment (1) | 2019-2031 | 18,000 | - | | 18,000 | - | | 18,000 | | 18,000 | 11,160 | 6,840 |
| 11 | Aluminum Dump/Crew/Crane/Plow (1) | 2019-2031 | 84,500 | - | | 84,500 | - | | 84,500 | | 84,500 | 52,390 | 32,110 |
| 12 | Aluminum Dump/Crew/Plow (1) | 2019-2031 | 78,500 | - | | 78,500 | - | | 78,500 | | 78,500 | 48,670 | 29,830 |
| | Arrow Boards (3) | 2019-2031 | 30,900 | - | | 30,900 | - | | 30,900 | | 30,900 | 19,158 | 11,742 |
| | Steel Dump/Crew/Crane/Plow (1) | 2019-2031 | 59,600 | - | | 59,600 | - | | 59,600 | | 59,600 | 36,952 | 22,648 |
| | Steel Dump/Crew (1) | 2019-2031 | 56,200 | - | | 56,200 | - | | 56,200 | | 56,200 | 34,844 | 21,356 |
| | Sander Radius Dump with 2 Way Front (1) | 2019-2031 | 259,000 | - | | 259,000 | - | | 259,000 | | 259,000 | 160,580 | 98,420 |
| | Sander Pre-Wel 2 Way with Wing (2) | 2019-2031 | 562,000 | - | | 562,000 | - | | 562,000 | | 562,000 | 348,440 | 213,560 |
| 18 | Trackless (1) | 2019-2031 | 235,000 | - | | 235,000 | - | | 235,000 | | 235,000 | 145,700 | 89,300 |
| 19 | Gradal (1) | 2019-2031 | 362,000 | - | | 362,000 | - | | 362,000 | | 362,000 | 224,440 | 137,560 |
| | Alum Sander Prew Front & Wing Plow (4) | 2019-2031 | 876,800 | - | | 876,800 | - | | 876,800 | | 876,800 | 543,616 | 333,184 |
| | Sander Tandem Prew Plow (1) | 2019-2031 | 253,000 | - | | 253,000 | - | | 253,000 | | 253,000 | 156,860 | 96,140 |
| | Parks: | | | | | | | | | | | | |
| 22 | 1 1/2 Ton Pick-up Truck (3) | 2019-2023 | 77,600 | - | | 77,600 | - | | 77,600 | 7,760 | 69,840 | 43,301 | 26,539 |
| | Small Tractor (2) | 2019-2023 | 78,700 | - | | 78,700 | - | | 78,700 | 7,870 | 70,830 | 43,915 | |
| | Medium Tractor (1) | 2019-2023 | 50,600 | - | | 50,600 | - | | 50,600 | 5,060 | 45,540 | 28,235 | 17,305 |
| 25 | Large Tractor (3) | 2019-2023 | 186,000 | - | | 186,000 | - | | 186,000 | 18,600 | 167,400 | 103,788 | 63,612 |
| | Service Body - Utility (2) | 2019-2023 | 101,000 | - | | 101,000 | - | | 101,000 | 10,100 | 90,900 | 56,358 | 34,542 |
| 27 | 1 Ton Pick-up with Plow (1) | 2019-2023 | 56,200 | - | | 56,200 | - | | 56,200 | 5,620 | 50,580 | 31,360 | 19,220 |
| | Tow behind rotary mower (1) | 2019-2023 | 2,900 | - | | 2,900 | - | | 2,900 | 290 | 2,610 | 1,618 | 992 |
| | Utility Turf Vehicle (3) | 2019-2023 | 57,300 | - | | 57,300 | - | | 57,300 | 5,730 | 51,570 | 31,973 | 19,597 |
| | Mower Front Mount Riding (10) | 2019-2023 | 211,500 | - | | 211,500 | - | | 211,500 | 21,150 | 190,350 | 118,017 | 72,333 |
| 31 | Tandem Axle Trailer (5) | 2019-2023 | 42,700 | - | | 42,700 | - | | 42,700 | 4,270 | 38,430 | 23,827 | 14,603 |
| | Overseeder (1) | 2019-2023 | 21,400 | - | | 21,400 | - | | 21,400 | 2,140 | 19,260 | 11,941 | 7,319 |
| 33 | Top Dresser (1) | 2019-2023 | 18,000 | - | | 18,000 | - | | 18,000 | 1,800 | 16,200 | 10,044 | 6,156 |
| | Small Aerifier (1) | 2019-2023 | 10,400 | - | | 10,400 | - | | 10,400 | 1,040 | 9,360 | 5,803 | 3,557 |
| | Aerifier (1) | 2019-2023 | 16,900 | - | | 16,900 | - | | 16,900 | 1,690 | 15,210 | 9,430 | 5,780 |
| | Drop in Sander (3) | 2019-2023 | 30,400 | - | | 30,400 | - | | 30,400 | 3,040 | 27,360 | 16,963 | 10,397 |
| | Aluminum Dump/Crew (1) | 2019-2023 | 73,100 | - | | 73,100 | - | | 73,100 | 7,310 | 65,790 | 40,790 | 25,000 |
| 38 | Aluminum Dump/Crew & Plow (1) | 2019-2023 | 78,500 | - | | 78,500 | - | | 78,500 | 7,850 | 70,650 | 43,803 | 26,847 |

City of Hamilton

Service: Services Related to a Highway - Vehicles and Equipment

| | | | | | | | | Less: | | Less: | Potential | D.C. Recove | rable Cost |
|-------------------|--|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|--|----------|--|-----------|-------------|--------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Share | Non-Residential Share |
| | 2019-2031 | | | | | | | Development | | | | 62% | 38% |
| 39 | Packer Truck (1) | 2019-2023 | 187,000 | - | | 187,000 | - | | 187,000 | 18,700 | 168,300 | 104,346 | 63,954 |
| 40 | Riding Mower (1) | 2019-2023 | 73,100 | - | | 73,100 | - | | 73,100 | 7,310 | 65,790 | 40,790 | 25,000 |
| 41 | Rotary Riding Mower (1) | 2019-2023 | 337,000 | - | | 337,000 | - | | 337,000 | 33,700 | 303,300 | 188,046 | 115,254 |
| 42 | Steel Dump Crew - 1 Ton | 2019-2023 | 56,200 | - | | 56,200 | - | | 56,200 | 5,620 | 50,580 | 31,360 | 19,220 |
| 43 | Aerifier (2) | 2019-2028 | 20,400 | - | | 20,400 | - | | 20,400 | 2,040 | 18,360 | 11,383 | 6,977 |
| | Ball Diamond Groomer (1) | 2019-2028 | 10,200 | - | | 10,200 | - | | 10,200 | 1,020 | 9,180 | 5,692 | 3,488 |
| | Blower (1) | 2019-2028 | 10,200 | - | | 10,200 | - | | 10,200 | 1,020 | 9,180 | 5,692 | 3,488 |
| 46 | Miscellaneous (1) | 2019-2028 | 10,200 | - | | 10,200 | - | | 10,200 | 1,020 | 9,180 | 5,692 | 3,488 |
| 47 | Mower (1) | 2019-2028 | 20,400 | - | | 20,400 | - | | 20,400 | 2,040 | 18,360 | 11,383 | 6,977 |
| | Over Seeder (1) | 2019-2028 | 20,400 | - | | 20,400 | - | | 20,400 | 2,040 | 18,360 | 11,383 | 6,977 |
| 49 | Top Dresser (1) | 2019-2028 | 20,400 | - | | 20,400 | - | | 20,400 | 2,040 | 18,360 | 11,383 | 6,977 |
| 50 | Beach Rake (1) | 2019-2028 | 93,600 | - | | 93,600 | - | | 93,600 | 9,360 | 84,240 | 52,229 | 32,011 |
| 51 | Golf Cart (4) | 2019-2028 | 10,200 | - | | 10,200 | - | | 10,200 | 1,020 | 9,180 | 5,692 | 3,488 |
| 52 | Leaf Blower (1) | 2019-2028 | 520 | - | | 520 | - | | 520 | 52 | 468 | 290 | 178 |
| 53 | Pressure Washer (1) | 2019-2028 | 10,400 | - | | 10,400 | - | | 10,400 | 1,040 | 9,360 | 5,803 | 3,557 |
| 54 | Wood Chipper (1) | 2019-2028 | 33,700 | - | | 33,700 | - | | 33,700 | 3,370 | 30,330 | 18,805 | 11,525 |
| 55 | Mower Outfront (3) | 2019-2028 | 25,500 | - | | 25,500 | - | | 25,500 | 2,550 | 22,950 | 14,229 | 8,721 |
| 56 | Mower Riding (3) | 2019-2028 | 140,000 | - | | 140,000 | - | | 140,000 | 14,000 | 126,000 | 78,120 | 47,880 |
| 57 | Mower Walk Behind (1) | 2019-2028 | 7,300 | - | | 7,300 | - | | 7,300 | 730 | 6,570 | 4,073 | 2,497 |
| 58 | Pickup 1 ton Crew Cab (3) | 2019-2028 | 134,000 | - | | 134,000 | - | | 134,000 | 13,400 | 120,600 | 74,772 | 45,828 |
| 59 | Pickup 1 ton Snow Plow (1) | 2019-2028 | 52,000 | - | | 52,000 | - | | 52,000 | 5,200 | 46,800 | 29,016 | 17,784 |
| 60 | Refuse Rear Load Mini Packer (1) | 2019-2028 | 169,300 | - | | 169,300 | - | | 169,300 | 16,930 | 152,370 | 94,469 | 57,901 |
| 61 | Refuse Side Loader (1) | 2019-2028 | 169,300 | - | | 169,300 | - | | 169,300 | 16,930 | 152,370 | 94,469 | 57,901 |
| 62 | Service Body Truck (3/4 ton) (3) | 2019-2028 | 66,300 | - | | 66,300 | - | | 66,300 | 6,630 | 59,670 | 36,995 | 22,675 |
| 63 | Sidewalk Sweeper (1) | 2019-2028 | 59,200 | - | | 59,200 | - | | 59,200 | 5,920 | 53,280 | 33,034 | 20,246 |
| 64 | Tractor Loader/Backhoe Small (97-182 HP 6.5 cu yards) (1) | 2019-2028 | 114,200 | - | | 114,200 | - | | 114,200 | 11,420 | 102,780 | 63,724 | 39,056 |
| 65 | Trailer Float (1) | 2019-2028 | 20,400 | - | | 20,400 | - | | 20,400 | 2,040 | 18,360 | 11,383 | 6,977 |
| 66 | Utility Vehicle (5) | 2019-2028 | 20,400 | - | | 20,400 | - | | 20,400 | 2,040 | 18,360 | 11,383 | 6,977 |
| | Utility Vehicle - Toolcat (2) | 2019-2028 | 102,000 | - | | 102,000 | - | | 102,000 | 10,200 | 91,800 | 56,916 | 34,884 |
| - | Forestry (Roads & Parks): | | | | | | | | | | | | |
| 68 | Pickup 3/4 Ton | 2019-2031 | 42,700 | - | | 42,700 | 21,350 | | 21,350 | 2,135 | 19,215 | 11,913 | 7,302 |
| | Wood Chipper (2) | 2019-2031 | 188,000 | - | | 188,000 | - | | 188,000 | 18,800 | 169,200 | 104,904 | 64,296 |
| 70 | Aerial Truck (1) | 2019-2031 | 291,000 | - | | 291,000 | - | | 291,000 | 29,100 | 261,900 | 162,378 | 99,522 |
| | Dump Truck Tandem Axle Chipper Body (1) | 2019-2023 | 202,000 | - | | 202,000 | - | | 202,000 | 20,200 | 181,800 | 112,716 | 69,084 |
| - | Horticulture: | | | | | | | | | | | | |
| 72 | Tandem Axle Trailer (1) | 2019-2031 | 12,500 | - | | 12,500 | - | | 12,500 | 1,250 | 11,250 | 6,975 | 4,275 |
| 73 | Aluminum Dump/Crew (2) | 2019-2023 | 145,600 | - | | 145,600 | 1 | | 145,600 | 14,560 | 131,040 | 81,245 | 49,795 |
| | Traffic | | | | | | | | | | | | |
| 74 | Signal Bucket Trucks (2) | 2019-2023 | 573,000 | - | | 573,000 | - | | 573,000 | | 573,000 | 355,260 | 217,740 |

City of Hamilton

Service: Services Related to a Highway - Vehicles and Equipment

| | | | | | | | | Less: | | Less: | Potential | D.C. Recover | able Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|--|------------|--|------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 62% | Non-Residential Share 38% |
| 75 | Signal Tech Van | 2019-2024 | 80,700 | - | | 80,700 | - | | 80,700 | | 80,700 | 50,034 | 30,666 |
| 76 | Foreman's Pickup Truck | 2019-2026 | 54,600 | - | | 54,600 | _ | | 54,600 | | 54,600 | 33,852 | 20,748 |
| 77 | Investigator Pickup Truck | 2019-2027 | 57,300 | - | | 57,300 | - | | 57,300 | | 57,300 | 35,526 | 21,774 |
| 78 | Aerial Truck (2) | 2019-2031 | 630,000 | - | | 630,000 | _ | | 630,000 | | 630,000 | 390,600 | 239,400 |
| 79 | Line Painter - Walk Behind (2) | 2019-2031 | 10,200 | - | | 10,200 | - | | 10,200 | | 10,200 | 6,324 | 3,876 |
| 80 | Sign Trucks (2) | 2019-2031 | 1,275,000 | - | | 1,275,000 | - | | 1,275,000 | | 1,275,000 | 790,500 | 484,500 |
| | Recreation | | | | | | | | | | | | |
| 81 | Ice Resurfacer (2) | 2024-2028 | 191,000 | - | | 191,000 | - | | 191,000 | 19,100 | 171,900 | 106,578 | 65,322 |
| 82 | Compact Car (3) | 2024-2028 | 84,300 | - | | 84,300 | - | | 84,300 | 8,430 | 75,870 | 47,039 | 28,831 |
| | Building & By-law Enforcement | | | | | | | | | | | | |
| 83 | Hybrid Vehicles (6) | 2019-2023 | 239,000 | - | | 239,000 | - | | 239,000 | 23,900 | 215,100 | 133,362 | 81,738 |
| 84 | Compact Pick-up (1) | 2019-2023 | 25,850 | - | | 25,850 | - | | 25,850 | 2,585 | 23,265 | 14,424 | 8,841 |
| | Parks & Roads: | | | | | | | | | | | | |
| 85 | Refuse Rear Load (11) | 2019-2028 | 246,800 | - | | 246,800 | - | | 246,800 | 12,340 | 234,460 | 145,365 | 89,095 |
| | Roads: | | | | | | | | | | | | |
| | SUV 2 Wheel Drive (15) | 2019-2031 | 468,000 | - | | 468,000 | - | | 468,000 | | 468,000 | 290,160 | 177,840 |
| | SUV 4 Wheel Drive (5) | 2019-2031 | 208,000 | - | | 208,000 | - | | 208,000 | | 208,000 | 128,960 | 79,040 |
| | Pickup 1/2 ton (5) | 2019-2031 | 146,000 | - | | 146,000 | - | | 146,000 | | 146,000 | 90,520 | 55,480 |
| 89 | SUV 4 Wheel Drive (11) | 2019-2031 | 458,000 | - | | 458,000 | - | | 458,000 | | 458,000 | 283,960 | 174,040 |
| | SUV 2 Wheel Drive (3) | 2019-2031 | 94,000 | - | | 94,000 | | | 94,000 | | 94,000 | 58,280 | 35,720 |
| 91 | Pickup 1/2 ton (1) | 2019-2031 | 29,100 | - | | 29,100 | - | | 29,100 | | 29,100 | 18,042 | 11,058 |
| | | | | | | | | | | | | | |
| | Total | | 14,695,337 | | | 14,695,337 | 21,350 | - | 14,673,987 | 463,102 | 14,210,885 | 8,810,748 | 5,400,136 |

2. Fire Protection Services

City of Hamilton Service: Fire Services

| | | | | | | | Less: | Potential D.C. Recov | erable Cost | | |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|-------------|-----------|--------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Share | Non-Residential Share |
| | 2019-2031 | | | | | | | Bevelopinent | | 62% | 38% |
| | Fire Facilities New Station Waterdown Growth | | | | | | | | | | |
| 1 | Area | 2019-2021 | 7,500,000 | - | | 7,500,000 | - | | 7,500,000 | 4,650,000 | 2,850,000 |
| 2 | Growth Related Debt Interest (Discounted) - New Station Waterdown Growth Area | 2022-2037 | 838,420 | - | | 838,420 | - | | 838,420 | 519,820 | 318,600 |
| | New Station Elfrida/Upper Stoney Creek Growth Area | 2025-2027 | 8,432,000 | 5,565,100 | | 2,866,900 | - | | 2,866,900 | 1,777,478 | 1,089,422 |
| | Provision for Station Expansion/Renovation - Upper Stoney Creek | 2027-2028 | 2,473,000 | 346,100 | | 2,126,900 | 1,237,000 | | 889,900 | 551,738 | 338,162 |
| | Mechanical/Stores Relocation/Expansion | 2021-2024 | 12,142,000 | - | | 12,142,000 | 4,396,900 | | 7,745,100 | 4,801,962 | 2,943,138 |
| | Outstanding Debt - Principal | 2019-2023 | 859,624 | - | | 859,624 | - | | 859,624 | 532,967 | 326,657 |
| / | Outstanding Debt - Interest (Discounted) | 2019-2023 | 71,725 | - | | 71,725 | - | | 71,725 | 44,470 | 27,256 |
| 8 | Outstanding Debt- Shared Training Facility - Principal | 2019-2027 | 3,620,557 | - | | 3,620,557 | - | | 3,620,557 | 2,244,745 | 1,375,812 |
| 9 | Outstanding Debt- Shared Training Facility - Interest (Discounted) | 2019-2027 | 68,410 | | | 68,410 | - | | 68,410 | 42,414 | 25,996 |
| | Fire Vehicles | | | - | | | - | | | | |
| 10 | Rural Pumper for Elfrida Growth Area (New Station) | 2026-2027 | 755,000 | - | | 755,000 | - | | 755,000 | 468,100 | 286,900 |
| 11 | Engine for Elfrida Growth Area (New Station) | 2026-2027 | 814,000 | 537,200 | | 276,800 | - | | 276,800 | 171,616 | 105,184 |
| 12 | Rural Tanker for Waterdown Growth Area - New Station | 2021-2022 | 705,000 | - | | 705,000 | - | | 705,000 | 437,100 | 267,900 |
| 13 | Urban Pumper for Waterdown Growth Area - New Station | 2021-2022 | 814,000 | - | | 814,000 | - | | 814,000 | 504,680 | 309,320 |
| 14 | Outstanding Debt on Stn 20 Vehicle - Principal | 2019-2023 | 81,295 | - | | 81,295 | - | | 81,295 | 50,403 | 30,892 |
| | Outstanding Debt on Stn 20 Vehicle - Interest (Discounted) | 2019-2023 | 6,783 | - | | 6,783 | - | | 6,783 | 4,206 | 2,578 |
| | Fire Equipment | | | - | | | - | | | | |
| | Station #31 Waterdown | | | - | | | - | | | | |
| | Air compressor | 2020-2021 | 3,000 | - | | 3,000 | - | | 3,000 | 1,860 | 1,140 |
| 17 | Washer Extractor | 2020-2021 | 17,000 | - | | 17,000 | - | | 17,000 | 10,540 | 6,460 |

City of Hamilton Service: Fire Services

| | | | | | | | Less: | Potential D.C. Recove | erable Cost | | |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|-------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 62% | Non-Residential Share 38% |
| | Portable Radios, Chargers & Batteries | 2020-2021 | 25,000 | - | | 25,000 | | | 25,000 | 15,500 | 9,500 |
| | S.C.B.A.'s | 2020-2021 | 31,000 | _ | | 31,000 | - | | 31,000 | 19,220 | 11,780 |
| | Portable Pumps | 2020-2021 | 18,000 | - | | 18,000 | - | | 18,000 | 11,160 | 6,840 |
| 21 | Multi Gas Detectors | 2020-2021 | 6,000 | - | | 6,000 | - | | 6,000 | 3,720 | 2,280 |
| 22 | Defibrillators | 2020-2021 | 6,000 | - | | 6,000 | - 1 | | 6,000 | 3,720 | 2,280 |
| 23 | Thermal Imaging Camera | 2020-2021 | 13,000 | - | | 13,000 | - | | 13,000 | 8,060 | 4,940 |
| 24 | Auto Extrication Equipment | 2020-2021 | 57,000 | - | | 57,000 | - | | 57,000 | 35,340 | 21,660 |
| 25 | Air Bags | 2020-2021 | 11,000 | - | | 11,000 | - | | 11,000 | 6,820 | 4,180 |
| | Fire Hose | 2020-2021 | 43,000 | - | | 43,000 | - | | 43,000 | 26,660 | 16,340 |
| 27 | Bunker Gear | 2020-2021 | 41,000 | - | | 41,000 | - | | 41,000 | 25,420 | 15,580 |
| 28 | Station Exhaust System | 2020-2021 | 56,000 | - | | 56,000 | - | | 56,000 | 34,720 | 21,280 |
| 20 | Protective Gear & Uniform Clothing | 2020-2021 | 48,000 | | | 48,000 | - | | 48,000 | 29,760 | 18,240 |
| | New Station Elfrida Growth Area | | - | | | | - | | | | |
| 30 | Air Compressor | 2026-2027 | 3,000 | 2,000 | | 1,000 | - | | 1,000 | 620 | 380 |
| 31 | Washer Extractor | 2026-2027 | 17,000 | 11,200 | | 5,800 | - | | 5,800 | 3,596 | 2,204 |
| | Portable Radios, Chargers & Batteries | 2026-2027 | 25,000 | 16,500 | | 8,500 | - | | 8,500 | 5,270 | 3,230 |
| 33 | S.C.B.A.'s | 2026-2027 | 31,000 | 20,500 | | 10,500 | - | | 10,500 | 6,510 | 3,990 |
| 34 | Portable Pumps | 2026-2027 | 18,000 | 11,900 | | 6,100 | - | | 6,100 | 3,782 | 2,318 |
| 35 | Multi Gas Detectors | 2026-2027 | 6,000 | 4,000 | | 2,000 | - | | 2,000 | 1,240 | 760 |
| 36 | Defibrillators | 2026-2027 | 6,000 | 4,000 | | 2,000 | - | | 2,000 | 1,240 | 760 |
| 37 | Thermal Imaging Camera | 2026-2027 | 13,000 | 8,600 | | 4,400 | - | | 4,400 | 2,728 | 1,672 |
| 38 | Auto Extrication Equipment | 2026-2027 | 57,000 | 37,600 | | 19,400 | - | | 19,400 | 12,028 | 7,372 |
| | Air Bags | 2026-2027 | 11,000 | 7,300 | | 3,700 | - | | 3,700 | 2,294 | 1,406 |
| | Fire Hose | 2026-2027 | 43,000 | 28,400 | | 14,600 | - | | 14,600 | 9,052 | 5,548 |
| 41 | Bunker Gear | 2026-2027 | 41,000 | 27,100 | | 13,900 | - | | 13,900 | 8,618 | 5,282 |
| | Station Exhaust System | 2026-2027 | 56,000 | 37,000 | | 19,000 | - | | 19,000 | 11,780 | 7,220 |
| 43 | Protective Gear & Uniform Clothing | 2026-2027 | 48,000 | 31,700 | | 16,300 | - | | 16,300 | 10,106 | 6,194 |
| | Glanbrook Growth Area Station Expansion/Renovation | | | _ | | _ | | | | | |
| 1 11 1 | Additional Firefighting Equipment at Glanbrook Growth Area | 2021-2022 | 89,000 | - | | 89,000 | 22,300 | | 66,700 | 41,354 | 25,346 |
| | Winona Growth Area | | | | | | | | | | |

City of Hamilton Service: Fire Services

| | | | | | | | Less: | Potential D.C. Reco | verable Cost | | |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|--------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 62% | Non-Residential Share 38% |
| 45 | Additional Firefighting Equipment at Winona Growth Area | 2021-2022 | 89,000 | - | | 89,000 | 22,300 | | 66,700 | 41,354 | 25,346 |
| | Upper Stoney Creek Growth Area | | | | | | | | | | |
| 46 | Additional Firefighting Equipment at Upper Stoney Creek Station | 2026-2027 | 89,000 | 18,700 | | 70,300 | 22,300 | | 48,000 | 29,760 | 18,240 |
| 47 | Reserve Fund Adjustment | | | - | | | 4,043,435 | | (4,043,435) | (2,506,930) | (1,536,505) |
| | | | | | | | | | · | | |
| | Total | | 40,198,816 | 6,714,900 | - | 33,483,916 | 9,744,235 | - | 23,739,681 | 14,718,602 | 9,021,079 |

3. Police Services

City of Hamilton

Service: Police Services

| | | | | | | | | Less: | Potentia | al D.C. Recov | erable Cost |
|-------------------|--|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|--|-------------------|-----------------------------|---------------------------------|
| Project Number | | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 62% | Non-Residential Share 38% |
| | <u>Facilities</u> | | | | | | | | | | |
| 1 | Marine Facility Expansion & Replacement | 2019 | 5,148,000 | 1 | | 5,148,000 | 2,059,200 | | 3,088,800 | 1,915,056 | 1,173,744 |
| 2 | Additional Police Facility Requirements - Station 40 | 2025 | 25,500,000 | 23,103,000 | | 2,397,000 | - | | 2,397,000 | 1,486,140 | 910,860 |
| 3 | Investigative Services Division (ISD) Forensics Headquarters | 2019 | 25,824,000 | - | | 25,824,000 | 13,471,600 | | 12,352,400 | 7,658,488 | 4,693,912 |
| 4 | Growth Related Component of ISD Forensics Headquarters Debt Interest (Discounted) | 2019-2033 | 469,698 | - | 7 | 469,698 | - | | 469,698 | 291,213 | 178,485 |
| 5 | Backup Data Centre/Disaster Recovery Facility Space Expansion | 2020 | 281,000 | 254,600 | | 26,400 | - | | 26,400 | 16,368 | 10,032 |
| 6 | Debt Principal on Divisional 30 Headquarters | 2019 | 302,808 | | | 302,808 | - | | 302,808 | 187,741 | 115,067 |
| 7 | Debt Interest (Discounted) on Divisional 30 Headquarters | 2019 | 7,570 | - | | 7,570 | - | | 7,570 | 4,694 | 2,877 |
| 8 | Debt Principal (Discounted) - Shared Training Facility | 2019-2027 | 2,062,182 | | | 2,062,182 | - | | 2,062,182 | 1,278,553 | 783,629 |
| 9 | Debt Interest (Discounted) - Shared Training Facility | 2019-2027 | 888,379 | | | 888,379 | - | | 888,379 | 550,795 | 337,584 |
| 10 | Communication/9-1-1 Centre Expansion | 2020 | 500,000 | - | | 500,000 | 250,000 | | 250,000 | 155,000 | 95,000 |
| 11 | Communications Centre Facility Expansion | 2019 | 401,900 | - | | 401,900 | 201,000 | | 200,900 | 124,558 | 76,342 |
| | Vehicles & Equipment | | | | | | | | | | |
| 12 | Station 40 Equipment | 2025 | 213,000 | 193,000 | | 20,000 | - | | 20,000 | 12,400 | 7,600 |
| 13 14 | Command Van Marine Vessal (Hike) | 2020 2019 | 750,000 | - | | 750,000 | 275,600 | | 474,400 | 294,128 | 180,272 |
| 15 | Ice Rescue | 2019 | 800,000 82,000 | - | | 800,000 82,000 | - | | 800,000 82,000 | 496,000 50,840 | 304,000 31,160 |
| 16 | Additional Cruisers (46) | 2019-2031 | 1,490,400 | - | | 1,490,400 | | | 1,490,400 | 924,048 | 566,352 |
| 17 | Equipment for Officers (200) | 2019-2031 | 680,000 | 68,000 | | 612,000 | | | 612,000 | 379,440 | 232,560 |
| 18 | Equipment for Senior Officers (2) | 2019-2031 | 7,200 | 700 | | 6,500 | - | | 6,500 | 4,030 | 2,470 |
| 19 | Equipment for Special Constables (21) | 2019-2031 | 46,200 | 4,600 | | 41,600 | | | 41,600 | 25,792 | 15,808 |
| 20 | Equipment for Cadets (2) | 2019-2031 | 5,400 | 500 | | 4,900 | _ | | 4,900 | 3,038 | 1,862 |
| 21 | Equipment for Auxiliary Officers (12) | 2019-2031 | 30,600 | 3,100 | | 27,500 | _ | | 27,500 | 17,050 | 10,450 |
| 22 | Portable Radios (200) | 2019-2031 | 1,177,100 | 117,700 | | 1,059,400 | - | | 1,059,400 | 656,828 | 402,572 |

City of Hamilton

Service: Police Services

| | | | | | | | | Less: | Potenti | al D.C. Recov | erable Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|--|-------------|-----------------------------|---------------------------------|
| Project Number | | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 62% | Non-Residential Share 38% |
| 23 | Vehicle Equipment (46) | 2019-2031 | 142,600 | 14,300 | | 128,300 | - | | 128,300 | 79,546 | 48,754 |
| 24 | In-Car Mobile Radios / Electronics (46) | 2019-2031 | 427,800 | 42,800 | | 385,000 | - | | 385,000 | 238,700 | 146,300 |
| | | | | | | | | | | | |
| 25 | Reserve Fund Adjustment | | | | | | 1,146,812 | | (1,146,812) | (711,023) | (435,789) |
| | | | | | | | | | | | |
| | Total | | 67,237,836 | 23,802,300 | - | 43,435,536 | 17,404,212 | - | 26,031,324 | 16,139,421 | 9,891,903 |

4. Parking Services

City of Hamilton

Service: Parking Services

| | | | | | | | Le | ss: | | Less: | Potential D.C. Recoverable Cost | | |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-------------|---|---------------------------------|-----------------------------|-------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 63% | Non- Residential Share 37% |
| 1 | Downtown Parking Structure | 2023-2026 | 25,900,000 | - | | 25,900,000 | 3,534,000 | | 22,366,000 | 2,236,600 | 20,129,400 | 12,681,522 | 7,447,878 |
| 2 | West Harbour Development - Parking Structure | 2025-2028 | 30,180,000 | 4,930,000 | | 25,250,000 | 21,824,000 | | 3,426,000 | 342,600 | 3,083,400 | 1,942,542 | 1,140,858 |
| 3 | Reserve Fund Adjustment | | | | | | 3,677,463 | _ | (3,677,463) | | (3,677,463) | (2,316,802) | (1,360,661) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 56,080,000 | 4,930,000 | 7. 7 | 51,150,000 | 29,035,463 | - | 22,114,537 | 2,579,200 | 19,535,337 | 12,307,262 | 7,228,075 |

5. Airport

City of Hamilton Service: Airport Space

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | able Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-------------|---|-------------|-----------------------------|-------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 63% | Non- Residential Share 37% |
| 1 1 | Requirements for Additional Airport Space | 2019-2023 | 14,000,000 | - | | 14,000,000 | - | | 14,000,000 | 1,400,000 | 12,600,000 | 7,938,000 | 4,662,000 |
| 2 | Requirements for Additional Airport Space | 2024-2028 | 14,000,000 | 9,240,000 | | 4,760,000 | - | | 4,760,000 | 476,000 | 4,284,000 | 2,698,920 | 1,585,080 |
| 3 | Reserve Fund Adjustment | | | | | | 1,941,149 | | (1,941,149) | | (1,941,149) | (1,222,924) | (718,225) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 28,000,000 | 9,240,000 | | 18,760,000 | 1,941,149 | - | 16,818,851 | 1,876,000 | 14,942,851 | 9,413,996 | 5,528,855 |

Outdoor Recreation

City of Hamilton

Service: Parkland Development

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recoverab | le Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|--------------------|---|--------------------|-----------------------------|------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share 5% |
| 1 | John St. N. & Rebecca St. Park - | 2019-2022 | 3.860.000 | _ | | 3.860.000 | 3,319,600 | | 540,400 | 54.040 | 486.360 | 462.042 | 24,318 |
| | Master Plan Implementation | 0004 0000 | 200 000 | | | 200 000 | | | 200 000 | , | 740.000 | 711.000 | 07.440 |
| 2 | Nash Orchard Park | 2021-2022 | 832,000 776,000 | <u> </u> | | 832,000 | - | | 832,000 | 83,200 77,600 | 748,800 | 711,360 | 37,440 |
| 3 | Highland Road Park | 2020 | , | | | 776,000 | | | 776,000 | | 698,400 | 663,480 | 34,920 |
| 5 | Highbury Meadows North Park | 2020 | 703,000 969,000 | - | | 703,000 | | | 703,000 969,000 | 70,300 | 632,700 | 601,065 828,495 | 31,635 43,605 |
| | Cherry Beach Lakefront Park The Crossings Park | 2021 2022 | 838,000 | | | 969,000 838,000 | | | 838,000 | 96,900 83,800 | 872,100 754,200 | 716,490 | 37,710 |
| <u>6</u> 7 | Brooks at Rymal Park | 2022 | 883,000 | - | | 883,000 | - | | 883,000 | 88,300 | 754,200 | 716,490 | 37,710 |
| 8 | Lancaster Heights Park | 2020 | 675,000 | | | 675,000 | - | | 675,000 | 67,500 | 607,500 | 577,125 | 39,735 |
| 9 | Fletcher Road Parkette | 2020 | 191,000 | <u>-</u> | | 191,000 | - | | 191,000 | 19,100 | 171,900 | 163,305 | 8,595 |
| 10 | Ancaster Meadows Park | 2022 | 641,000 | | | 641,000 | - | | 641.000 | 64,100 | 576,900 | 548,055 | 28,845 |
| 11 | Parkside Hills Park | 2019 | 607,000 | | | 607,000 | | | 607,000 | 60,700 | 546,300 | 518,985 | 27,315 |
| 12 | Clear Skies proposed park | 2023-2024 | 978,000 | | | 978,000 | | | 978.000 | 97,800 | 880,200 | 836,190 | 44,010 |
| 13 | Gatesbury Park Upgrades - New fitness area, skateboard feature and basketball | 2019-2021 | 498,000 | - | | 498,000 | 498,000 | | - | - | - | - | - |
| 14 | Meadowlands Community Park Spraypad | 2019-2020 | 475,000 | - | | 475,000 | 237,500 | | 237,500 | 23,750 | 213,750 | 203,063 | 10,688 |
| 15 | Broughton West Park Upgrade for New Spray Pad | 2021-2022 | 475,000 | - | | 475,000 | 237,500 | | 237,500 | 23,750 | 213,750 | 203,063 | 10,688 |
| 16 | Alexander Park - Upgrade for new skate park | 2019 | 532,000 | • | | 532,000 | 266,000 | | 266,000 | 26,600 | 239,400 | 227,430 | 11,970 |
| 17 | Mcquesten Park - Additional Fitness Equipment | 2020 | 270,000 | - | | 270,000 | 135,000 | | 135,000 | 13,500 | 121,500 | 115,425 | 6,075 |
| 18 | Waterfalls Viewing - Albion Falls New Access on South Side | 2019 | 1,320,000 | - | | 1,320,000 | 660,000 | | 660,000 | 66,000 | 594,000 | 564,300 | 29,700 |
| 19 | Chedoke Falls - New Access to Upper and Lower Falls | 2019-2022 | 4,528,000 | - | | 4,528,000 | 2,264,000 | | 2,264,000 | 226,400 | 2,037,600 | 1,935,720 | 101,880 |
| 20 | Skateboard Study Implementation at Various Locations Throughout the City | 2019-2028 | 11,190,000 | 6,714,000 | | 4,476,000 | - | | 4,476,000 | 447,600 | 4,028,400 | 3,826,980 | 201,420 |
| 21 | Johnson Tew New Arboretum | 2019-2021 | 150,000 | - | | 150,000 | 75,000 | | 75,000 | 7,500 | 67,500 | 64,125 | 3,375 |
| 22 | Billy Sherring - Class C Field Replace & Upgrade to Class A Artificial | 2027 | 1,200,000 | 1,115,700 | | 84,300 | 84,300 | | - | - | - | - | - |
| 23 | Waterford Park | 2019-2022 | 1,122,000 | - | | 1,122,000 | 561,000 | | 561,000 | 56,100 | 504,900 | 479,655 | 25,245 |
| 24 | Summit Park Phase 10 Binbrook | 2019 | 500,000 | - | | 500,000 | - | | 500,000 | 50,000 | 450,000 | 427,500 | 22,500 |
| 25 | William Connell Expansion Lands | 2022 | 1,224,000 | - | | 1,224,000 | - | | 1,224,000 | 122,400 | 1,101,600 | 1,046,520 | 55,080 |
| 26 | Roxborough Park | 2019 | 765,000 | - | | 765,000 | 765,000 | | - | - | - | - | - |
| 27 | Provision for Elfrida Park Developments (8 neighbourhood parks & 1 community park) | 2023-2028 | 7,710,200 | 1,542,000 | | 6,168,200 | - | | 6,168,200 | 616,820 | 5,551,380 | 5,273,811 | 277,569 |

City of Hamilton

Service: Parkland Development

| | | | | | | | Le | ess: | | Less: | Potential D.C. Recoverable (| | le Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|------------------------------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share |
| 28 | Waterdown South Skinner Park (Asset ID 1013) | 2019 | 624,000 | - | | 624,000 | - | | 624,000 | 62,400 | 561,600 | 533,520 | 28,080 |
| 29 | Waterdown South Parkette 2 Water Tower (Asset ID 30) | 2023 | 174,000 | - | | 174,000 | - | | 174,000 | 17,400 | 156,600 | 148,770 | 7,830 |
| 30 | Waterdown South Parkette 1 (Asset ID 54) Skinner Road and Burke Avenue | 2021 | 157,000 | - | | 157,000 | | | 157,000 | 15,700 | 141,300 | 134,235 | 7,065 |
| 31 | Waterdown South Smoky Hollow Park (Asset ID 72) | 2021 | 676,000 | - | | 676,000 | - | | 676,000 | 67,600 | 608,400 | 577,980 | 30,420 |
| 32 | Waterdown South Parkette 3 (Asset ID 71) | 2023 | 82,000 | 1 | | 82,000 | - | | 82,000 | 8,200 | 73,800 | 70,110 | 3,690 |
| 33 | Bookjans West Park | 2019 | 570,000 | ı | | 570,000 | 1 | | 570,000 | 57,000 | 513,000 | 487,350 | 25,650 |
| 34 | Heritage Green Community Sports Park - Future Phases | 2021-2023 | 2,405,000 | - | | 2,405,000 | | | 2,405,000 | 240,500 | 2,164,500 | 2,056,275 | 108,225 |
| 35 | Brian Timmis Field Development - Stadium Precinct Park | 2020-2021 | 8,657,000 | - | | 8,657,000 | 4,946,900 | | 3,710,100 | 371,010 | 3,339,090 | 3,172,136 | 166,955 |
| 36 | Fruitland/Winona Parkland Development | 2023 | 1,237,000 | - | /// | 1,237,000 | · | | 1,237,000 | 123,700 | 1,113,300 | 1,057,635 | 55,665 |
| 37 | Red Hill Phase 3 & 4 Park | 2019 | 650,000 | | | 650,000 | • | | 650,000 | 65,000 | 585,000 | 555,750 | 29,250 |
| 38 | Spencer Creek Estates | 2020 | 340,000 | - | | 340,000 | - | | 340,000 | 34,000 | 306,000 | 290,700 | 15,300 |
| 39 | Lewis Road Park (Winona) | 2019-2021 | 700,000 | | | 700,000 | - | | 700,000 | 70,000 | 630,000 | 598,500 | 31,500 |
| 40 | Confederation Park - Little Squirt Works & Area Redevelopment | 2019-2020 | 1,530,000 | - | | 1,530,000 | 765,000 | | 765,000 | 76,500 | 688,500 | 654,075 | 34,425 |
| 41 | Confederation Park - Sports Park Development - Phase 2 (Natural play area, tree planting) | 2020 | 4,243,000 | 2,291,200 | | 1,951,800 | 424,300 | | 1,527,500 | 152,750 | 1,374,750 | 1,306,013 | 68,738 |
| 42 | Confederation Park - Central Village - Pkg. Lot & Roadways, Phase 1 | 2029-2036 | 3,366,000 | 3,366,000 | | - | - | | - | - | - | - | - |
| 43 | Confederation Park - Sports Park Development - Phase 3 (Picnic areas and shelter, parking lot lighting, tree planting, site furniture) | 2020 | 803,000 | 433,600 | | 369,400 | 80,300 | | 289,100 | 28,910 | 260,190 | 247,181 | 13,010 |
| 44 | Confederation Park - Central Village - Public Realm & Square | 2029-2036 | 2,805,000 | 2,805,000 | | | - | | - | - | - | - | - |
| 45 | Confederation Park - West Entrance and Naturalizing the Go Karts Site | 2021-2026 | 612,000 | - | | 612,000 | - | | 612,000 | 61,200 | 550,800 | 523,260 | 27,540 |
| 46 | Confederation Park - Internal Trail Between Central Village and Beaches Grill | 2029-2036 | 204,000 | 204,000 | | - | - | | - | - | - | - | - |
| 47 | Confederation Park - Boardwalk to Beach | 2021-2026 | 459,000 | 275,400 | | 183,600 | - | | 183,600 | 18,360 | 165,240 | 156,978 | 8,262 |

City of Hamilton

Service: Parkland Development

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recoverab | le Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|----------|---|-----------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share |
| 48 | Confederation Park - General Trail Upgrades | 2021-2026 | 204,000 | 61,200 | | 142,800 | 102,000 | | 40,800 | 4,080 | 36,720 | 34,884 | 1,836 |
| 49 | Confederation Park - Group Picnic Area | 2029-2036 | 561,000 | 280,500 | | 280,500 | 280,500 | | - | - | - | - | - |
| 50 | Confederation Park - Central Parking Lot & Volleyball Centre Area | 2029-2036 | 357,000 | 357,000 | | - | | | - | - | - | - | - |
| 51 | Confederation Park Soccer Field Area | 2021-2026 | 51,000 | 36,700 | | 14,300 | 5,100 | | 9,200 | 920 | 8,280 | 7,866 | 414 |
| 52 | Confederation Park - Wild Waterworks Property Upgrades | 2021-2026 | 408,000 | 122,400 | | 285,600 | 204,000 | | 81,600 | 8,160 | 73,440 | 69,768 | 3,672 |
| 53 | Confederation Park - Woodland Restoration - Phase 1 | 2021-2026 | 408,000 | 122,400 | | 285,600 | 204,000 | | 81,600 | 8,160 | 73,440 | 69,768 | 3,672 |
| 54 | Confederation Park - Woodland Restoration - Phase 2 | 2029-2036 | 408,000 | 204,000 | | 204,000 | 204,000 | | - | - | - | - | - |
| 55 | Confederation Park - Van Wagners Marsh Upgrades Phase 1 | 2021-2026 | 408,000 | 122,400 | | 285,600 | 204,000 | | 81,600 | 8,160 | 73,440 | 69,768 | 3,672 |
| 56 | Confederation Park - Van Wagners Marsh Upgrades Phase 2 | 2029-2036 | 408,000 | 204,000 | | 204,000 | 204,000 | | ı | - | ı | - | - |
| 57 | Confederation Park - Signage - Phase 2 | 2021-2026 | 255,000 | 1 | | 255,000 | - | | 255,000 | 25,500 | 229,500 | 218,025 | 11,475 |
| 58 | Confederation Park - Park Corridor Upgrades along Van Wagners Beach Road | 2021-2026 | 612,000 | | | 612,000 | - | | 612,000 | 61,200 | 550,800 | 523,260 | 27,540 |
| 59 | Confederation Park - Lighting along Strip | 2021-2026 | 561,000 | - | | 561,000 | - | | 561,000 | 56,100 | 504,900 | 479,655 | 25,245 |
| | Confederation Park - Pumping station, sanitary forcemain, and electrical servicing for Lakeland area | 2021-2026 | 918,000 | - | | 918,000 | - | | 918,000 | 91,800 | 826,200 | 784,890 | 41,310 |
| 61 | Confederation Park - Public Art & Site Work - Centennial Pkwy Entrance | 2029-2036 | 612,000 | 612,000 | | - | - | | - | - | - | - | - |
| 62 | Confederation Park - Centennial Intersection & Entrance | 2029-2036 | 4,998,000 | 4,998,000 | | - | - | | - | - | - | - | - |
| | Confederation Park - Primary infrastructure for servicing the central village and ice skating facility | 2029-2036 | 2,193,000 | 2,193,000 | | - | - | | - | - | - | - | - |
| | Confederation Park - Services for Adventure Village Expansion | 2029-2036 | 153,000 | 153,000 | | - | - | | - | - | - | - | - |
| 65 | West Harbour Parkland Development - Gas Dock and Marina Services | 2019 | 1,200,000 | - | | 1,200,000 | 600,000 | | 600,000 | 60,000 | 540,000 | 513,000 | 27,000 |

City of Hamilton

Service: Parkland Development

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recoverab | le Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|-----------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share |
| 66 | West Harbour Pier 5-7 Marina Shoreline Rehab (HWT) (Additional funds) | 2019 | 810,000 | - | | 810,000 | 202,500 | | 607,500 | 60,750 | 546,750 | 519,413 | 27,338 |
| 67 | West Harbour Pier 5-7 Boardwalk (HWT) | 2019-2021 | 7,325,000 | - | | 7,325,000 | 1,831,300 | | 5,493,700 | 549,370 | 4,944,330 | 4,697,114 | 247,217 |
| 68 | West Harbour Pier 6 Artisan Village (HWT) | 2021-2021 | 4,170,000 | - | | 4,170,000 | 2,085,000 | | 2,085,000 | 208,500 | 1,876,500 | 1,782,675 | 93,825 |
| 69 | West Harbour Pier 7 Commercial Village (HWT) | 2019 | 3,050,000 | ı | | 3,050,000 | 1,525,000 | | 1,525,000 | 152,500 | 1,372,500 | 1,303,875 | 68,625 |
| 70 | West Harbour Pier 8 Shorewall Rehab | 2019-2028 | 16,575,000 | 5,920,600 | | 10,654,400 | 9,945,000 | | 709,400 | 70,940 | 638,460 | 606,537 | 31,923 |
| 71 | West Harbour Macassa Bay - Shoreline Improvements | 2019-2028 | 5,305,000 | 3,553,000 | | 1,752,000 | 1,326,300 | | 425,700 | 42,570 | 383,130 | 363,974 | 19,157 |
| 72 | West Harbour Macassa Bay Boardwalk and Trail | 2019-2028 | 7,000,000 | 4,688,300 | | 2,311,700 | 1,750,000 | | 561,700 | 56,170 | 505,530 | 480,254 | 25,277 |
| 73 | West Harbour Pier 8 Greenway | 2021-2028 | 1,235,000 | 661,700 | | 573,300 | 494,000 | | 79,300 | 7,930 | 71,370 | 67,802 | 3,569 |
| 74 | West HarbourBayfront Park Upgrades Phase 3 (Entrance Fountain) | 2021-2028 | 780,000 | 174,100 | | 605,900 | 585,000 | | 20,900 | 2,090 | 18,810 | 17,870 | 941 |
| 75 | West Harbour - Bayview Park Remediation and Redevelopment | 2021-2028 | 2,275,000 | 1,015,800 | 1 | 1,259,200 | 1,137,500 | | 121,700 | 12,170 | 109,530 | 104,054 | 5,477 |
| | Trails | | | | | | • | | | | | | |
| 76 | Ancaster Creek Trail | 2023 | 920,500 | | | 920,500 | 1 | | 920,500 | 92,050 | 828,450 | 787,028 | 41,423 |
| 77 | Churchill Park Trail | 2020-2022 | 381,000 | | | 381,000 | • | | 381,000 | 38,100 | 342,900 | 325,755 | 17,145 |
| 78 | Chedoke Rail Trail Extension | 2029-2030 | 240,300 | 240,300 | | - | , | | = | 1 | = | ı | - |
| 79 | Chedoke Rail Trail, Claremont Link | 2029-2030 | 245,200 | 245,200 | | - | - | | - | - | - | - | - |
| 80 | Glenburn Court - Battlefield Creek Trail | 2024 | 235,100 | - | | 235,100 | - | | 235,100 | 23,510 | 211,590 | 201,011 | 10,580 |
| 81 | Sam Manson Park Trail | 2020 | 104,200 | - | | 104,200 | - | | 104,200 | 10,420 | 93,780 | 89,091 | 4,689 |
| 82 | Park Trail Connections - Upper James St. to Limeridge Mall Hydro Corridor Trail | 2027-2031 | 969,600 | 436,300 | | 533,300 | 484,800 | | 48,500 | 4,850 | 43,650 | 41,468 | 2,183 |
| 83 | First Road West Link | 2021-2022 | 376,200 | - | | 376,200 | - | | 376,200 | 37,620 | 338,580 | 321,651 | 16,929 |
| 84 | Heritage Green Sports Park Link | 2022 | 200,000 | - | | 200,000 | - | | 200,000 | 20,000 | 180,000 | 171,000 | 9,000 |
| 85 | Summerlea West Park - Fletcher Road Parkette Link | 2027 | 687,000 | 618,300 | | 68,700 | - | | 68,700 | 6,870 | 61,830 | 58,739 | 3,092 |
| 86 | Filman Road Link - North Segment | 2022 | 275,900 | - | | 275,900 | - | | 275,900 | 27,590 | 248,310 | 235,895 | 12,416 |
| 87 | Filman Road Link - South Segment | 2022 | 539,700 | - | | 539,700 | - | | 539,700 | 53,970 | 485,730 | 461,444 | 24,287 |
| 88 | Meadowlands Trail System Links | 2020-2024 | 1,700,000 | - | | 1,700,000 | - | | 1,700,000 | 170,000 | 1,530,000 | 1,453,500 | 76,500 |
| 89 | Tollgate Drive Link | 2030 | 259,400 | 259,400 | | - | · | | - | - | - | - | - |
| 90 | Spencer Creek, Main Street and Thorpe Street Link | 2029-2031 | 3,731,000 | 3,731,000 | | - | - | | - | - | - | - | - |
| 91 | Spencer Creek, Mercer Street and Governor's Road Lin | 2029-2031 | 710,300 | 710,300 | | - | - | | - | - | - | - | - |

City of Hamilton

Service: Parkland Development

| | | | | | | | Le | ss: | | Less: | Potential | D.C. Recoverab | le Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|------------|---|------------|----------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share | Non- Residential Share |
| | 2019-2028 | | | | | | | Development | | | | 95% | 5% |
| 92 | Cascade Trail Link | 2029-2031 | 313,500 | 313,500 | | - | | | - | - | - | - | - |
| 93 | Dundas Valley Link | 2029-2031 | 1,138,000 | 1,138,000 | | - | - | | | - | - | - | - |
| 94 | Borer's Creek Trail Link | 2027 | 786,200 | 629,000 | | 157,200 | - | | 157,200 | 15,720 | 141,480 | 134,406 | 7,074 |
| 95 | Waterdown Pipeline Trail Link | 2019-2020 | 422,000 | - | | 422,000 | 211,000 | | 211,000 | 21,100 | 189,900 | 180,405 | 9,495 |
| 96 | Parkside Drive - Robson Link | 2019 | 181,500 | - | | 181,500 | | | 181,500 | 18,150 | 163,350 | 155,183 | 8,168 |
| 97 | Highway 5 - Mountain Brow Road Link | 2019 | 600,000 | - | | 600,000 | - | | 600,000 | 60,000 | 540,000 | 513,000 | 27,000 |
| 98 | East Mountain Trail Loop | 2019-2020 | 854,000 | - | | 854,000 | 811,300 | | 42,700 | 4,270 | 38,430 | 36,509 | 1,922 |
| 99 | Joe Sam's New Trail Connection Through the Park | 2019-2020 | 100,000 | - | | 100,000 | - | | 100,000 | 10,000 | 90,000 | 85,500 | 4,500 |
| 100 | Confederation Park - Growth Related Debt Interest (Discounted) | 2019-2034 | 1,573,689 | 722,300 | | 851,389 | - | | 851,389 | | 851,389 | 808,820 | 42,569 |
| 101 | Reserve Fund Adjustment | | 4,812,660 | - | | 4,812,660 | | | 4,812,660 | | 4,812,660 | 4,572,027 | 240,633 |
| | | | | | | | | | - | | - | - | - |
| | Total | | 159,803,149 | 53,270,600 | | 106,532,549 | 39,715,700 | • | 66,816,849 | 6,115,280 | 60,701,569 | 57,666,491 | 3,035,078 |

7. Indoor Recreation

City of Hamilton

Service: Indoor Recreation Facilities

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | ble Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|---|------------|---|------------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share |
| 1 | Valley Park Community Centre Expansion | 2019-2021 | 1,800,000 | ı | | 1,800,000 | 180,000 | | 1,620,000 | 162,000 | 1,458,000 | 1,385,100 | 72,900 |
| | Norman Pinky Lewis Recreation Centre Expansion | 2023-2025 | 6,600,000 | - | | 6,600,000 | 3,300,000 | | 3,300,000 | 330,000 | 2,970,000 | 2,821,500 | 148,500 |
| 3 | Winona Community Centre | 2022-2024 | 26,500,000 | ı | | 26,500,000 | | | 26,500,000 | 2,650,000 | 23,850,000 | 22,657,500 | 1,192,500 |
| 4 | Elfrida Community Centre | 2027-2036 | 27,500,000 | 22,000,000 | | 5,500,000 | 7 | | 5,500,000 | 550,000 | 4,950,000 | 4,702,500 | 247,500 |
| | Binbrook Community Centre | 2028 | 27,500,000 | 14,575,000 | | 12,925,000 | - | | 12,925,000 | 1,292,500 | 11,632,500 | 11,050,875 | 581,625 |
| | Sackville Expansion | 2026 | 6,700,000 | - | | 6,700,000 | - | | 6,700,000 | 670,000 | 6,030,000 | 5,728,500 | 301,500 |
| 7 | Waterdown Community Centre | 2025-2027 | 27,000,000 | - | | 27,000,000 | - | | 27,000,000 | 2,700,000 | 24,300,000 | 23,085,000 | 1,215,000 |
| | Riverdale Community Hub & Domenic Agostino Riverdale Community Centre Expansion | 2020-2022 | 11,000,000 | - | | 11,000,000 | | | 11,000,000 | 1,100,000 | 9,900,000 | 9,405,000 | 495,000 |
| 9 | Riverdale Community Hub & Domenic Agostino Riverdale Community Centre Expansion - Growth Related Debt Interest (Discounted) | 2023-2038 | 1,436,413 | | | 1,436,413 | - | | 1,436,413 | | 1,436,413 | 1,364,592 | 71,821 |
| 10 | William Connell Park Washroom and changeroom Facilities (under construction) | 2019 | 3,700,000 | | | 3,700,000 | - | | 3,700,000 | 370,000 | 3,330,000 | 3,163,500 | 166,500 |
| 11 | Sir Wilfrid Laurier Gymnasium | 2020-2021 | 8,650,000 | - | | 8,650,000 | - | | 8,650,000 | 865,000 | 7,785,000 | 7,395,750 | 389,250 |
| 12 | Sir Wilfrid Laurier Gymnasium - Growth Related Debt Interest (Discounted) | 2022-2037 | 1,488,247 | - | | 1,488,247 | - | | 1,488,247 | | 1,488,247 | 1,413,835 | 74,412 |
| 13 | Mt. Hope new Rec Centre | 2025-2028 | 4,850,000 | - | | 4,850,000 | - | | 4,850,000 | 485,000 | 4,365,000 | 4,146,750 | 218,250 |
| 14 | Ancaster Tennis Bubble | 2019-2020 | 1,000,000 | -/ | | 1,000,000 | - | | 1,000,000 | 100,000 | 900,000 | 855,000 | 45,000 |
| 15 | Parkdale Outdoor Pool Washroom & Changeroom | 2019-2021 | 3,000,000 | - | | 3,000,000 | 2,640,000 | | 360,000 | 36,000 | 324,000 | 307,800 | 16,200 |
| 16 | Dundas Valley Washroom | 2019 | 565,000 | - | | 565,000 | - | | 565,000 | 56,500 | 508,500 | 483,075 | 25,425 |
| 17 | Durand Park Washroom Building | 2019 | 325,000 | ı | | 325,000 | - | | 325,000 | 32,500 | 292,500 | 277,875 | 14,625 |
| 18 | Stadium Precinct Park Fieldhouses & Washrooms | 2020 | 5,200,000 | - | | 5,200,000 | - | | 5,200,000 | 520,000 | 4,680,000 | 4,446,000 | 234,000 |
| 1 14 | Confederation Park - Sports Park Buildings Phase 1: Gatehouse | 2019 | 700,000 | - | | 700,000 | ı | | 700,000 | 70,000 | 630,000 | 598,500 | 31,500 |
| | Confederation Park - Sports Park Buildings Phase 2: Fieldhouse and Staff Works Yard | 2020-2024 | 5,500,000 | - | | 5,500,000 | - | | 5,500,000 | 550,000 | 4,950,000 | 4,702,500 | 247,500 |
| 21 | Confederation Park - Ice skating rink/loop, field house & zamboni | 2027-2036 | 3,570,000 | - | | 3,570,000 | - | | 3,570,000 | 357,000 | 3,213,000 | 3,052,350 | 160,650 |

City of Hamilton

Service: Indoor Recreation Facilities

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recoveral | ble Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|---|-------------|---|-------------|-----------------------------|------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share 5% |
| 22 | West Harbour Washroom/Concession | 2021-2022 | 1,000,000 | - | | 1,000,000 | 500,000 | | 500,000 | 50,000 | 450,000 | 427,500 | 22,500 |
| 23 | Reserve Fund Adjustment | | | | | | 5,942,749 | | (5,942,749) | | (5,942,749) | (5,645,612) | (297,137) |
| | | | | | | | | | | | | | |
| | Total | | 175,584,660 | 36,575,000 | | 139,009,660 | 12,562,749 | - | 126,446,911 | 12,946,500 | 113,500,411 | 107,825,390 | 5,675,021 |

8. Library Services

City of Hamilton

Service: Library Facilities & Vehicles

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recover | able Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|-----------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share |
| 1 | South Mountain Complex - Turner Park - Debt Principal (Discounted) | 2019-2023 | 1,129,104 | - | | 1,129,104 | - | | 1,129,104 | | 1,129,104 | 1,072,648 | 56,455 |
| 2 | South Mountain Complex - Turner Park - Debt Interest (Discounted) | 2019-2023 | 94,210 | - | | 94,210 | | | 94,210 | | 94,210 | 89,500 | 4,711 |
| | Binbrook Expansion Growth Related Debt Principal | 2020-2035 | 2,016,500 | - | | 2,016,500 | 998,000 | | 1,018,500 | | 1,018,500 | 967,575 | 50,925 |
| 4 | Binbrook Expansion Growth Related Debt Interest (Discounted) | 2020-2035 | 243,530 | - | | 243,530 | - | | 243,530 | | 243,530 | 231,353 | 12,176 |
| | Valley Park - Expansion & Renovation - Construction* | 2020 | 6,452,000 | - | | 6,452,000 | 262,000 | 1,250,000 | 4,940,000 | 494,000 | 4,446,000 | 4,223,700 | 222,300 |
| 6 | Valley Park - Furnishings for Expansion | 2020 | 1,347,000 | - | | 1,347,000 | - | | 1,347,000 | 134,700 | 1,212,300 | 1,151,685 | 60,615 |
| 7 | Valley Park - Expansion - Growth Related Debt Interest (Discounted) | 2020-2035 | 1,215,970 | · | | 1,215,970 | - | | 1,215,970 | | 1,215,970 | 1,155,171 | 60,798 |
| | Winona/Stoney Creek - New - Furnishings for New Facility | 2024-2025 | 1,000,000 | - | | 1,000,000 | - | | 1,000,000 | 100,000 | 900,000 | 855,000 | 45,000 |
| 9 | Winona/Stoney Creek - New - Construction (Estimated 9,000 sq. ft.) | 2024-2025 | 5,000,000 | · | | 5,000,000 | - | | 5,000,000 | 500,000 | 4,500,000 | 4,275,000 | 225,000 |
| 10 | Mount Hope - Replacement & Expansion - Construction (Estimated 5,000 sq. ft.) | 2022-2023 | 3,500,000 | - | | 3,500,000 | 1,841,400 | | 1,658,600 | 165,860 | 1,492,740 | 1,418,103 | 74,637 |
| | Mount Hope - New - Furnishings for Expansion | 2022-2023 | 500,000 | - | | 500,000 | - | | 500,000 | 50,000 | 450,000 | 427,500 | 22,500 |
| 12 | Ancaster - Expansion - Construction (estimated 20,000 sq. ft.) | 2024 | 8,500,000 | - | | 8,500,000 | 5,590,000 | | 2,910,000 | 291,000 | 2,619,000 | 2,488,050 | 130,950 |
| | Ancaster Furnishings for Expansion | 2024 | 1,500,000 | - | | 1,500,000 | - | | 1,500,000 | 150,000 | 1,350,000 | 1,282,500 | 67,500 |
| 14 | Bookmobile - Electronic | 2020 | 550,000 | - | | 550,000 | - | | 550,000 | 55,000 | 495,000 | 470,250 | 24,750 |
| 15 | Greensville - New Library | 2019 | 2,434,000 | - | | 2,434,000 | 1,789,700 | | 644,300 | 64,430 | 579,870 | 550,877 | 28,994 |

City of Hamilton

Service: Library Facilities & Vehicles

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | able Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|---|------------|---|------------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share |
| 16 | Greensville - Furnishings | 2019 | 441,000 | - | | 441,000 | - | | 441,000 | 44,100 | 396,900 | 377,055 | 19,845 |
| 17 | Carlisle - Replacement/Renovation | 2020 | 2,500,000 | - | | 2,500,000 | 2,500,000 | | - | - | - | ı | - |
| 18 | Lower City New/Expanded Library (Estimated 8,000 sq. ft.) | 2025 | 5,241,000 | 4,533,500 | | 707,500 | | | 707,500 | 70,750 | 636,750 | 604,913 | 31,838 |
| 19 | Elfrida - New Branch (Estimated 12,000 sq. ft.) | 2030 | 7,000,000 | 7,000,000 | | | | | - | - | - | - | - |
| 20 | Central Library - Phase IV - Local History & Archives - Renovations | 2022 | 1,500,000 | | | 1,500,000 | 1,500,000 | | - | - | - | - | - |
| 21 | New Permanent Location For Red Hill (Estimated 15,000 sq. ft.) | 2025 | 8,000,000 | 1,494,700 | | 6,505,300 | 6,272,000 | | 233,300 | 23,330 | 209,970 | 199,472 | 10,499 |
| 22 | Saltfleet Move to Stoney Creek (Estimated 15,000 sq. ft.) | 2025 | 8,000,000 | 1,581,000 | | 6,419,000 | 6,172,300 | | 246,700 | 24,670 | 222,030 | 210,929 | 11,102 |
| 23 | New North End Branch (Estimated 8,000 sq. ft.) | 2025 | 5,500,000 | 4,757,500 | | 742,500 | - | | 742,500 | 74,250 | 668,250 | 634,838 | 33,413 |
| 24 | Reserve Fund Adjustment | | 140,657 | - | | 140,657 | - | | 140,657 | | 140,657 | 133,624 | 7,033 |
| | Total | | 73,804,970 | 19,366,700 | - | 54,438,270 | 26,925,400 | 1,250,000 | 26,262,870 | 2,242,090 | 24,020,780 | 22,819,741 | 1,201,039 |

^{*}Valley Park Community Donations is part of BTE

City of Hamilton

Service: Library Collection Materials

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | ble Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|-----------|-----------------------------|------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 95% | Non- Residential Share 5% |
| 1 | Valley Park - Expansion - Materials | 2020 | 1,272,300 | - | | 1,272,300 | - | | 1,272,300 | 127,230 | 1,145,070 | 1,087,817 | 57,254 |
| 2 | Winona/Stoney Creek - New - Materials | 2024-2025 | 405,200 | - | | 405,200 | - | | 405,200 | 40,520 | 364,680 | 346,446 | 18,234 |
| 3 | Mount Hope Materials | 2022-2023 | 396,400 | - | | 396,400 | - | | 396,400 | 39,640 | 356,760 | 338,922 | 17,838 |
| 4 | Ancaster Materials | 2024 | 593,600 | - | | 593,600 | - | | 593,600 | 59,360 | 534,240 | 507,528 | 26,712 |
| 5 | Greensville Materials | 2019 | 121,700 | - | | 121,700 | - | | 121,700 | 12,170 | 109,530 | 104,054 | 5,477 |
| 6 | Carlisle Materials | 2020 | 125,000 | - | | 125,000 | - | | 125,000 | 12,500 | 112,500 | 106,875 | 5,625 |
| 7 | Expanded Lower City Branch Materials | 2025 | 262,050 | 226,673 | | 35,377 | - | | 35,377 | 3,538 | 31,839 | 30,247 | 1,592 |
| 8 | Red Hill Permanent Location Materials | 2025 | 620,000 | 536,300 | | 83,700 | - | | 83,700 | 8,370 | 75,330 | 71,564 | 3,767 |
| 9 | Saltfleet - Expansion - Materials | 2025 | 620,400 | 536,646 | | 83,754 | - | | 83,754 | 8,375 | 75,379 | 71,610 | 3,769 |
| 10 | New North End Branch Materials | 2025 | 400,000 | 346,000 | | 54,000 | - | | 54,000 | 5,400 | 48,600 | 46,170 | 2,430 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 4,816,650 | 1,645,619 | - | 3,171,031 | - | - | 3,171,031 | 317,103 | 2,853,928 | 2,711,232 | 142,696 |

9. Paramedics

City of Hamilton

Service: Paramedics Facilities

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | ble Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|-----------|---|-----------|----------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share | Non- Residential Share |
| | 2019-2028 | | | | | | | Development | | | | 90% | 10% |
| 1 | Additional Facility Space | 2019-2028 | 4,400,000 | 3,040,000 | | 1,360,000 | - | | 1,360,000 | 136,000 | 1,224,000 | 1,101,600 | 122,400 |
| 3 | Outstanding Debt on Shared Training Facility - Principal | 2019-2027 | 557,809 | - | | 557,809 | - | | 557,809 | | 557,809 | 502,028 | 55,781 |
| 4 | Outstanding Debt on Shared Training Facility - Interest (discounted) | 2019-2027 | 10,540 | | | 10,540 | - | | 10,540 | | 10,540 | 9,486 | 1,054 |
| 5 | Reserve Fund Adjustment | | 401,196 | 1 | | 401,196 | - | | 401,196 | | 401,196 | 361,076 | 40,120 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 5,369,545 | 3,040,000 | | 2,329,545 | - | - | 2,329,545 | 136,000 | 2,193,545 | 1,974,190 | 219,354 |

City of Hamilton

Service: Paramedics Vehicles & Equipment

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | able Cost |
|-------------------|---|------------------|---|------------------------|---------------------|---------------------|---------------------------------------|--|-----------|---|-----------|----------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share | Non- Residential Share |
| | 2019-2028 | | | | | | | Development | | | | 90% | 10% |
| 1 | Additional Ambulances (5) | 2019-2023 | 1,340,000 | - | | 1,340,000 | - | | 1,340,000 | 134,000 | 1,206,000 | 1,085,400 | 120,600 |
| 2 | Additional Ambulances (5) | 2024-2028 | 1,340,000 | 1,279,700 | | 60,300 | - | | 60,300 | 6,030 | 54,270 | 48,843 | 5,427 |
| 3 | Additional Defibrillators (6) | 2019-2023 | 180,600 | - | | 180,600 | | | 180,600 | 18,060 | 162,540 | 146,286 | 16,254 |
| 4 | Additional Defibrillators (7) | 2024-2028 | 210,700 | 201,200 | | 9,500 | 7 | | 9,500 | 950 | 8,550 | 7,695 | 855 |
| 5 | Additional Stretchers (6) | 2019-2023 | 134,400 | - | | 134,400 | - | | 134,400 | 13,440 | 120,960 | 108,864 | 12,096 |
| 6 | Additional Stretchers (7) | 2024-2028 | 156,800 | 149,700 | | 7,100 | - | | 7,100 | 710 | 6,390 | 5,751 | 639 |
| 7 | Additional Gear (5) | 2019-2023 | 60,000 | - | | 60,000 | - | | 60,000 | 6,000 | 54,000 | 48,600 | 5,400 |
| 8 | Additional Gear (5) | 2024-2028 | 60,000 | 57,300 | | 2,700 | - | | 2,700 | 270 | 2,430 | 2,187 | 243 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 3,482,500 | 1,687,900 | - | 1,794,600 | - | - | 1,794,600 | 179,460 | 1,615,140 | 1,453,626 | 161,514 |

10. Long Term Care

City of Hamilton

Space: Long Term Care Facilities

| | | | | | | | Le | ess: | | Less: | Potential I | D.C. Recovera | able Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-------------|---|-------------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 90% | Non- Residential Share |
| 1 | Macassa-D Wing Expansion (52,500 sq ft) | 2021-2026 | 23,700,000 | - | | 23,700,000 | 12,280,000 | 5,280,000 | 6,140,000 | 614,000 | 5,526,000 | 4,973,400 | 552,600 |
| 2 | Macassa-A Wing / S Wing Renovation/Replacement (69,136 sq ft) | 2025-2030 | 22,143,000 | - | | 22,143,000 | 22,143,000 | | - | - | - | - | - |
| 3 | Reserve Fund Adjustment | | - | - | | | 2,062,227 | | (2,062,227) | | (2,062,227) | (1,856,004) | (206,223) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 45,843,000 | - | | 45,843,000 | 36,485,227 | 5,280,000 | 4,077,773 | 614,000 | 3,463,773 | 3,117,396 | 346,377 |

11. Social Housing

City of Hamilton

Service: Social Housing

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recoveral | ole Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-------------|--|-------------|------------------------------|------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 100% | Non- Residential Share 0% |
| 1 | Provision for Additional Social Housing | 2019-2023 | 193,750,000 | 13,562,500 | | 180,187,500 | 160,270,000 | | 19,917,500 | 1,991,750 | 17,925,750 | 17,925,750 | - |
| 2 | Provision for Additional Social Housing | 2024-2028 | 227,660,000 | 39,157,500 | | 188,502,500 | 188,320,400 | | 182,100 | 18,210 | 163,890 | 163,890 | - |
| 3 | Bay-Cannon (Replace 45 units and expand by 10 units) | 2019-2023 | 16,600,000 | - | | 16,600,000 | 16,078,400 | | 521,600 | 52,160 | 469,440 | 469,440 | - |
| 4 | 55 Queenston Phase 1 (41 Units Replacement of Units from other locations) | 2019-2023 | 10,529,000 | - | | 10,529,000 | 10,529,000 | | - | - | - | - | - |
| 5 | Wellington-King William (Replace 14 units and expand by 6 units) | 2019-2023 | 5,743,000 | - | | 5,743,000 | 5,445,300 | | 297,700 | 29,770 | 267,930 | 267,930 | - |
| 6 | Macassa (Replace 45 units and expand by 20 units) | 2019-2023 | 15,554,000 | - | | 15,554,000 | 14,727,100 | | 826,900 | 82,690 | 744,210 | 744,210 | - |
| 7 | MacNab (Rehab 146 units) | 2019-2023 | 16,282,000 | - | | 16,282,000 | 10,382,000 | 5,900,000 | - | - | - | - | - |
| 8 | 55 Queenston Phase 2 (52 Additional Units) | 2019-2023 | 13,350,000 | - | | 13,350,000 | 11,043,100 | | 2,306,900 | 230,690 | 2,076,210 | 2,076,210 | - |
| 9 | Riverdale Community Hub (44 units) | 2019-2023 | 11,040,000 | - | | 11,040,000 | 9,132,300 | | 1,907,700 | 190,770 | 1,716,930 | 1,716,930 | - |
| | Reserve Fund Adjustment | | | | | | 7,225,830 | | (7,225,830) | (722,583) | (6,503,247) | (6,503,247) | - |
| | Total | | 510,508,000 | 52,720,000 | - | 457,788,000 | 433,153,430 | 5,900,000 | 18,734,570 | 1,873,457 | 16,861,113 | 16,861,113 | - |

12. ProvincialOffences Act

City of Hamilton

Service: Provincial Offences Act Facilities

| | | | | | | | Le | ss: | | Less: | Potential | D.C. Recovera | able Cost |
|-------------------|--|------------------|--|---------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|-----------|-----------------------------|-------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 63% | Non- Residential Share 37% |
| 1 | Growth related Debt Principal (Discounted) - New POA Facility | 2019-2034 | 3,173,583 | 1,711,349 | | 1,462,234 | | | 1,462,234 | | 1,462,234 | 921,207 | 541,027 |
| 2 | Growth related Debt Interest (Discounted) - New POA Facility | 2019-2034 | 257,693 | 145,672 | | 112,020 | | 4 | 112,020 | | 112,020 | 70,573 | 41,448 |
| 2 | Reserve Fund Adjustment | | | | | | 232,795 | | (232,795) | | (232,795) | (146,661) | (86,134) |
| | | | | | | | | | | | | | |
| | | | | | | | V | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 3,431,276 | 1,857,021 | | 1,574,254 | 232,795 | - | 1,341,459 | - | 1,341,459 | 845,119 | 496,340 |

13. Health Services

City of Hamilton

Service: Health Services

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | able Cost |
|-------------------|--|------------------|---|---------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|-----------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 90% | Non- Residential Share |
| 1 | Provision for Additional Space | 2024-2028 | 583,000 | - | | 583,000 | - | | 583,000 | 58,300 | 524,700 | 472,230 | 52,470 |
| 2 | Reserve Adjustment | | | | | | 501,809 | | (501,809) | | (501,809) | (451,628) | (50,181) |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 583,000 | - | | 583,000 | 501,809 | - | 81,191 | 58,300 | 22,891 | 20,602 | 2,289 |

14. Social & Child Services

City of Hamilton

Service: Social and Child Services Facilities

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | able Cost |
|-------------------|---|------------------|--|---------------------------|---------------------|---------------------|---------------------------------------|---|----------|---|-----------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 90% | Non- Residential Share |
| 1 | Riverdale Community Hub (Child Care Portion) | 2019-2022 | 2,000,000 | - | | 2,000,000 | - | 2,000,000 | - | - | - | - | - |
| 2 | Reserve Fund Adjustment | | 362,227 | - | | 362,227 | | | 362,227 | | 362,227 | 326,004 | 36,223 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | ~ | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Total | | 2,362,227 | - | | 2,362,227 | - | 2,000,000 | 362,227 | - | 362,227 | 326,004 | 36,223 |

15. Waste Diversion

City of Hamilton

Service: Waste Diversion Services

| | | | | | | | | Less: | | | Less: | Potential | D.C. Recoverab | le Cost |
|-------------------|--|------------------|--|----------------------|---|------------------------|---------------------|------------------------------------|---|------------|---|------------|-----------------------------|--------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Other Deductions* | Gross Capital Cost (2019\$) Waste Diversion Related | Post Period Benefit | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 83% | Non- Residentia I Share 17% |
| 1 | CCF Air Handling Upgrades (to provide for capital improvements to the CCF to mitigate the impacts of the Ontario Compost Quality Standards) | 2019 | 1,734,000 | - | 1,734,000 | 89,000 | 1,645,000 | 1,556,400 | | 88,600 | 8,860 | 79,740 | 66,184 | 13,556 |
| 2 | Diversion Container Replacement and Expansion Program | 2019-2023 | 4,908,750 | - | 4,908,750 | | 4,908,750 | 4,405,900 | | 502,850 | 50,285 | 452,565 | 375,629 | 76,936 |
| 3 | Diversion Container Replacement and Expansion Program | 2024-2028 | 4,908,750 | - | 4,908,750 | - | 4,908,750 | 4,405,900 | | 502,850 | 50,285 | 452,565 | 375,629 | 76,936 |
| 4 | Public Space & Special Event Containers Replacement & Expansion | 2019-2023 | 1,275,000 | 1,020,000 | 255,000 | | 255,000 | 127,500 | | 127,500 | 12,750 | 114,750 | 95,243 | 19,508 |
| 5 | Public Space & Special Event Containers Replacement & Expansion | 2024-2028 | 1,275,000 | 1,020,000 | 255,000 | 2 | 255,000 | 127,500 | | 127,500 | 12,750 | 114,750 | 95,243 | 19,508 |
| 6 | Glanbrook Landfill Capital Improvement Program | 2019-2023 | 1,863,550 | 1,677,195 | 186,355 | - | 186,355 | 18,600 | | 167,755 | 16,776 | 150,980 | 125,313 | 25,667 |
| 7 | Glanbrook Landfill Capital Improvement Program | 2024-2028 | 1,863,550 | 1,677,195 | 186,355 | - | 186,355 | 18,600 | | 167,755 | 16,776 | 150,980 | 125,313 | 25,667 |
| 8 | Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program | 2019-2023 | 1,537,150 | - | 1,537,150 | - | 1,537,150 | 999,100 | | 538,050 | 53,805 | 484,245 | 401,923 | 82,322 |
| 9 | Maintenance & Capital Improvements to the Resource Recovery Centre (RRC) Program | 2024-2028 | 1,537,150 | - | 1,537,150 | | 1,537,150 | 999,100 | | 538,050 | 53,805 | 484,245 | 401,923 | 82,322 |
| 8 | Leaf & Yard Waste Composing Facility Relocation | 2019-2020 | 3,978,000 | | 3,978,000 | - | 3,978,000 | 1,989,000 | | 1,989,000 | 198,900 | 1,790,100 | 1,485,783 | 304,317 |
| 9 | Transfer Station/Community Recycling Centre Expansion & Capital Replacement | 2019-2023 | 10,375,000 | 6,225,000 | 4,150,000 | | 4,150,000 | - | | 4,150,000 | 415,000 | 3,735,000 | 3,100,050 | 634,950 |
| 10 | Transfer Station/Community Recycling Centre Expansion & Capital Replacement | 2024-2028 | 10,375,000 | 6,225,000 | 4,150,000 | 3,320,000 | 830,000 | - | | 830,000 | 83,000 | 747,000 | 620,010 | 126,990 |
| 11 | Material Recycling Facility Lifecycle Replacement & Upgrades | 2020-2022 | 24,150,000 | | 24,150,000 | 2,963,000 | 21,187,000 | 12,075,000 | | 9,112,000 | 911,200 | 8,200,800 | 6,806,664 | 1,394,136 |
| 12 | Provision for additional trucks (2.1 per 4,000 additional low and medium density units) | 2019-2023 | 1,606,500 | | 1,606,500 | - | 1,606,500 | - | | 1,606,500 | 160,650 | 1,445,850 | 1,200,056 | 245,795 |
| 13 | Provision for additional trucks (2.1 per 4,000 additional low and medium density units) | 2024-2028 | 1,606,500 | - | 1,606,500 | - | 1,606,500 | - | | 1,606,500 | 160,650 | 1,445,850 | 1,200,056 | 245,795 |
| | Total | | 72,993,900 | 17,844,390 | 55,149,510 | 6,372,000 | 48,777,510 | 26,722,600 | - | 22,054,910 | 2,205,491 | 19,849,419 | 16,475,018 | 3,374,401 |

^{*}Other deductions are portions attributable to landfill

16. Transit

City of Hamilton

Service: Transit Services

| | | | | | | | Le | ess: | Potential | D.C. Recovera | able Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|------------|-----------------------------|------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 63% | Non- Residential Share |
| 1 | New Conventional Bus - (40 ft.) (117) | 2019-2028 | 94,957,200 | 2,943,700 | | 92,013,500 | 66,185,200 | | 25,828,300 | 16,271,829 | 9,556,471 |
| 2 | New Conventional Bus - (40 ft.) (Spares) (32) | 2019-2028 | 25,971,200 | 805,100 | | 25,166,100 | 18,101,900 | | 7,064,200 | 4,450,446 | 2,613,754 |
| 3 | Replacement of Retired 40 ft. buses on L.R.T. corridor (18) | 2019-2028 | 14,608,800 | 452,900 | | 14,155,900 | 10,182,300 | | 3,973,600 | 2,503,368 | 1,470,232 |
| 4 | New Conventional Bus - (40 ft.) (12) | 2029-2031 | 9,739,200 | 2,951,000 | | 6,788,200 | 6,788,200 | | - | - | - |
| 5 | New Conventional Bus - (40 ft.) (Spares) (8) | 2029-2031 | 6,492,800 | 1,967,300 | | 4,525,500 | 4,525,500 | | - | - | - |
| 6 | Replace 40 ft. buses with 60 ft. buses (11) | 2019 | 11,055,000 | 65,900 | 8,927,600 | 2,061,500 | 1,482,800 | | 578,700 | 364,581 | 214,119 |
| 7 | Replace 40 ft. buses with 60 ft. buses (10) | 2023 | 10,050,000 | 60,000 | 8,116,000 | 1,874,000 | 1,348,000 | | 526,000 | 331,380 | 194,620 |
| 8 | Replace 40 ft. buses with 30 ft. buses (6) | 2019 | 3,833,400 | 7.7 | 3,833,400 | - | - | | - | - | - |
| 9 | Replace 26 ft. buses with 30 ft. buses (5) | 2019 | 3,236,000 | 57,100 | 1,393,000 | 1,785,900 | 1,284,600 | | 501,300 | 315,819 | 185,481 |
| 10 | New Specialized Transit (Chevy 34' Braun) (3) | 2019-2028 | 663,900 | 1 | | 663,900 | 393,700 | | 270,200 | 170,226 | 99,974 |
| 11 | New Specialized Transit (Chevy 34' Braun) (1) | 2029-2031 | 221,300 | 90,100 | | 131,200 | 131,200 | | - | - | - |
| 12 | New Specialized Transit (Dodge Promaster) (16) | 2019-2028 | 1,740,800 | - | | 1,740,800 | 1,032,300 | | 708,500 | 446,355 | 262,145 |
| 13 | New Specialized Transit (Dodge Promaster) (5) | 2029-2031 | 544,000 | 221,400 | | 322,600 | 322,600 | | - | - | - |
| 14 | New Specialized Transit (Dodge Caravan) (38) | 2019-2028 | 1,447,800 | - | | 1,447,800 | 858,500 | | 589,300 | 371,259 | 218,041 |
| 15 | New Specialized Transit (Dodge Caravan) (10) | 2029-2031 | 381,000 | 155,100 | | 225,900 | 225,900 | | - | - | - |
| 16 | Support Vehicles - Facility Vehicles - Service Truck | 2019-2028 | 114,400 | - | | 114,400 | 86,200 | | 28,200 | 17,766 | 10,434 |
| 17 | Support Vehicles - Facility Vehicles - Stock Room Vehicle | 2019-2028 | 34,300 | - | | 34,300 | 25,800 | | 8,500 | 5,355 | 3,145 |
| 18 | Support Vehicles - Facility Vehicles - Garage Equipment Repair Walk Behind Forklift | 2019-2028 | 166,400 | 38,400 | | 128,000 | 125,300 | | 2,700 | 1,701 | 999 |

City of Hamilton

Service: Transit Services

| | | | | | | | Le | ess: | Potential | D.C. Recovera | able Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|-------------|-----------------------------|-------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 63% | Non- Residential Share 37% |
| 19 | Support Vehicles - Facility Vehicles - Garage Fork Lift | 2019-2028 | 104,000 | 24,000 | | 80,000 | 78,300 | | 1,700 | 1,071 | 629 |
| 20 | Support Vehicles - Facility Vehicles - Garage Tow Mobile | 2019-2028 | 52,000 | 12,000 | | 40,000 | 39,200 | | 800 | 504 | 296 |
| 21 | Support Vehicles - Facility Vehicles - Garage Equipment Repair Express Van Vehicles | 2019-2028 | 72,800 | - | | 72,800 | 54,800 | | 18,000 | 11,340 | 6,660 |
| 22 | Support Vehicles - Operations Vehicles | 2019-2028 | 192,500 | - | | 192,500 | - | | 192,500 | 121,275 | 71,225 |
| 23 | Transit & Maintenance Storage Facility | 2020-2022 | 272,000,000 | 9,305,000 | | 262,695,000 | 122,920,000 | 108,800,000 | 30,975,000 | 19,514,250 | 11,460,750 |
| 24 | Transit & Maintenance Storage Facility - Land | 2020-2022 | 10,500,000 | 599,000 | | 9,901,000 | 7,908,000 | | 1,993,000 | 1,255,590 | 737,410 |
| 25 | Transit & Maintenance Storage Facility Growth Related Debt Interest (Discounted) | 2023-2038 | 7,198,306 | 1,662,866 | | 5,535,440 | - | | 5,535,440 | 3,487,327 | 2,048,113 |
| 26 | Reserve Fund Adjustment | | | - | | | 2,006,481 | | (2,006,481) | (1,264,083) | (742,398) |
| | Total | | 475,377,106 | 21,410,866 | 22,270,000 | 431,696,240 | 246,106,781 | 108,800,000 | 76,789,459 | 48,377,359 | 28,412,100 |

17. AdministrationStudies

City of Hamilton Service: Administration Studies

| | | | | | | | L | ess: | | Less: | Potential | D.C. Recovera | ible Cost |
|--------|---|---------------|--|---------------------------|---------------------|---------------------|---------------------------------------|---|-----------|---|-----------|-----------------------------|-------------------------------------|
| Prj.No | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 63% | Non- Residential Share 37% |
| | Water & Wastewater Studies: | | | - | | | - | | | | | | |
| 29 | Integrated Water and Wastewater Master Plan | 2019-2028 | 1,500,000 | - | | 1,500,000 | - | | 1,500,000 | | 1,500,000 | 945,000 | 555,000 |
| 30 | Water and Sanitary Sewer Models | 2019-2028 | 130,000 | - | | 130,000 | 65,000 | | 65,000 | | 65,000 | 40,950 | 24,050 |
| 31 | Centennial Secondary Plan - Servicing Study | 2019 | 200,000 | - | | 200,000 | | | 200,000 | | 200,000 | 126,000 | 74,000 |
| | Community Services: | | | - | | | - | | | | | | |
| 32 | Long Term Care Services Needs Study | 2027 | 242,800 | - | | 242,800 | 121,400 | | 121,400 | 12,140 | 109,260 | 68,834 | 40,426 |
| 33 | Child Care Service Plan | 2020-2025 | 84,300 | - | | 84,300 | 42,200 | | 42,100 | 4,210 | 37,890 | 23,871 | 14,019 |
| 34 | Human Services Study | 2020-2025 | 224,900 | - | | 224,900 | 112,500 | | 112,400 | 11,240 | 101,160 | 63,731 | 37,429 |
| 35 | Human Services Plan - Housing Affordability Study | 2020-2025 | 45,000 | - | | 45,000 | 11,300 | | 33,700 | 3,370 | 30,330 | 19,108 | 11,222 |
| 36 | Affordable Housing - Residential Pre-zoning & Underutilized Site Mapping | 2020-2025 | 89,900 | | | 89,900 | 22,500 | | 67,400 | 6,740 | 60,660 | 38,216 | 22,444 |
| 37 | City Housing Hamilton Energy Investment Study | 2020-2025 | 393,500 | - | | 393,500 | 295,100 | | 98,400 | 9,840 | 88,560 | 55,793 | 32,767 |
| 38 | Ontario Works Review | 2020-2025 | 112,400 | - | | 112,400 | 84,300 | | 28,100 | 2,810 | 25,290 | 15,933 | 9,357 |
| 39 | Human Services Market Planning Study | 2020-2025 | 224,900 | - | | 224,900 | 56,200 | | 168,700 | 16,870 | 151,830 | 95,653 | 56,177 |
| 40 | Neighbourhood Community Needs Study | 2020-2025 | 67,500 | - | | 67,500 | 33,800 | | 33,700 | 3,370 | 30,330 | 19,108 | 11,222 |
| | Transit Studies: | | | | | | - | | | | | | |
| 41 | Hamilton West Interregional Transit Terminal Location Study | 2019-2022 | 84,300 | - | | 84,300 | 75,900 | | 8,400 | | 8,400 | 5,292 | 3,108 |
| 42 | Rapid Ready & 10 Year Strategy Review | 2019-2028 | 150,000 | | | 150,000 | 75,000 | | 75,000 | | 75,000 | 47,250 | 27,750 |
| 43 | James Mountain Road - Transit only Roadway Feasibility Study | 2020-2023 | 112,400 | - | | 112,400 | 56,200 | | 56,200 | | 56,200 | 35,406 | 20,794 |
| | Future Transit Hubs and Stations: | | | | | | - | | | | | | |
| 44 | SCUBE Transit Terminal Study | 2019 | 242,400 | - | | 242,400 | - | | 242,400 | | 242,400 | 152,712 | 89,688 |
| | Operations Facilities: | | | | | | - | | | | | | |
| 45 | Yards Need Study | 2025-2028 | 168,600 | - | | 168,600 | - | | 168,600 | | 168,600 | 106,218 | 62,382 |
| | Police: | | | | | | - | | | | | | |
| 46 | Police - Space Needs Study (GRIDS II) | 2019 | 56,200 | - | | 56,200 | - | | 56,200 | | 56,200 | 35,406 | 20,794 |
| 47 | Police Business Plan | 2019 | 32,000 | - | | 32,000 | 24,000 | | 8,000 | | 8,000 | 5,040 | 2,960 |
| 48 | Police Business Plan | 2022 | 32,000 | - | | 32,000 | 24,000 | | 8,000 | | 8,000 | 5,040 | 2,960 |
| 49 | Police Business Plan | 2025 | 32,000 | - | | 32,000 | 24,000 | | 8,000 | | 8,000 | 5,040 | 2,960 |
| 50 | Police Business Plan | 2028 | 32,000 | - | | 32,000 | 24,000 | | 8,000 | | 8,000 | 5,040 | 2,960 |
| | Paramedics: | | | - | | | | | | | | | |
| 51 | Paramedics - Space Needs Study | 2023 | 112,400 | - | | 112,400 | 28,100 | | 84,300 | 8,430 | 75,870 | 47,798 | 28,072 |
| 52 | Paramedics - Space Needs Study | 2028 | 112,400 | - | | 112,400 | - | | 112,400 | 11,240 | 101,160 | 63,731 | 37,429 |

City of Hamilton Service: Administration Studies

| | | | | | | | Le | ess: | | Less: | Potential | D.C. Recovera | ıble Cost |
|--------|---|---------------|--|---------------------------|---------------------|---------------------|---------------------------------------|---|------------|---|------------|-----------------------------|-------------------------------------|
| Prj.No | Increased Service Needs Attributable to Anticipated Development 2019-2028 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Subtotal | Other (e.g. 10% Statutory Deduction) | Total | Residential Share 63% | Non- Residential Share 37% |
| | Parking: | | | - | | | | | | | | | |
| 53 | Parking Master Plan | 2019 | 200,000 | - | | 200,000 | 50,000 | | 150,000 | 15,000 | 135,000 | 85,050 | 49,950 |
| | Library Studies: | | | - | | | | | | | | | |
| 54 | Library Master Plan | 2022 | 25,000 | - | | 25,000 | 6,300 | | 18,700 | 1,870 | 16,830 | 10,603 | 6,227 |
| 55 | Service Model Master Plan | 2020 | 25,000 | - | | 25,000 | 6,300 | | 18,700 | 1,870 | 16,830 | 10,603 | 6,227 |
| | Parks: | | | - | | | | | | | | | |
| 56 | Trails Masterplan Update | 2021 | 204,000 | - | | 204,000 | 51,000 | | 153,000 | 15,300 | 137,700 | 86,751 | 50,949 |
| 57 | Parks Master Plans | 2019-2023 | 1,214,200 | - | | 1,214,200 | 303,600 | | 910,600 | 91,060 | 819,540 | 516,310 | 303,230 |
| 58 | Recreation Studies | 2019-2023 | 607,100 | - | | 607,100 | 151,800 | | 455,300 | 45,530 | 409,770 | 258,155 | 151,615 |
| 59 | Recreation Studies | 2024-2028 | 607,100 | - | | 607,100 | 151,800 | | 455,300 | 45,530 | 409,770 | 258,155 | 151,615 |
| | Waste Diversion: | | | | | | | | | | | | |
| 60 | Waste Management Research & Development Program | 2019-2023 | 1,229,100 | - | 245,820 | 983,280 | 882,500 | | 100,780 | 10,078 | 90,702 | 57,142 | 33,560 |
| 61 | Waste Management Research & Development Program | 2024-2028 | 1,229,100 | - | 245,820 | 983,280 | 882,500 | | 100,780 | 10,078 | 90,702 | 57,142 | 33,560 |
| 62 | Solid Waste Management Master Plan Approvals | 2019-2021 | 561,000 | | 140,250 | 420,750 | 63,100 | | 357,650 | 35,765 | 321,885 | 202,788 | 119,097 |
| | Other: | | | - | | | | | | | | | |
| 63 | Provision for Growth Component of Unidentified Studies | 2019-2023 | 2,248,500 | | | 2,248,500 | - | | 2,248,500 | 224,850 | 2,023,650 | 1,274,900 | 748,751 |
| 64 | Outstanding Debt Principal | 2019-2023 | 198,550 | - | | 198,550 | - | | 198,550 | | 198,550 | 125,086 | 73,463 |
| 65 | Outstanding Debt Interest (Discounted) | 2019-2023 | 36,884 | - | | 36,884 | - | | 36,884 | | 36,884 | 23,237 | 13,647 |
| 66 | Reserve Fund Adjustment | | 1,336,059 | - | | 1,336,059 | - | | 1,336,059 | | 1,336,059 | 841,717 | 494,342 |
| | Total | | 28,579,992 | - | 631,890 | 27,948,102 | 6,423,600 | - | 21,524,502 | 1,754,921 | 19,769,581 | 12,454,836 | 7,314,745 |

^{*}Other deductions are portions attributable to landfill



18. WastewaterServices

City of Hamilton

Service: Wastewater - Sewers

| | | | | | | | | Less: | Potentia | al D.C. Recover | able Cost |
|-------------------|---|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|--------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 63% | Non-Residential Share 37% |
| 1 | Ancaster Sanitary Sewage System | 2019-2023 | 3,090,000 | 741,000 | | 2,349,000 | - | 838,000 | 1,511,000 | 951,930 | 559,070 |
| 2 | Waterdown Sanitary Sewage System | 2019-2023 | 11,719,000 | 300,800 | | 11,418,200 | 7,322,000 | 714,000 | 3,382,200 | 2,130,786 | 1,251,414 |
| 3 | Binbrook Sanitary Sewage System | 2019-2023 | 2,406,000 | - | | 2,406,000 | - | 619,000 | 1,787,000 | 1,125,810 | 661,190 |
| 4 | AEGD/Mount Hope Sanitary Sewage System | 2019-2023 | 18,910,000 | - | | 18,910,000 | - | | 18,910,000 | 11,913,300 | 6,996,700 |
| 5 | AEGD/Mount Hope Sanitary Sewage System | 2024-2031 | 12,749,000 | - | | 12,749,000 | - | 3,294,000 | 9,455,000 | 5,956,650 | 3,498,350 |
| 6 | Hamilton Mountain Sanitary Sewage System | 2019-2023 | 90,297,000 | 8,840,000 | | 81,457,000 | - | 532,000 | 80,925,000 | 50,982,750 | 29,942,250 |
| 7 | Hamilton Mountain Sanitary Sewage System | 2024-2031 | 68,000 | - | | 68,000 | - | | 68,000 | 42,840 | 25,160 |
| 8 | Stoney Creek Upper Sanitary Sewage System | 2019-2023 | 2,389,000 | - | | 2,389,000 | 1 | | 2,389,000 | 1,505,070 | 883,930 |
| 9 | Stoney Creek Upper Sanitary Sewage System | 2024-2031 | 27,695,000 | 18,279,000 | | 9,416,000 | - | 3,107,000 | 6,309,000 | 3,974,670 | 2,334,330 |
| 10 | Stoney Creek Lower Sanitary Sewage System | 2019-2023 | 27,298,000 | 2,009,400 | | 25,288,600 | 184,000 | 362,000 | 24,742,600 | 15,587,838 | 9,154,762 |
| 11 | City Wide Sanitary System | 2019-2023 | 47,106,000 | - | | 47,106,000 | 11,163,750 | - | 35,942,250 | 22,643,618 | 13,298,633 |
| 12 | City Wide Sanitary System | 2024-2031 | 22,656,000 | - | | 22,656,000 | 7,500,000 | - | 15,156,000 | 9,548,280 | 5,607,720 |
| 13 | Existing Debt Principal | 2019-2023 | 369,593 | - | | 369,593 | - | | 369,593 | 232,844 | 136,749 |
| 14 | Existing Debt Interest (Discounted) | 2019-2023 | 30,838 | - | | 30,838 | - | | 30,838 | 19,428 | 11,410 |
| 15 | Financing (Linear) (Interest Discounted) | 2019-2034 | 36,844,849 | - | | 36,844,849 | - | | 36,844,849 | 23,212,255 | 13,632,594 |
| 16 | Provisional Post Period Benefit Deduction | 2019-2031 | | 10,000,000 | | (10,000,000) | - | | (10,000,000) | (6,300,000) | (3,700,000) |
| 17 | Reserve Fund Adjustment | | 40,435,413 | | | 40,435,413 | - | | 40,435,413 | 25,474,310 | 14,961,103 |
| | Total | | 344,063,693 | 40,170,200 | - | 303,893,493 | 26,169,750 | 9,466,000 | 268,257,743 | 169,002,378 | 99,255,365 |

City of Hamilton

Service: Wastewater Facilities

| | | | | | | | Less: | Potential D.C. Recov | verable Cost | | |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|---|--------------|----------------------|--------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New | Total | Residential Share | Non-Residential Share |
| | 2019-2031 | | | | | | | Development | | 63% | 37% |
| | Water Quality: | 0040 0004 | 05.074.075 | 4 000 044 | | 04.407.004 | 04 044 000 | 50.007.005 | 5 500 044 | 0.470.000 | 0.000.000 |
| 1 | Wastewater Pumping Station Primary Clarifier - Primary Treatment (Phase | 2019-2021 | 95,974,275 | 1,836,314 | | 94,137,961 | 31,641,096 | 56,987,925 | 5,508,941 | 3,470,633 | 2,038,308 |
| י בי | 1 - CEPT) - Engineering Included | 2019-2021 | 16,255,669 | 520,971 | | 15,734,698 | 8,976,738 | 5,195,046 | 1,562,914 | 984,636 | 578,278 |
| 2b | 2 - Tanks) - Engineering Included | 2019-2021 | 52,246,549 | 820,296 | | 51,426,253 | 14,134,332 | 34,831,033 | 2,460,888 | 1,550,360 | 910,529 |
| 2c | Primary Clarifier - Other Costs (includes New/Expanded Laboratory/Admin Building) | 2019-2021 | 11,857,782 | 1,568,785 | | 10,288,997 | 5,582,644 | | 4,706,354 | 2,965,003 | 1,741,351 |
| | Tertiary Upgrades - New Secondary/Tertiary Treatment Plant (Phase 1) | 2019-2021 | 134,908,478 | 1,375,990 | | 133,532,488 | 52,072,583 | 77,331,936 | 4,127,969 | 2,600,621 | 1,527,349 |
| 5b | Outfall and Red Hill Creek Upgrades | 2019-2021 | 43,246,869 | 997,717 | | 42,249,152 | 16,081,115 | 23,174,887 | 2,993,150 | 1,885,684 | 1,107,465 |
| 8a | Plant Expansion - Engineering (Projects 1, 4a 4b, 5, 13) Phase 1 | 2019-2021 | 24,810,804 | 913,658 | | 23,897,146 | 21,156,173 | | 2,740,974 | 1,726,813 | 1,014,160 |
| | Plant Expansion - Engineering (Projects 1, 4a 4b, 5, 13) Phase 2 | 2019-2021 | 25,573,521 | 941,745 | | 24,631,776 | 21,806,541 | | 2,825,235 | 1,779,898 | 1,045,337 |
| 8d | Plant Expansion - Engineering - Other Costs (includes WWE Modular Office Building) | 2019-2021 | 8,428,089 | 310,364 | | 8,117,725 | 7,186,631 | | 931,093 | 586,589 | 344,504 |
| | | 2019-2021 | 45,005,784 | 805,742 | | 44,200,042 | 21,782,816 | 20,000,000 | 2,417,226 | 1,522,852 | 894,374 |
| | Electrical System Upgrades - New Electrical and power systems - Phase 1 | 2019-2021 | 63,202,719 | 1,319,620 | | 61,883,099 | 22,202,990 | 35,721,251 | 3,958,859 | 2,494,081 | 1,464,778 |
| 14 | Collection System Upgrades | 2019-2021 | 10,328,835 | - | | 10,328,835 | 3,544,835 | 6,784,000 | - | - | - |
| | Plant Expansion: | | - | - | | | | | | | |
| 40 | Treatment Plant (Phase 2) | 2025-2031 | 224,800,000 | 56,200,000 | | 168,600,000 | - | | 168,600,000 | 106,218,000 | 62,382,000 |
| 8c | Plant Expansion - Engineering (Projects 1, 4a 4b, 5, 13) Phase 3 | 2025-2031 | 28,300,000 | 7,075,000 | | 21,225,000 | - | | 21,225,000 | 13,371,750 | 7,853,250 |
| | | 2025-2031 | 8,430,000 | 2,107,500 | | 6,322,500 | - | | 6,322,500 | 3,983,175 | 2,339,325 |
| 1 1 An 1 | Electrical System Upgrades - New Electrical and power systems - Phase 2 | 2025-2031 | 34,844,000 | 8,711,000 | | 26,133,000 | - | | 26,133,000 | 16,463,790 | 9,669,210 |
| | Biosolids Management Facility: | | | | | | | | | | |
| | Biosolids Management Facility - Biosolids Thermal Reduction Disposal Facility | 2019-2021 | 99,440,000 | 4,010,217 | | 95,429,783 | 69,099,130 | 14,300,000 | 12,030,652 | 7,579,311 | 4,451,341 |
| | Reserve Fund Adjustment | | - | - | | - | 72,461,548 | | (72,461,548) | (45,650,775) | (26,810,773) |
| | Total | | 927,653,374 | 89,514,918 | - | 838,138,456 | 367,729,172 | 274,326,078 | 196,083,206 | 123,532,420 | 72,550,786 |

TABLE F-3 - WASTEWATER CAPITAL PROGRAM

| Area | Planning Period | Project ID | Project/Street | From | То | Length (m) | Size (mm) | Estimated Total Cost (\$2019) | Direct Developer Contribution (\$2019) | Benefit to Existing (%) | Benefit to Existing (\$2019) | Post Period Benefit (%) | Post Period Benefit (\$2019) | Development Charges (\$2019) | Updated Timing | Updated Cost | Scope Change: Location | Scope Change: Length and/or Size | Project Added | 2014-2019 Change Details |
|---------------|-----------------|------------|--|--|--|------------|-----------|----------------------------------|---|----------------------------|------------------------------------|----------------------------|---------------------------------|------------------------------------|----------------|--------------|---------------------------|-------------------------------------|---------------|--|
| WATERDOWN | | | | | | | | | | | | | | | | | | | | |
| Waterdown | 0 to 5 years | W3-S-19 | Waterdown North Area | McCurdy Ave | Northerly | 340 | 600 | \$ 291,000 | \$ 248,000 | 0% | \$ - | 0% | \$ - | \$ 43,000 | | Х | | Х | | Updated length, updated unit cost (inflation) |
| Waterdown | 0 to 5 years | W4-S-19 | Waterdown South Sewer | Dundas St and Evans Ave | 300 m south and 300 m west of Dundas St and Evans Ave | 640 | 525 | \$ 498,000 | \$ 466,000 | 0% | \$ - | 0% | \$ - | \$ 32,000 | | Х | Х | Х | | Updated length and alignment. Updated unit cost (inflation) |
| Waterdown | 0 to 5 years | W6-S-19 | DC014- Existing Pump Capacity & Wet Well upgrade at 1st St./ Hwy 5 | Increase capacity from 283 L/s replacement pumps | | | 456 L/s | \$ 4,930,000 | \$ - | 39% | \$ 1,922,000 | 10% | \$ 300,800 | \$ 2,707,200 | Х | Х | | Х | | Updated cost based on City Capital Budget |
| Waterdown | 0 to 5 years | W7-S-19 | Waterdown WWTP Decommissioning | replacement pumps | | | | \$ 6,000,000 | \$ - | 90% | \$ 5,400,000 | 0% | \$ - | \$ 600,000 | | Х | | | | Updated cost based on City Capital Budget |
| | | | - | 1 | | | | | | | | | | | | | | | | Capital Budget |
| ANCASTER | | | | | | | | | | | | | | | | | | | | |
| Ancaster | 0 to 5 years | A13-S-19 | Ancaster Industrial Park Area- Hydro Corridor | Shaver Rd | New road | 820 | 450 | \$ 863,000 | \$ - | 0% | \$ - | 0% | | \$ 863,000 | | Х | Х | Х | | Updated length and alignment. Updated unit cost (inflation) |
| Ancaster | 0 to 5 years | A17-S-19 | Area north of Garner Rd E / between Silver Maple Dr and Hwy 6 | Garner Rd | 30 m east of Silver Maple Dr | 410 | 600 | \$ 351,000 | \$ 299,000 | 0% | \$ - | 0% | \$ - | \$ 52,000 | Х | Х | Х | х | | Updated length, updated unit cost (inflation) |
| Ancaster | 0 to 5 years | A20-S-19 | Cormorant Rd extension | Tradewind Dr | Trinity Rd | 740 | 1050 | \$ 1,280,000 | \$ 539,000 | 0% | \$ - | 58% | \$ 741,000 | \$ - | | Х | Х | Х | | Updated length, updated unit cost (inflation) |
| Ancaster | 0 to 5 years | A21-S-19 | Shaver Rd | Osprey Dr | Hydro Corridor | 840 | 375 | \$ 596,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 596,000 | | | | | Х | New |
| | | | | | | | | | | | | | | | | | | | | |
| AEGD/MT. HOPE | | | | | | | | | | | | | | | | | | | | |
| AEGD/Mt. Hope | 0 to 5 years | MH1-S-19 | Twenty Rd | Silverbirch Blvd | Upper James St | 2000 | 450 | \$ 2,896,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 2,896,000 | | X | | | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 0 to 5 years | MH2-S-19 | Southcote Rd | Hydro Corridor | Garner Rd | 875 | 375 | \$ 621,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 621,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 0 to 5 years | MH3-S-19 | Garner Rd | Hwy 6 | Kitty Murray Ln | 1150 | 375 | \$ 1,553,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 1,553,000 | | X | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 0 to 5 years | MH4-S-19 | Garner Rd | Kitty Murray Ln | Springbrook Ave | 630 | 450 | \$ 912,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 912,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 0 to 5 years | MH5-S-19 | Smith Rd | Hydro Corridor | Garner Rd | 700 | 375 | \$ 497,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 497,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 0 to 5 years | MH6-S-19 | Garner Rd | Springbrook Rd | Raymond Rd | 880 | 600 | \$ 1,531,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 1,531,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 0 to 5 years | MH22-S-19 | HC019 and HC018 Upgrade Strategy | | | | | \$ 10,900,000 | \$ | 0% | \$ - | 0% | \$ - | \$ 10,900,000 | | | | | Х | New |
| AEGD/Mt. Hope | 6 years to UBBO | MH10-S-19 | Dickenson Rd Trunk Sewer | Garth St Extension | Upper James St | 1200 | 750 | \$ 2,670,000 | \$ | 0% | \$ - | 0% | \$ - | \$ 2,670,000 | | Х | х | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH11-S-19 | Book Rd Trunk Sewer | 400 m west of Southcote | Smith Rd | 830 | 600 | \$ 710,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 710,000 | | Х | Х | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH12-S-19 | Smith Rd | Hydro Corridor | Book Rd | 950 | 375 | \$ 674,000 | - | 0% | \$ - | 0% | \$ - | \$ 674,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH13-S-19 | Garth St Extension | Smith Rd | Dickenson Rd | 2275 | 525 | \$ 3,625,000 | \$ 3,294,000 | 0% | \$ - | 0% | \$ - | \$ 331,000 | | X | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH14-S-19 | Glancaster Rd | Airport | Garth St extension | 450 | 375 | \$ 319,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 319,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH15-S-19 | Glancaster Rd | Dickenson Rd | Garth St extension | 375 | 375 | \$ 266,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 266,000 | | X | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH16-S-19 | Glancaster Rd | Book Rd | Dickenson Rd | 380 | 375 | \$ 270,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 270,000 | | Х | | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH17-S-19 | Dickenson Rd | Garth St Extension | Smith Rd | 2420 | 600 | \$ 2,069,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 2,069,000 | | Х | Х | X | | Updated length, diameter and unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH18-S-19 | Book Rd | Glancaster Rd | Smith Rd | 950 | 375 | \$ 674,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 674,000 | | Х | | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH19-S-19 | Southcote Rd | Hydro Corridor | Book Rd | 875 | 375 | \$ 621,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 621,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH20-S-19 | Smith Rd | Book Rd | Garth St extension | 675 | 375 | \$ 479,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 479,000 | | Х | | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH21-S-19 | Southcote Rd | Book Rd | Garth St extension | 525 | 375 | \$ 372,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 372,000 | | X | | Х | Х | New - MH21 now gravity sewe - SPS project remvoed |
| | | | | | | | | | | | | | | | | | | | | |
| BINBROOK | | | DC HCOS9 Upgrade Resistant Dd 50 st | Electrical machanical unsered | se to SPS and replacement of 2 | | | | | | | | | | | | | | | |
| Binbrook | 0 to 5 years | B2-S-19 | PS HCO58 Upgrade - Regional Rd. 56 at Southbrook Dr. | pumps | es to SPS and replacement of 3 | | 340 L/s | \$ 1,076,000 | | 0% | \$ - | 0% | | \$ 1,076,000 | | Х | | | | Updated cost - inflation only Updated length, updated unit cost |
| Binbrook | 0 to 5 years | B10-S-19 | Windwood Dr Extension | Fletcher Rd | Brigham Ave | 850 | 600 | \$ 727,000 | \$ 619,000 | 0% | \$ - | 0% | * | \$ 108,000 | | Х | Х | Х | | (inflation) |
| Binbrook | 0 to 5 years | B11-S-19 | Binbrook Rd | Fletcher Rd | Brigham Ave | 850 | 375 | \$ 603,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 603,000 | | | | | Х | Updated alignment, updated unit cost (inflation) |

TABLE F-3 - WASTEWATER CAPITAL PROGRAM

| Area | Planning Period | Project ID | Project/Street | From | То | Length (m) | Size (mm) | Estimated Total Cost (\$2019) | Direct Developer Contribution (\$2019) | Benefit to Existing (%) | Benefit to Existing (\$2019) | Post Period Benefit (%) | Post Period Benefit (\$2019) | Development Charges (\$2019) | Updated Timing | Updated Cost | Scope Change: Location | Scope Change: Length and/or Size | Project Added | 2014-2019 Change Details |
|---------------------|-----------------|------------|--|---|---------------------------------|------------|-----------|----------------------------------|---|----------------------------|------------------------------------|----------------------------|---------------------------------|------------------------------------|----------------|--------------|---------------------------|-------------------------------------|---------------|--|
| HAMILTON MOUNT | AIN | | | | | | | | | | | | | | | | | | | |
| Hamilton Mountain | 0 to 5 years | HM6-S-19 | Dartnall Rd extension | Twenty Rd | 730 m south | 730 | 525 | \$ 567,000 | \$ 532,000 | 0% | \$ | 0% | \$ - | \$ 35,000 | | Х | Х | х | | Updated length, updated unit cost (inflation) |
| Hamilton Mountain | 0 to 5 years | HM9-S-19 | Nebo Rd | 250 m north of Twenty Rd East | 480 m south of Rymal Rd | 630 | 375 | \$ 851,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 851,000 | | Х | | | | Updated unit cost - inflation only |
| Hamilton Mountain | 0 to 5 years | HM10-S-19 | Upper Ottawa St | 275 m north of Twenty Rd East | 350 m south of Rymal Rd | 675 | 375 | \$ 479,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 479,000 | | Х | | | | Updated unit cost - inflation only |
| Hamilton Mountain | 0 to 5 years | HM20-S-19 | Dickenson Rd Trunk Sewer | Upper James St | Miles Rd | 2900 | 1200 | \$ 44,200,000 | \$ - | 0% | \$ - | 10% | \$ 4,420,000 | \$ 39,780,000 | Х | Х | Х | Х | | Updated scope, length, alignment, cost from City Project Detail Sheet |
| Hamilton Mountain | 0 to 5 years | HM26-S-19 | Dickenson Rd Trunk Sewer | Miles Rd | RR 56 | 6800 | 1350 | \$ 44,200,000 | \$ - | 0% | \$ | 10% | \$ 4,420,000 | \$ 39,780,000 | Х | Х | Х | х | | Updated scope, length, alignment, cost from City Project Detail Sheet |
| Hamilton Mountain | 6 years to UBBO | HM3-S-19 | Miles Rd | Connection of sewers east and west of Miles Rd | | 50 | 375 | \$ 68,000 | \$ - | 0% | \$ | 0% | \$ - | \$ 68,000 | | Χ | Х | Х | | Updated length, updated unit cost (inflation) |
| | | | | | | | | | | | | | | | | | | | | |
| STONEY CREEK U | PPER | | | | | | | | | | | | | | | | | | | |
| Stoney Creek Upper | 0 to 5 years | SCU5-S-19 | Rymal Rd | Upper Centennial | 2nd Rd West | 1650 | 450 | \$ 2,389,000 | \$ - | 0% | \$ | 0% | \$ - | \$ 2,389,000 | | Х | | Х | | Updated diameter, updated unit cost (inflation) |
| Stoney Creek Upper | 6 years to UBBO | SCU11-S-14 | Elfrida Collection Network | | | | | \$ 27,695,000 | \$ 3,107,000 | 0% | \$ - | 66% | \$ 18,279,000 | \$ 6,309,000 | | Х | | | | Updated cost - inflation only |
| | | | | | | | | | | | | | | | | | | | | |
| STONEY CREEK LO | OWER | | | | | | | | | | | | | | | | | | | |
| Stoney Creek Lower | 0 to 5 years | SCL1-S-19 | South Service Rd | 50 m east of Fifty Road | 200 m east of Winona Rd | 590 | 600 | \$ 1,910,000 | \$ - | 0% | \$ | 0% | \$ - | \$ 1,910,000 | | Х | Х | Х | | Updated length, updated unit cost (inflation) |
| Stoney Creek Lower | 0 to 5 years | SCL2-S-19 | Forcemain- South Service Rd | New SPS | 30 m west | 30 | 150 | \$ 17,000 | \$ - | 0% | \$ | 0% | \$ - | \$ 17,000 | | Х | х | x | | Updated length, updated unit cost (inflation) |
| Stoney Creek Lower | 0 to 5 years | SCL3-S-19 | New Sewage Pumping Station at South Service Rd, east of Fifty Rd | | | | | \$ 352,000 | \$ | 0% | \$ | 0% | \$ - | \$ 352,000 | | Х | | | | Updated cost - inflation only |
| Stoney Creek Lower | 0 to 5 years | SCL11-S-19 | Centennial Trunk Sewer | King St | ESI at Kenora Ave | 3510 | 1500 | \$ 17,324,000 | \$ - | 0% | \$ | 10% | \$ 1,732,400 | \$ 15,591,600 | | Х | | | | Updated cost - inflation only |
| Stoney Creek Lower | 0 to 5 years | SCL14-S-19 | South Service Rd | 50 m east of Fifty Road | 500 m east | 500 | 450 | \$ 724,000 | \$ 362,000 | 0% | \$ - | - 0% | \$ - | \$ 362,000 | | Х | Х | Х | | Updated length, updated unit cost (inflation) |
| Stoney Creek Lower | 0 to 5 years | SCL17-S-19 | Fifty Rd | South Service Rd | 475 m south | 475 | 675 | \$ 1,387,000 | \$ - | 0% | \$ - | 20% | \$ 277,000 | \$ 1,110,000 | | Х | Х | х | | Updated length, updated unit cost (inflation) |
| Stoney Creek Lower | 0 to 5 years | SCL18-S-19 | Barton St | Jones Rd | 470 m east toward Glover | 470 | 450 | \$ 680,000 | \$ - | 0% | \$ | - 0% | \$ - | \$ 680,000 | | | | | Х | New |
| Stoney Creek Lower | 0 to 5 years | SCL19-S-19 | Glover Rd | Hwy 8 | 500 m north, past Watercourse 7 | 500 | 450 | \$ 724,000 | \$ - | 10% | \$ 72,000 | 0% | \$ - | \$ 652,000 | | | | | X | New |
| Stoney Creek Lower | 0 to 5 years | SCL20-S-19 | Barton St | McNeilly Rd | 200 m east of McNeilly Rd | 200 | 375 | \$ 270,000 | \$ - | 0% | \$ | - 0% | \$ - | \$ 270,000 | | | | | Х | New |
| Stoney Creek Lower | 0 to 5 years | SCL21-S-19 | Barton St | 200 m east of McNeilly Rd | Lewis Rd | 600 | 450 | \$ 869,000 | s - | 0% | \$ - | . 0% | \$ - | \$ 869,000 | | | | | Х | New |
| Stoney Creek Lower | 0 to 5 years | SCL22-S-19 | Barton St | Lewis Rd | 350 m east of Lewis Rd | 350 | 450 | \$ 507,000 | \$ - | 10% | \$ 51,000 | 0% | \$ - | \$ 456,000 | | | | | Х | New |
| Stoney Creek Lower | 0 to 5 years | SCL24-S-19 | Barton St | 350 m east of Fruitland Rd | 200 m east | 200 | 525 | \$ 319,000 | \$ - | 10% | \$ 32,000 | 0% | \$ - | \$ 287,000 | | | | | X | New |
| Stoney Creek Lower | 0 to 5 years | SCL25-S-19 | Jones St | 350 south of Barton St | 200 m south | 200 | 450 | \$ 290,000 | \$ - | 10% | \$ 29,000 | 0% | \$ - | \$ 261,000 | | | | | Х | New |
| Stoney Creek Lower | 0 to 5 years | SCL26-S-19 | Vortex Flow Insert Units for Centennial Trunk Sewer | | | | | \$ 800,000 | s - | 0% | s | . 0% | \$ - | \$ 800,000 | | | | | X | New |
| Stoney Creek Lower | 0 to 5 years | SCL16-S-19 | Millen Rd and easement (QEW Crossing) | South Service Rd | North Service Rd | 120 | 450 | \$ 1,125,000 | • | 0% | e | - 0% | e e | \$ 1,125,000 | | | | | x | |
| Gioriey Creek Lower | 0 to 5 years | 30L10-3-19 | ivillen Ru and easement (QEW Crossing) | South Service Ru | North Service Rd | 120 | 430 | \$ 1,125,000 | . | U% | φ . | 0% | φ - | ⇒ 1,1∠5,000 | | | | | ^ | New |

TABLE F-4 - WASTEWATER CAPITAL WASTEWATER CAPITAL PROGRAM-CITYWIDE

| Area | Planning Period | Project ID | Project | Description | Estimated 1 Cost | | Developer tribution | City Cos | t Share | Post Period Benefit | CI | elopment harges \$2019) | Updated Timing | Updated Cost | Scope Change: Location | Scope Change: Length and/or Size | Project Added | 2014-2019 Change Details |
|--------------------|-----------------|------------|--|--|---------------------|-----------|------------------------|--------------|---------|------------------------|----|-------------------------------|-------------------|--------------|------------------------------|---|---------------|---|
| City Wide Projects | 0 to 5 years | CW1-S-19 | | Total cost over a period of 2 - 2.5 years. Study being undertaken to know various flow characteristics to calibrate the Sanitary Sewer Model to assist the Master Planning Study | \$ 2,448 | \$,000 \$ | - | \$ 1, | 224,000 | \$ - | \$ | 1,224,000 | | Х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW2-S-19 | I/I Reduction Program | Program to free up extra capacity within the existing sewers - costs over five years | \$ 1,574 | ,000 \$ | - | \$ | 787,000 | \$ - | \$ | 787,000 | | х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW3-S-19 | Annual Operational Improvements Outstations, 5160067052 | Operational improvements to wastewater outstations to increase capacities. | \$ 611 | ,000 \$ | - | \$ | 152,750 | \$ - | \$ | 458,250 | | x | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW4-S-19 | Oversizing of Infrastructure-Sanitary | Oversizing of servicing infrastructure within subdivisions | \$ 611 | ,000 \$ | - | \$ | - | \$ - | \$ | 611,000 | | х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW5-S-19 | Land requirement for new sewage pumping stations and easements | Areas for SPS footprints and easements- 5 Ha | \$ 611 | ,000 \$ | - | \$ | - | - | \$ | 611,000 | | X | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW6-S-19 | Intensification Infrastructure Upgrades - Wastewater (0-5 years) | Upgrades to existing infrastructure to accommodate intensification | \$ 15,000 | ,000 \$ | - | \$ 7, | 500,000 | \$ - | \$ | 7,500,000 | | х | | х | | Updated cost; increased to account for additional anticipated intensification costs |
| City Wide Projects | 0 to 5 years | CW15-S-19 | Hwy 403 Trunk sewer twinning - Phase 1 | MIP to Main-King | \$ 8,823 | \$,000 \$ | 1 | \$ | - | - | \$ | 8,823,000 | | х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW18-S-19 | | Oversizing of servicing infrastructure for subdivisions not identified on draft plans | \$ 1,171 | ,000 \$ | | <i>\$</i> \$ | - | \$ - | \$ | 1,171,000 | | x | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW19-S-19 | Regional Subdivider's Share for Local Improvements | | \$ 257 | \$,000 | | \$ | - | \$ - | \$ | 257,000 | | х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW20-S-19 | | New SPS at north end of Pier 7/8, storage tank and twin forcemain discharging to Ferguson/Burlington | \$ 15,000 | ,000 \$ | - | \$ 1, | 500,000 | \$ - | \$ | 13,500,000 | | х | | | | Updated cost - City Estimate |
| City Wide Projects | 0 to 5 years | CW22-S-19 | Master Plan and additional studies | | \$ 1,000 | ,000 \$ | | \$ | | \$ - | \$ | 1,000,000 | | | | | х | New |
| City Wide Projects | 6 years to UBBO | CW7-S-19 | Intensification Infrastructure Upgrades - Wastewater | Upgrades to existing infrastructure to accommodate intensification | \$ 15,000 | ,000 \$ | - | \$ 7, | 500,000 | \$ - | \$ | 7,500,000 | | х | | х | | Updated cost; increased to account for additional anticipated intensification costs |
| City Wide Projects | 6 years to UBBO | CW16-S-19 | Hwy 403 Trunk sewer twinning - Phase 2 | Royal CSO to MIP | \$ 7,656 | \$,000 \$ | - | \$ | - | \$ - | \$ | 7,656,000 | | х | | | | Updated cost - inflation only |

TABLE F-5 - WOODWARD WWTP CAPITAL PROGRAM

| | | С | APITAL COST | | | | | | DEV | 'ELOPMENT CHAR | GES | | |
|------------|---|-----------------------------------|---|---|--|--|---------------|-------------------|--------------------------|--------------------------|--------------------|---------------------------------|--|
| Project IE | Description | Capital Cost Estimate (\$2019) | Internal Staffing Cost Allocation (Not Eligible for Funding) | Capital Cost w Internal Staffing (\$) | Grants, Subsidies and Other Contributions Attributable to New Development | Project Cost Less Grants, Subsidies, etc (\$) | Growth (%) | Non-Growth (%) | Benefit to Existing (\$) | Growth Related Cost (\$) | Post Period (%) | Growth - Post Period (\$) | Growth - In Period DC APPLICABLE COST (\$) |
| 1 | Wastewater Pumping Station | \$ 94,537,613 | \$ 1,436,662 | \$ 95,974,275 | \$ 56,987,925 | \$ 38,986,350 | 18.84% | 81.16% | \$ 31,641,095 | \$ 7,345,254 | 25.00% \$ | 1,836,314 | \$ 5,508,941 |
| 2a | Primary Clarifier - Primary Treatment (Phase 1 - CEPT) - Engineering Included | \$ 16,255,669 | \$ - | \$ 16,255,669 | \$ 5,195,046 | \$ 11,060,623 | 18.84% | 81.16% | \$ 8,976,738 | \$ 2,083,885 | 25.00% \$ | 520,971 | \$ 1,562,914 |
| 2b | Primary Clarifier - Primary Treatment (Phase 2 - Tanks) - Engineering Included | \$ 52,246,549 | \$ - | \$ 52,246,549 | \$ 34,831,033 | \$ 17,415,516 | 18.84% | 81.16% | \$ 14,134,332 | \$ 3,281,184 | 25.00% \$ | 820,296 | \$ 2,460,888 |
| 2c | Primary Clarifier - Other Costs (includes New/Expanded Laboratory/Admin Building) | \$ 11,857,782 | \$ - | \$ 11,857,782 | \$ - | \$ 11,857,782 | 52.92% | 47.08% | \$ 5,582,644 | \$ 6,275,138 | 25.00% \$ | 1,568,785 | \$ 4,706,354 |
| 3 | Tertiary Upgrades - North and South Secondary Treatment Plant Upgrades | \$ - | \$ - | \$ - | \$ - | \$ - | 0.00% | 100.00% | \$ - | \$ - | 0.00% \$ | - | \$ - |
| 4a | Tertiary Upgrades - New Secondary/Tertiary Treatment Plant (Phase 1) | \$ 132,889,001 | \$ 2,019,477 | \$ 134,908,478 | \$ 77,331,936 | \$ 57,576,542 | 9.56% | 90.44% | \$ 52,072,582 | \$ 5,503,959 | 25.00% \$ | 1,375,990 | \$ 4,127,969 |
| 4b | Tertiary Upgrades - New Secondary/Tertiary Treatment Plant (Phase 2) | \$ 224,800,000 | \$ - | \$ 224,800,000 | \$ - | \$ 224,800,000 | 100.00% | 0.00% | \$ - | \$ 224,800,000 | 25.00% \$ | 56,200,000 | \$ 168,600,000 |
| 5a | Chlorine Contact Tank and Outfall - Railway Re-Alignment | \$ - | \$ - | \$ - | \$ - | \$ - | 19.88% | 80.12% | \$ - | \$ - | 25.00% \$ | - | \$ - |
| 5b | Chlorine Contact Tank and Outfall - Secondary/Tertiary Chlorine contact Tank, Outfall and Red Hill Creek Upgrades | \$ 42,599,496 | \$ 647,373 | \$ 43,246,869 | \$ 23,174,887 | \$ 20,071,982 | 19.88% | 80.12% | \$ 16,081,115 | \$ 3,990,867 | 25.00% \$ | 997,717 | \$ 2,993,150 |
| 7 | Chlorine Contact Tank and Outfall - New Outfall (included in 5b project) | \$ - | \$ - | \$ - | \$ - | \$ - | 0.00% | 100.00% | \$ - | \$ - | 25.00% \$ | | \$ - |
| 8 | Plant Expansion - Engineering (Projects 1, 4a, 4b, 5, 13) Phase 1 | \$ 24,810,804 | \$ - | \$ 24,810,804 | \$ - | \$ 24,810,804 | 14.73% | 85.27% | \$ 21,156,173 | \$ 3,654,631 | 25.00% \$ | 913,658 | \$ 2,740,974 |
| 8 | Plant Expansion - Engineering (Projects 1, 4a, 4b, 5, 13) Phase 2 | \$ 25,573,521 | \$ - | \$ 25,573,521 | \$ | \$ 25,573,521 | 14.73% | 85.27% | \$ 21,806,541 | \$ 3,766,980 | 25.00% \$ | 941,745 | \$ 2,825,235 |
| 8 | Plant Expansion - Engineering (Projects 1, 4a, 4b, 5, 13) Phase 3 | \$ 28,300,000 | \$ - | \$ 28,300,000 | \$ - | \$ 28,300,000 | 100.00% | 0.00% | \$ - | \$ 28,300,000 | 25.00% \$ | 7,075,000 | \$ 21,225,000 |
| 8 | Plant Expansion - Engineering - Other Costs (includes WWE Modular Office Building) | \$ 5,623,839 | \$ 2,804,250 | \$ 8,428,089 | \$ - | \$ 8,428,089 | 14.73% | 85.27% | \$ 7,186,631 | \$ 1,241,457 | 25.00% \$ | 310,364 | \$ 931,093 |
| 6 | Biogas Digester - New WAS Thickening Facility (forms part of the Digester Upgrades) | \$ - | \$ - | \$ - | | \$ - | | 100.00% | \$ - | \$ - | 0.00% \$ | - | \$ - |
| 9 | Biogas Digester - Additional Dewatering Capacity | \$ - | \$ - | \$ | | \$ - | | 100.00% | \$ - | \$ - | 0.00% \$ | - | \$ - |
| 10 | Biogas Digester - Refurbishment of Digesters to Increase Capacity | \$ - | \$ - | \$ - | | \$ - | | 100.00% | \$ - | \$ - | 0.00% \$ | - | \$ - |
| 11a | Biogas Digester - Biogas Upgrades | \$ 45,005,784 | \$ - | \$ 45,005,784 | \$ 20,000,000 | \$ 25,005,784 | 12.89% | 87.11% | \$ 21,782,816 | \$ 3,222,968 | 25.00% \$ | 805,742 | \$ 2,417,226 |
| 11b | Biogas Digester - Digesters Upgrades | \$ 8,430,000 | \$ | \$ 8,430,000 | \$ - | \$ 8,430,000 | 100.00% | 0.00% | \$ - | \$ 8,430,000 | 25.00% \$ | 2,107,500 | \$ 6,322,500 |
| 12 | Biosolids Management Facility - Biosolids Thermal Reduction Dispossal Facility | \$ 99,440,000 | \$ - | \$ 99,440,000 | \$ 14,300,000 | \$ 85,140,000 | 18.84% | 81.16% | \$ 69,099,130 | \$ 16,040,870 | 25.00% \$ | 4,010,217 | \$ 12,030,652 |
| 13a | Electrical System Upgrades - New Electrical and power systems - Phase 1 | \$ 62,256,622 | \$ 946,097 | \$ 63,202,719 | \$ 35,721,251 | \$ 27,481,468 | 19.21% | 80.79% | \$ 22,202,989 | \$ 5,278,478 | 25.00% \$ | 1,319,620 | \$ 3,958,859 |
| 13b | Electrical System Upgrades - New Electrical and power systems - Phase 2 | \$ 34,844,000 | \$ - | \$ 34,844,000 | \$ - | \$ 34,844,000 | 100.00% | 0.00% | \$ - | \$ 34,844,000 | 25.00% \$ | 8,711,000 | \$ 26,133,000 |
| 14 | Collection System Upgrades | \$ 10,176,000 | \$ 154,642 | \$ 10,330,642 | \$ 6,784,000 | \$ 3,546,642 | 0.00% | 100.00% | \$ 3,546,642 | \$ - | 0.00% \$ | - | \$ - |
| | Total | \$ 919,646,680 | \$ 8,008,501 | \$ 927,655,181 | \$ 274,326,079 | \$ 653,329,102 | | | \$ 295,269,430 | \$ 358,059,672 | \$ | 89,514,918 | \$ 268,544,754 |



19. Water Services

City of Hamilton

Service: Water Services

| | | | | | | | | Less: | Potentia | I D.C. Recovera | able Cost |
|-------------------|---|---------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|--------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 63% | Non-Residential Share 37% |
| 1 | Ancaster Water Distribution System | 2019-2023 | 31,804,000 | 672,500 | | 31,131,500 | 7,402,000 | | 23,729,500 | 14,949,585 | 8,779,915 |
| 2 | Waterdown Water Distribution System | 2019-2023 | 20,414,000 | 811,000 | | 19,603,000 | 3,554,000 | 408,000 | 15,641,000 | 9,853,830 | 5,787,170 |
| 3 | Binbrook Water Distribution System | 2019-2023 | 11,465,000 | - | | 11,465,000 | - | 729,000 | 10,736,000 | 6,763,680 | 3,972,320 |
| 4 | AEGD/Mount Hope Water Distribution System | 2019-2023 | 761,000 | - | | 761,000 | - | | 761,000 | 479,430 | 281,570 |
| 5 | AEGD/Mount Hope Water Distribution System | 2024-2031 | 15,180,000 | - | | 15,180,000 | - | 3,636,000 | 11,544,000 | 7,272,720 | 4,271,280 |
| 6 | Hamilton Mountain Water Distribution System | 2019-2023 | 48,495,700 | 6,636,970 | | 41,858,730 | - | 1,277,000 | 40,581,730 | 25,566,490 | 15,015,240 |
| 7 | Hamilton Mountain Water Distribution System | 2024-2031 | 2,283,000 | - | | 2,283,000 | - | 215,000 | 2,068,000 | 1,302,840 | 765,160 |
| 8 | Stoney Creek Upper Water Distribution System | 2019-2023 | 39,036,000 | 2,705,250 | | 36,330,750 | 5,217,500 | 498,000 | 30,615,250 | 19,287,608 | 11,327,643 |
| 9 | Stoney Creek Upper Water Distribution System | 2024-2031 | 63,819,000 | 27,310,000 | | 36,509,000 | - | 3,107,000 | 33,402,000 | 21,043,260 | 12,358,740 |
| 10 | Stoney Creek Lower Water Distribution System | 2019-2023 | 1,353,000 | - | | 1,353,000 | - | | 1,353,000 | 852,390 | 500,610 |
| 11 | Stoney Creek Lower Water Distribution System | 2024-2031 | 7,317,000 | - | | 7,317,000 | - | | 7,317,000 | 4,609,710 | 2,707,290 |
| 12 | City Wide Water Distribution System | 2019-2023 | 92,448,000 | 5,636,700 | | 86,811,300 | 7,917,000 | | 78,894,300 | 49,703,409 | 29,190,891 |
| 13 | City Wide Water Distribution System | 2024-2031 | 19,294,000 | - | | 19,294,000 | 7,500,000 | | 11,794,000 | 7,430,220 | 4,363,780 |
| 14 | Existing Debt Principal (Discounted) | 2019-2023 | 98,608 | - | | 98,608 | - | | 98,608 | 62,123 | 36,485 |
| 15 | Existing Debt Interest (Discounted) | 2019-2023 | 8,228 | - | | 8,228 | - | | 8,228 | 5,183 | 3,044 |
| 16 | Growth Related Financing Costs (Discounted) | 2019-2034 | 32,135,051 | | | 32,135,051 | - | | 32,135,051 | 20,245,082 | 11,889,969 |
| 17 | Provisional Post Period Benefit Deduction | 2019-2031 | | 35,000,000 | | (35,000,000) | - | | (35,000,000) | (22,050,000) | (12,950,000) |
| 18 | Reserve Fund Adjustment | | | - | | - | 26,169,980 | | (26,169,980) | (16,487,087) | (9,682,893) |
| | | | | | | | | | | | |
| | Total | | 385,911,587 | 78,772,420 | - | 307,139,167 | 57,760,480 | 9,870,000 | 239,508,687 | 150,890,473 | 88,618,214 |

TABLE F-1 - WATER CAPITAL PROGRAM

| Area | Planning Period | Project ID | Project/Street | From | То | Length (m) | Size (mm) | Estimated Tota Cost (\$2019) | Direct Developer Contribution (\$2019) | Benefit to Existing | Benefit to Existing (\$2019) | Post Period Benefit (%) | Post Period Benefit (\$2019 | | Updated Timing | Updated Cost | Scope Change: Location | Scope Change: Length and/or Size | Project Added | 2014-2019 Change Details |
|---------------|-----------------|------------|---|---------------------------------------|-----------------------------------|------------|-------------|---------------------------------|---|------------------------|------------------------------------|----------------------------|--------------------------------|--------------|----------------|--------------|---------------------------|--|---------------|--|
| ATERDOWN | | | | | | | | | | | | | | | | | | | | |
| Waterdown | 0 to 5 years | W2-W-19 | New Road | Sadielou Blvd | Mosaic Dr | 700 | 400 | \$ 680,0 | 0 \$ 408,00 | 0% | \$ - | 0% | \$ | \$ 272,000 | | Х | Х | Х | | Updated length and alignment, updated unit cost (inflati |
| Waterdown | 0 to 5 years | W6-W-19 | HD016 Booster Station Upgrade, Back Up Power and Building Expansion | 208 L/s | 309 L/s | | 4 x 103 L/s | \$ 8,510,0 | 0 \$ | - 10% | \$ 851,000 | 0% | \$. | \$ 7,659,000 | | Х | | | | Updated cost based on City Capital Budget |
| Waterdown | 0 to 5 years | W10-W-19 | PD16 Feedermain - Valley Rd and Rock Chapel Rd | PS HD016 | Dundas St/Algonquin Ave | 2900 | 600 | \$ 10,813,0 | 0 \$ | - 25% | \$ 2,703,000 | 10% | \$ 811,000 | \$ 7,299,000 | | Х | | Х | | Updated cost - inflation only; slight alignment update |
| Waterdown | 0 to 5 years | W11-W-19 | Up Country Estates - Dundas St | 575 m west of Evans Ave | 210 m west of Evans Ave | 365 | 300 | \$ 411,0 | 0 \$ | - 0% | \$ - | 0% | \$ | \$ 411,000 | | Х | Х | Х | | Updated length, updated unit cost (inflation) |
| | | | | | | | | | | | | | | | | | | | | |
| NCASTER | | | | | | | | | | | | | | | | | | | | |
| Ancaster | 0 to 5 years | A1-W-19 | Garner Rd. | Southcote Rd | Fiddlers Green Rd | 2060 | 600 | \$ 9,936,0 | | - 0% | \$ - | 0% | \$ - | \$ 9,936,000 | | X | | | | Updated cost - inflation only |
| Ancaster | 0 to 5 years | A2-W-19 | Shaver Rd | Westview Ave | Katsura PI | 800 | 300 | \$ 902,0 | | - 75% | \$ 677,000 | | \$ - | \$ 225,000 | Х | Х | Х | | | Updated extents, updated unit cost (inflation) |
| Ancaster | 0 to 5 years | A4-W-19 | Ancaster Industrial Park - South Connection | McClure Rd Extension WM | Cormorant Dr (via Hydro Easement) | 900 | 300 | \$ 525,0 | | - 0% | \$ - | 0% | \$ - | \$ 525,000 | | Х | | X | | Updated length, updated unit cost (inflation) Diameter updated from 500mm to 600mm; unit cost |
| Ancaster | 0 to 5 years | A16-W-19 | Garner Rd | Fiddlers Green Rd | Hamilton Dr | 1680 | 600 | \$ 3,755,0 | | - 0% | \$ - | 0% | \$ - | \$ 3,755,000 | | Х | | Х | | updated (inflation) |
| Ancaster | 0 to 5 years | A17-W-19 | Garner Rd Reservoir W-H 18 | Hamilton Dr | Wilson St W | 1800 | 500 | \$ 3,236,0 | | - 0% | \$ - | 0% | \$ - | \$ 3,236,000 | | Х | | | | Updated unit cost - inflation only Updated capcity, location. Cost updated based on Cit |
| Ancaster | 0 to 5 years | A18-W-19 | (additional elevated storage) AEGD Proj B-20 | North of Jerseyville Road - Final loc | ation to be determined | | 9.9 ML | \$ 13,450,0 | 0 \$ | - 50% | \$ 6,725,000 | 10% | \$ 672,500 | \$ 6,052,500 | Х | Х | Х | | | Design Sheet |
| | | | | | | | | | | | | | | | | | | | | |
| EGD/MT. HOPE | | | | | | | | | | | | | | | | | | | | |
| AEGD/Mt. Hope | 0 to 5 years | MH5-W-19 | PD 18 Watermain on Southcote Rd | Garner Rd | 383 m South | 383 | 400 | \$ 372,0 | _ | - 0% | \$ - | 0% | \$ - | \$ 372,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 0 to 5 years | MH12-W-19 | PD 18 Watermain on Garner Rd and Glancaster Rd | HD018 | New Road | 400 | 400 | \$ 389,0 | | - 0% | \$ - | 0% | \$ - | \$ 389,000 | | Х | Х | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH1-W-19 | PD 18 Watermain on Smith Rd | Garner Rd | 389 m south | 389 | 300 | \$ 227,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 227,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH2-W-19 | PD 18 Watermain on new road | Southcote Rd | Smith Rd | 417 | 400 | \$ 405,0 | 0 \$ 243,00 | 0 0% | \$ - | 0% | \$ - | \$ 162,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH3-W-19 | PD 18 Watermain on Southcote Rd | New road | Hydro Corridor | 700 | 400 | \$ 680,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 680,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH7-W-19 | PD 6 Watermain on Book Rd | 372 m east of Smith Rd | Smith Rd | 372 | 400 | \$ 361,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 361,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH8-W-19 | PD 18 Watermain on Southcote Rd | Book Rd | 590 m north | 590 | 300 | \$ 344,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 344,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH9-W-19 | PD 18 Watermain on Smith Rd | Book Rd | 603 m north | 603 | 300 | \$ 352,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 352,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH10-W-19 | PD 18 Watermain on new road | Smith Rd | 421 m east | 421 | 400 | \$ 409,0 | 0 \$ 245,00 | 0% | \$ - | 0% | \$ - | \$ 164,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH11-W-14 | PD 6 Watermain on Glancaster Rd | Rymal Rd | Twenty Rd | 1325 | 400 | \$ 2,124,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 2,124,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH13-W-19 | PD 18 Watermain on new road | Raymond Rd Extension | 863 m west | 863 | 400 | \$ 839,0 | 0 \$ 503,00 | 0% | \$ - | 0% | \$ - | \$ 336,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH14-W-19 | PD 18 Watermain on new road | Raymond Rd Extension | 552 m east | 552 | 400 | \$ 536,0 | 0 \$ 322,00 | 0% | \$ - | 0% | \$ - | \$ 214,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH15-W-19 | PD 6 Watermain on Dickenson Rd | Garth St Extension | 953 m west | 953 | 300 | \$ 556,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 556,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH16-W-19 | PD 18 Watermain on Southcote Rd | Hydro Corridor | 293 m south | 293 | 400 | \$ 285,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 285,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH17-W-19 | PD 6 Watermain on Smith Rd | Book Rd | 259 m south | 259 | 400 | \$ 252,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 252,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH18-W-19 | PD 18 Watermain on Smith Rd | Hydro Corridor | 627 m north | 627 | 300 | \$ 366,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 366,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH19-W-19 | PD 18 Watermain on Smith Rd | Hydro Corridor | 350 m south | 350 | 300 | \$ 204,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 204,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH22-W-19 | PD 6 Watermain on Book Rd | Glancaster Rd | 595 m west | 595 | 400 | \$ 578,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 578,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH23-W-19 | PD 6 Watermain on Dickenson Rd | Glancaster Rd | 598 m east | 598 | 300 | \$ 349,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 349,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH24-W-19 | PD 6 Watermain on new Garth St Extension | Dickenson Rd | 837 m north | 837 | 400 | \$ 813,0 | 0 \$ 488,00 | 0% | \$ - | 0% | \$ - | \$ 325,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH25-W-19 | PD 6 Watermain on Dickenson Rd | Garth St | 870 m east | 870 | 300 | \$ 507,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 507,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH26-W-19 | PD 6 Watermain on new Garth St Extension | Glancaster Rd | 1365 m east | 1365 | 400 | \$ 1,326,0 | 96,00 | 0% | \$ - | 0% | \$ - | \$ 530,000 | | Х | Х | | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH27-W-19 | PD 6 Watermain on new Garth St Extension | Dickenson Rd | MH26-W-19 | 600 | 400 | \$ 583,0 | \$ 350,00 | 0% | \$ - | 0% | \$ - | \$ 233,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH28-W-19 | PD 6 Watermain on Smith Rd | 265 m south of Book Rd | 625 m south of Book Rd | 322 | 400 | \$ 313,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 313,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH29-W-19 | PD 6 Watermain on new Garth St Extension | Twenty Rd | 662 m south | 662 | 400 | \$ 643,0 | 0 \$ 386,00 | 0% | \$ - | 0% | \$ - | \$ 257,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH30-W-19 | PD 6 Watermain on Book Rd | Smith Rd | Southcote Rd | 397 | 400 | \$ 386,0 | \$ | - 0% | \$ - | 0% | \$ - | \$ 386,000 | | Х | | | | Updated unit cost - inflation only |
| AEGD/Mt. Hope | 6 years to UBBO | MH44-W-19 | PD 6 Watermain on new Garth St extension | Glancaster Rd | Smith Rd | 520 | 400 | \$ 505,0 | 0 \$ 303,00 | 0% | \$ - | 0% | \$ - | \$ 202,000 | | Х | | Х | | Updated length, updated unit cost (inflation) |
| AEGD/Mt. Hope | 6 years to UBBO | MH45-W-19 | PD 6 Watermain on Southcote Rd | Book Rd | 590 m south | 500 | 300 | \$ 292,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 292,000 | | | | | Х | New |
| AEGD/Mt. Hope | 6 years to UBBO | MH46-W-19 | PD 6 Watermain on Book Rd | Southcote Rd | 420 m west | 420 | 300 | \$ 245,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 245,000 | | | | | Х | New |
| AEGD/Mt. Hope | 6 years to UBBO | MH47-W-19 | PD 18 Watermain on Book Rd | West of Southcote Rd | East of Smith Rd | 1200 | 300 | \$ 700,0 | 0 \$ | - 0% | \$ - | 0% | \$ - | \$ 700,000 | | | | | Х | New |

| Area | Planning Period | Project ID | Project/Street | From | То | Length (m) | Size (mm) | Estimated Total Cost (\$2019) | Direct Developer Contribution (\$2019) | Benefit to Existing | Benefit to Existing (\$2019) | Post Period Benefit (%) | Post Period Benefit (\$2019 | Development Charges (\$2019) | Updated Timin | Updated Cost | Scope Change Location | Scope Change: Length and/or Size | 2014-2019 Change Details |
|-----------------------|-----------------|------------|--|-------------------------------------|---------------------------------|------------|-----------|----------------------------------|---|------------------------|------------------------------------|----------------------------|--------------------------------|---------------------------------|---------------|--------------|--------------------------|--|--|
| NBROOK | | | | _ | _ | | | | | | | | | | | | | _ | |
| Binbrook | 0 to 5 years | B2-W-19 | HD 019 Pumping Station Expansion | Regional Rd. 56 | | | | \$ 1,650,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 1,650,000 |) X | Х | | | Updated cost based on City Capital Budget |
| Binbrook | 0 to 5 years | B4-W-19 | Pumpkin Pass | West end of Cutts Cres and | Fletcher Rd | 400 | 400 | \$ 389,000 | \$ 233,000 | 0% | \$ - | 0% | \$ - | \$ 156,000 | | Х | х | х | Updated length, updated unit cost (inflation) |
| Binbrook | 0 to 5 years | B5-W-19 | Fletcher Rd | Pumpkin Pass Binbrook Rd | Pumpkin Pass | 400 | 400 | \$ 389,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 389,000 |) | Х | | | Updated unit cost - inflation only |
| Binbrook | 0 to 5 years | B6-W-19 | Binbrook Rd | West of Royal Winter Blvd | Fletcher Rd | 850 | 400 | \$ 826,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 826,000 | | Х | Х | Х | Updated length, updated unit cost (inflation) |
| Binbrook | 0 to 5 years | B7-W-19 | Binbrook Trunk Feedermain - Fletcher's Rd and Cemetery | Hydro Corridor | HD019 | 6950 | 400 | \$ 6,753,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 6,753,000 | | Х | Х | | Updated unit cost - inflation only |
| Binbrook | 0 to 5 years | B8-W-19 | Fletcher Rd | Binbrook Rd | Binhaven Boulevard Extension | 650 | 400 | \$ 632,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 632,000 | | Х | Х | | Updated unit cost - inflation only |
| Binbrook | 0 to 5 years | B9-W-19 | Binhaven Boulevard Extension | Brigham Ave | Fletcher Rd | 850 | 400 | \$ 826,000 | \$ 496,000 | 0% | \$ - | 0% | \$ - | \$ 330,000 | | Х | Х | Х | Updated length, updated unit cost (inflation) |
| | , | | | | | l | | , | | | | | | | 1 | | | | |
| MILTON MOUNTA | AIN | | | | | 1 | 1 | T | | 1 | | / | T | 1 | 1 | | 1 | 1 1 | |
| milton Mountain | 0 to 5 years | HM2-W-19 | Terni Blvd extension | 140m West of Upper Gage Ave | Miles Rd | 430 | 400 | \$ 418,000 | \$ 251,000 | 0% | \$ - | 0% | \$ - | \$ 167,000 |) | Х | Х | Х | Updated length, updated unit cost (inflation) |
| milton Mountain | 0 to 5 years | HM3-W-19 | Terni Blvd extension | Miles Rd | 300m west | 300 | 400 | \$ 292,000 | \$ 175,000 | 0% | \$ - | 0% | \$ - | \$ 117,000 | X | Х | | | Updated unit cost - inflation only |
| milton Mountain | 0 to 5 years | HM4-W-19 | Miles Rd | West extension of Terni Blvd | East extension of Terni Blvd | 50 | 400 | \$ 80,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 80,000 | X | Х | | | Updated unit cost - inflation only |
| milton Mountain | 0 to 5 years | HM5-W-19 | Vineberg Dr | 140m east of Upper Wentworth St | 570m east of Upper Wentworth St | 430 | 400 | \$ 418,000 | \$ 251,000 | 0% | \$ - | 0% | \$ - | \$ 167,000 |) | Х | | Х | Updated length, updated unit cost (inflation) |
| amilton Mountain | 0 to 5 years | HM8-W-19 | Twenty Rd Extension | Glover Rd | Trinity Church Rd | 580 | 400 | \$ 564,000 | \$ 338,000 | 0% | \$ - | 0% | \$ - | \$ 226,000 |) | Х | | | Updated unit cost - inflation only |
| amilton Mountain | 0 to 5 years | HM12-W-19 | Nebo Rd | Dickenson Rd | Hydro Corridor | 350 | 300 | \$ 395,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 395,000 |) | Х | Х | Х | Updated length, updated unit cost (inflation) |
| amilton Mountain | 0 to 5 years | HM13-W-19 | Dickenson Rd | Nebo Rd | 800m east of Nebo Rd. | 800 | 300 | \$ 902,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 902,000 | X | Х | | | Updated unit cost - inflation only |
| milton Mountain | 0 to 5 years | HM15-W-19 | Dartnall Rd and new road alignment | Twenty Rd | Dickenson Rd | 1475 | 300 | \$ 860,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 860,000 | | Х | Х | Х | Updated length, updated unit cost (inflation) |
| milton Mountain | 0 to 5 years | HM18-W-19 | Extension of Terni Blvd | 590m east of Upper Wentworth St | 300m west of Miles Rd | 450 | 400 | \$ 437,000 | \$ 262,000 | 0% | \$ - | 0% | \$ - | \$ 175,000 | X | Х | | | Updated unit cost - inflation only |
| milton Mountain | 0 to 5 years | HM20-W-19 | Stone Church Trunk Feedermain | First Rd W | HD06B | 5420 | 1050 | \$ 28,269,700 | \$ - | 0% | \$ - | 10% | \$ 2,826,970 | \$ 25,442,730 | X | Х | Х | Х | Updated alignment; cost update from City |
| milton Mountain | 0 to 5 years | HM26-W-19 | Rymal Rd E | Nebo Rd | Dartnall Rd | 550 | 300 | \$ 620,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 620,000 |) | Х | | Х | Updated unit cost - inflation only |
| amilton Mountain | 0 to 5 years | HM28-W-19 | PD7 Elevated Tank | Trinity Church Rd/ Twenty Rd (Exact | t location to be determined) | | 9.9 ML | \$ 15,240,000 | \$ - | 0% | \$ - | 25% | \$ 3,810,000 | \$ 11,430,000 |) | Х | Х | Х | Updated capcity, location. Cost updated based on C Project Sheet |
| milton Mountain | 6 years to UBBO | HM1-W-19 | Crerar Dr | 160m North of Stone Church Rd | Stone Church Rd. | 160 | 400 | \$ 155,000 | \$ 93,000 | 0% | \$ - | 0% | \$ - | \$ 62,000 |) | х | | | Updated unit cost - inflation only |
| amilton Mountain | 6 years to UBBO | HM21-W-19 | New East-West alignment | Upper Sherman Ave | Acadia Dr | 210 | 400 | \$ 204,000 | \$ 122,000 | 0% | \$ - | 0% | \$ - | \$ 82,000 | | Х | Х | Х | Updated length, updated unit cost (inflation) |
| amilton Mountain | 6 years to UBBO | HM27-W-19 | Upper Wentworth / Turner Park / Twenty Rd | South Limit at Hydro Corridor | Springside Dr | 1980 | 400 | \$ 1,924,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 1,924,000 | X | Х | | | Updated unit cost - inflation only |
| | , | | | | <u> </u> | | | | | | | | | | | | | | 1 |
| ONEY CREEK UP | PPER | | | | | | | | | | | | | 1 | | | | 1 | |
| Stoney Creek Upper | 0 to 5 years | SCU6-W-19 | First Rd W | Green Mountain Rd | Glover Mountain Rd | 855 | 400 | \$ 831,000 | \$ 498,000 | 0% | \$ - | 0% | \$ - | \$ 333,000 |) | Х | Х | Х | Updated length, updated unit cost (inflation) |
| Stoney Creek Upper | 0 to 5 years | SCU12-W-19 | PD5 Trunk Feedermain - Valve Chamber to Mud St | Valve Chamber 3B | Mud St W | 2500 | 1200 | \$ 11,400,000 | \$ - | 0% | \$ - | 10% | \$ 1,140,000 | \$ 10,260,000 |) | Х | Х | Х | Updated length and alignment, updated cost from Cit |
| Stoney Creek Upper | 0 to 5 years | SCU16-W-19 | Upper Mount Albion Rd | 235 m south of Highland Rd W | Highland Rd W | 235 | 300 | \$ 265,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 265,000 |) | Х | Х | | Updated unit cost - inflation only |
| Stoney Creek Upper | 0 to 5 years | SCU18-W-19 | PS W-H5A Upgrades | | | | | \$ 20,870,000 | \$ - | 25% | \$ 5,217,500 | 10% | \$ 1,565,250 | \$ 14,087,250 |) | Х | | | Updated cost from City Detail Sheet |
| Stoney Creek Upper | 0 to 5 years | SCU23-W-19 | PD5 Trunk Feedermain - HD05A to Valve Chamber | HD05A | Valve Chamber 3B | 240 | 1200 | \$ 5,670,000 | | 0% | | 0% | | \$ 5,670,000 |) | | | Х | New |
| Stoney Creek Upper | 6 years to UBBO | SCU7-W-19 | Highland Reservoir HDR07 (additional storage) | | | | 5.5 ML | \$ 12,420,000 | \$ - | 0% | \$ - | 25% | \$ 3,105,000 | \$ 9,315,000 |) | Х | | | Cost based on City Project Sheet |
| Stoney Creek Upper | 6 years to UBBO | SCU17-W-19 | Elfrida Distribution Network | | | | | \$ 27,695,000 | \$ 3,107,000 | 0% | \$ - | 66% | \$ 18,279,000 | \$ 6,309,000 | | Х | | | Updated cost - inflation only |
| Upper | 6 years to UBBO | SCU21-W-19 | New Zone 7 Booster Pumping Station | Upper Centennial Pkwy and Rymal F | Rd E | | 55 MLD | \$ 19,480,000 | \$ - | 0% | \$ - | 25% | \$ 4,870,000 | \$ 14,610,000 |) | Х | | | Updated capcity. Cost updated based on City Projec Sheet |
| Stoney Creek Upper | 6 years to UBBO | SCU22-W-19 | Upper Centennial Pkwy | Mud St | New PD 7 Booster Station | 1890 | 600 | \$ 4,224,000 | \$ - | 0% | \$ - | 25% | \$ 1,056,000 | \$ 3,168,000 | | Х | Х | Х | Updated length, updated unit cost (inflation) |
| ONEY CREEK LO |)WED | | | | | | , | | | | | | | | | | | | |
| Stoney Creek | 0 to 5 years | SCL4-W-19 | Replacement on Lewis Rd | Hwy 8 | Barton St | 500 | 300 | \$ 564,000 | \$ | 0% | - | 0% | | \$ 564,000 |) x | X | | | Updated cost - inflation only |
| Lower Stoney Creek | · | | Glover Rd | Barton St | Service Rd Extension | 700 | 300 | \$ 789,000 | | 0% | \$ - | 0% | \$ - | \$ 789,000 | | X | | | Updated cost - Inflation only Updated cost - inflation only |
| Lower Stoney Creek | 0 to 5 years | | | | Arvin Ave | | | | | | • | | • | | | | | | |
| Lower Stoney Crook | 6 years to UBBO | | Millen Rd | South Service Rd | | 670 | 400 | \$ 1,074,000 | 3 - | 0% | 3 - | 0% | a - | \$ 1,074,000 | | X | | X | Updated length, updated unit cost (inflation) |
| Lower Stoppy Crook | 6 years to UBBO | | South Service Rd | Fruitland Rd | Jones Rd | 950 | 400 | \$ 1,523,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 1,523,000 | | X | | X | Updated length, updated unit cost (inflation) |
| Lower | 6 years to UBBO | | South Service Rd | Millen Rd | Seaman St | 1600 | 400 | \$ 2,565,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 2,565,000 | | X | | | Updated cost - inflation only |
| Lower Stoney Creek | 6 years to UBBO | | Dewitt Rd | CNR Tracks | Barton St | 610 | 300 | \$ 688,000 | \$ - | 0% | \$ - | 0% | \$ - | \$ 688,000 | | Х | | | Updated cost - inflation only |
| Stories Steek | 6 years to UBBO | SCL11-W-19 | Jones Rd | South Service Rd | Barton St | 915 | 400 | \$ 1,467,000 | - \$ | 0% | - \$ | 0% | - \$ | \$ 1,467,000 |) [| X | 1 | 1 | Updated cost - inflation only |

TABLE F-2 - WATER CAPITAL PROGRAM - CITYWIDE

| Area | Planning Period | Project ID | Project | Description | Estimated Total Cost | Direct Developer Contribution | City Cost Share | Post Period Benefit | Development Charges (\$2019) | Updated Timing | Updated Cost | Scope Change: Location | Scope Change: Length and/or Size | Project Added | 2014-2019 Change Details |
|--------------------|-----------------|------------|---|---|----------------------|----------------------------------|-----------------|---------------------|------------------------------|----------------|--------------|---------------------------|--|---------------|---|
| City Wide Projects | 0 to 5 years | CW1-W-19 | Oversizing of Infrastructure-Watermains | Oversizing of servicing infrastructure within subdivisions | \$ 306,000 | \$ - | \$ - | \$ - | \$ 306,000 | | Х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW2-W-19 | Regional Subdivider's Share for Local Improvements | | \$ 1,161,00 | 0 \$ - | \$ - | \$ - | \$ 1,161,000 | | Х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | | Intensification Infrastructure Upgrades - Water (0-5 years) | Upgrades to existing infrastructure to accommodate intensification | \$ 15,000,00 | 0 \$ - | \$ 7,500,000 | \$ - | \$ 7,500,000 | | Х | | Х | | Updated cost; increased to account for additional anticipated intensification costs |
| City Wide Projects | 0 to 5 years | CW5-W-19 | HD12A Governor's Rd Pumping Station Upgrades | Additional pumping capacity new pump and new standby power (3ML/d) | \$ 3,518,00 | 0 \$ - | \$ - | \$ - | \$ 3,518,000 | | Х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW6-W-19 | Governor's Rd PD 11 Watermain Extension | Twin Watermain feeding HD12A (220 m 400mm) | \$ 1,560,00 | 0 \$ - | \$ - | \$ - | \$ 1,560,000 | | Х | | | | Updated Cost - City Estimate |
| City Wide Projects | 0 to 5 years | CW7-W-19 | Governor's Rd PD 22 Watermain Extension | New watermain from HD12A to PD22 on Governor's Rd and Moss Blvd (1000m 300 mm) | 1,340,00 | 0 \$ - | \$ - | s - | \$ 1,340,000 | | Х | | | | Updated Cost - City Estimate |
| City Wide Projects | 0 to 5 years | CW12-W-19 | Woodward WTP | Sedimentation Tank and Pre-Chlorination Upgrades (MP W-17 & W-18) | \$ 56,367,00 | 0 \$ - | \$ - | \$ 5,636,700 | \$ 50,730,300 | | Х | | | | Updated Cost - City Estimate |
| City Wide Projects | 0 to 5 years | CW14-W-19 | Oversizing of Infrastructure-Watermains | Oversizing of servicing infrastructure for subdivisions not identified on draft plans | \$ 7,261,00 | 0 \$ - | \$ - | s - | \$ 7,261,000 | | Х | | | | Updated cost - inflation only |
| City Wide Projects | 0 to 5 years | CW15-W-19 | Large diameter and cut-in valves on existing watermains | | \$ 1,405,00 | 0 \$ - | \$ - | \$ | \$ 1,405,000 | | Х | | х | | Updated cost and combined with previous project CW13 |
| City Wide Projects | 0 to 5 years | CW23-W-19 | Master Plan and additional studies | | \$ 1,000,00 | 0 | | | \$ 1,000,000 | | | | | х | New |
| City Wide Projects | 0 to 5 years | CW24-W-19 | Freelton Well (FDF01) Capacity Increase | Increase the capacity of the Freelton municipal well in order to meet the ultimate water demand of the Freelton Rural Settlement Area | \$ 3,530,00 | 0 \$ | \$ 417,000 | \$ - | \$ 3,113,000 | | | | | Х | New |
| City Wide Projects | 6 years to UBBO | CW4-W-19 | Intensification Infrastructure Upgrades - Water | Upgrades to existing infrastructure to accommodate intensification | \$ 15,000,00 | 0 \$ - | \$ 7,500,000 | \$ - | \$ 7,500,000 | | Х | | х | | Updated cost; increased to account for additional anticipated intensification costs |
| City Wide Projects | 6 years to UBBO | CW11-W-19 | Locke St Watermain | Locke St from Barton St to Main St (1500 m; 500 mm) | \$ 4,294,00 | 0 \$ - | \$ - | \$ - | \$ 4,294,000 | | х | | Х | | |



20. Stormwater Services

City of Hamilton

Service: Stormwater Works & Studies (excluding Facilities) - Within Separated Sewer System

| | | | | | | | | Less: | Potenti | al D.C. Recove | rable Cost |
|-------------------|--|------------------|--|------------------------|---------------------|------------------|---------------------------------------|--|------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 44% | Non-Residential Share 56% |
| 1 | Improvements - Residential (Category A) | 2019-2023 | 2,913,000 | - | | 2,913,000 | | | 2,913,000 | 1,281,720 | 1,631,280 |
| 2 | Improvements - Residential (Category A) | 2024-2028 | 1,410,000 | - | | 1,410,000 | - | | 1,410,000 | 620,400 | 789,600 |
| 3 | Open Watercourses - Channel System Improvements - Residential (Category A) | 2029-2031 | 15,650,000 | - | | 15,650,000 | - | > | 15,650,000 | 6,886,000 | 8,764,000 |
| 4 | Open Watercourses - Channel System Improvements - Non-Residential (Category A) | 2019-2023 | 1,590,000 | - | | 1,590,000 | 795,000 | | 795,000 | 349,800 | 445,200 |
| 5 | Open Watercourses - Channel System Improvements - Non-Residential (Category A) | 2029-2031 | 21,497,000 | - | | 21,497,000 | 2,667,500 | | 18,829,500 | 8,284,980 | 10,544,520 |
| 6 | Off Site Erosion Works (Category B) | 2019-2031 | 25,804,837 | - | | 25,804,837 | 12,339,935 | | 13,464,902 | 5,924,557 | 7,540,345 |
| | Oversizing of trunk sewers and culverts (Category D) | 2019-2023 | 12,498,070 | - | | 12,498,070 | - | | 12,498,070 | 5,499,151 | 6,998,919 |
| 8 | Oversizing of trunk sewers and culverts (Category D) | 2024-2028 | 2,784,639 | - | | 2,784,639 | - | | 2,784,639 | 1,225,241 | 1,559,398 |
| 9 | Culverts and Bridges not previously identified (Category E) | 2019-2022 | 2,191,800 | • | | 2,191,800 | 337,200 | | 1,854,600 | 816,024 | 1,038,576 |
| 10 | Culverts and Bridges not previously identified (Category E) | 2023-2031 | 7,249,800 | | | 7,249,800 | 1,331,940 | | 5,917,860 | 2,603,858 | 3,314,002 |
| | | 2019-2031 | 19,497,638 | - | | 19,497,638 | - | | 19,497,638 | 8,578,961 | 10,918,677 |
| 12 | Principai (Discounted) | 2019-2031 | 212,923 | - | | 212,923 | - | | 212,923 | 93,686 | 119,237 |
| | Existing Debt on Growth Related Projects - Interest (Discounted) | 2019-2031 | 61,539 | - | | 61,539 | - | | 61,539 | 27,077 | 34,462 |
| | Reserve Fund Adjustment | | 1,243,801 | | | 1,243,801 | - | | 1,243,801 | 547,273 | 696,529 |
| | Stormwater Studies: | | | | | - | - | | - | - | - |
| 15 | Stormwater Management Monitoring (Separated System) | 2019-2031 | 8,000,000 | ı | | 8,000,000 | - | | 8,000,000 | 3,520,000 | 4,480,000 |
| 16 | Separated System Area | 2019-2031 | 3,750,000 | • | | 3,750,000 | - | | 3,750,000 | 1,650,000 | 2,100,000 |
| 17 | System) | 2019-2028 | 6,000,000 | - | | 6,000,000 | - | | 6,000,000 | 2,640,000 | 3,360,000 |
| 18 | Cherry Beach EA & Preliminary Design Study (Lower Stoney Creek) (Separated System) | 2022 | 500,000 | - | | 500,000 | - | | 500,000 | 220,000 | 280,000 |

City of Hamilton

Service: Stormwater Works & Studies (excluding Facilities) - Within Separated Sewer System

| | | | | | | | | Less: | Potenti | al D.C. Recove | rable Cost |
|-------------------|--|------------------|--|------------------------|---------------------|------------------|---------------------------------------|--|-------------|-----------------------------|---------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 44% | Non-Residential Share 56% |
| 19 | Falkirk East Storm Drainage Study (Separated System) | 2025 | 500,000 | - | | 500,000 | | | 500,000 | 220,000 | 280,000 |
| | Stoney Creek Watercourse 6 Drainage Improvements Hwy. 8 to Lake Ontario (Separated System) | 2019 | 1,500,000 | - | | 1,500,000 | 1 | | 1,500,000 | 660,000 | 840,000 |
| | Stoney Creek Watercourse 7 Drainage Improvements Upstream of Barton to Hwy. 8 (Separated System) | 2020 | 750,000 | - | | 750,000 | - | | 750,000 | 330,000 | 420,000 |
| 22 | Watercourse 10 - S.C.U.B.E. Drainage Improvement Study (Separated System) | 2020 | 500,000 | - | | 500,000 | - | | 500,000 | 220,000 | 280,000 |
| | Stormwater Master Plan Update - City Wide (Proportion for Separated Sewer System) | 2019 | 208,717 | - | | 208,717 | 41,743 | | 166,973 | 73,468 | 93,505 |
| 24 | Stormwater Master Plan Update - City Wide (Proportion for Separated Sewer System) | 2024 | 1,252,301 | - | | 1,252,301 | 250,460 | | 1,001,840 | 440,810 | 561,031 |
| | Stormwater Master Plan Update - City Wide (Proportion for Separated Sewer System) | 2029 | 1,252,301 | 400,736 | | 851,564 | 250,460 | | 601,104 | 264,486 | 336,618 |
| 26 | Unidentified Studies (Separated System) | 2019-2031 | 2,500,000 | · | | 2,500,000 | - | | 2,500,000 | 1,100,000 | 1,400,000 |
| | Total | | 141,318,366 | 400,736 | - | 140,917,630 | 18,014,239 | - | 122,903,392 | 54,077,492 | 68,825,899 |

City of Hamilton

Service: Stormwater Facilities - Within Separated Sewer System

| | | | | | | | | Less: | Potenti | al D.C. Recovera | able Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|-------------|------------------------------|------------------------------------|
| Project Number | Increased Service Needs Attributable to Anticipated Development 2019-2031 | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share 100% | Non- Residential Share 0% |
| 1 | Stormwater Management Quality/Quantity Facilities - Residential | 2019-2023 | 87,987,899 | - | | 87,987,899 | - | | 87,988,000 | 87,988,000 | - |
| 2 | Stormwater Management Quality/Quantity Facilities - Residential | 2024-2031 | 86,014,925 | - | | 86,014,925 | 5,922,300 | | 80,093,000 | 80,093,000 | - |
| 3 | Provision for Non-Residential Portion of Residential Ponds | 2019-2031 | (1,022,108) | - | | (1,022,108) | - | | (1,022,000) | (1,022,000) | - |
| 4 | Stormwater Management Quality/Quantity Facilities - Non- Residential | 2019-2023 | 4,122,067 | - | | 4,122,067 | 675,200 | 3,446,867 | - | - | - |
| | Stormwater Management Quality/Quantity Facilities - Non- Residential | 2024-2031 | 103,879,110 | - | | 103,879,110 | 2,018,178 | 101,860,932 | - | - | - |
| 6 | Provision for Residential Portion of Non-Residential Ponds | 2024-2031 | 651,896 | - | | 651,896 | - | | 652,000 | 652,000 | - |
| 7 | GRIDS Related SWM Projects - Residential Portion | 2019-2031 | 98,626,698 | | | 98,626,698 | - | | 98,627,000 | 98,627,000 | - |
| 8 | GRIDS Related SWM Projects - Non-Residential Portion | 2019-2031 | 179,980,176 | 59,113,323 | | 120,866,853 | - | 120,866,853 | - | - | - |
| 9 | Provision for Stormwater Credits | 2019-2031 | 28,922,863 | - | | 28,922,863 | - | | 28,922,863 | 28,922,863 | - |
| 10 | Provision for Best Efforts Agreements | 2019-2031 | 952,693 | - | | 952,693 | - | | 952,693 | 952,693 | - |
| 11 | Reserve Fund Adjustment | | 2,942,503 | - | | 2,942,503 | - | | 2,942,503 | 2,942,503 | - |
| | Total | | 593,058,722 | 59,113,323 | - | 533,945,399 | 8,615,678 | 226,174,652 | 299,156,059 | 299,156,059 | - |

City of Hamilton

Service: Stormwater Facilities - Within Combined Sewer System

| | | | | | | | | Less: | Potenti | al D.C. Recovera | able Cost |
|-------------------|--|------------------|--|------------------------|---------------------|---------------------|---------------------------------------|--|------------|----------------------|------------------------------|
| Project Number | Development | Timing (year) | Gross Capital Cost Estimate (2019\$) | Post Period Benefit | Other Deductions | Net Capital Cost | Benefit to Existing Development | Grants, Subsidies and Other Contributions Attributable to New Development | Total | Residential Share | Non- Residential Share |
| | 2019-2031 | | | | | | | Development | | 100% | 0% |
| | Stormwater Management Quality/Quantity Facilities (Combined) | 2024-2031 | 6,000,000 | - | | 6,000,000 | - | | 6,000,000 | 6,000,000 | - |
| | Oversizing of trunk sewers and culverts (Category D) | 2019-2023 | 2,000,000 | - | | 2,000,000 | | | 2,000,000 | 2,000,000 | - |
| 3 | Oversizing of trunk sewers and culverts (Category D) | 2025-2031 | 1,000,000 | - | | 1,000,000 | - | | 1,000,000 | 1,000,000 | - |
| | Stormwater Studies: | | | | | | | · | | | |
| 1 1 | Specific Area Water Shed Master Plans for Combined Sewer Area | 2019-2031 | 3,750,000 | - | | 3,750,000 | - | | 3,750,000 | 3,750,000 | - |
| 5 | Ainslie Wood Westdale Stormwater Drainage Master Plan (Combined System) | 2019 | 750,000 | - | | 750,000 | - | | 750,000 | 750,000 | - |
| 6 | Ainsliewood/Westdale Neighbourhoods Class EA (Combined System) | 2023 | 340,000 | - | | 340,000 | - | | 340,000 | 340,000 | - |
| / | Unidentified Studies (Combined System) | 2019-2031 | 2,500,000 | | | 2,500,000 | - | | 2,500,000 | 2,500,000 | - |
| 8 | Stormwater Master Plan Update - City Wide (Proportion for Combined Sewer System) | 2019 | 41,283 | | | 41,283 | 8,257 | | 33,027 | 33,027 | - |
| 9 | Stormwater Master Plan Update - City Wide (Proportion for Combined Sewer System) | 2024 | 247,699 | - | | 247,699 | 49,540 | | 198,160 | 198,160 | - |
| 10 | Stormwater Master Plan Update - City Wide (Proportion for Combined Sewer System) | 2029 | 247,699 | 79,264 | | 168,436 | 49,540 | | 118,896 | 118,896 | - |
| 11 | Reserve Fund Adjustment | | 76,961 | - | | 76,961 | - | | 76,961 | 76,961 | - |
| | Total | | 16,953,643 | 79,264 | - | 16,874,379 | 107,336 | - | 16,767,043 | 16,767,043 | - |

APPENDIX G-1: CATEGORY A - OPEN WATERCOURSES: CHANNEL SYSTEM IMPROVEMENTS (IDENTIFIED PROJECTS) RESIDENTIAL

| | Category | • | | | | | | SWMF/ Dra | inage Work | | | | | | | |
|-----------------------|-------------------|-----------|---|---------------|-----------------------|---|---|-----------------------------------|------------|-------------|------------|-------------------------------------|-------------------------------------|--|---------------------|------------------------|
| Primary Dev. Areas | Build Out (yr) | Secondary | Project Title | Study Year | Drainage Area (ha) | Purpose | Type of Work | Location of Work | Туре | Description | Length (m) | 2014 Estimated Capital Cost (\$) | 2019 Estimated Capital Cost (\$) | Estimated Total Cost (Rounded)(\$) | Growth Related % | Net Total Cost (\$) |
| ANC | 6+ | А | Garner Road EA | 2013 | | | | Garner Rd Hwy 6 to Glancaster | | | | 1,250,000 | 1,405,000 | 1,410,000 | 100 | 1,410,000 |
| SCL | 11+ | А | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1989 | | | Lower culvert by 0.4 m - South Service Rd. under w/c #6 | | | | | 163,182 | 183,417 | 180,000 | 100 | 180,000 |
| SCL | 11+ | Α | SCUBE - Barton Street | 2013 | | | 7 structures (3@\$400k, 4@\$750k) | Fruitland to Fifty | | | | 4,200,000 | 4,720,800 | 4,720,000 | 100 | 4,720,000 |
| SCL | 0-5 | А | SCUBE Block 1 | 2017 | | road crossings at existing watercourses | 1 structure | Fruitland to N/S Collector | | | | 750,000 | 843,000 | 843,000 | 100 | 843,000 |
| SCL | 0-5 | | SCUBE Block 2 | 2017 | | road crossings at existing watercourses | 2 structures | Jones to Glover | | | | 1,500,000 | 1,686,000 | 1,690,000 | 100 | 1,690,000 |
| SCM | 11+ | А | ELFRIDA Secondary Plan major roads xngs | 2017 | | road crossings at existing watercourses | 20 culverts (6 small, 6 med, 8 large) | ELFRIDA SP | | | | 4,215,000 | 4,737,660 | 4,740,000 | 100 | 4,740,000 |
| WAT | 11+ | А | East West Corridor - North Waterdown Drive | 2012 | | road crossings at existing watercourses | 6 culverts (med) | EW2,3,4,7,8,EW9 | | | | | 1,011,600 | 1,010,000 | 100 | 1,010,000 |
| WAT | 11+ | Α | East West Corridor - North Waterdown Drive | 2012 | | road crossings at existing watercourses | 1 structure | EW5 | | | | | 5,000,000 | 5,000,000 | 100 | 5,000,000 |
| WAT | 0-5 | А | Parkside Drive EA | 2013 | | | | Parkside Dr Hwy 6 to Hollybush | | | | 337,200 | 379,013 | 380,000 | 100 | 380,000 |
| Total Reside | ential | | | | | | | | - | | | 12,415,382 | 19,966,490 | 19,973,000 | 100 | 19,973,000 |

ANC: Ancaster BMH: Binbrook / Mount Hope HAM: Hamilton Mountain SCL: Stoney Creek - Lower SCM: Stoney Creek - Mountain WAT: Waterdown



APPENDIX G-1: CATEGORY A - OPEN WATERCOURSES: CHANNEL SYSTEM IMPROVEMENTS (IDENTIFIED PROJECTS) NON-RESIDENTIAL

| AFFENDI | Category | | A - OPEN WATERCOL | JKSES. | CHANNEL | STSTEW INFROVEW | ENTS (IDENTIFIED | | inage Work | IIAL | | | | | | |
|-----------------------|-------------------|-----------|--|---------------|-----------------------|---|--|--|------------|------------------------------------|------------|-------------------------------------|-------------------------------------|--|---------------------|------------------------|
| Primary Dev. Areas | Build Out (yr) | Secondary | Project Title | Study Year | Drainage Area (ha) | Purpose | Type of Work | Location of Work | Туре | Description | Length (m) | 2014 Estimated Capital Cost (\$) | 2019 Estimated Capital Cost (\$) | Estimated Total Cost (Rounded)(\$) | Growth Related % | Net Total Cost (\$) |
| ANC | 0-5 | А | Ancaster Industrial Park - Cormorant Midblock | 2013 | | | culvert | Trinity to Tradewind | | | | | 400,000 | 400,000 | 50 | 200,000 |
| ANC | 0-5 | А | Ancaster Industrial Park - Cormorant Midblock | 2013 | | | channel improvements | Trinity to Tradewind | | | | | 400,000 | 400,000 | 50 | 200,000 |
| вмн | 11+ | А | AEGD major roads crossings | 2017 | | road crossings at existing watercourses | 40 culverts (12 small, 12 med, 16 large) | AEGD | | | | 8,430,000 | 9,475,320 | 9,480,000 | 100 | 9,480,000 |
| НАМ | 11+ | А | Red Hill Business Park - Dartnall Road | 2017 | | | 2 culverts (small) | Twenty to Dickenson | | | | | 400,000 | 400,000 | 100 | 400,000 |
| SCL | 11+ | А | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | | | Triple-Culvert replacement - QEW Corridor at w/c #5 | | | | | 1,405,493 | 1,579,774 | 1,580,000 | 100 | 1,580,000 |
| SCL | 11+ | А | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | | | New culvert - North Service Rd. at w/c #5 | | | | | 233,434 | 262,380 | 260,000 | 100 | 260,000 |
| SCL | 11+ | А | Creek System Improvement W/C 7 | 2003 | | | Lower culvert by 0.4 m - South Service Rd. under w/c #6 | | | | | 117,145 | 131,670 | 130,000 | 50 | 65,000 |
| SCL | 11+ | Α | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | | | Culvert replacement - QEW Corridor on w/c #6.2 | | | | | 518,783 | 583,112 | 580,000 | 100 | 580,000 |
| SCL | 11+ | А | Water Course 5- Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | 582 | | channel improvements | | | Length of channel improvement work | 1015 | 2,305,703 | 2,591,610 | 2,590,000 | 100 | 2,590,000 |
| SCL | 11+ | Α | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | | | Lower culvert by 1.6 m - Arvin Ave. on w/c #5 | | | | | 62,477 | 70,224 | 70,000 | 20 | 14,000 |
| SCL | 11+ | А | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | | | Culvert replacement - CNR line on w/c #5 | | | | | 163,556 | 183,837 | 180,000 | 20 | 36,000 |
| SCL | 11+ | А | Water Course 6 - Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | 67 | | channel improvements | | | Length of channel improvement work | 1077 | 2,469,333 | 2,775,530 | 2,780,000 | 50 | 1,390,000 |
| SCL | 11+ | А | Master Drainage Plan Area No. 5, 6, 7. City of Stoney Creek | 1990 | | | Lower culvert by 1.84 m - South Service Rd. under w/c #5 | | | | | 117,145 | 131,670 | 130,000 | 100 | 130,000 |
| SCL | 0-5 | А | SCUBE - Barton Street | 2017 | | | WC9 channel/enclosure | west property limit of school to 140 m east | | | | 700,000 | 786,800 | 790,000 | 50 | 395,000 |
| SCL | 11+ | А | SCUBE - NSR | 2013 | | | culvert | Green easterly to City limits | | | | 750,000 | 843,000 | 843,000 | 100 | 843,000 |
| WAT | 11+ | А | Hwy 5/6 Interchange | | | | 2 or 3 culverts | Hwy 5/6 and ramp | | | | 1,200,000 | 1,348,800 | 1,350,000 | 25 | 337,500 |
| WAT | 11+ | А | Highway 6 | | | | culvert | Borer's Ck | | | | 1,000,000 | 1,124,000 | 1,124,000 | 100 | 1,124,000 |
| Total Non-R | esidential | | | | | | | L | ı | • | 1 | 19,473,068 | 23,087,728 | 23,087,000 | 85 | 19,624,500 |
| Grand Total | | | | | | | | | | | | 31,888,450 | 43,054,218 | 43,060,000 | 92 | 39,597,500 |

ANC: Ancaster

BMH: Binbrook / Mount Hope HAM: Hamilton Mountain SCL: Stoney Creek - Lower SCM: Stoney Creek - Mountain WAT: Waterdown

| ID# | Primary Development | Res/No | Subwatershed | Watershed | Remarks | Watershed Area ¹ | | evelopment a (ha) | Future Develo | | Development Fraction | Fraction of Watercourse Assumed to Require Erosion Control ² | Total Length of Downstream Watercourse to Assumed End- Point ³ | Length of Erosion Control Works | Cost ⁴ | Land Cost | Total Cost | New Development Fraction | Development Related Cost |
|-----|------------------------|-------------|---|---|---|--------------------------------|-----------|----------------------|---------------|---------------|----------------------------|---|---|--|-------------------|-----------|-------------|--------------------------------|-----------------------------|
| | Area | n-res | | | | A | B Res. | C | D | E Non-Res. | F = 100 X (B+C+D+E) / A | G | н | I = G X H | J | к | L=J+K | M = (D+E) / (B+C+D+E) | LXM |
| | | | | | | (ha) | (ha) | Non-Res. (ha) | Res. (ha) | (ha) | (%) | | (m) | (m) | (\$) | (\$) | (\$) | | (\$) |
| 2 | ANC | Non- Res | Big Creek (Outlet #1 & #2 Industrial Park) | Big Creek | | 271 | | 11.6 | 5.32 | 136.83 | 56.73 | 0.15 | 4,988 | 748 | \$1,122,300 | \$697,738 | \$1,820,038 | 0.925 | \$1,682,721 |
| 3 | ANC | Res | Big Creek (Spring Valley West and Shaver Neighbourhood) | Big Creek | South of Shaver Neighbourhood | 43 | 35 | | 5.5 | | 94.19 | 0.20 | 600 | 120 | \$180,000 | \$111,907 | \$291,907 | 0.136 | \$39,642 |
| 4 | ANC | Res | Big Creek (Spring Valley West and Shaver Neighbourhood) | Big Creek | | 100 | 70.92 | | 21.48 | 0.29 | 92.69 | 0.20 | 1,500 | 300 | \$450,000 | \$279,767 | \$729,767 | 0.235 | \$171,399 |
| 5 | ВМН | Non- Res | Three Mile Creek | Twenty Mile Creek | Part of Airport Business Park and Airport | 165 | | 20 | | 24.48 | 26.96 | 0.10 | 1,500 | 150 | \$225,000 | \$139,883 | \$364,883 | 0.550 | \$200,817 |
| 6 | ANC | Res | Tiffany Creek | Coote's Paradise | Meadowlands, Garner, Ancaster. A portion of the w/c is lined in a SWMF | 165 | 25 | | 129.84 | 0.37 | 94.07 | 0.20 | 2,500 | 500 | \$750,000 | \$466,278 | \$1,216,278 | 0.839 | \$1,020,369 |
| 7 | ANC | Res | Tiffany Creek | Coote's Paradise | Falkirk West and Bayview Glen Estates | 110 | | | 11.5 | 1.76 | 12.05 | 0.05 | 450 | 23 | \$33,750 | \$20,982 | \$54,732 | 1.000 | \$54,732 |
| 8 | ANC | Res | Sulphur Creek | Coote's Paradise | | 1794 | | | 15.98 | | 0.89 | 0.05 | 500 | 25 | \$62,500 | \$46,628 | \$109,128 | 1.000 | \$109,128 |
| 9 | ВМН | Res | Binbrook Node B | Welland River | Binbrook Urban area of 200 ha Draining at Node 'B' | 300 | 191.27 | | 100.12 | 0.5 | 97.30 | 0.20 | 4,500 | 900 | \$1,350,000 | \$725,881 | \$2,075,881 | 0.345 | \$715,595 |
| 11 | ВМН | Res | Binbrook Node D | Welland River | Three tributaries B7- a,b,c | 133 | | | 100.26 | | 75.38 | 0.20 | 4,100 | 820 | \$1,230,000 | \$661,358 | \$1,891,358 | 1.000 | \$1,891,358 |
| 12 | вмн | Res | Binbrook Node G | Twenty Mile Creek (Three Mile, Sinkhole Creek) | Jackson Heights etc | 25 | 15 | | 9.14 | | 96.56 | 0.20 | 750 | 150 | \$225,000 | \$120,980 | \$345,980 | 0.379 | \$130,997 |
| 13 | вмн | Res | Node of Welland River south of Mount Hope Urban Boundary SWMF # B-10 | Welland River | Mount Hope & adjacent areas (including Airport Business Area)-two outlet | 220 | 128.52 | 20 | 47.39 | 4.76 | 91.21 | 0.20 | 1,500 | 300 | \$450,000 | \$241,960 | \$691,960 | 0.260 | \$179,826 |
| 14 | ВМН | Non- Res | Node of Welland River north of Mount Hope Urban Boundary | Welland River | | 30 | | | | 20 | 66.67 | 0.15 | 1,200 | 180 | \$270,000 | \$145,176 | \$415,176 | 1.000 | \$415,176 |
| 15 | НАМ | Res | Node Downstream of Glanbrook Hills | Twenty Mile Creek (Three Mile, Sinkhole Creek) | Garth Trail, North Glenbrook Industrial Park, Airport Industrial Business Park, part of Binbrook and others | 40 | 20 | | 16.47 | | 91.18 | 0.20 | 900 | 180 | \$270,000 | \$145,176 | \$415,176 | 0.452 | \$187,495 |
| | | | ¹ To point immediately o | t/o of futuro dove | | cito oronion on | cocomont) | | • | | | • | 1 | | | | | | |

¹To point immediately d/s of future development (start of off-site erosion assessment)

Coote's Paradise (Borer's Creek, Spencer Creek, Sulphur Creek, Ancaster Creek, Chedoke Creek, Others)

Hamilton Harbour (Red Hill Creek, Central Business Park)

0.15 - Where Development Fraction is 50 - 74%

Page 3 of 20

²-0.05 - Where Development Fraction is 0 - 25% 0.10 - Where Development Fraction is 26 - 49%

^{0.20 -} Where Development Fraction is 75 - 100%

³Location where d/s of this point no erosion is deemed to occur from subject development; total drainage area to this point estimated as a maximum of 2X the study watershed area (Column A). Note that the end point may also be set by Hamilton Harbour or La 4\$2500/m for Watershed Area > 500 ha

^{\$1500/}m for Watershed Area < 500 ha

| ID# | Primary Development | Res/No | Subwatershed | Watershed | Remarks | Watershed Area ¹ | | evelopment a (ha) | Future Develo | | Development Fraction | Fraction of Watercourse Assumed to Require Erosion Control ² | Total Length of Downstream Watercourse to Assumed End- Point ³ | Length of Erosion Control Works | Cost ⁴ | Land Cost | Total Cost | New Development Fraction | Development Related Cost |
|-----|------------------------|-------------|---|---|---|--------------------------------|--------------|----------------------|---------------|------------------|----------------------------|---|---|--|-------------------|-----------|-------------|--------------------------------|-----------------------------|
| | Area | n-kes | | | | Α | В | С | D | E | F = 100 X (B+C+D+E) / A | G | н | I = G X H | J | К | L=J+K | M = (D+E) / (B+C+D+E) | LXM |
| | | | | | | (ha) | Res. (ha) | Non-Res. (ha) | Res. (ha) | Non-Res. (ha) | (%) | | (m) | (m) | (\$) | (\$) | (\$) | | (\$) |
| 16 | ВМН | Non- Res | Node Downstream of SWMF # R53 | Twenty Mile Creek (Three Mile, Sinkhole Creek) | | 40 | (iia) | (1.0) | (ria) | 36.81 | 92.03 | 0.20 | 850 | 170 | \$255,000 | \$137,111 | \$392,111 | 1.000 | \$392,111 |
| 17 | НАМ | Non- Res | Node Downstream of SWMF #B 13 | Twenty Mile Creek (Three Mile, Sinkhole Creek) | | 32 | | | | 19.67 | 61.47 | 0.15 | 600 | 90 | \$135,000 | \$72,588 | \$207,588 | 1.000 | \$207,588 |
| 18 | HAM | Non- Res | Node Downstream of SWMF # H 13 | Twenty Mile Creek (Three Mile, Sinkhole Creek) | | 181 | | | | 63.3 | 34.97 | 0.10 | 2,000 | 200 | \$300,000 | \$161,307 | \$461,307 | 1.000 | \$461,307 |
| 19 | НАМ | Non- Res | Node Downstream of SWMF # B 14 | Twenty Mile Creek (Three Mile, Sinkhole Creek) | | 58 | | | | 5.71 | 9.84 | 0.05 | 1,100 | 55 | \$82,500 | \$44,359 | \$126,859 | 1.000 | \$126,859 |
| 20 | НАМ | Non- Res | Node Downstream of SWMF # B 11 & B 12 | Twenty Mile Creek (Three Mile, Sinkhole Creek) | | 700 | 282.29 | | 26.2 | 48.63 | 51.02 | 0.15 | 3,000 | 450 | \$1,125,000 | \$725,881 | \$1,850,881 | 0.210 | \$387,829 |
| 21 | ВМН | Non- Res | Node Downstream of SWMF # B 15 & 16 | Twenty Mile Creek (Three Mile, Sinkhole Creek) | | 179 | 100 | | | 54.41 | 86.26 | 0.20 | 1,400 | 280 | \$420,000 | \$225,830 | \$645,830 | 0.352 | \$227,573 |
| 22 | НАМ | Res | Upper Ottawa subwatershed | Hamilton Harbour | Erosion works downstream identified in previous studies | 1356 | 766 | 308.9 | 136.28 | 0.86 | 89.38 | 0.20 | 1,100 | 220 | \$550,000 | \$354,875 | \$904,875 | 0.113 | \$102,385 |
| 23 | HAM | Res | Hannon Creek subwatershed | Hamilton Harbour | | 1070 | 115.2 | 357.7 | 75.95 | 292.53 | 78.63 | 0.20 | 2,000 | 400 | \$1,000,000 | \$645,228 | \$1,645,228 | 0.438 | \$720,523 |
| 25 | SCL | Res | Battlefield Creek | Lake Ontario (Battlefield Creek, SC, WC 0-12) | Nash | 300 | | | 62.09 | 1.92 | 21.34 | 0.05 | 1,250 | 63 | \$93,750 | \$50,408 | \$144,158 | 1.000 | \$144,158 |
| 26 | SCL | Res | Water Course 0 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | WC 0 | 321 | 112.9 | 149.7 | 1.12 | 2.98 | 83.08 | 0.20 | 50 | 10 | \$15,000 | \$8,065 | \$23,065 | 0.015 | \$355 |
| 27 | SCL | Res | Water Course 1 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | WC 1 | 330 | 157.5 | 61 | 13.09 | 2.87 | 71.05 | 0.15 | 1,900 | 285 | \$427,500 | \$229,862 | \$657,362 | 0.068 | \$44,748 |
| 28 | Water Course 10/12 | Non- Res | Fifty Point Industrial Park 1To point immediately | Lake Ontario (Battlefield Creek, SC, WC 0-12) | assumed Fruitland- Winona SP land use | 20 | | | | 16.56 | 82.80 | 0.20 | 600 | 120 | \$180,000 | \$96,784 | \$276,784 | 1.000 | \$276,784 |

¹To point immediately d/s of future development (start of off-site erosion assessment)

Coote's Paradise (Borer's Creek, Spencer Creek, Sulphur Creek, Ancaster Creek, Chedoke Creek, Others)

Hamilton Harbour (Red Hill Creek, Central Business Park)

²-0.05 - Where Development Fraction is 0 - 25%

^{0.10 -} Where Development Fraction is 26 - 49% 0.15 - Where Development Fraction is 50 - 74%

^{0.20 -} Where Development Fraction is 75 - 100%

³Location where d/s of this point no erosion is deemed to occur from subject development; total drainage area to this point estimated as a maximum of 2X the study watershed area (Column A). Note that the end point may also be set by Hamilton Harbour or La

^{4\$2500/}m for Watershed Area > 500 ha

^{\$1500/}m for Watershed Area < 500 ha

| ID# | Primary Development | Res/No | Subwatershed | Watershed | Remarks | Watershed Area ¹ | | evelopment a (ha) | Future Develo | | Development Fraction | Watercourse Assumed to Require Erosion Control ² | Downstream Watercourse to Assumed End- Point ³ | Length of Erosion Control Works | Cost ⁴ | Land Cost | Total Cost | New Development Fraction | Development Related Cost |
|-----|------------------------|-------------|-----------------------------------|--|---|--------------------------------|-----------|----------------------|---------------|----------|----------------------------|---|--|--|-------------------|-----------|-------------|--------------------------------|-----------------------------|
| | Area | II-Nes | | | | Α | В | С | D | E | F = 100 X (B+C+D+E) / A | G | н | I = G X H | J | к | L=J+K | M = (D+E) / (B+C+D+E) | LXM |
| | | | | | | | Res. | Non-Res. | Res. | Non-Res. | , | | | | | | | | |
| | | | | Lake Ontario | | (ha) | (ha) | (ha) | (ha) | (ha) | (%) | | (m) | (m) | (\$) | (\$) | (\$) | | (\$) |
| 29 | SCL | Res | Fifty Point Joint Venture | (Battlefield Creek, SC, WC 0-12) | | 45 | 32 | | 1.17 | 0.19 | 74.13 | 0.20 | 300 | 60 | \$90,000 | \$48,392 | \$138,392 | 0.041 | \$5,642 |
| 30 | SCL | Non- Res | Water Course 12 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | assumed Fruitland- Winona SP land use | 642 | 75.8 | 14.1 | 0.89 | 24 | 17.88 | 0.05 | 1,350 | 68 | \$168,750 | \$108,882 | \$277,632 | 0.217 | \$60,199 |
| 31 | SCL | Res | Water Course 2 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | WC 2 | 283 | 148 | 76.8 | 1.69 | 0.56 | 80.23 | 0.20 | 1,100 | 220 | \$330,000 | \$177,438 | \$507,438 | 0.010 | \$5,029 |
| 32 | SCL | Res | Water Course 3 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | WC 3 | 190 | 74.4 | 73.3 | 4.44 | 2.44 | 81.36 | 0.20 | 900 | 180 | \$270,000 | \$145,176 | \$415,176 | 0.045 | \$18,479 |
| 33 | SCL | Non- Res | Water Course 4 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | WC 4 | 376 | 133.9 | 60.9 | | 14 | 55.53 | 0.15 | 800 | 120 | \$180,000 | \$96,784 | \$276,784 | 0.067 | \$18,558 |
| 34 | SCL | Res | Water Course 5 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | w/c 5.1-1100m, w/c 5.0- 2500; assumed FWSP land use | 636 | 121.4 | 112.9 | 118.35 | 7.64 | 56.65 | 0.15 | 3,600 | 540 | \$1,350,000 | \$871,057 | \$2,221,057 | 0.350 | \$776,683 |
| 35 | SCL | Res | Water Course 6 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | assumed Fruitland- Winona SP land use | 100 | 19 | 18.1 | 50.39 | 11.65 | 99.14 | 0.20 | 1,300 | 260 | \$390,000 | \$209,699 | \$599,699 | 0.626 | \$375,281 |
| 36 | SCL | Non- Res | Water Course 7 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | assumed Fruitland- Winona SP land use | 421 | 77.2 | 28.2 | 25.28 | 36.2 | 39.64 | 0.10 | 1,000 | 100 | \$150,000 | \$80,653 | \$230,653 | 0.368 | \$84,975 |
| 37 | SCL | Non- Res | Water Course 9 | Lake Ontario (Battlefield Creek, SC, WC 0-12) | assumed Fruitland- Winona SP land use | 579 | 148.76 | 51.2 | 86.41 | 16.98 | 52.39 | 0.15 | 800 | 120 | \$300,000 | \$193,568 | \$493,568 | 0.341 | \$168,222 |
| 40 | SCM | Res | Sinkhole Creek | Mile, Sinkhole Creek) | Felkirk South and ROPA #9 (Rymal Rd.) | 140 | 63.1 | | 100.13 | | 116.59 | 0.20 | 1,200 | 240 | \$360,000 | \$193,568 | \$553,568 | 0.613 | \$339,575 |
| | | | ¹ To point immediately | d/s of future deve | elonment (start of of | -site erosion as | sessment) | | | | | | | | | | | | |

¹To point immediately d/s of future development (start of off-site erosion assessment)

²-0.05 - Where Development Fraction is 0 - 25%

^{0.10 -} Where Development Fraction is 26 - 49%

^{0.15 -} Where Development Fraction is 50 - 74%

^{0.20 -} Where Development Fraction is 75 - 100%

Coote's Paradise (Borer's Creek, Spencer Creek, Sulphur Creek, Ancaster Creek, Chedoke Creek, Others) Hamilton Harbour (Red Hill Creek, Central Business Park)

³Location where d/s of this point no erosion is deemed to occur from subject development; total drainage area to this point estimated as a maximum of 2X the study watershed area (Column A). Note that the end point may also be set by Hamilton Harbour or La

^{4\$2500/}m for Watershed Area > 500 ha

^{\$1500/}m for Watershed Area < 500 ha

| ID# | Primary Development | Res/No | Subwatershed | Watershed | Remarks | Watershed Area ¹ | | evelopment a (ha) | Future Develo (ha | | Development Fraction | Fraction of Watercourse Assumed to Require Erosion Control ² | Total Length of Downstream Watercourse to Assumed End- Point ³ | Length of Erosion Control Works | Cost ⁴ | Land Cost | Total Cost | New Development Fraction | Development Related Cost |
|-----|--|-------------|---|--|---|--------------------------------|--------------|----------------------|----------------------|------------------|----------------------------|---|---|--|-------------------|-------------|---------------------------------------|--------------------------------|-----------------------------|
| | Area | II-Res | | | | A | В | С | D | E | F = 100 X (B+C+D+E) / A | G | н | I = G X H | J | к | L=J+K | M = (D+E) / (B+C+D+E) | LXM |
| | | | | | | (ha) | Res. (ha) | Non-Res. (ha) | Res. (ha) | Non-Res. (ha) | (%) | | (m) | (m) | (\$) | (\$) | (\$) | | (\$) |
| 42 | WAT | Res | Falcon Creek | Grindstone Creek/ North Shore Watershed | OPA 28 South | (na) 48 | (na) | (na) | (na) 48 | (na) | 100.00 | 0.20 | 1,200 | 240 | \$360,000 | \$223,813 | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | 1.000 | \$583,813 |
| 43 | WAT | Res | Grindstone Creek SWMF # W7 | Grindstone Creek/ North Shore Watershed | | 45 | | | 45 | | 100.00 | 0.20 | 900 | 180 | \$270,000 | \$167,860 | \$437,860 | 1.000 | \$437,860 |
| 44 | WAT | Res | Grindstone Creek SWMF # W1 to SWMF # W8 | Grindstone Creek/ North Shore Watershed | OPA 28 South and Upcountry Estates, Gatesbury, etc. | 1011 | 254.8 | | 108.81 | | 35.97 | 0.10 | 2,000 | 200 | \$500,000 | \$373,022 | \$873,022 | 0.299 | \$261,251 |
| 45 | WAT | Non- Res | Flamborough Industrial Park SWMF # W14 | Grindstone Creek/ North Shore Watershed | | 45 | | | | 15 | 33.33 | 0.10 | 900 | 90 | \$135,000 | \$83,930 | \$218,930 | 1.000 | \$218,930 |
| 46 | WAT | Res | Indian Creek | Grindstone Creek/ North Shore Watershed | OPA 28 South | 14 | | | 10.91 | | 77.93 | 0.20 | 450 | 90 | \$135,000 | \$83,930 | \$218,930 | 1.000 | \$218,930 |
| 48 | ОТН | Res | Central Business Subwatershed | Hamilton Harbour | Not in growth area | 2400 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 49 | ОТН | Res | Chedoke Creek | Hamilton Harbour | Not in growth area | 2706 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 50 | OTH | Res | Green Hill subwatershed | Hamilton Harbour | Not in growth area | 1225 | 1102.5 | | | | 90.00 | 0.20 | 0 | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 51 | OTH | Res | Logies Creek | Coote's Paradise | Not in growth area | 1217 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 52 | OTH | Res | Lower Spencer Creek | Coote's Paradise | Not in growth area | 277 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 53 | OTH | Res | Mid Spencer Creek | Coote's Paradise | Not in growth area | 5513 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 54 | OTH | Res | Spring Creek | Coote's Paradise | Not in growth area | 1305 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| 55 | OTH | | Sydenham Creek | Coote's Paradise | Not in growth area | 442 | | | | | 0.00 | 0.00 | | 0 | \$0 | \$0 | \$0 | 0.000 | \$0 |
| | , and the second | | Grand Total | | | 27,643.0 | | 1,364.4 | 1,379.2 | 863.9 | 28.50 | | 58,638 | 9446 | \$16,191,050 | \$9,613,787 | \$25,804,837 | 52.18 | \$13,464,902 |

¹To point immediately d/s of future development (start of off-site erosion assessment)

*Location where d/s of this point no erosion is deemed to occur from subject development; total drainage area to this point estimated as a maximum of 2X the study watershed area (Column A). Note that the end point may also be set by Hamilton Harbour or La

²-0.05 - Where Development Fraction is 0 - 25%

^{0.10 -} Where Development Fraction is 26 - 49%

^{0.20 -} Where Development Fraction is 75 - 100%

^{0.15 -} Where Development Fraction is 50 - 74%

Coote's Paradise (Borer's Creek, Spencer Creek, Sulphur Creek, Ancaster Creek, Chedoke Creek, Others)
Hamilton Harbour (Red Hill Creek, Central Business Park)

^{4\$2500/}m for Watershed Area > 500 ha

^{\$1500/}m for Watershed Area < 500 ha

APPENDIX G-1: CATEGORY C - STORMWATER MANAGEMENT (QUALITY AND OR QUANTITY) FACILITIES RESIDENTIA

| | Category | | | Project Title | | | | | | | | SW | /MF/ Drainage 1 | Vork | | | | | | | | | | | |
|-----------------------|-------------------|-----------|-------|---|-------------------|-----------------------|---|--------------------------------|--|-----------------------|-------------------------|-------------------|-----------------------------------|-----------------------------------|---------------------------------------|----------------|-----------|--------------------------------|--|---------------------|---|------------------|---------------------------------------|------------------------------------|--------------------------------------|
| Primary Dev. Areas | Build Out (yr) | Secondary | SWMF# | | Year | Drainage Area (ha) | Purpose | Type of Work | Location of Work | Туре | Description | Total Volume (m3) | Estimated Footprint 4% (ha) | Estimated Footprint 6% (ha) | Study/Draft Plan Footprint (ha) | Footprint (ha) | Land Cost | Estimated Capital Cost (\$) | Estimated Total Cost Including Land | Growth Related % | Net GrowthTotal Assiciated Cost (\$) | Existing Benefit | Direct Developer Contribution (\$) | Non-Res Area Fraction Cost (\$) | Net Total Associated Cost (\$) |
| | | | - | | July. 1996 | | | Proposed Quality Facility | Between proposed Highway 6 | | | | | | | | | | | | | | | | |
| ANC | 11+ | С | 7 | Garner Neighbourhood Master Drainage Plan. Ancaster | Rev. Nov. 2003 | 10.4 | MDP addressing drainage related issues for existing and future development | #1: Extended detention wetland | (new) interchange corridor and the existing development | Quality | Storage Capacity = | 910 | 0.42 | | | 0.42 | 775,886 | 72,800 | 848,686 | 100 | 848,686 | - | | - | 848,686 |
| ANC | 0-5 | С | 14 | Meadowlands Phase IV | | 6 | | | Springbrook at Garner | Quality / Quantity | Storage Capacity = | 2,110 | | 0.36 | 0.60 | 0.60 | 1,119,066 | 168,797 | 1,287,863 | 100 | 1,287,863 | - | | - | 1,287,863 |
| ANC | 11+ | С | 22 | Woodland Manor Preliminary SWM Report | Jul-08 | 15.3 | SWM Plan for proposed urban development | SWMF | Sulpher Springs Road and Mansfield Drive | Quality / Quantity | Storage Volume = | 13,289 | | 0.92 | | 0.92 | 1,712,172 | 791,576 | 2,503,748 | 100 | 2,503,748 | - | - | - | 2,503,748 |
| ANC | 11+ | С | 24 | Miller's pond expansion | | 5 | | SWMF | Shaver Road and Garner Road | | | 3,600 | 0.20 | | | 0.20 | 373,022 | 288,000 | 661,022 | 100 | 661,022 | - | - | - | 661,022 |
| ANC | 11+ | С | 25 | Golf Stream Manor | | 36 | | | | Quality / Quantity | | 25,920 | 1.44 | | | 1.44 | 2,685,760 | 1,296,800 | 3,982,560 | 100 | 3,982,560 | - | - | - | 3,982,560 |
| ANC | 11+ | R | 3 | N/A | N/A | 31.34 | Flood Control | Future Retrofit | Galley Crt & Speers Rd | Quality | | | | | | 0.00 | - | 443,100 | 443,100 | 30 | 132,930 | 310,170 | - | - | 132,930 |
| ANC | 11+ | R | 22 | N/A | N/A | 2.19 | Flood Control | Future Retrofit | Harrington Place and Lover's | Quality | | | | | | 0.00 | - | 422,000 | 422,000 | 50 | 211,000 | 211,000 | - | - | 211,000 |
| ANC | 11+ | R | 70 | Drainage Report - The | N/A | 296.9 | | Future Retrofit | Hwy 403 and Golf Links Rd | Quality | | | | | | 0.00 | - | 4,135,600 | 4,135,600 | 40 | 1,654,240 | 2,481,360 | - | - | 1,654,240 |
| ANC | 11+ | R | 71 | Drainage Report - The Meadowlands | N/A | 42.51 | | Future Retrofit | Golf Links Rd and Meadowlands | Quality | | | | | | 0.00 | - | 601,350 | 601,350 | 40 | 240,540 | 360,810 | - | - | 240,540 |
| ANC | 11+ | R | 72 | Drainage Report - The Meadowlands | N/A | 18.03 | | Future Retrofit | Golf Links Rd. and Meadowlands Rlvd | Quality | | | | | | 0.00 | - | 422,000 | 422,000 | 40 | 168,800 | 253,200 | - | - | 168,800 |
| ВМН | 11+ | С | 24 | Ceterini | 2013 | 15 | | SWMF | Binbrook Rd west of Woodland | Quality / Quantity | Storage Capacity = | 9,400 | | 0.90 | | 0.90 | 1,451,762 | 635,996 | 2,087,758 | 100 | 2,087,758 | - | , | - | 2,087,758 |
| BMH | 0-5 | С | 10 | Mountaingate Functional Servicing Report | Oct. 2007 | 100.66 | SWM Plan for proposed urban development | SWMF | South west of new Hwy - 6 | Quality / Quantity | Storage Volume = | 34,698 | | 6.04 | 5.15 | 5.15 | 8,307,304 | 1,647,904 | 9,955,208 | 100 | 9,955,208 | - | - | - | 9,955,208 |
| ВМН | 11+ | С | 21 | Master Drainage Plan Update Report : Binbrook Settlement | Oct. 2006 | 31 | additional facility adjacent to the watercourse | SWMF | | Quality / Quantity | Storage Capacity = | 19,376 | | 1.86 | | 1.86 | 3,000,308 | 1,035,058 | 4,035,366 | 100 | 4,035,366 | | | - | 4,035,366 |
| BMH | 11+ | С | 20 | Binbrook Settlement Area | 2013 | 22.72 | MacNeilly facilty | SWMF | Area draining to the south west near Fletcher Road | Quality / Quantity | Storage Capacity = | 19,201 | | 1.36 | 1.80 | 1.80 | 2,903,524 | 1,028,029 | 3,931,552 | 100 | 3,931,552 | - | - | - | 3,931,552 |
| нам | 11+ | С | 12 | Hannon Creek SWS – North Glanbrook Industrial Business Park MDP | Nov. 2008 | 10 | | SWMF | Upper Gage/Terni in tandem with HAM29 | Quality / Quantity | Storage volume = | 8,817 | | 0.40 | | 0.40 | 645,228 | 612,664 | 1,257,892 | 100 | 1,257,892 | - | - | - | 1,257,892 |
| нам | 0-5 | С | 24 | Mewburn and Sheldon Neighbourhoods Master Servicing Plan | 2011 | 15.9 | SWM Plan for proposed urban development | SWMF | West 5thand Stonechurch Road | Quality / Quantity | Storage Capacity = | 12,650 | | 0.95 | 1.25 | 1.25 | 2,016,336 | 1,006,000 | 3,022,336 | 100 | 3,022,336 | - | - | - | 3,022,336 |
| НАМ | 11+ | С | 28 | 305 Stone Church Road West | 2011 | 33.29 | SWM Plan for proposed urban development | SWMF | NE limit of development | Quality / Quantity | Storage volume = | 20,382 | | 2.00 | 7 | 2.00 | 3,221,944 | 1,475,266 | 4,697,210 | 100 | 4,697,210 | - | | - | 4,697,210 |
| HAM | 11+ | С | 29 | Miles | 2011 | 42 | SWM Plan for proposed urban development | SWMF | NE limit of development | Quality / Quantity | Storage volume = | 30,240 | | 2.52 | | 2.52 | 4,064,933 | 1,969,600 | 6,034,533 | 100 | 6,034,533 | | - | - | 6,034,533 |
| HAM | 11+ | С | 30 | St Elizabeth expansion | 2013 | 50 | SWM facility expansion | SWMF | expand for new development | Quality / Quantity | Storage volume = | 38,000 | | | | 0.00 | - | 1,780,000 | 1,780,000 | 100 | 1,780,000 | - | - | - | 1,780,000 |
| НАМ | 0-5 | С | 31 | Upper Wellington and Stonechurch | | 14 | | SWMF | SW corner of Upper Wellington and Stonechurch Rd | Quantity / Quality | Extended Detention Pond | 11,263 | | 0.84 | 1.40 | 1.40 | 2,258,296 | 901,059 | 3,159,356 | 100 | 3,159,356 | | - | - | 3,159,356 |
| HAM | 11+ | R | 55 | Villages of Glancaster | Jul. 1990 | 77.63 | Flood Control | Future Retrofit | Twenty Rd and Garth St | Quality | | | 3.11 | | | 3.11 | 5,008,901 | 1,086,650 | 6,095,551 | 80 | 4,876,441 | 1,219,110 | - | - | 4,876,441 |
| SCL | 0-5 | С | 2 | SCUBE Subwatershed Study (Phase 3) | May-13 | 26.4 | Stormwater management strategy | SWMF | WC6 south of Barton SCUBE West | Quality | wet pond #3 | 13,216 | | 1.58 | 2.64 | 2.64 | 4,258,502 | 788,640 | 5,047,142 | 100 | 5,047,142 | - | - | - | 5,047,142 |
| SCL | 0-5 | С | 3 | SCUBE Subwatershed Study (Phase 3 - Block2) | Sep-18 | 16.4 | Stormwater management strategy | SWMF | WC6.1 south of Barton SCUBE West | Quantity / Quality | wet pond for 6.0 | 10,331 | | 0.98 | 1.64 | 1.64 | 2,645,433 | 673,240 | 3,318,673 | 100 | 3,318,673 | - | - | - | 3,318,673 |
| SCL | 0-5 | С | 31 | SCUBE Subwatershed Study (Phase 3 - Block 2) | Sep-18 | 27.6 | Stormwater management strategy | SWMF | WC6.1 south of Barton SCUBE West | Quantity / Quality | wet pond for 6.1 | 18,115 | | 1.66 | 2.76 | 2.76 | 4,452,070 | 984,600 | 5,436,670 | 100 | 5,436,670 | - | - | - | 5,436,670 |
| SCL | 0-5 | С | 12 | SCUBE Subwatershed Study (Phase 3) | May-13 | 54 | Stormwater management strategy | SWMF | SCUBE Central | Quantity / Quality | wet pond #9-2 | 34,060 | | 3.24 | 5.40 | 5.40 | 8,710,572 | 1,622,400 | 10,332,972 | 100 | 10,332,972 | - | - | - | 10,332,972 |
| SCL | 0-5 | С | 13 | SCUBE Subwatershed Study (Phase 3) | May-13 | 23.1 | Stormwater management strategy | SWMF | SCUBE Central | Quantity / Quality | wet pond #9-3 | 14,592 | | 1.39 | 2.31 | 2.31 | 3,726,189 | 843,680 | 4,569,869 | 100 | 4,569,869 | - | - | | 4,569,869 |
| ANC: Ancas | | | | (r rance e) | | | + | | | | | | | | | | | | | | | | | | |

ANC: Ancaster
BMH: Binbrook / Mount Hope
HAM: Hamilton Mountain
SCL: Stoney Creek - Lower
SCM: Stoney Creek - Mountain
WAT: Waterdown

APPENDIX G-1: CATEGORY C - STORMWATER MANAGEMENT (QUALITY AND OR QUANTITY) FACILITIES RESIDENTIA

| | Category | | | | | | | | | | | SWMF/ Drainage | Work | | | | | | | | | | | |
|-----------------------|-------------------|----------|-------|---|------------|-----------------------|--|--------------------------------------|---|-----------------------|------------------------------|---|-----------------------------------|---------------------------------------|----------------|------------|--------------------------------|--|---------------------|---|------------------|---------------------------------------|------------------------------------|--------------------------------------|
| Primary Dev. Areas | Build Out (yr) | Secondar | swwF# | Project Title | Year | Drainage Area (ha) | Purpose | Type of Work | Location of Work | Туре | Description | Total Volume (m3) Estimated Footprint 4% (ha) | Estimated Footprint 6% (ha) | Study/Draft Plan Footprint (ha) | Footprint (ha) | Land Cost | Estimated Capital Cost (\$) | Estimated Total Cost Including Land | Growth Related % | Net GrowthTotal Assiciated Cost (\$) | Existing Benefit | Direct Developer Contribution (\$) | Non-Res Area Fraction Cost (\$) | Net Total Associated Cost (\$) |
| SCL | 0-5 | С | 29 | SCUBE Subwatershed Study (Phase 3) | May-13 | 39.8 | Stormwater management strategy | SWMF | WC5 south of Barton SCUBE West | Quantity / Quality | wet pond #1 | 19,417 | 2.39 | 3.98 | 3.98 | 6,420,014 | 1,036,680 | 7,456,694 | 100 | 7,456,694 | | - | | 7,456,694 |
| SCL | 0-5 | С | 30 | SCUBE Subwatershed Study (Phase 3) | May-13 | 24.5 | Stormwater management strategy | SWMF | WC5.2 south of Barton SCUBE West | Quantity / Quality | wet pond #2 | 12,773 | 1.47 | 2.45 | 2.45 | 3,952,019 | 770,920 | 4,722,939 | 100 | 4,722,939 | - | - | - | 4,722,939 |
| SCL | 11+ | R | 16 | Lake Vista | | | Stormwater quality and associated resource management | Storm outfall retrofit | Lake Vista | Quality | OGS | | | | 0.00 | - | 50,000 | 50,000 | 100 | 50,000 | - | - | - | 50,000 |
| SCL | 11+ | R | 18 | Stormwater Quality Management Strategy Stoney Creek Master Plan | 2004 | 27.2 | Stormwater quality and associated resource management | Storm outfall retrofit | BFC. Little League Park, Queenston Rd. | Quality | Wetland | 2,413 | | | 0.00 | - | 193,040 | 193,040 | 100 | 193,040 | - | - | - | 193,040 |
| SCL | 11+ | R | 19 | Stormwater Quality Management Strategy Stoney Creek Master Plan | 2004 | 33 | Stormwater quality and associated resource management | Storm outfall retrofit | BFC, Lake Ave. Park, Huckleberry Dr. | Quality | Wetland | 2,582 | | | 0.00 | - | 206,560 | 206,560 | 100 | 206,560 | - | - | - | 206,560 |
| SCL | 11+ | R | 20 | Stormwater Quality Management Strategy Stoney Creek Master Plan | 2004 | 77 | Stormwater quality and associated resource management | Storm outfall retrofit | North of Barton St. | Quality | Wetland | 6,724 | | | 0.00 | - | 528,960 | 528,960 | 100 | 528,960 | - | - | - | 528,960 |
| SCL | 11+ | R | 21 | Stormwater Quality Management Strategy Stoney Creek Master Plan | 2004 | 20.5 | Stormwater quality and associated resource management | Storm outfall retrofit | Lake Avenue, Warrington St. | Quality | Wetland | 1,923 | | | 0.00 | - | 153,840 | 153,840 | 100 | 153,840 | | - | - | 153,840 |
| SCM | 0-5 | С | 10 | Summit Park - ROPA 9 | | 83.9 | MDP addressing drainage related issues for future development | Proposed wetland/wetpond #3 | West side of Swayze Road | Quantity / Quality | | 52,577 | | | 0.00 | - | | 3,320,000 | 100 | 3,320,000 | - | - | - | 3,320,000 |
| SCM | 0-5 | С | 18 | Future Planned Residential Development | | 42 | easterly portion | SWMF | | Quality / Quantity | | 29,890 | | | 0.00 | - | | 3,630,000 | 100 | 3,630,000 | - | - | | 3,630,000 |
| SCM | 11+ | С | 21 | Davis Ck SWS - Nash Nhd | | 21 | | SWMF | North limit of First Road W. at west side CH lands | Quality | Extended Detention Pond | 15,395 | 1.26 | | 1.26 | 2,032,467 | 875,794 | 2,908,261 | 100 | 2,908,261 | - | - | - | 2,908,261 |
| SCM | 0-5 | С | 22 | Davis Ck SWS - Nash Nhd | | 15 | | SWMF | North limit of First Road W. at east side | Quantity / Quality | Extended Detention Pond | 11,425 | 0.90 | | 0.90 | 1,451,762 | 716,996 | 2,168,758 | 100 | 2,168,758 | - | - | - | 2,168,758 |
| SCM | 11+ | С | 2 | Davis Ck SWS - Nash Nhd | | 22.85 | | Wet pond | Northwest portion, east of historical lands | Quantity / | Extended Detention Pond | 22,394 | | 1.66 | 1.66 | 2,677,694 | 1,435,757 | 4,113,451 | 100 | 4,113,451 | - | - | | 4,113,451 |
| SCM | 11+ | С | 6 | Montgomery Creek Nash Orchards | | 22.49 | | | | Quality | | 17,436 0.90 | | 1.35 | 1.35 | 2,177,643 | 957,429 | 3,135,072 | 100 | 3,135,072 | - | - | | 3,135,072 |
| SCM | 0-5 | С | 17 | Fieldgate Estates - Felker Community Functional SWM | Nov. 2008 | 30 | Functional Service Plan for proposed urban | SWMF | SW corner Mud St. and Upper Centennial PKWY. | Quality / Quantity | Storage volume = | 20,300 | 1.80 | 1.87 | 1.87 | 3,016,439 | 1,071,992 | 4,088,431 | 100 | 4,088,431 | - | - | 1,022,108 | 3,066,323 |
| SCM | 11+ | R | 65 | N/A | N/A | 15.2 | development | Future Retrofit | Hwy 20 and Highland Rd | Quality | | | | | 0.00 | | 422,000 | 422,000 | 30 | 126,600 | 295,400 | - | - | 126,600 |
| SCM | 11+ | R | 67 | Deerfield Estate Phase 1 | Apr. 1991 | 19.8 | | Future Retrofit | Rymal Rd E and Whitedeer Rd. | Quality | | | | | 0.00 | | 422,000 | 422,000 | 50 | 211,000 | 211,000 | - | | 211,000 |
| SCM | 11+ | R | 69 | Heritage Green Valley Park Stage II | Sept. 1990 | 83.9 | | Future Retrofit | Winter Drive and Paramount Drive | Quality | | | | | 0.00 | | 1,160,500 | 1,160,500 | 50 | 580,250 | 580,250 | - | - | 580,250 |
| WAT | 0-5 | С | 1 | Mtview Heights/Waterdown Bay Phase 2 | Jul-13 | 12.43 | To guide future development and management of the South Waterdown lands | SWMF | Grindstone Creek - East Tributary 58 (Northwest) | Quantity / Quality | Storage Capacity = | 13,509 | | | 0.00 | - | | 3,400,000 | 100 | 3,400,000 | - | - | - | 3,400,000 |
| WAT | 0-5 | С | 3 | Mtview Heights/Waterdown Bay Phase 2 | Jul-13 | 8.89 | To guide future development and management of the South Waterdown lands | SWMF | Grindstone Creek - East Tributary (north west) 5D | Quantity / | Storage Capacity = | 10,037 | | | 0.00 | | | 4,000,000 | 100 | 4,000,000 | - | - | - | 4,000,000 |
| WAT | 0-5 | С | 4 | Mtview Heights | Jul-13 | 41.06 | To guide future development and management of the South Waterdown lands | SWMF | Grindstone Creek - South west Tributary 2 | Quantity / Quality | Storage Capacity = | 53,288 | 2.46 | 2.98 | 2.60 | 4,849,288 | 2,991,510 | 7,840,798 | 100 | 7,840,798 | - | - | - | 7,840,798 |
| WAT | 11+ | С | 5 | Mtview Heights | Jul-13 | 12.71 | To guide future development and management of the South Waterdown lands | SWMF | East side of Waterdown Bay property | Quantity / Quality | Storage Capacity = | 28,055 | 0.76 | 1.56 | 1.56 | 2,909,573 | 1,582,188 | 4,491,761 | 100 | 4,491,761 | | - | | 4,491,761 |
| WAT | 11+ | С | 6 | Mtview Heights | Jul-13 | 5.66 | To guide future development and management of | SWMF | Salem Property | Quantity / | Storage Capacity = | 16,754 | 0.34 | | 0.34 | 633,392 | 930,160 | 1,563,551 | 100 | 1,563,551 | | - | - | 1,563,551 |
| WAT | 0-5 | С | 19 | Waterdown North Master Drainage Plan | Feb. 2007 | 9.7 | the South Waterdown lands Assess proposed expansion for the urban settlement area of Waterdown | SWMF for quality and erosion control | Along Borer's Creek, NW of Centre Road and Parkside Road intersection | Ountitu/Eron | i Storage Capacity = | 5,918 | | 1.75 | 1.75 | 756,744 | 473,448 | 1,230,192 | 100 | 1,230,192 | - | - | - | 1,230,192 |
| U | 11+ | С | U1 | Unidentified | | | provisional item for unidentified SWM works | | open | Quantity / | | | | | | - | 5,000,000 | 5,000,000 | 100 | 5,000,000 | - | - | - | 5,000,000 |
| U | 11+ | С | U2 | | Infills | | to include provision for LID infrastructure cost recovery | | open | Quality | | | | | | - | 1,500,000 | 1,500,000 | 100 | 1,500,000 | - | - | | 1,500,000 |
| U | 11+ | С | U3 | Frontage Costs | | | estimate of road frontage costs for 38 residential SWM facilities (Retrofits and Unidentified facilities excluded) | | open | Quantity / Quality | 120m * \$1500/m per facility | | | P | | - | 6,840,000 | 6,840,000 | 100 | 6,840,000 | - | - | - | 6,840,000 |
| U | 11+ | С | U4 | Land Footprint Contingency | | | estimate that 10 facilities will exceed the estimated land footprint by 20% | | open | Quantity / | | | | | | 3,500,000 | | 3,500,000 | 100 | 3,500,000 | - | - | - | 3,500,000 |
| U | 11+ | С | U5 | Facility Unidentified Volume Contingency | | | estimate that 1/10 facilities will exceed the estimated volume by 10% | | open | Quantity / | | | | | | | 3,150,000 | 3,150,000 | 100 | 3,150,000 | | - | | 3,150,000 |
| U | 11+ | С | U6 | Facility Unidentified Volume | | | estimate that 1/10 facilities will encounter | | open | Quantity / | | | | | | | 2,736,000 | 2,736,000 | 100 | 2,736,000 | - | - | | 2,736,000 |
| U | 11+ | c | U7 | Contingency Unidentified - Within | | | unanticipated 9000 m3 rock under study - estimate 3 projects will result in SWM | | combined sewershed | Quality / | | | | | 1 | <u> </u> | 6,000,000 | 6.000.000 | 100 | 6.000.000 | | - | | 6,000,000 |
| Total Res | | <u> </u> | - | Combined Sewershed | | | facilities @ \$2M each | | | Quality | | 682.978 | | I. | ! | 97.714.240 | | 180,002,824 | | 174.080.524 | 5.922.300 | n | 1.022.108 | -,, |
| | | | | | | | | | _ | | | 12.648 | | | | ,,240 | | | | ,,02-4 | -,2,000 | • | .,,100 | ,, |

APPENDIX G-1: CATEGORY C - STORMWATER MANAGEMENT (QUALITY AND OR QUANTITY FAGILITIES) NON-RESIDENTIAL - NOTE: FOR INFORMATION ONLY - NON-RES FACILITIES NOT INCLUDED IN DC CHARGE

| Part | | Category | | * | | | | | SWMF/ Drainage Work | | | | | | | | | | | 1 | | | | | Net Total |
|--|-------------|----------|--------|--------|---|-----------|-------|--|---|------------------------|-----------------------|---|-------------------|---------------------------|---------------------------|-----------|-------------------|------------|----------------------------|---|---|------------------|-------------|---------|-----------------------|
| No. Co. 10 Co. 10 Co. 10 Co. 10 Co. Co | | | Second | dary 🖁 | Project Title | Year | | Purpose | Type of Work | Location of Work | Type | Description | Total Volume (m3) | Estimated Footprint 4% | Estimated Footprint 6% | | a) Land Cost (\$) | | | | | Existing Benefit | | | Associated Cost |
| No. | Dev. Areas | (yr) | | , α | Ancaster Industrial Park, | | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | ,,, | | | (ha) | (ha) | (ha) | | Cost (\$) | Including Land | | | | | | (\$) |
| March Column Co | ANC | 11+ | С | 11 | Facilities Area No. 1.3 and 4 | | 8.2 | | | Detention Pond #A | | | 2,187 | 0.33 | | 0.33 | 611,756 | 174,929 | 786,685 | 0 | - | - | 786,685 | - | - |
| The content of the | ANC | 11+ | С | 23 | facility | Dec-07 | 30 | Functional Servicing Report industrial | SWMF | west of Shaver | Quantity | determined | 21,600 | | 1.80 | 3.00 3.00 | 5,595,332 | 1,124,000 | 6,719,332 | 0 | - | - | 6,719,332 | - | - |
| The Conference of the Confer | ANC | 11+ | С | 27 | facility | | 19 | Functional Servicing Report industrial | SWMF | west of Shaver | Quantity | final drainage area to be determined | 5,185 | | 1.14 | 1.14 | 2,126,226 | 414,763 | 2,540,990 | 0 | - | - | 2,540,990 | - | |
| March 10 10 10 10 10 10 10 1 | BMH | 11+ | С | 9 | Residential Development | | 25 | | SWMF | | Quantity | Storage Capacity = | 6,667 | | 1.50 | 1.50 | 2,419,603 | 526,660 | 2,946,263 | 0 | - | - | 2,946,263 | - | |
| Part 11 11 12 13 | BMH | 11+ | С | 11 | Residential Development | | 36 | | SWMF | | Quantity | Storage Capacity = | 9,600 | | 2.16 | 2.16 | 3,484,229 | 643,990 | 4,128,219 | 0 | - | - | 4,128,219 | - | |
| 17 | BMH | 11+ | С | 12 | Residential Development | | 20 | | SWMF | | Quantity | Storage Capacity = | 5,333 | | 1.20 | 1.20 | 1,935,683 | 426,656 | 2,362,339 | 0 | - | - | 2,362,339 | - | |
| Part 1-1 C C C C C C C C C | BMH | 11+ | С | 13 | Residential Development | | 26 | | SWMF | | | Storage Capacity = | 6,933 | | 1.56 | 1.56 | 2,516,387 | 537,326 | 3,053,714 | 0 | - | - | 3,053,714 | - | |
| Section Sect | BMH | 11+ | С | 15 | Residential Development | | 40 | | dry pond | | Quantity | Storage Capacity = | 10,666 | 1.60 | | 1.60 | 2,580,910 | 686,656 | 3,267,566 | 0 | - | - | 3,267,566 | - | |
| No. 10 No. 10 No. 10 No. N | BMH | 11+ | С | 16 | | | 15 | | dry pond | | Quantity | Storage Capacity = | 4,000 | 0.60 | | 0.60 | 967,841 | 319,992 | 1,287,833 | 0 | - | - | 1,287,833 | - | |
| Mail 11 C 11 General Assaured Burners Marcol 1007 | BMH | 11+ | R | 53 | Business Park | Oct. 1991 | 11.65 | Quality control facility | | Hwy 6 & Dickenson Rd W | Quality | | | | | 0.00 | - | 422,000 | 422,000 | 0 | - | - | 422,000 | - | |
| Mail 11 C C 13 General Section Statement Section Section | нам | 11+ | С | 11 | Glanbrook Industrial Business | Mar-09 | 108.7 | | SWMF | HC3 | | Flood Control Volume = | 59,291 | | 6.52 | 4.10 4.10 | 6,613,582 | 2,631,658 | 9,245,240 | 0 | - | - | 9,245,240 | 651,896 | (651,896 |
| Horizon Company Horizon Company Horizon Company Horizon Horizon Company Horizon Horizon Schellenberg Horizon Horizon Schellenberg Horizon | нам | 11+ | С | 13 | Glanbrook Industrial Business | Mar-09 | 36 | | SWMF | TM3 | | Flood Control Volume = | 19,357 | | 2.16 | 1.85 1.85 | 2,984,177 | 1,034,270 | 4,018,448 | 0 | - | - | 4,018,448 | - | - |
| No. | нам | 11+ | С | 14 | Glanbrook Industrial Business | Mar-09 | 46.3 | | SWMF | HC6 | | Flood Control Volume = | 23,889 | | 2.78 | 2.09 2.09 | 3,371,314 | 1,215,554 | 4,586,868 | 0 | - | - | 4,586,868 | - | - |
| | нам | 11+ | С | 15 | Hannon Creek SWS – North Glanbrook Industrial Business | Mar-09 | 71.3 | | SWMF | HC7 | | Flood Control Volume = | 40,430 | | 4.28 | 3.11 3.11 | 5,016,644 | 1,877,214 | 6,893,858 | 0 | | - | 6,893,858 | - | - |
| Main 11 C C T Starton Control Main Blanch Blan | нам | 11+ | С | 16 | Hannon Creek SWS – North Glanbrook Industrial Business | Mar-09 | 21.6 | | SWMF | HC8 | | Flood Control Volume = | 18,647 | | 1.30 | 2.00 2.00 | 3,226,138 | 1,005,874 | 4,232,012 | 0 | - | - | 4,232,012 | - | - |
| Horse Teach No. Horse Care No. Horse Marco 12 Discover a Marco 13 Discover a Marco 13 Discover a Marco 14 Discover a Marco 14 Discover a Marco 15 Discover a Marco | нам | 11+ | С | 17 | Hannon Creek SWS - North Glanbrook Industrial Business | Mar-09 | 14.1 | | SWMF | HC9 | | Flood Control Volume = | 12,503 | | 0.85 | 1.54 1.54 | 2,484,126 | 760,136 | 3,244,262 | 0 | - | - | 3,244,262 | - | - |
| Name 11+ C 20 Control Name | нам | 11+ | С | 18 | Hannon Creek SWS - North Glanbrook Industrial Business | Mar-09 | 19.2 | | SWMF | HC12 | | Flood Control Volume = | 12,775 | | 1.15 | 1.60 1.60 | 2,580,910 | 770,995 | 3,351,905 | 0 | - | - | 3,351,905 | - | - |
| HAM 11+ C 21 Hammon Cheek SMYS - North Garboroth Industrial Business Mar-09 16.6 Develop a Master Drainage Plan for the Hammon SWMF TM1a Quarty Pool Control Volume = 7.586 1.00 0.75 0.75 1.209,802 563,422 1.773,224 0 - 1.773,224 - 1.77 | нам | 11+ | С | 20 | Hannon Creek SWS - North Glanbrook Industrial Business | Mar-09 | 40.7 | | SWMF | HC14 | | Flood Control Volume = | 30,739 | | 2.44 | 2.72 2.72 | 4,387,547 | 1,489,542 | 5,877,090 | 0 | - | - | 5,877,090 | - | - |
| HAM 11+ C 22 Charbook Indicated Bulletins Mar-09 16.6 Develop a Master Divinage Plan for the Namon Crees Submitted Bulletins Production of | нам | 11+ | С | 21 | Hannon Creek SWS - North Glanbrook Industrial Business | Mar-09 | 16.6 | | SWMF | TM1a | | Flood Control Volume = | 7,586 | | 1.00 | 0.75 0.75 | 1,209,802 | 563,422 | 1,773,224 | 0 | - | - | 1,773,224 | - | - |
| HAM 11+ C 2 2 Harmon Cheek SWS - North Burkers (Care Control Volume Program of Line State Principle Principle North Principle North Principle Principle North | нам | 11+ | С | 22 | Hannon Creek SWS - North Glanbrook Industrial Business | Mar-09 | 16.6 | | SWMF | TM1b | | Flood Control Volume = | 7,586 | | 1.00 | 0.75 0.75 | 1,209,802 | 563,422 | 1,773,224 | 0 | - | - | 1,773,224 | - | |
| SCL 11+ C 10 Summagement Strategy, City of Unangement Trackey, City of Unangement Trac | нам | 11+ | С | 23 | Hannon Creek SWS - North Glanbrook Industrial Business | Mar-09 | 35.5 | | SWMF | TM2 | | Flood Control Volume = | 18,508 | | 2.13 | 1.78 1.78 | 2,871,262 | 1,000,317 | 3,871,580 | 0 | - | - | 3,871,580 | - | - |
| SCL 11+ C 17 SCUES Submerstreet Solid Soli | SCL | 11+ | С | 10 | Stormwater Quality Management Strategy. City of | 2004 | 63 | | Proposed SWMFQuality | | | Wetland | 17,897 | | 3.78 | 3.78 | 6,097,400 | 975,863 | 7,073,263 | 0 | - | - | 7,073,263 | - | - |
| SCL 6-5 C 23 SCLES Statementhed Study (Pighass 314) May 1-1 14.5 Sturmwater management strategy SVMF Fity Creat west SCLEE Quarity will point 41-2 11,013 0.87 0.87 1,403,370 70,520 2,103,890 0 2,103,890 2,103,890 2,103,890 0 - | SCL | 11+ | С | 17 | SCUBE Subwatershed Study | May-13 | 11.8 | Stormwater management strategy | SWMF | Fifty Creek east SCUBE | | wet pond #12-1 | 8,969 | | 0.71 | 0.71 | 1,142,053 | 618,760 | 1,760,813 | 0 | - | - | 1,760,813 | - | - |
| Cubic 11+ R 82 Glove Industrial St. Cubic | _ | | С | 23 | SCUBE Subwatershed Study | - | | | SWMF | | E Quantity / | - | | | | | | | | 0 | - | - | | - | - |
| SCM 0-5 C 19 Fuer Permet industrial Purk 14 westerly portion 14 westerly portion 14 westerly portion 14 westerly portion 15 0.000 | SCL | 11+ | R | 82 | | Jan. 1989 | 2.05 | Flood Control | Future Retrofit | | | | | | | 0.00 | - | | | 0 | - | 337,600 | | - | - |
| WAT 11+ C 12 Clappino Industrial Park 60 Coastly only SVMMF to be determined Coastly Strange Capacity | | | С | 19 | | | | | | | | | 10,080 | | 0.84 | | 1,354,978 | | | 0 | - | | - | - | - |
| U 11+ C UVR Unidentified provisional line for unidentified non-nes SWM works open Outsity Total Non-Residential 392,538 74,905,471 33,095,706 108,001,177 0.00 0 2,693,378 105,307,800 651,896 | WAT | 11+ | С | 12 | | | 60 | Quality only | SWMF | to be determined | Quality / | Storage Capacity = | 21,100 | | 3.60 | 3.60 | 6,714,399 | 1,103,984 | 7,818,383 | 0 | - | - | 7,818,383 | - | |
| Total Non-Residential | WAT | 11+ | R | 35 | Tech Park | Feb. 1994 | 15.66 | | Future Retrofit | Hwy 6 & Hwy 5 | | | | | | 0.00 | - | 422,000 | 422,000 | 0 | - | 337,600 | 84,400 | - | |
| Total Non-Residential 74,905,471 33,095,706 108,001,177 0.00 0 2,693,378 105,307,800 65,896 | U | 11+ | С | UNR | Unidentified | | | | | open | Quantity / Quality | | | | | 0.00 | - | 10,000,000 | 10,000,000 | 0 | - | - | 10,000,000 | - | |
| | T-1-1 N | | | | 1 | | | | | | | | 000 500 | | | | 74 005 474 | 20 205 700 | 400 004 477 | | | 0.000.07 | 405 007 000 | - | (054.00 |
| | Grand Total | | ıaı | | | | | | | | $\overline{}$ | | 1,075,517 | | | TOTAL = | | | 108,001,177 288.004.002 | | | | | | (651,89 172,406,52 |

ANC: Ancaster
BMH: Binbrook / Mount Hope
HAM: Hamilton Mountain
SCL: Stoney Creek - Lower
SCM: Stoney Creek - Mountain
WAT: Waterdown

APPENDIX G-1: CATEGORY D1 - STORM SEWERS - OVERSIZING - DRAFT APPROVED SUBDIVISIONS & SECONDARY PLANS

PART ONE - SUBDIVISIONS

Subdivision and Road-Related Oversizing (where draft plans indicate storm sewers over 1200 mm diameter)

| | | Application | Pipe | Oversize | Number | Oversize | Total Over- | |
|-------------------------|---------------|--|--------|----------------|--------|-------------|----------------|------------|
| ГҮРЕ | Pipe Size | Number | Length | Pipe Cost | MH | MH Cost | 0-5 Years | 5-10 Years |
| Storm Sewer | 1350 mm Diam. | 25T201305 - Sheldon's Gate | 200 | \$82,982.56 | 3 | \$0.00 | \$82,982.56 | |
| | | 25T201801 - 78 and 80 Marion Str | 200 | \$82,982.56 | 0 | \$0.00 | \$82,982.56 | |
| | | 25T-88031 - Sandrina Gardens | 135 | \$56,013.23 | 0 | \$0.00 | \$56,013.23 | |
| | | 25T-95002 - Miles Estates | 283 | \$117,420.32 | 9 | \$0.00 | \$117,420.32 | |
| | | | | | | | | |
| | 1500 mm Diam. | 25T200723 - Mountaingate | 200 | \$184,258.40 | 4 | \$0.00 | \$184,258.40 | |
| | | 25T201003 - Parkside Hills Phase 2 | 300 | \$276,387.60 | 3 | \$0.00 | \$276,387.60 | |
| | | 25T201209 1125 West Fifth | 200 | \$184,258.40 | 3 | \$0.00 | \$184,258.40 | |
| | | 25T201301 - Red Hill - Phase 2 | 200 | \$184,258.40 | 3 | \$0.00 | \$184,258.40 | |
| | | 25T201503 - 165 Upper Centennial Parkway | 200 | \$184,258.40 | 3 | \$0.00 | \$184,258.40 | |
| | | 25T201611 - Nash Neighbourhood - Phase 2 | 300 | \$276,387.60 | 3 | \$0.00 | \$276,387.60 | |
| | | 25T201612 - Nash Neighbourhood - Phase 3 | 300 | \$276,387.60 | 3 | \$0.00 | \$276,387.60 | |
| | | 25T201706 - Jackson Heights Extension | 300 | \$276,387.60 | 3 | \$0.00 | \$276,387.60 | |
| | | 25T-88031 - Sandrina Gardens | 135 | \$124,374.42 | 0 | \$0.00 | \$124,374.42 | |
| | | 25T-95002 - Miles Estates | 152 | \$140,036.38 | 4 | \$0.00 | \$140,036.38 | |
| | | | | | | | | |
| | 1650 mm Diam. | 25T00610 - Caterini | 200 | \$294,283.20 | 3 | \$18,440.42 | \$312,723.62 | |
| | | 25T200723 - Mountaingate | 200 | \$294,283.20 | 3 | \$18,440.42 | \$312,723.62 | |
| | | 25T200908 - Paletta - Felker Nhd | 200 | \$294,283.20 | 0 | | \$294,283.20 | |
| | | 25T-88031 - Sandrina Gardens | 80 | \$117,713.28 | 2 | \$12,293.61 | \$130,006.89 | |
| | | 25T - 3105 Fletcher Road | 400 | \$588,566.40 | 5 | \$30,734.04 | \$619,300.44 | |
| | | | | | | | | |
| | 1800 mm Diam. | | | | | | | |
| | | | | | | | | |
| | 2100 mm Diam. | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Subtotals | | | 4185 | \$4,035,522.75 | 54 | \$79,908.49 | | |
| otal by Period | | | | | | | \$4,115,431.24 | \$0 |
| | | | | | | | | |
| Praft Approved Subdivis | ion Sub-total | | | | | | | \$4,11 |

PART TWO - SECONDARY PLANS

Anticipated City Cost Sharing in Secondary Plans Not Identified Under Subdivision Draft Plans To be Funded From Development Charges

Secondary Plan Calculations

Add Overhead = 32.00%

Adjustment 2013 to 2018 1.0965

Binbrook
Westerly extention of Windwood Drive to Fletcher Road

| | Length in (m) | | | City Contribution Incl | | | |
|---------------------------------|---------------|------|-------------------|------------------------|--------------|---------------|-----------|
| Description | or Quantity | Rate | City Contribution | Overhead | | | |
| Storm Sewer Over-Sizing 1650 mm | 300 | 1110 | 333000 43 | 9560 | - | 219,780.00 \$ | 219,780.0 |
| Storm Sewer Over-Sizing 1800 mm | 400 | 1630 | 652000 86 | 0640 | \$ | 430,320.00 \$ | 430,320.0 |
| | | | | 00200 | | | |

Fruitland - Winona
Collector Roads D, E, and F

Length in (m) City Contribution Incl or Quantity Rate City Contribution Overhead Description

5-10 Years

0-5 Years

| Storm Sewer Over-Sizing 1500 mm | 400 | 695 | 278000 | 366960 | e | 183,480.00 \$ | 183,480.00 |
|--|---------------|------|-------------------|------------------------|----|---------------|------------|
| Storm Sewer Over-Sizing 1550 mm | 1000 | 1110 | 1110000 | 1465200 | ž | 732,600.00 \$ | 732,600.00 |
| | | | | | • | | |
| Storm Sewer Over-Sizing 1800 mm | 300 | 1630 | 489000 | 645480 | \$ | 322,740.00 \$ | 322,740.00 |
| | | | | 2477640 | | | |
| <u>Jerome</u> | | | | | | | |
| Storm sewer servicing into storm water managemen | it pond H-31 | | | | | | |
| | Length in (m) | | | City Contribution Incl | | | |
| Description | or Quantity | Rate | City Contribution | Overhead | | | |
| Storm Sewer Over-Sizing 1500 mm | 200 | 695 | 139000 | 183480 | \$ | 91,740.00 \$ | 91,740.00 |
| | | | | | | | |
| <u>Mewburn</u> | | | | | | | |
| 1500 Diam. To Pond HAM#24 | | | | | | | |
| | Length in (m) | | | City Contribution Incl | | | |
| Description | or Quantity | Rate | City Contribution | Overhead | | | |
| Storm Sewer Over-Sizing 1500 mm | 350 | 695 | 243250 | 321090 | \$ | 160,545.00 \$ | 160,545.00 |
| | | | | | | | |
| Nash Neighbourhood | | | | | | | |
| North/South, East/West Street abutting Neighbourho | ood Park | | | | | | |
| | Length in (m) | | | City Contribution Incl | | | |
| Description | or Quantity | Rate | City Contribution | Overhead | | | |
| Storm Sewer Over-Sizing 1650 mm | 150 | 1110 | 166500 | 219780 | \$ | 109,890.00 \$ | 109,890.00 |
| Storm Sewer Over-Sizing 1800 mm | 200 | 1630 | 326000 | 430320 | č | 215,160.00 \$ | 215,160.00 |
| Storm Sewer Sver Sizing 1800 mm | 200 | 1000 | 020000 | 700020 | ų. | Σ10,100.00 ψ | 210,100.00 |

Sheldon
North/South mid-block collector road oppposite Matthew Street to Stone Church Road
Length in (m)

| | Length in (m) | | | City Contrib | ution Incl | | |
|---------------------------------|--------------------|------|---------------|--------------|------------|---------------------|----------------|
| Description | or Quantity | Rate | City Contribu | tion Overh | ead | | |
| Storm Sewer Over-Sizing 1350 mm | 300 | 313 | 93900 | 123948 | | \$ 61,974.00 \$ | 61,974.00 |
| Storm Sewer Over-Sizing 1650 mm | 350 | 1110 | 388500 | 512820 | | \$ 256,410.00 \$ | 256,410.00 |
| | | | | 636768 | | | |
| | | | | | | | |
| Total by Period | | | | | | \$2,784,639.00 | \$2,784,639.00 |
| | | | | | • | | |
| Secondary Plan Anticipated Ove | ersizing Sub-total | | | | | | \$5,569,278.00 |

APPENDIX G-1: CATEGORY D2 -STORM SEWERS - NEIGHBOURHOD STORM OUTLETS (AS PER APPROVED STUDIES

| Description | | City Capital Cost Estimate | City Contribution | | |
|---|--------------|----------------------------|-------------------|-----------------------|-----------------|
| Nebo Rd: Twenty to 400 m s of Rymal (NON-RES) | 1 | 180000 | 180000 | \$ 180,000.00 | |
| Parkside Dr storm sewer project (NON-RES) | 1 | 500000 | 500000 | \$ 500,000.00 | |
| Roxborough Nhd Storm Outlet (RES) | 1 | 950000 | 950000 | \$ 950,000.00 | |
| Airport Road Marion to Mountaingate (RES/NON-RES) | 1 | 1368000 | 1368000 | \$ 1,368,000.00 | |
| Swayze Nhd Storm Outlet (RES) | 1 | 2600000 | 2600000 | \$ 2,600,000.00 | |
| 3 Unidentified Projects in Combined Watershed (RES) | 3 | 1000000 | 3000000 | \$ 2,000,000.00 \$ | 1,000,000.00 |
| Total by Period | | | | \$7,598,000.00 | \$1,000,000.00 |
| | | | | | |
| Neighbourhood Storm Outlet Sub-total | | | | | \$8,598,000.00 |
| | | | | | |
| STORM SEWERS - Oversizing and Out | lets - Total | | | | \$18,282,709.24 |

| Item Number | Road Project Description | From | То | Improvem | Length km | Benefit to Growth | Number of Culverts/Bridges | Replacement /Widening/ | Identified in Category | Small @\$84,300 | Meduim @\$168,600 | Large @\$337,200 | Cost (2019\$) |
|----------------|--------------------------|-------------------------|--------------------------|----------|--------------|----------------------|-------------------------------|---------------------------|---------------------------|--------------------|----------------------|---------------------|------------------|
| | | | | | | % (Roads) | > 1m ² end area | New | "A" | 1-4m ² | 4-8m ² | >8m² | |
| | AEGD Projects | | | | | | | | | | | | |
| 1 | Airport Road | Upper James Street | Glancaster Road | 2r-4u | 2.84 | 60 | 3 | Widening | | 3 | | | \$252,900 |
| 2 | Airport Road | Butter Road | Glancaster Road | 2r-4u | 0.86 | 85 | 0 | Widening | | 0 | | | \$0 |
| 3 | Airport Service Road | Glancaster | Airport Road | 4u | 1.93 | 100 | 0 | New | | 0 | | | \$0 |
| 4 | Book Road | Fiddler's Green Road | Highway 6 | 2r-4u | 0.99 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 5 | Book Road | Highway 6 | Southcote Road | 2r-4u | 1.11 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 6 | Book Road | Highway 6 | Southcote Road | 4u-6u | 1.11 | 85 | 0 | Widening | | 0 | | | \$0 |
| 7 | Book Road E | Collector 2W | Glancaster Road | 2r-2u | 0.59 | 85 | 0 | Widening | | 0 | | | \$0 |
| 8 | Butter Road | Fiddler's Green Road | Glancaster Road | 2r-4u | 3.39 | 85 | 0 | Widening | | 0 | | | \$0 |
| 9 | Carluke Road East | Fiddler's Green Road | Glancaster Road | 2r-4u | 1.05 | 85 | 0 | Widening | | 0 | | | \$0 |
| 10 | Collector Road 10N | Garner Road | Smith Road | 2u | 0.83 | 100 | 2 | New (Cat A) | 2 | | | | \$0 |
| 11 | Collector Road 10N | Smith Road | Collector Road 2W | 2u | 0.65 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 12 | Collector Road 1E | Collector 6N | Dickenson Road | 2u | 0.76 | 100 | 5 | New (Cat A) | 5 | | | | \$0 |
| 13 | Collector Road 1N | Southcote Road | Collector Road 2E | 2u | 2.06 | 100 | 5 | New (Cat A) | 5 | | | | \$0 |
| 14 | Collector Road 2E | Collector Road 1N | Airport Boundary | 2u | 0.47 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 15 | Collector Road 2W | Garner Road | Collector Road 10N | 2u | 0.27 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 16 | Collector Road 2W | Collector Road 10N | Dickenson Road extension | 2u | 1.35 | 100 | 2 | New (Cat A) | 2 | | | | \$0 |
| 17 | Collector Road 6E | Collector 6N | Dickenson Road | 4u | 0.71 | 100 | 2 | New (Cat A) | 2 | | | | \$0 |
| 18 | Collector Road 6N | Glancaster Road | Collector Road 6E | 4u | 1.93 | 100 | 3 | New (Cat A) | 3 | | | | \$0 |
| 19 | Collector Road 6N | Collector Road 6E | Collecror Road 7E | 4u | 2.56 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 20 | Collector Road 7E | Dickenson Road | Collector 6N | 2u | 0.49 | 100 | 2 | New (Cat A) | 2 | | | | \$0 |
| 21 | Collector Road 7E | Collector 6N | Upper James Street | 4u | 0.58 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 22 | Collector Road 7N | Book Road | Southcote Road | 2u | 0.91 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 23 | Collector Road 7N | Southcote Road | Collector Road 2W | 2u | 0.89 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 24 | Collector Road 12S | Collector 4E | Collector 5E | 2u | 0.35 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 25 | Collector Road 12S | Collector 3E | Collector 4E | 2u | 0.35 | 100 | 2 | New (Cat A) | 2 | | | | \$0 |
| 26 | Collector Road 1S | Fiddler's Green | Collector Road | 2u | 0.41 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 27 | Collector Road 2N | Collector Road 7N | Smith Road | 2u | 0.64 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 28 | Collector Road 2S | Fiddler's Green | Collector Road | 2u | 0.41 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 29 | Collector Road 3E | Collector 12S | White Church | 2u | 0.2 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 30 | Collector Road 3S | Collector 6W | Southcote Road | 2u | 0.52 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 31 | Collector Road 4E | Collector 12S | White Church | 2u | 0.18 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 32 | Collector Road 5E | Collector 12S | Road White Church | 2u | 0.18 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 33 | Collector Road 5N | Fiddler's Green | Road Collector Road | 2u | 0.84 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 34 | Collector Road 6S | Road Glancaster Road | Airport Road | 2u | 0.92 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |
| 35 | Collector Road 6S | (north) Airport Road | Glancaster Road | 2u | 0.4 | 100 | 1 | New (Cat A) | 1 | | | | \$0 |
| 36 | Collector Road 6W | Collector 3S | (south) Butter Road | 2u | 0.52 | 100 | 0 | New (Cat A) | 0 | | | | \$0 |

| Item Number | Road Project Description | From | То | Improvem | Length km | Benefit to Growth | | Number of Culverts/Bridges | Replacement /Widening/ | Identified in Category | Small @\$84,300 | Meduim @\$168,600 | Large @\$337,200 | Cost (2019\$) |
|----------------|-----------------------------|-------------------------------|--------------------------|----------|--------------|----------------------|----------|-------------------------------|------------------------|---------------------------|--------------------|----------------------|---------------------|------------------|
| | | Fiddler's Green | | | | % (Roads) | | > 1m ² end area | New | "A" | 1-4m ² | 4-8m ² | >8m² | |
| 37 | Collector Road 7S | Road | Collector 9W | 2u | 0.4 | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| 38 | Collector Road 8S | Fiddler's Green Road | Collector 9W | 2u | 0.41 | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| 39 | Collector Road 8W | Garner Road | Collector 5N | 2u | 1.36 | 100 | | 0 | New (Cat A) | 0 | | | | \$0 |
| 40 | Collector Road 9W | Garner Road | Carluke Road | 2u | 5.9 | 100 | | 4 | New (Cat A) | 4 | | | | \$0 |
| 41 | Dickenson Road | Glancaster Road | Upper James Street | 2r-4u | 2.9 | 85 | | 8 | Widening | | 7 | | 1 | \$927,300 |
| 42 | Dickenson Road extension | Southcote Road | Smith Road | 4u | 0.42 | 100 | | 1 | New | | 1 | | | \$84,300 |
| 43 | Dickenson Road | Southcote Road | Smith Road | 2r-4u | 0.42 | 100 | | 0 | Widening | | | | | \$0 |
| 44 | Dickenson Road extension | Smith Road | Glancaster Road | 4u | 0.8 | 100 | | 0 | New | | | | | \$0 |
| 45 | Dickenson Road East | Upper James Street | w/o Nebo Road | 2r-2u | 4.6 | 60 | | 0 | Widening | | 0 | | | \$0 |
| 46 | Garner Road | w/o Southcote | e/o Glancaster | 2r-5u | 2.98 | 85 | | 2 | Widening | | 2 | | | \$168,600 |
| 47 | Garner Road | e/o Fiddler's Green Road | w/o Southcote Road | 2r-4u | 2.02 | 85 | | 1 | Widening | | 1 | | | \$84,300 |
| 48 | Garth Street extension | Twenty Road | Dickenson Road | 5u | 1.5 | 100 | | 2 | New | | 2 | | | \$168,600 |
| 49 | Garth Street extension | Dickenson Road | Collector 2E | 5u | 0.62 | 100 | | 1 | New | | 1 | | | \$84,300 |
| 50 | Glancaster Road | Collector 1N | Airport Boundary | 2r-2u | 0.49 | 85 | | 0 | Widening | | 0 | | | \$0 |
| 51 | Glancaster Road | Dickenson Road extension | Collector 1N | 2r-4u | 0.37 | 85 | | 0 | Widening | | 0 | | | \$0 |
| 52 | Glancaster Road | Garner Road | Dickenson Road | 2r-4u | 2.46 | 85 | | 4 | Widening | | 4 | | | \$337,200 |
| 53 | Smith Road | Dickenson Road extension | Collector 1N | 2r-4u | 0.65 | 85 | | 0 | Widening | | | | | \$0 |
| 54 | Smith Road | Garner Road | Dickenson Road extension | 2u | 1.57 | 100 | | 1 | New | | 1 | | | \$84,300 |
| 55 | Smith Road | Collector 1N | Airport Boundary | 2r-2u | 0.35 | 100 | | 0 | Widening | | | | | \$0 |
| 56 | Smith Road extension | Hydro corridor north crossing | | 2u | 0.26 | 100 | | 0 | New | | | | | \$0 |
| 57 | Southcote Road | Garner | Twenty Road extension | 2r-4u | 0.97 | 85 | | 0 | Widening | | | | | \$0 |
| 58 | Southcote Road | Twenty Road extension | Book Road | 2r-4u | 0.97 | 85 | | 0 | Widening | | | | | \$0 |
| 59 | Twenty Road | Glancaster Road | Aldercrest Avenue | 2r-4u | 3.08 | 85 | | 9 | Widening | | 9 | | | \$758,700 |
| 60 | Twenty Road extension | Southcote Road | Glancaster Road | 4u | 1.86 | 100 | | 2 | New | | 2 | | | \$168,600 |
| 61 | Fiddler's Green Road | Garner Road | Carluke Road | 2r-4u | 6.07 | 85 | | 7 | Widening | | 7 | | | \$590,100 |
| 62 | Glancaster Road | Butter Road | White Church | 2r-4u | 2.31 | 85 | | 2 | Widening | | 2 | | | \$168,600 |
| 63 | Southcote Road | Book Road | Collector 1N | 2r-4u | 0.65 | 85 | | 0 | Widening | | 0 | | | \$0 |
| 64 | Southcote Road | Airport Boundary | Butter Road | 2u | 0.81 | 100 | | 0 | Replacement | | 0 | | | \$0 |
| 65 | Upper James Street | Ardelea Avenue | Homestead Drive | 4u-6u | 4.69 | 85 | | 6 | Widening | | 5 | 1 | | \$590.100 |
| 66 | White Church Road | Glancaster Road | Highway 6 | 2r-4u | 2.31 | 85 | | 1 | Widening | | 1 | | | \$84,300 |
| 67 | Upper James Street | Malton | Highway 6 | 4r- | 7 | 85 | | 0 | Widening | | | | | \$0 |
| <u> </u> | SMATS Projects | | | 5u NBR | | | | | aoriing | | | | | 4 0 |
| 68 | West 5th Street | Rymal Road | Stone Church Road | 2r-3u | 1 | 60 | | 0 | New | | | | | \$0 |
| 69 | Garth Street | Rymal Road | Stone Church Road | 2r-4u | 1 | 85 | \dashv | 0 | Widening | | | | | \$0 |
| 70 | Rymal Road | Glancaster Road | Garth Street | 2r-5u | 1.3 | 85 | | 1 | Widening | | | | 1 | \$337,200 |
| 70 | Rymal Road | Fletcher Road | Upper Centenial | 2r-5u | 2.49 | 85 | | 1 | Replacement | | | | 1 | \$337,200 |
| 72 | Rymal Road | Upper Wentworth | West of Dartnall | 3r-3u | 3.29 | 85 | + | 0 | Widening | | | | ' | \$337,200 \$0 |

| Item Number | Road Project Description | From | То | Improvem | Length km | Benefit to Growth | | Number of Culverts/Bridges | Replacement /Widening/ | Identified in Category | Small @\$84,300 | Meduim @\$168,600 | Large @\$337,200 | Cost (2019\$) |
|----------------|--|--------------------------------------|-------------------------------|-----------------|--------------|----------------------|---|-------------------------------|---------------------------|------------------------|--------------------|----------------------|---------------------|------------------|
| | | | | | | % (Roads) | | > 1m ² end area | New | "A" | 1-4m ² | 4-8m ² | >8m² | |
| 73 | Rymal Road | Upper James Street | Upper Wellington Street | 2r-5u | 0.87 | 85 | | 0 | Widening | | | | | \$0 |
| 74 | Rymal Road | Upper Wellington Street | Upper Wentworth Street | 2r-5u | 0.86 | 85 | | 0 | Widening | | | | | \$0 |
| 75 | Upper Wellington Street | Rymal Road | Stone Church Road | 2u-4u | 1 | 60 | | 0 | Widening | | | | | \$0 |
| | SCUBE Projects | | | | | | | | | | | | | |
| 76 | Arvin Avenue | McNeilly | Lewis Road | 2u | 0.8 | 100 | | 0 | New | | | | | \$0 |
| 77 | Arvin Avenue | Jones Road | existing east end | 2u | 0.5 | 100 | | 0 | New | | | | | \$0 |
| 78 | Arvin Avenue | McNeilly | existing west end | 2u | 0.4 | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| 79 | SCUBE Central (east-west collector) | McNeilly Road | eastern boundary collector | 2u | 1.47 | 100 | | 0 | New | | | | | \$0 |
| 80 | collector) SCUBE Central (north- | Highway 8 | Arvin Road extension | 2u | 0.48 | 100 | | 0 | New | | | | | \$0 |
| 81 | south collector) SCUBE Central (north- | Barton Street | Highway 8 | 2u | 0.66 | 100 | | 0 | New | | | | | \$0 |
| 82 | south collector) SCUBE West (Block 1) | Fruitland Road | north-south collector | 2u | 1.36 | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| 83 | (cast-west SCUBE West (Block 1) | Barton Street | Highway 8 | 2u | 0.76 | 100 | | 0 | New | | | | | \$0 |
| | Ancaster Industrial Park | | | | | | | | | | | | | |
| 84 | Ancaster New E/W Road | Tradewind/ | Trinity Road | 2u | 0.81 | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| 85 | (Trinity@Wilson Garner Road / Wilson St / | Cormorant Fiddler's Green Road | Hwy 2 | 2r-4r | 3.5 | 85 | | 0 | Widening | | | | | \$0 |
| 86 | Hwy 2 Golf Links Rd intersection improvements (Martindale. | . NOAU | | Int | | 85 | | 0 | Widening | | | | | \$0 |
| 87 | Golf Links Road | McNiven Road | Kitty Murray Lane | 2r-3u | 0.8 | 85 | | 0 | Widening | | | | | \$0 |
| 88 | Jerseyville Road | Shaver Road | Wilson Street | 2r-3u | 3.10 | 60 | | 0 | Widening | | | | | \$0 |
| 89 | Springbrook Avenue | Regan Drive | Garner Road | 2r-2u | 0.69 | 85 | | 0 | Widening | | | | | \$0 |
| 90 | Trinity Road | 1km S. of Wilson | Hwy 403 | 2r-4u | 2.2 | 85 | | 2 | Widening | | | | 2 | \$674,400 |
| 91 | Shaver Road | Trustwood | Garner Road | 2r-2u | 1.00 | 85 | | 0 | Widening | | | | | \$0 |
| 92 | Southcote Road | Calder Street | Garner Road | 2r-3u | 1.26 | 60 | | 0 | Widening | | | | | \$0 |
| 93 | McNiven Road | Rousseaux Street | Golf Links Road | 2r-3u | 0.63 | 20 | | 0 | Widening | | | | | \$0 |
| 94 | Mohawk Road | McNiven Road | Highway 403 | 2r-3u | 1.3 | 60 | | 0 | Widening | | | | | \$0 |
| 95 | Stone Church Road | Harrogate Drive | Stonehenge Drive | 2r-4u | 0.34 | 85 | | 0 | Widening | | | | | \$0 |
| | RHBPS Projects | | | | | | | | J | | | | | |
| 96 | Dartnall Road Extension | Twenty Road | Dickenson Road | 4u | 1.65 | 100 | | 2 | New (Cat A) | 2 | | | | \$0 |
| 97 | Dickenson Road | w/o Nebo | w/o Glover | 2r-2u | 1.1 | 60 | | 3 | Widening | | 3 | | | \$252,900 |
| 98 | Nebo Road | Rymal Road | Twenty Road | 2r-2u | 1.3 | 85 | | 1 | Replacement | | 1 | | | \$84,300 |
| 99 | Nebo Road | 800m South of Twenty Road | Dickenson Road | 2r-2u | 0.6 | 85 | | | Widening | | | | | \$0 |
| 100 | Regional Road 56 | Rymal Road | ROPA 9 Boundary | 2r-5u | 1.2 | 85 | | 3 | Widening | | 3 | | | \$252,900 |
| 101 | Regional Road 56 | Cemetery Road | South Limits of ROPA 9 | various/E SR | 0 | 85 | | 0 | Widening | | - | | | \$0 |
| 102 | Twenty Road extension | Glover Road | Upper Red Hill Valley Parkway | 3u | 0.6 | 100 | T | 2 | New | | 2 | | | \$168,600 |
| 103 | Glover Road | Twenty Road | Rymal Road | 2r-2u | 2.6 | 85 | | 0 | Widening | | | | | \$0 |
| 104 | Upper Red Hill Valley Parkway (previously | Rymal Road | Dartnall Road extension | 5u | 2.5 | 100 | T | 1 | New | | 1 | | | \$84,300 |
| | Waterdown Projects | | IZVIZITOIOU | | | | | · | | | | | | +, |
| 105 | Burke Street | Dundas Street | Mountain Brow | 4u | 0.85 | 95 | | 0 | New | | | | | \$0 |

| Item Number | Road Project Description | From | То | Improvem | Length km | Benefit to Growth | Number of Culverts/Bridges | Replacement /Widening/ | Identified in Category | Small @\$84,300 | Meduim @\$168,600 | Large @\$337,200 | Cost (2019\$) |
|----------------|--|----------------------------------|-------------------------------|-------------|--------------|----------------------|-------------------------------|------------------------|------------------------|--------------------|----------------------|---------------------|---|
| | | | | | | % (Roads) | > 1m ² end area | New | "A" | 1-4m ² | 4-8m ² | >8m² | |
| 106 | Parkside Drive | Highway 6 | Main Street | 2r-4u | 2.92 | 60 | 2 | New Cat A | 2 | | | | \$0 |
| 107 | Parkside Drive East-West Road Corridor | Main Street | Churchill (500 m east) | 2r-4u | 0.61.52 | 60 | 0 | Widening | | | | | \$0 |
| 108 | (Waterdown Ry-Pass) Waterdown Road | Kerns Road | Highway 6 | 4u | 6.34 | 95 | 8 | New Cat A | 8 | | | | \$0 |
| 109 | (Burlington portion) | Mountain Brow Road | Craven Avenue | 2r-4u | 1.9 | 100 | 0 | Widening | | | | | \$0 |
| 110 | Mountain Brow Road | Waterdown Road | New north-south link Hamilton | 2r-4u | 0.91 | 85 | 2 | Widening | | | 2 | | \$337,200 |
| 111 | Dundas Street | New north-south link | Hamilton Boundary | 4u-6u | 0.87 | 85 | 0 | New (Cat A) | | | | | \$0 |
| 112 | Centre Road | Northlawn | Parkside Drive | 2r-3u | 0.4 | 60 | 0 | New (Cat A) | | | | | \$0 |
| | Fruitland Winona Projects | | | | | | | | | | | | |
| 113 | Barton Street | Fruitland Road | Fifty Road | 2r-3u | 5 | 60 | 5 | Widening (Cat A) | 5 | | | | \$0 |
| 114 | Fifty Road | South Service Road | Barton Street | 2r-4u | 1 | 85 | 0 | Widening | | | | | \$0 |
| 115 | Fifty Road Escarpment Access | QEW | Highway 8 | 2r-2u | 0.8 | 85 | 0 | Widening | | | | | \$0 |
| 116 | Fruitland Road By-pass | Barton Street | Highway 8 | 4u | 1.1 | 85 | 1 | New (Cat A) | 1 | | | | \$0 |
| 117 | Fruitland Road | Arvin Avenue | Barton Street | 2u-4u | 0.3 | 85 | 0 | Widening | | | | | \$0 |
| 118 | Highway 8 (Stoney Creek) | Dewitt Road | Fruitland Road | 2r-5u | 0.8 | 60 | 0 | Widening | | | | | \$0 |
| 119 | Highway 8 (Stoney Creek) | Fruitland Road | East City Limit | 2r-4r_NBR | 3.3 | 60 | 4 | Widening | | 3 | 1 | | \$421,500 |
| | Elfrida Boundary Expansion Projects | | | | | | | j | | | | | , |
| 120 | First Road East | Highway 20 | Mud Street | 2r-3u | 2.1 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 121 | Fletcher Road | 500m South of Rymal | Golf Club Road | 2r-3u | 1.6 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 122 | Golf Club Road | Trinity Church Road | Hendershot Road | 2r-2u | 7.00 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 123 | Hendershot Road | Highway 20 | Golf Club Road | 2r-3u | 2.10 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 124 | Highland Road | Upper Centennial Parkway | Second Road East | 2r-3u | 2.00 | 85 | 0 | Widening | | | | | \$0 |
| 125 | Mud Street | Upper Centennial Parkway | Second Road East | 2r-2u | 2.00 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 126 | Second Road East | Highway 20 | Mud Street | 2r-3u | 3.00 | 85 | 1 | Widening | | | 1 | | \$168,600 |
| 127 | Trinity Church Road | Hydro corridor | Golf Club Road | 2r-2u | 2.00 | 85 | 0 | Widening | | | | | \$0 |
| 128 | Upper Centennial Parkway | Green Mountain Road | Highway 20 | 4r-5u | 2.90 | 85 | 0 | Widening | | | | | \$0 |
| | Other Road Projects | | | | | | • | | | | | | ** |
| 129 | Binbrook Road | Royal Winter Drive/Binhaven Road | Fletcher Road | 2r-3u | 0.7 | 85 | 0 | Widening | | | | | \$0 |
| 130 | Highway 8 (Dundas) | Bond Street | Dundas Limits | 2r-3u | 0.4 | 60 | 0 | Widening | | | | | \$0 |
| 131 | Highway 8 (Dundas) | Hillcrest | Park Ave | 2r-3u | 0.6 | 60 | 1 | Widening | | 1 | | | \$84.300 |
| 132 | Jones Road | Barton Street | South Service Road | 2r-2u | 0.90 | 50 | 1 | Widening | | 1 | | | \$84,300 |
| 133 | Lewis Road | Barton Street | South Service Road | 2r-2u | 0.80 | 50 | 1 | New (Cat A) | 1 | - | | | \$0 |
| 134 | Longwood Road | Aberdeen Avenue | Main Street | rarious/ESI | 0.65 | 50 | 0 | Widening | <u>'</u> | | | | \$0 |
| 135 | Miles Road | Rymal Road | Hydro Corridor | 2r-3u | 2.00 | 85 | 1 | Widening | | 1 | | | \$84,300 |
| 136 | Millen Road | Barton Street | South Service Road | 2r-3u | 1.00 | 60 | 0 | Widening | | | | | \$0 |
| 137 | Fletcher Road | Binbrook Road | Golf Club Road | 2r-2u | 4.20 | 60 | 3 | Widening | | 3 | | | \$252,900 |
| 138 | South Service Road | Millen Road | Gray | 2r-2u | 1.70 | 85 | 0 | Widening | | 3 | | | \$232,900 |
| 139 | Trinity Church Road | Binbrook Road | Golf Club Road | 2r-2u | 5.20 | 60 | 1 | Widening | | | | 1 | \$337,200 |

Ref: Hamilton Development Charges -Transportation

| Item Number | Road Project Description | From | То | Improvem | Length km | Benefit to Growth | | Number of Culverts/Bridges | Replacement /Widening/ | Identified in Category | Small @\$84,300 | Meduim @\$168,600 | Large @\$337,200 | Cost (2019\$) |
|-------------------|--------------------------|---------------------------|------------------------|------------------|--------------|----------------------|---|-------------------------------|---------------------------|------------------------|--------------------|----------------------|---------------------|------------------|
| | | | | | | % (Roads) | 1 | > 1m ² end area | New | "A" | 1-4m ² | 4-8m ² | >8m² | |
| 140 | Nebo Road | 800m South of Twenty Road | Dickenson Road | 2r-2u | 0.6 | 85 | | 0 | Widening | | | | | \$0 |
| 141 | Twenty Road | Aldercrest Avenue | 600m west of Nebo Road | 2r-2u | 4.1 | 60 | | 0 | Widening | | | | | \$0 |
| 142 | Upper Gage Street | Mohawk Road | Thorley | 4u-5u | 0.6 | 50 | | 0 | Widening | | | | | \$0 |
| 143 | Upper Sherman Avenue | Stone Church Road | LINC | 2r-3u | 0.90 | 60 | | 0 | Widening | | | | | \$0 |
| 144 | Upper Sherman Avenue | Stone Church Road | Rymal Road | 2r-3u | 1.00 | 60 | | 0 | Widening | | | | | \$0 |
| 145 | Upper Wellington Street | Limeridge Street | Stone Church Road | 2r-5u | 1.20 | 60 | | 0 | Widening | | | | | \$0 |
| 146 | West 5th Street | Limeridge Street | Stone Church Road | 2r-3u | 1.20 | 60 | | 0 | Widening | | | | | \$0 |
| 147 | Shaver Road | Hwy 403 | Wilson Road | | 1.50 | 100 | | 1 | Widening | | | 1 | | \$168,600 |
| 148 | Scenic Drive | Old City Limits | Lavender S Leg | | 1.40 | 100 | | 1 | Widening | | | 1 | | \$168,600 |
| 149 | North Service Road | Green Road | East City Limits | | 8.30 | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| 150 | | Ferrie Street | Burlington Street | Two-way | 0.46 | 85 | | 0 | Widening | | | | | \$0 |
| 151 | Highway 5/6 municipal | | | Service Roads | | 100 | | 1 | New (Cat A) | 1 | | | | \$0 |
| | 17711 | | | 111/6/12 | | | M | | , , | | | | | |
| | | | | | | | | | | | | | | |
| Grand Total | al | | | | | | | 151 | | 64 | 74 | 7 | 6 | \$9,441,600 |
| Growth % | | | | | | | | | | | | | | |
| Total Grow | vth | | | | | | | | | | | | | |

\$4,467,900 \$4,973,700

APPENDIX G-1 - GRIDS-RELATED STORMWATER MANAGEMENT (QUALITY AND OR QUANTITY) FACILITIES

| | * | | | | | | | | | | | | | | |
|-----------------------------------|--------|---------------|-----------------------|-------------|-----------------------------------|--------------|-----------------------------------|---------------------|------------------|--------------------------------------|-----------------------|---|--------------------------------------|---------------------------------------|-----------------------------------|
| Primary Dev. Areas | SWMF # | AEGD Stage # | Drainage Area (ha) | Volume (m3) | Estimated Footprint 4% (ha) | Land Cost 4% | Estimated Capital Cost (\$) | Estimated Cost (\$) | Growth Related % | Total Growth Assiciated Cost (\$) | Post Period Cost (\$) | Net Total Assiciated Cost 2014-2031 (\$) | Direct Developer Contribution (%) | Direct Developer Contribution (\$) | Net Total Assiciated Cost (\$) |
| | 1 | 2 | 77 | 17,325 | 3.08 | 4,968,252 | 1,096,673 | 6,064,924 | 100 | 6,064,924 | 6,064,924 | - | 100 | - | - |
| | 2 | 2 | 33 | 7,425 | 1.32 | 2,129,251 | 470,003 | 2,599,253 | 100 | 2,599,253 | 2,599,253 | | 100 | - | - |
| | 3 | 2 | 38.5 | 8,663 | 1.54 | 2,484,126 | 548,336 | 3,032,462 | 100 | 3,032,462 | 3,032,462 | | 100 | - | - |
| | 4 | 2 | 88 | 19,800 | 3.52 | 5,678,002 | 1,253,340 | 6,931,342 | 100 | 6,931,342 | 6,931,342 | | 100 | - | - |
| Expansion to Airport SPA | 5 | 1 | 160 | 36,000 | 6.40 | 10,323,640 | 2,278,800 | 12,602,440 | 100 | 12,602,440 | - | 12,602,440 | 100 | 12,602,440 | - |
| Expansion to Airport SFA | 6 | 1 | 63 | 14,175 | 2.52 | 4,064,933 | 897,278 | 4,962,211 | 100 | 4,962,211 | - | 4,962,211 | 100 | 4,962,211 | - |
| | 10 | 1 | 33 | 7,425 | 1.32 | 2,129,251 | 470,003 | 2,599,253 | 100 | 2,599,253 | - | 2,599,253 | 100 | 2,599,253 | - |
| | 11 | 1 | 28 | 6,300 | 1.12 | 1,806,637 | 398,790 | 2,205,427 | 100 | 2,205,427 | - | 2,205,427 | 100 | 2,205,427 | - |
| | 12 | 1 | 17.88 | 4,023 | 0.72 | 1,153,667 | 254,656 | 1,408,323 | 100 | 1,408,323 | - | 1,408,323 | 100 | 1,408,323 | - |
| | 13 | 1 | 108 | 24,300 | 4.32 | 6,968,457 | 1,538,190 | 8,506,647 | 100 | 8,506,647 | | 8,506,647 | 100 | 8,506,647 | |
| | 14 | 1 | 42.5 | 9,563 | 1.70 | 2,742,217 | 605,306 | 3,347,523 | 100 | 3,347,523 | | 3,347,523 | 100 | 3,347,523 | |
| | 15 | 1 | 25.5 | 5,738 | 1.02 | 1,645,330 | 363,184 | 2,008,514 | 100 | 2,008,514 | - | 2,008,514 | 100 | 2,008,514 | - |
| | 16 | 1 | 34 | 7,650 | 1.36 | 2,193,774 | 484,245 | 2,678,019 | 100 | 2,678,019 | | 2,678,019 | 100 | 2,678,019 | |
| | 17 | 1 | 41 | 9,225 | 1.64 | 2,645,433 | 583,943 | 3,229,375 | 100 | 3,229,375 | - | 3,229,375 | 100 | 3,229,375 | |
| | 18 | 1 | 124.88 | 28,098 | 5.00 | 8,057,601 | 1,778,603 | 9,836,205 | 100 | 9,836,205 | - | 9,836,205 | 100 | 9,836,205 | - |
| | 19 | 1 | 100 | 22,500 | 4.00 | 6,452,275 | 1,424,250 | 7,876,525 | 100 | 7,876,525 | | 7,876,525 | 100 | 7,876,525 | - |
| | 20 | 1 | 230.5 | 51,863 | 9.22 | 14,872,494 | 3,282,896 | 18,155,391 | 100 | 18,155,391 | | 18,155,391 | 100 | 18,155,391 | - |
| | 21 | 1 | 15 | 3,375 | 0.60 | 967,841 | 213,638 | 1,181,479 | 100 | 1,181,479 | - | 1,181,479 | 100 | 1,181,479 | - |
| | 22 | 1 | 34 | 7,650 | 1.36 | 2,193,774 | 484,245 | 2,678,019 | 100 | 2,678,019 | - | 2,678,019 | 100 | 2,678,019 | - |
| | 23 | 1 | 140.88 | 31,698 | 5.64 | 9,089,965 | 2,006,483 | 11,096,449 | 100 | 11,096,449 | - | 11,096,449 | 100 | 11,096,449 | - |
| | 24 | 1 | 50.5 | 11,363 | 2.02 | 3,258,399 | 719,246 | 3,977,645 | 100 | 3,977,645 | - | 3,977,645 | 100 | 3,977,645 | - |
| | 25 | 1 | 97 | 21,825 | 3.88 | 6,258,707 | 1,381,523 | 7,640,229 | 100 | 7,640,229 | - | 7,640,229 | 100 | 7,640,229 | - |
| Potential New Busniess | 26 | 2 | 45 | 10,125 | 1.80 | 2,903,524 | 640,913 | 3,544,436 | 100 | 3,544,436 | 3,544,436 | - | 100 | - | |
| Park (In existing Airport Spa) | 27 | 2 | 42.75 | 9,619 | 1.71 | 2,758,348 | 608,867 | 3,367,215 | 100 | 3,367,215 | 3,367,215 | | 100 | - | - |
| Ора) | 28 | 2 | 18 | 4,050 | 0.72 | 1,161,410 | 256,365 | 1,417,775 | 100 | 1,417,775 | 1,417,775 | | 100 | - | |
| | 29 | 2 | 196.75 | 44,269 | 7.87 | 12,694,851 | 2,802,212 | 15,497,063 | 100 | 15,497,063 | 15,497,063 | | 100 | - | |
| | 30 | 2 | 24.75 | 5,569 | 0.99 | 1,596,938 | 352,502 | 1,949,440 | 100 | 1,949,440 | 1,949,440 | - | 100 | - | |
| | 31 | 2 | 16.25 | 3,656 | 0.65 | 1,048,495 | 231,441 | 1,279,935 | 100 | 1,279,935 | 1,279,935 | | 100 | - | - |
| | 32 | 2 | 15 | 3,375 | 0.60 | 967,841 | 213,638 | 1,181,479 | 100 | 1,181,479 | 1,181,479 | - | 100 | - | - |
| | 33 | 2 | 30.25 | 6,806 | 1.21 | 1,951,813 | 430,836 | 2,382,649 | 100 | 2,382,649 | 2,382,649 | - | 100 | - | - |
| | 34 | 1 | 24.75 | 5,569 | 0.99 | 1,596,938 | 352,502 | 1,949,440 | 100 | 1,949,440 | - | 1,949,440 | 100 | 1,949,440 | |
| | 35 | 2 | 12.75 | 2,869 | 0.51 | 822,665 | 181,592 | 1,004,257 | 100 | 1,004,257 | 1,004,257 | | 100 | - | - |
| | 36 | 2 | 22.5 | 5,063 | 0.90 | 1,451,762 | 320,456 | 1,772,218 | 100 | 1,772,218 | 1,772,218 | | 100 | - | - |
| | 37 | 2 | 33.75 | 7,594 | 1.35 | 2,177,643 | 480,684 | 2,658,327 | 100 | 2,658,327 | 2,658,327 | | 100 | - | |
| | 38 | 2 | 56.25 | 12,656 | 2.25 | 3,629,405 | 801,141 | 4,430,545 | 100 | 4,430,545 | 4,430,545 | | 100 | - | |
| | 39 | 1 | 37.5 | 8,438 | 1.50 | 2,419,603 | 534,094 | 2,953,697 | 100 | 2,953,697 | - | 2,953,697 | 100 | 2,953,697 | |
| | 7 | 1 | 20 | 4,500 | 0.80 | 1,290,455 | 284,850 | 1,575,305 | 100 | 1,575,305 | - | 1,575,305 | 100 | 1,575,305 | - |
| | 8 | 1 | 37.25 | 8,381 | 1.49 | 2,403,473 | 530,533 | 2,934,006 | 100 | 2,934,006 | - | 2,934,006 | 100 | 2,934,006 | - |
| | 9 | 1 | 58.13 | 13,079 | 2.33 | 3,750,708 | 827,917 | 4,578,624 | 100 | 4,578,624 | - | 4,578,624 | 100 | 4,578,624 | - |
| | 40 | 1 | 11.25 | 2,531 | 0.45 | 725,881 | 160,228 | 886,109 | 100 | 886,109 | | 886,109 | 100 | 886,109 | |
| | 41 | Elfrida (Res) | 126 | 28,350 | 5.04 | 8,129,867 | 1,794,555 | 9,924,422 | 100 | 9,924,422 | | 9,924,422 | 0 | - | 9,924,422 |
| | 42 | Elfrida (Res) | 21.25 | 4,781 | 0.85 | 1,371,108 | 302,653 | 1,673,762 | 100 | 1,673,762 | - | 1,673,762 | 0 | - | 1,673,762 |
| | 43 | Elfrida (Res) | 60 | 13,500 | 2.40 | 3,871,365 | 854,550 | 4,725,915 | 100 | 4,725,915 | - | 4,725,915 | 0 | - | 4,725,915 |
| | 44 | Elfrida (Res) | 71.25 | 16,031 | 2.85 | 4,597,246 | 1,014,778 | 5,612,024 | 100 | 5,612,024 | - | 5,612,024 | 0 | - | 5,612,024 |
| | 45 | Elfrida (Res) | 22 | 4,950 | 0.88 | 1,419,501 | 313,335 | 1,732,836 | 100 | 1,732,836 | - | 1,732,836 | 0 | - | 1,732,836 |
| Potential Urban Boundary | 46 | Elfrida (Res) | 147 | 33,075 | 5.88 | 9,484,845 | 2,093,648 | 11,578,492 | 100 | 11,578,492 | - | 11,578,492 | 0 | - | 11,578,492 |
| Expansion Area | 47 | Elfrida (Res) | 168.75 | 37,969 | 6.75 | 10,888,214 | 2,403,422 | 13,291,636 | 100 | 13,291,636 | - | 13,291,636 | 0 | - | 13,291,636 |
| 1 | 48 | Elfrida (Res) | 140 | 31,500 | 5.60 | 9,033,185 | 1,993,950 | 11,027,135 | 100 | 11,027,135 | - | 11,027,135 | 0 | - | 11,027,135 |
| | 49 | Elfrida (Res) | 66 | 14,850 | 2.64 | 4,258,502 | 940,005 | 5,198,507 | 100 | 5,198,507 | - | 5,198,507 | 0 | - | 5,198,507 |
| | 50 | Elfrida (Res) | 130.75 | 29,419 | 5.23 | 8,436,350 | 1,862,207 | 10,298,557 | 100 | 10,298,557 | - | 10,298,557 | 0 | - | 10,298,557 |
| | 51 | Elfrida (Res) | 38.5 | 8,663 | 1.54 | 2,484,126 | 548,336 | 3,032,462 | 100 | 3,032,462 | - | 3,032,462 | 0 | - | 3,032,462 |
| | 52 | Elfrida (Res) | 102.25 | 23,006 | 4.09 | 6,597,451 | 1,456,296 | 8,053,747 | 100 | 8,053,747 | - | 8,053,747 | 0 | - | 8,053,747 |
| | 53 | Elfrida (Res) | 25.16 | 5,661 | 1.01 | 1,623,392 | 358,341 | 1,981,734 | 100 | 1,981,734 | - | 1,981,734 | 0 | - | 1,981,734 |
| | 54 | Elfrida (Res) | 29.25 | 6,581 | 1.17 | 1,887,290 | 416,593 | 2,303,884 | 100 | 2,303,884 | - | 2,303,884 | 0 | - | 2,303,884 |
| | 55 | Elfrida (Res) | 48.75 | 10,969 | 1.95 | 3,145,484 | 694,322 | 3,839,806 | 100 | 3,839,806 | - | 3,839,806 | 0 | - | 3,839,806 |
| | 56 | Elfrida (Res) | 29.25 | 6,581 | 1.17 | 1,887,290 | 416,593 | 2,303,884 | 100 | 2,303,884 | - | 2,303,884 | 0 | - | 2,303,884 |

| | 57 | Elfrida (Res) | 26 | 5,850 | 1.04 | 1,677,592 | 370,305 | 2,047,897 | 100 | 2,047,897 | - | 2,047,897 | 0 | - | 2,047,897 |
|--------------------|-----|---------------|----|-------|------|-----------|---------|-------------|-----|-------------|------------|-------------|---|-------------|------------|
| Total | | | | | | | | 278,606,874 | 100 | 278,606,874 | 59,113,322 | 219,493,552 | | 120,866,854 | 98,626,698 |
| | | | | | | | | | | | | | | | |
| Total Residential | | | | | | | | 98,626,698 | 100 | 98,626,698 | | 98,626,698 | | - | 98,626,698 |
| Total Non-Resident | ial | | • | | | | | 179,980,176 | 100 | 179,980,176 | 59,113,322 | 120,866,854 | | 120,866,854 | - |



APPENDIX G-1 - GRIDS-RELATED OPEN WATERCOURSES: EROSION CONTROL AND CHANNEL SYSTEM IMPROVEMENTS

| Primary Dev. Areas | Location | Total Length of Downstream Watercourse to Assumed End- Point ³ | Fraction of Watercourse Assumed to Required Erosion Control ² | Length of Erosion Control Works | Estimated Cost (\$) | Land Cost | Estimated Total Cost (\$) | Growth Related % | Net Total Assiciated Cost (\$) | Remarks |
|---|--|---|--|--|------------------------|-----------|------------------------------|---------------------|-----------------------------------|-------------|
| Expansion to Airport SPA | Ancaster | 1,303 | 0.2 | 260.6 | 390,900 | 243,024 | 633,924 | 100 | 633,924 | |
| Expansion to Airport of A | North of Airport | • | 0.2 | - | - | | | 100 | - | |
| Potential New Busniess Park (In Existing Airport Spa) | West of Airport | 24,231 | 0.2 | 4,846.2 | 7,269,300 | 4,519,350 | 11,788,650 | 100 | 11,788,650 | |
| | South of Twenty Road West, north of Airport | - | 0.2 | - | | - | - | 100 | - | |
| Potential Orban Boundary Expansion Area | Northwest of Golf Club Road and Second Road East | 15,337 | 0.2 | 3,067.4 | 4,601,100 | 2,473,964 | 7,075,064 | 100 | 7,075,064 | Residential |
| Grand Total | • | | | | | _ | 19,497,638 | 100 | 19,497,638 | • |
| Total Residential | | | | | | · | 7,075,064 | 100 | 7,075,064 | |
| Total Non-Residential | | | | | | | 12,422,574 | 100 | 12,422,574 | |

²-0.05 - Where Development Fraction is 0 - 25%

^{0.10 -} Where Development Fraction is 26 - 49%

^{0.15 -} Where Development Fraction is 50 - 74%

^{0.20 -} Where Development Fraction is 75 - 100%

³Location where d/s of this point no erosion is deemed to occur from subject development; total drainage area to this point estimated as a maximum of 2X the study watershed area.

^{4\$2500/}m for Watershed Area > 500 ha

^{\$1500/}m for Watershed Area < 500 ha



21. Draft Calculation and Rate Comparison

BY-LAW NO. 2019 - _____

SCHEDULE OF DEVELOPMENT CHARGES

| | SCHEDOLE OF | DEVELOP MILITY CI | RESIDENTIAL | | | NON-RESIDENTIAL |
|---|---------------------------------------|------------------------------|---|-----------------|---|-------------------------------------|
| Service | Single and Semi- Detached Dwelling | Apartments - 2 Bedrooms + | Apartments - Bachelor and 1 Bedroom | Other Multiples | Special Care/Special Dwelling Units | (per sq.ft. of Gross Floor Area) |
| City Wide Services: | | | | | | |
| Services Related to a Highway | 10,875 | 6,369 | 4,356 | 7,783 | 3,513 | 8.14 |
| Public Works Facilities, Fleet & Equipment | 791 | 463 | 317 | 566 | 256 | 0.40 |
| Police Services | 502 | 294 | 201 | 359 | 162 | 0.25 |
| Fire Protection Services | 458 | 268 | 183 | 328 | 148 | 0.23 |
| Transit Services | 1,930 | 1,130 | 773 | 1,381 | 623 | 0.98 |
| Parkland Development | 2,301 | 1,347 | 922 | 1,647 | 743 | 0.11 |
| Indoor Recreation Services | 4,303 | 2,520 | 1,724 | 3,080 | 1,390 | 0.20 |
| Library Services | 1,019 | 597 | 408 | 729 | 329 | 0.04 |
| Administrative Studies | 497 | 291 | 199 | 356 | 161 | 0.25 |
| Paramedics | 137 | 80 | 55 | 98 | 44 | 0.02 |
| Long Term Care | 124 | 73 | 50 | 89 | 40 | 0.01 |
| Health Services | 1 | 1 | - | 1 | - | 0.00 |
| Social & Child Services | 13 | 8 | 5 | 9 | 4 | 0.00 |
| Social Housing | 673 | 394 | 270 | 482 | 217 | 0.00 |
| Airport facilities | 376 | 220 | 151 | 269 | 121 | 0.19 |
| Parking services | 491 | 288 | 197 | 351 | 159 | 0.25 |
| Provincial Offences Act | 34 | 20 | 14 | 24 | 11 | 0.02 |
| Waste Diversion | 657 | 385 | 263 | 470 | 212 | 0.13 |
| Total City Wide Services | 25,182 | 14,748 | 10,088 | 18,022 | 8,133 | 11.22 |
| Urban Services | | | | | | |
| Wastewater Facilities | 3,893 | 2,280 | 1,559 | 2,786 | 1,258 | 1.87 |
| Wastewater Linear Services | 5,326 | 3,119 | 2,134 | 3,812 | 1,721 | 2.55 |
| Water Services | 4,755 | 2,785 | 1,905 | 3,403 | 1,536 | 2.29 |
| Combined Sewer System | · | | | | | |
| Stormwater Drainage and Control Services | 3,539 | 2,072 | 1,418 | 2,533 | 1,143 | 0.00 |
| Separated Sewer System | | | | | | |
| Stormwater Drainage and Control Services | 13,085 | 7,663 | 5,242 | 9,365 | 4,227 | 2.24 |
| GRAND TOTAL CITY WIDE | 25,182 | 14,748 | 10,088 | 18,022 | 8,133 | 11.22 |
| GRAND TOTAL URBAN AREA (COMBINED SEWER SYSTEM) | 42,695 | 25,004 | 17,104 | 30,556 | 13,791 | 17.93 |
| GRAND TOTAL URBAN AREA (SEPARATED SEWER SYSTEM) | 52,241 | 30,595 | 20,928 | 37,388 | 16,875 | 20.17 |

Residential (Single Detached) Comparison

| Residential (Single Detached) Company | | | |
|---|-----------------------|------------|---------------|
| | | | Calculated v. |
| Service | Current | Calculated | |
| City Wide Services: | 0 | | |
| Services Related to a Highway | 8,939 | 10,875 | 22% |
| Public Works Facilities, Fleet & Equipment | 333 | 791 | 138% |
| Police Services | 421 | 502 | 19% |
| Fire Protection Services | 371 | 458 | 23% |
| Transit Services | 544 | 1,930 | 255% |
| Parkland Development | 1,479 | 2,301 | 56% |
| Indoor Recreation Services | 2,271 | 4,303 | 89% |
| Library Services | 642 | 1,019 | 59% |
| Administrative Studies | 795 | 497 | -37% |
| Paramedics | 39 | 137 | 251% |
| Long Term Care | 257 | 124 | -52% |
| Health Services | 28 | 1 | -96% |
| Social & Child Services | 31 | 13 | -58% |
| Social Housing | 583 | 673 | 15% |
| Airport facilities | 261 | 376 | 44% |
| Parking services | 366 | 491 | 34% |
| Provincial Offences Act | 25 | 34 | 36% |
| Hamilton Conservation Authority | 24 | - | -100% |
| Waste Diversion | Previously Ineligible | 657 | N/A |
| Total City Wide Services | 17,409 | 25,182 | 45% |
| Water and Wastewater Urban Area Charges: | | | |
| Wastewater Facilities | 4,090 | 3,893 | -5% |
| Wastewater Linear Services | 5,151 | 5,326 | 3% |
| Water Services | 4,603 | 4,755 | 3% |
| Total Water and Wastewater Urban Area Services | 13,844 | 13,974 | 1% |
| Stormwater Charges: | | | |
| Stormwater Drainage and Control Services (Combined Sewer System) | 7,065 | 3,539 | -50% |
| Stormwater Drainage and Control Services (Separated Sewer System) | 7,065 | 13,085 | 85% |
| GRAND TOTAL CITY WIDE | 17,409 | 25,182 | 45% |
| GRAND TOTAL URBAN AREA COMBINED SEWER SYSTEM | 38,318 | 42,695 | 11% |
| GRAND TOTAL URBAN AREA SEPARATED SEWER SYSTEM | 38,318 | 52,241 | 36% |

Calculated rate in 2019\$

Non-Residential (per sq.ft.) Comparison

| | | | Calculated v. |
|---|---------|------------|---------------|
| Service | Current | Calculated | Current |
| City Wide Services: | | | |
| Services Related to a Highway | 9.10 | 8.14 | -11% |
| Public Works Facilities, Fleet & Equipment | 0.19 | 0.40 | 111% |
| Police Services | 0.23 | 0.25 | 9% |
| Fire Protection Services | 0.21 | 0.23 | 10% |
| Transit Services | 0.34 | 0.98 | 188% |
| Parkland Development | 0.11 | 0.11 | 0% |
| Indoor Recreation Services | 0.16 | 0.20 | 25% |
| Library Services | 0.04 | 0.04 | 0% |
| Administrative Studies | 0.48 | 0.25 | -48% |
| Paramedics | 0.02 | 0.02 | 0% |
| Long Term Care | 0.04 | 0.01 | -75% |
| Health Services | - | - | - |
| Social & Child Services | - | - | N/A |
| Social Housing | - | - | - |
| Airport facilities | 0.16 | 0.19 | 19% |
| Parking services | 0.22 | 0.25 | 14% |
| Provincial Offences Act | 0.01 | 0.02 | 100% |
| Hamilton Conservation Authority | 0.02 | - | -100% |
| Waste Diversion | | 0.13 | |
| Total City Wide Services | 11.33 | 11.22 | -1% |
| Water and Wastewater Urban Area Charges: | | | |
| Wastewater Facilities | 2.30 | 1.87 | -19% |
| Wastewater Linear Services | 2.90 | 2.55 | -12% |
| Water Services | 2.60 | 2.29 | -12% |
| Total Water and Wastewater Urban Area Services | 7.80 | 6.71 | -14% |
| Stormwater Charges: | | | |
| Stormwater Drainage and Control Services (Combined Sewer System) | 1.41 | - | -100% |
| Stormwater Drainage and Control Services (Separated Sewer System) | 1.41 | 2.24 | 59% |
| GRAND TOTAL CITY WIDE | 11.33 | 11.22 | -1% |
| GRAND TOTAL URBAN AREA COMBINED SEWER SYSTEM | 20.54 | 17.93 | -13% |
| GRAND TOTAL URBAN AREA SEPARATED SEWER SYSTEM | 20.54 | 20.17 | -2% |

Calculated rate in 2019\$

LEVEL OF SERVICE CEILING

CITY OF HAMILTON

SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED

| | | | 10 Year Average Service Standard | | Maximum | | |
|----------------------------------|---|----------------------|---|------------------------|---------------|-------------|---------------|
| Service Category | Sub-Component | Cost (per capita) | Quantity (per capita) | Quality (per capita) | Ceiling LOS | Utilized** | Remaining |
| | Roads | \$22,997.80 | 0.0092 lane km of roadways | 2,499,761 per lane km | 1,982,019,397 | | |
| | Bridges, Culverts & Structures | \$3,021.00 | 0.0007 Number of Bridges, Culverts & Structures | 4,315,714 per item | 260,358,843 | | |
| | Traffic Signals | \$250.50 | 0.0010 No. of Traffic Signals | 250,500 per signal | 21,588,842 | 659,960,020 | 1,606,980,376 |
| Services Related to a Highway | Active Transportation - Terminals | \$17.80 | 0.0563 sq.ft. of terminal space | 316 per sq.ft. | 1,534,057 | | |
| | Active Transportation - Shelters | \$16.70 | 0.0021 No. of Shelters/Pads | 7,952 per item | 1,439,256 | | |
| | Facilities | \$945.73 | 1.6712 sq.ft. of building area | 566 per sq.ft. | 81,505,849 | 26,785,330 | 54,720,518 |
| | Vehicles and Equipment | \$184.36 | 0.0023 No. of vehicles and equipment | 80,157 per vehicle | 15,888,698 | 14,210,885 | 1,677,813 |
| | Fire Facilities | \$194.54 | 0.4755 sq.ft. of building area | 409 per sq.ft. | 16,766,041 | | |
| Fire | Fire Vehicles | \$122.13 | 0.0002 No. of vehicles | 610,650 per vehicle | 10,525,530 | 22,754,342 | 7,762,197 |
| | Fire Small Equipment and Gear | \$37.42 | 0.0086 No. of equipment and gear | 4,351 per Firefighter | 3,224,968 | | |
| | Police Facilities | \$261.70 | 0.5821 sq.ft. of building area | 450 per sq.ft. | 22,554,091 | | |
| Police | Police Vehicles | \$16.30 | 0.0004 No. of vehicles and equipment | 40,750 per vehicle | 1,404,783 | 24,665,678 | 1,163,368 |
| | Police Small Equipment and Gear | \$21.70 | 0.0045 No. of equipment and gear | 4,822 per Officer | 1,870,171 | | |
| | Parking Spaces | \$263.81 | 0.0090 No. of spaces | 29,312 per space | 17,159,785 | | |
| Parking | Parking Meters | \$4.37 | 0.0051 No. of Meters | 857 per meter | 284,251 | 22,114,537 | 880,525 |
| | Parking Facilities | \$85.34 | 0.0599 sq.ft. of building area | 1,425 per sq.ft. | 5,551,026 | | |
| Airport | Airport Space | \$291.51 | 0.0029 acres of land | 100,521 per sq.ft. | 18,961,559 | 16,818,851 | 2,142,708 |
| | Parkland Development | \$447.94 | 0.0115 Acres of Parkland | 38,951 per acre | 29,136,705 | | |
| | Parkland Amenities | \$560.40 | 0.0334 No. of parkland amenities | 16,778 per amenity | 36,451,778 | | |
| Parks | Parkland Amenities - Buildings | \$10.11 | 0.1066 sq.ft. of building area | 95 per sq.ft. | 657,615 | 65,965,460 | 1,645,954 |
| | Parkland Trails | \$20.73 | 0.0001 Linear Kilometres of Paths and Trails | 207,300 per lin m. | 1,348,404 | | |
| | Parks Vehicles and Equipment | \$0.26 | 0.0001 No. of vehicles and equipment | 2,600 per vehicle | 16,912 | | |
| | Indoor Recreation Facilities | \$1,796.90 | 3.9848 sq.ft. of building area | 451 per sq.ft. | 116,881,157 | | |
| Recreation | Indoor Recreation Facilities - Buildings Within Parks | \$178.95 | 0.4181 sq.ft. of building area | 428 per sq.ft. | 11,639,982 | 123,522,251 | 5,033,362 |
| | Recreation Vehicles and Equipment | \$0.53 | 0.0001 No. of vehicles and equipment | 5,300 per vehicle | 34,474 | | |
| | Library Facilities | \$389.01 | 0.7264 sq.ft. of building area | 536 per sq.ft. | 25,303,544 | 24 700 464 | 747.000 |
| Library | Library Vehicles | \$2.36 | 0.00001 No. of vehicles and equipment | 214,545 per vehicle | 153,509 | 24,709,161 | 747,892 |
| | Library Collection Materials | \$70.77 | 2.0094 No. of library collection items | 35 per collection item | 4,603,305 | 3,171,031 | 1,432,274 |
| Daramadias | Paramedics Facilities | \$38.52 | 0.1225 sq.ft. of building area | 314 per sq.ft. | 2,505,572 | 2,319,005 | 186,567 |
| Paramedics | Paramedics Vehicles | \$27.60 | 0.0005 No. of vehicles and equipment | 55,200 per vehicle | 1,795,270 | 1,794,600 | 670 |
| Long Term Care | Long Term Care Facilities | \$305.30 | 0.6387 sq.ft. of building area | 478 per sq.ft. | 19,858,544 | 4,077,773 | 15,780,771 |

^{*}Transit is now based on a forward looking service standard based on the amendments to the DCA
***Utilized amounts do not include interest costs from debentures.

LEVEL OF SERVICE CEILING

CITY OF HAMILTON

SUMMARY OF SERVICE STANDARDS AS PER DEVELOPMENT CHARGES ACT, 1997, AS AMENDED

| | | | | 10 Year Average Service Standard | | | Maximum | | |
|-------------------------|--|-------------------|----------|----------------------------------|---------|----------------|-------------|------------|------------|
| Service Category | Sub-Component | Cost (per capita) | | Quantity (per capita) | Quali | y (per capita) | Ceiling LOS | Utilized** | Remaining |
| Social Housing | Social Housing | \$1,604.83 | 10.71 | sq.ft. of building area | 149.84 | per sq.ft. | 104,387,772 | 18,734,570 | 85,653,202 |
| Provincial Offences Act | Provincial Offences Act Facilities | \$22.48 | 0.0421 | sq.ft. of building area | 533.97 | per sq.ft. | 1,462,234 | 1,229,439 | 232,795 |
| | Health Facilities | \$76.78 | 0.1975 | sq.ft. of building area | 389 | per sq.ft. | 4,994,232 | 84 404 | 4.004.475 |
| Health | Health Vehicles | \$0.74 | 0.000002 | No. of vehicles | 390,898 | per vehicle | 48,134 | 81,191 | 4,961,175 |
| Social & Child Services | Social and Child Services Facilities | \$94.63 | 0.2647 | sq.ft. of building area | 357 | per sq.ft. | 6,155,303 | 362,227 | 5,793,076 |
| | Waste Diversion - Facilities - Stations/Depots | \$271.10 | 0.6940 | sq.ft. of building area | 391 | per sq.ft. | 17,633,971 | | |
| Waste Diversion | Waste Diversion - Vehicles & Equipment | \$79.39 | 0.0004 | No. of vehicles and equipment | 198,475 | per vehicle | 5,164,002 | 22,054,910 | 2,055,691 |
| | Waste Diversion - Carts & Containers | \$20.18 | 1.3441 | No. of items | 15 | per Item | 1,312,628 | | |

^{*}Transit is now based on a forward looking service standard based on the amendments to the DCA



^{**}Utilized amounts do not include interest costs from debentures.