



**PUBLIC WORKS COMMITTEE  
REPORT 23-018**

1:30 p.m.

Monday, December 4, 2023

Council Chambers

Hamilton City Hall

71 Main Street West

**Present:** Councillors N. Nann (Chair), E. Pauls (Vice-Chair), J. Beattie, C. Cassar, J. P. Danko, M. Francis, T. Hwang, C. Kroetsch, T. McMeekin, M. Spadafora, M. Tadeson, A. Wilson and M. Wilson

**Absent with  
Regrets:** Councillor T. Jackson - Personal

**THE FOLLOWING ITEMS WERE REFERRED TO COUNCIL FOR CONSIDERATION:**

**1. Litter Management Service Enhancements (PW23076) (City Wide) (Item 8.1)**

- (a) That the following provisions to be used to enhance city-wide litter management in the public realm, be referred to the 2024 Tax Supported Operating Budget process;
  - (i) \$150,000 for the Environmental Services Division to be used to enhance litter prevention community engagement, and enhance materials required for both manual litter removal and litter container collection within parks and trails. This includes four Summer Student positions, which works out to 1.32 full-time equivalent employees;
  - (ii) That 17 full-time Roadway Operator positions at an annual cost of \$1.373 million be added to the Transportation Division's 2024 staffing complement to be used to enhance roadway sweeping on transit routes, Business Improvement Areas and in cycle lanes and to create dedicated proactive and reactive litter removal services city-wide;
  - (iii) That one full-time Waste Management By-law Officer position at an annual cost of \$86,600 be added to the Waste Management

Division's 2024 staffing complement to be used to enforce the Solid Waste Management and Parks By-law in Wards 1, 2 and 3;

- (iv) That two full-time Waste Operator positions, two full-time Supervisor positions, four Seasonal Labourers and four Summer Students, which works out to 3.64 full-time equivalent employees at an annual cost of \$543,000 be added to the Waste Management Division's 2024 staffing complement to be used to enhance litter removal and sidewalk sweeping, within the downtown core to a seven day per week service level including the creation of a night shift;
- (b) That the following provisions to be used to enhance city-wide litter management in the public realm, be referred to the 2024 Tax Supported Capital Budget process;
  - (i) That \$1.78 million be added to the Transportation Division's 2024 Tax Supported Capital Budget to be used to purchase equipment to support the enhanced litter management outlined in Recommendation (a) (ii) including four electric roadway sweepers, four support vehicles and four portable litter vacuums;
  - (ii) That \$175,000 be added to the Waste Management Division's 2024 Tax Supported Capital Budget to be used to purchase two support vehicles to support enhanced litter management within the downtown core outlined in Recommendation (a) (iv) above; and
- (c) That the total Operating Impacts from Capital at an annual cost of \$307,800 resulting from the approval of Recommendation (b), be referred to the 2024 Tax Supported Capital Budget process and if approved take into effect in 2025.

**2. Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (PW23077) (City Wide) (Outstanding Business List Item) (Item 8.3)**

That Report PW23077, respecting Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (PW23077) (City Wide) (Outstanding Business List Item), be received.

**3. Terms of Reference – Red Hill Business Park to Highway 6 South Conceptual Link (PED23246) (City Wide) (Item 9.1)**

That Report PED23246, respecting Terms of Reference – Red Hill Business Park to Highway 6 South Conceptual Link (PED23246) (City Wide), be received.

**4. Winterizing Public Washrooms - Winter Operations (PW21031(c)) (City Wide) (Outstanding Business List Item) (Item 9.2)**

That Report PW21031(c), respecting Winterizing Public Washrooms - Winter Operations (PW21031(c)) (City Wide) (Outstanding Business List Item), be received.

**5. Wild Waterworks Commercial Opportunities and Strategic Review (Ward 5) (Item 12.4)**

WHEREAS, the Wild Waterworks facilities are owned by the City and operated by the Hamilton Conservation Authority;

WHEREAS, the structures at the park were built in the 1980's and therefore are anticipated to reach end-of-life condition in the next several years;

WHEREAS, significant capital reinvestment is required to redevelop Wild Waterworks facilities once the structures can no longer safely operate and was outlined in Report HC20048 which was received by Emergency and Community Services committee on November 5, 2020;

WHEREAS, the venue has historically attracted around 100,000 visitors annually, and has the potential to continue to provide an economic and tourist benefit to the City; and

WHEREAS, the current venue and site within Confederation Beach Park provides a strategic opportunity to leverage City property to achieve realizable outcomes related to the City's Council and Strategic priorities include the City's Tourism Plan, the Recreation Master Plan, and the goals laid out in the Confederation Beach Park Master Plan.

THEREFORE, BE IT RESOLVED:

- (a) That staff be directed to investigate opportunities for the redevelopment of the Wild Waterworks site and surrounding lands within Confederation Beach Park, with a focus on, but not limited to, examination of:
  - (i) Investment community and operator/developer interest in creating a water themed entertainment/recreation attraction/venue at Confederation Beach Park;
  - (ii) The potential for the venue to include a broad range of attractions/uses to make a viable destination;

- (iii) Viable development concepts identified through financial and market feasibility testing;
  - (iv) Various models and options that maximize the contributions of private sector partners with the required experience and know how to execute on the City's objectives; and
  - (v) Processes for securing a viable development and proponent.
- (b) That Corporate Real Estate staff, in collaboration with Parks, Finance and other divisional staff, be directed and authorized to seek input and support from industry experts, and that the cost of the work be funded by reallocating up to \$200,000 from existing Project ID 4401956802 Beach Park Development Program to a new Project ID, to be used to fund the analysis, including retention of requisite advisors/consultants, be approved;
- (c) That staff be directed to report back to the General Issues Committee in Q4 of 2024 with recommendations regarding the scope of work and the process to move forward, based on findings; and
- (d) That the General Manager of Planning and Economic Development be authorized and directed to approve and execute any and all required agreements and ancillary documents, in a form satisfactory to the City Solicitor, related to the investigation of opportunities for the potential redevelopment of the Wild Waterworks site and surrounding lands within Confederation Beach Park.

**6. Hamilton Cycling Committee Budget 2024 (PED23247) (City Wide) (Item 11.2)**

- (a) That the Hamilton Cycling Committee 2024 Base Budget submission, in the amount of \$10,000, as described in Appendix "A" attached to Public Works Committee Report 23-018, be approved and referred to the 2024 Budget process for consideration;
- (b) That, in addition to the base funding, a one-time budget allocation for 2024 of \$4,000 to support community events and initiatives that meet the mandate of the Hamilton Cycling Committee, funded by the Hamilton Cycling Committee Reserve, be approved and referred to the 2024 Budget process for consideration;
- (c) That remaining funds from the 2023 Hamilton Cycling Committee Budget be allocated into the Hamilton Cycling Committee Reserve, to the upmost allowable amount.



**7. Crime Prevention Through Environmental Design (CPTED)  
Recommendation Report (PW23075) (City Wide) (Outstanding Business List  
Item) (Item 11.3)**

That the recommended actions in Appendices “B”, “C”, “D”, “E” and “F” to Public Works Committee Report 23-018 be approved and that all capital or operational financial enhancements, \$254,500 operational and \$165,000 capital be referred to the 2024 budget process for consideration.

**8. Remembrance Day Crosswalk Design for the Stoney Creek Saltfleet  
Memorial and at other Memorial Locations in the City (Item 12.1)**

WHEREAS, Remembrance Day, marks the end of hostilities during the First World War, which ended on the 11th hour of the 11th day of the 11th month in 1918;

WHEREAS, Remembrance Day in Canada honours the service and sacrifice of our Armed Forces, Veterans, and their families, who have served, and continue to serve our country during times of war, conflict and peace. Particularly the First & Second World Wars, the Korean War, and all conflicts since then in which members of the Canadian Armed Forces have participated;

WHEREAS, Since 1921, the Poppy has stood as a national symbol of Remembrance to recognize the sacrifice of soldiers in times of war and is often worn on the left lapel close to the heart. The Poppy is a powerful symbol of Remembrance, worn by millions of Canadians and our Commonwealth partners, each year;

WHEREAS, the Dominion Command of The Royal Canadian Legion has registered the trademark of the Poppy image and the Poppy insignia as a protected mark through an Act of Parliament in 1948;

WHEREAS, any proposed usage of the Poppy symbol must be submitted to and approved by the Dominion Command of The Royal Canadian Legion in compliance with the Legion Poppy Manual; and

WHEREAS, the Stoney Creek Saltfleet Memorial located at the south-west corner of King Street and Queenston Road (Highway 8) was constructed in 1922, in memory of the men of Saltfleet Township, who gave their lives in the First World War and is one of the many locations throughout the City that is used to observe Remembrance Day every November 11th

THEREFORE, BE IT RESOLVED:

- (a) That the Transportation Division contact the Dominion Command of The Royal Canadian Legion and seek permission to use the poppy and/or other significant symbols in the crosswalk on King Street closest to the Stoney Creek Saltfleet Memorial in the name of honoring those who served and continue to serve in the nation's defense; and
- (b) That upon the conclusion of the application process with the Dominion Command of The Royal Canadian Legion the Transportation Division work with Wards 10 and 5 on a final crosswalk design for the Stoney Creek Saltfleet Memorial, and at other memorial locations in the City, to be implemented for Remembrance Day 2024.

**9. Baseball Diamond Improvements to William McCulloch Park, 200 Bonaventure Drive (Ward 14) (Item 12.2)**

WHEREAS, the baseball backstop on Diamond 5 at William McCulloch Park, 200 Bonaventure Drive, has deteriorated and would benefit from replacement;

WHEREAS, lighting one of the baseball diamonds, subject to public engagement and feasibility would extend the programming opportunities at this park;

WHEREAS, recreational park amenities support valuable opportunities for children, youth and families to be active and play within the Ward 14 neighbourhoods; and

WHEREAS, resources are limited, and this work will be initiated in 2024, scheduled to be completed within 12-24 months, subject to unforeseen challenges such as procurement timing, supply chain issues, weather, or other factors.

THEREFORE, BE IT RESOLVED:

- (a) That the replacement of the baseball backstop (Diamond 5) at William McCulloch Park, 200 Bonaventure Drive, at a cost of \$85,000, including contingency, to be funded from the Ward 14 Capital Re-Investment Reserve (#108064), be approved;
- (b) That the addition of sport lighting to one of the baseball diamonds at William McCulloch Park, 200 Bonaventure Drive, at a cost of \$300,000, including contingency, to be funded from the Ward 14 Capital Re-Investment Reserve (#108064), be approved;
- (c) That \$2,500 be added to the 2025 operating budget to fund the operational impact to the Parks budget for the ongoing electrical costs and maintenance of the new lighting asset; and

- (d) That the General Manager of Public Works be authorized and directed to approve and execute any and all required agreements and ancillary documents, in a form satisfactory to the City Solicitor, related to the replacement of the baseball backstop (Diamond 5) at William McCulloch Park, 200 Bonaventure Drive.

**10. Stop Controls at the Intersection of Hemlock Avenue and Henley Drive  
(Ward 10) (Item 12.3)**

WHEREAS, the City of Hamilton is committed to creating safe neighborhoods and vibrant communities;

WHEREAS, ensuring the safety of both pedestrians and motorists is a priority;  
and

WHEREAS, this request was initiated by resident concerns to the Ward 10 Councillor's Office and confirmed by the Transportation Division after review to be warranted.

THEREFORE, BE IT RESOLVED:

That the Transportation Division be authorized and directed to convert the intersection of Hemlock Avenue and Henley Drive in Ward 10, Hamilton, to an all-way stop and that Schedule 5 of the Traffic By-Law No. 01-215 be amended accordingly.

**12. Victoria Park Tennis Court Replacement, 500 King Street West, Hamilton  
(Ward 1) (Item 12.5)**

WHEREAS, Victoria Park has three tennis courts and a practice pad to serve the community's recreation needs;

WHEREAS, this is a public tennis court amenity, with open access to all residents;

WHEREAS, the existing tennis court amenities at this park have surpassed the useful life cycle and require replacement;

WHEREAS, the proposed 2024 Parks capital commitment towards the project will fund \$110,000; and

WHEREAS, the existing tennis sport lighting has also surpassed the useful life cycle and will be removed as part of the court replacement but not replaced until a future budget source is available.

THEREFORE, BE IT RESOLVED:

- (a) That the replacement of 3 existing tennis courts and practice pad at Victoria Park, 500 King Street West, at a cost of \$500,000 including contingency, be funded from the Ward 1 Capital Re-investment Reserve Account (#108051), be approved;
- (b) That the 2024 Parks capital commitment towards the project will be funded through a \$110,000 appropriation from Project 4402154699 - Tennis and Multi-use Court Rehabilitation Program; and
- (c) That the Mayor and City Clerk be authorized and directed to approve and execute all required agreements and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

**13. Ward 3 Neighbourhood Traffic Calming Enhancements (Added Item 12.7)**

WHEREAS, Vision Zero and Complete Streets principles are used in the City of Hamilton to provide a safer environment for all road users;

WHEREAS, a Complete Streets study of neighbourhoods in Ward 3 has been undertaken to determine the options and methods to improve traffic calming and the application of Vision Zero principals; and

WHEREAS, Ward 3 residents routinely contact the Councillor's office regarding their desire to improve the safety of their neighbourhoods.

THEREFORE, BE IT RESOLVED:

- (a) That the Transportation Division reviews and assess the following roadways to identify traffic calming opportunities, through leveraging the Ward 3 Complete Streets Project, to enhance neighbourhood safety, including but not limited to speed cushions:
  - (i) Cumberland Avenue between Sanford Avenue South and Wentworth Street South;
  - (ii) St. Matthew Street and Cheever Street between Barton Street and Birge Street;
  - (iii) Balsam Avenue between Maplewood Avenue and Cumberland Avenue;
  - (iv) East Avenue between King Street and Barton Street;
  - (v) Kensington Street North between Cannon Street and Roxborough Avenue;

- (vi) Spadina Avenue between Dunsmure Road to King Street; and
  - (vii) The intersection and adjacent roads on all sides of Bishop Park.
  - (b) That the Transportation Division completes the above noted review of roadways listed (i) through (vii) and determines implementation and scheduling details through consultation with the Ward 3 office and that work be funded from the existing remaining available funds from the Ward 3 Complete Streets Capital Project ID #4242009306 and topped off, as required, from the Ward 3 Minor Maintenance Fund Account #4031911603 to a combined upset limit of \$350,000; and
  - (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.
- 14. Stage 3 Phase 2 Glanbrook Landfill Construction (Confidential) (PW23079) (City Wide) (Item 15.1)**

That Report PW23079, respecting Stage 3 Phase 2 Glanbrook Landfill Construction (Confidential), be received and remain confidential.

**FOR INFORMATION:**

**(a) APPROVAL OF AGENDA (Item 2)**

The Committee Clerk advised of the following changes to the agenda:

**5. COMMUNICATIONS**

- 5.1 Correspondence from Elizabeth Knight respecting Support for Bike Lanes

**6. DELEGATION REQUESTS**

- 6.1 Erin Davis respecting bike lanes and public consultation on road works (for today's meeting) - WITHDRAWN
- 6.4 Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Outstanding Business List Item) (Item 8.1) (for today's meeting)
  - (a) Ian Borsuk, Environment Hamilton

(b) Lilly Noble

6.5 Lilly Noble respecting Terms of Reference – Red Hill Business Park to Highway 6 South Conceptual Link (PED23246) (City Wide) (Item 9.1) (for today's meeting)

**8. STAFF PRESENTATIONS**

8.2 Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Outstanding Business List Item) REVISED

(b) Staff Presentation

8.3 Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (PW23077) (City Wide) (Outstanding Business List Item)

(a) Staff Presentation

**13. NOTICES OF MOTION**

13.2 Ward 3 Neighbourhood Traffic Calming Enhancements

**CHANGES TO THE ORDER OF ITEMS:**

12.4 Wild Waterworks Commercial Opportunities and Strategic Review (Ward 5) - to be considered immediately following Item 9.2.

The Agenda for the December 4, 2023 Public Works Committee meeting was approved, as amended.

**(b) DECLARATIONS OF INTEREST (Item 3)**

There were no declarations of interest.

**(c) APPROVAL OF MINUTES OF PREVIOUS MEETING (Item 4)**

**(i) November 13, 2023 (Item 4.1)**

The Minutes of the November 13, 2023 meeting of the Public Works Committee were approved, as presented.

**(d) COMMUNICATIONS (Item 5)**

**(i) Correspondence from Elizabeth Knight respecting Support for Bike Lanes (Item 5.1)**

The correspondence from Elizabeth Knight respecting Support for Bike Lanes, was received.

**(e) DELEGATION REQUESTS (Item 6)**

**(i) The Delegation Requests were approved, as follows:**

- (i) Tara McFadyen respecting Crime Prevention Through Environmental Design (CPTED) Recommendation Report (PW23075) (City Wide) (Outstanding Business List Item) (Item 11.4) (for today's meeting) (Item 6.2)**
- (ii) David Antunes respecting the HSR Fare Assist Program (for a future meeting) (Item 6.3)**
- (iii) Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Outstanding Business List Item) (Item 8.2) (for today's meeting) (Item 6.4)**
  - (a) Ian Borsuk, Environment Hamilton (Item 6.4(a))**
  - (b) Lilly Noble (Item 6.4(b))**
- (iv) Lilly Noble respecting Terms of Reference – Red Hill Business Park to Highway 6 South Conceptual Link (PED23246) (City Wide) (for today's meeting) (Item 9.1) (Item 6.5)**

**(f) DELEGATIONS (Item 7)**

**(i) Tara McFadyen respecting Crime Prevention Through Environmental Design (CPTED) Recommendation Report (PW23075) (City Wide) (Item 11.4) (Outstanding Business List Item) (Item 7.1)**

Tara McFadyen addressed the Committee respecting Crime Prevention Through Environmental Design (CPTED) Recommendation Report (PW23075) (City Wide) (Item 11.4) (Outstanding Business List Item).

**(ii) Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Item 8.2) (Outstanding Business List Item) (Item 7.2)**

**(a) Ian Borsuk, Environment Hamilton (Item 7.2(a))**

Ian Borsuk, Environment Hamilton addressed the Committee respecting Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Item 8.2) (Outstanding Business List Item)

**(b) Lilly Noble (Item 7.2(b))**

Lilly Noble was not present when called upon.

**(iii) Lilly Noble respecting Terms of Reference – Red Hill Business Park to Highway 6 South Conceptual Link (PED23246) (City Wide) (Item 9.1) (for today's meeting) (Item 7.3)**

Lilly Noble was not present when called upon.

The following Delegations were received:

- (i) Tara McFadyen respecting Crime Prevention Through Environmental Design (CPTED) Recommendation Report (PW23075) (City Wide) (Item 11.4) (Outstanding Business List Item) (Item 7.1)
- (ii) Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Item 8.2) (Outstanding Business List Item) (Item 7.2)

**(a) Ian Borsuk, Environment Hamilton (Item 7.2(a))**

**(g) STAFF PRESENTATIONS (Item 8)**

**(i) Litter Management Service Enhancements (PW23076) (City Wide) (Item 8.1)**

Joel McCormick, Manager - Waste Collections, addressed the Committee respecting Litter Management Service Enhancements (PW23076) (City Wide), with the aid of a PowerPoint presentation.

The presentation from Joel McCormick, Manager - Waste Collections, respecting Litter Management Service Enhancements (PW23076) (City Wide), was received.



For further disposition of the matter, refer to Item 1.

**(ii) Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Outstanding Business List Item) (Item 8.2)**

- (a)** Mike Field, Manager - Transportation Operations, addressed the Committee respecting Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Outstanding Business List Item), with the aid of a PowerPoint presentation.

The presentation from Mike Field, Manager - Transportation Operations, respecting Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations (PW23074/PED23248) (City Wide) (Outstanding Business List Item), was received.

- (b) (i) *That Report PW23074/PED23248, respecting Main Street Two-Way Conversion Implementation and One-way Street Conversion Considerations, be DEFERRED to the February 5, 2024 meeting of the Public Works Committee; and***
- (ii) *That staff be directed to report back to the Public Works Committee on February 5, 2024 on the following:***
- (1) *Quantify the core capital investment required to convert Main Street to two way traffic, exclusive of necessary and already programmed capital works, AODA compliance upgrades, any other necessary or contemplated upgrades, reconstruction and rehabilitation capital works and residual lifecycle infrastructure renewal costs.***
  - (2) *Provide further quantification of the assessment of the Main Street two-way evaluation criteria versus prioritizing eastbound vehicular traffic capacity in the recommended Option 3.***
  - (3) *Provide options to implement Council's direction of Main Street two way traffic conversion within two years and/or prior to the initiation of LRT corridor construction by prioritizing core two-way***

*conversion lane re-alignments, intersection and signal upgrades, and corridor upgrades necessary for implementation with further corridor upgrades, resurfacing and other capital rehabilitation work phased over the following four to six years.*

- (4) Meet with impacted and interested Ward Councillors with Public Works staff and consulting engineering team.**

- (iii) Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (PW23077) (City Wide) (Outstanding Business List Item) (Item 8.3)**

Carolyn Ryall, Director of Transportation, addressed the Committee respecting Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (PW23077) (City Wide) (Outstanding Business List Item, with the aid of a PowerPoint presentation.

The presentation from Carolyn Ryall, Director of Transportation, respecting Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (PW23077) (City Wide) (Outstanding Business List Item, was received.

For further disposition of this matter, refer to Item 2.

**(g) DISCUSSION ITEMS (Item 11)**

- (i) Wild Waterworks and Confederation Beach Park - Future Direction (PW23067) (Ward 5) (Item 11.1)**

*That Report PW23067 respecting Wild Waterworks and Confederation Beach Park - Future Direction, be DEFERRED to a meeting of the Public Works Committee in Q4 2024.*

**(h) MOTIONS (Item 12)**

- (i) Ferguson Station Fence Improvements, 244 King Street East (Ward 2) (Item 12.6) – WITHDRAWN**

**(i) NOTICES OF MOTION (Item 13)**

Councillor M. Wilson, in Councillor Spadafora's absence, introduced the following Notice of Motion:

**(i) Road Rehabilitation on Argon Court, Elsa Court, Glenhaven Drive, Greendale Drive, Gretna Court, Sonesto Court, Trevi Road, Hamilton (Ward 14) (Item 13.1)**

WHEREAS, Argon Court, Elsa Court, Glenhaven Drive, Greendale Drive, Gretna Court, Sonesto Court, Trevi Road, all in Ward 14, are in need of road rehabilitation to extend the life of these roadways and therefore improve service levels and reduce maintenance costs.

THEREFORE, BE IT RESOLVED:

- (a) That Public Works staff be authorized and directed to rehabilitate the road and associated concrete works on Argon Court, Elsa Court, Glenhaven Drive, Greendale Drive, Gretna Court, Sonesto Court, Trevi Road;
- (b) That all costs associated with the road resurfacing scope of work be funded from the Ward 14 Capital Re-Investment Reserve Fund #108064 at an upset limit, including contingency, not to exceed \$1,500,000, with design anticipated to commence in 2024 and construction to be completed in 2025, on the following roads:
  - (i) Argon Court from Glenhaven Drive to the east terminus of Argon Court;
  - (ii) Elsa Court from Greendale Drive to the south terminus of Elsa Court;
  - (iii) Glenhaven Drive from Cranbrook Drive to Greenshire Drive;
  - (iv) Greendale Drive from Cranbrook Drive to Garrow Drive;
  - (v) Gretna Court from Cranbrook Drive to the south terminus of Gretna Court;
  - (vi) Sonesto Court from Trevi Road to the south terminus of Sonesto Court;
  - (vii) Trevi Road from Guildwood Drive to Upper Paradise Road;and
- (c) That the Mayor and City Clerk be authorized and directed to execute any required agreement(s) and ancillary documents, with such terms and conditions in a form satisfactory to the City Solicitor.

Councillor Nann relinquished the Chair to Councillor Pauls.

**(ii) Ward 3 Neighbourhood Traffic Calming Enhancements (Added Item 13.2)**

The Rules of Order were waived to allow for the introduction of a Motion respecting Ward 3 Neighbourhood Traffic Calming Enhancements.

For further disposition of this matter, refer to Item 13.

Councillor Nann assumed the Chair.

**(j) GENERAL INFORMATION / OTHER BUSINESS (Item 14)**

**(i) Amendments to the Outstanding Business List (Item 14.1)**

The following amendments to the Public Works Committee's Outstanding Business List, were approved:

**(1) Items Considered Complete and Needing to be Removed: (Item 14.1(a)):**

- (i) Winterizing Public Washrooms - Winter Operations (Item 14.1(a)(a))**  
Item on OBL: AEE  
Addressed as Item 9.2 (PW21031(c)) (on today's agenda)
- (ii) Crime Prevention Through Environmental Design Review of the City-Owned Escarpment Staircases (Item 14.1(a)(b))**  
Item on OBL: ADP  
Addressed as Item 11.3 (PW23075) (on today's agenda)
- (iii) Review of Level of Service for Winter Control in Alignment with the Principles of Vision Zero (Item 14.1(a)(c))**  
Item on OBL: ADN  
Addressed as Item 8.3 (PW23077) (on today's agenda)

**(2) Items Requiring a New Due Date (Item 14.1(b)):**

- (i) Implementation plan for the two-way conversion of Main Street (Item 14.1(b)(a))**  
Item on OBL: ACW  
Current Due Date: December 4, 2023  
Proposed New Due Date: February 5, 2024

- (ii) Reassessment of one-way streets (Item 14.1(b)(b))  
Current Due Date: December 4, 2023  
Proposed New Due Date: February 5, 2024

**(k) PRIVATE AND CONFIDENTIAL (ITEM 15)**

Committee determined that discussion of Item 15.1 was not required in Closed Session; therefore, the matter was addressed in Open Session, as follows:

**(i) Stage 3 Phase 2 Glanbrook Landfill Construction (Confidential)  
(PW23079) (City Wide)**

For further disposition of this matter, refer to Item 14.

**(l) ADJOURNMENT (Item 16)**

There being no further business, the meeting adjourned at 6:18 p.m.

Respectfully submitted,

Councillor N. Nann, Chair,  
Public Works Committee

Carrie McIntosh  
Legislative Coordinator  
Office of the City Clerk

# **CITY OF HAMILTON**

**2024**

**ADVISORY COMMITTEES**

**BUDGET SUBMISSION FORM**

<b>HAMILTON CYCLING ADVISORY COMMITTEE</b>
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## PART A: General Information

### PAST ADVISORY COMMITTEE MEMBERS:

Roman Caruk	Kate Berry
Jane Jamnik	Sharon Gibbons
Ann McKay	William Oates
Cora Muis	Gary Rogerson
Chris Ritsma	Dan van den Beukel
Kevin Vander Meulen	Christine Yachouh

### MANDATE:

- all matters related to cycling and micro-mobility
- monitors the implementation of the Hamilton Cycling Master Plan
- encourages and participates in planning for bicycling and micro-mobility facilities
- encourages citizens to cycle instead of drive
- educates the public about the benefits and necessities of cycling
- integrates the work of area municipal bicycle and active transportation committees

## PART B: Strategic Planning

### STRATEGIC OBJECTIVES:

The Committee's goals are:

- Monitor and support progress in implementing the Cycling Master Plan
- Ensure community input on specific details associated with implementing the Cycling Master Plan
- Ensure that cycling needs are emphasized in all transportation related decisions
- Encourage legislation and policy changes that are supportive of cycling and sustainable mobility
- Promote cycling and micro-mobility for transportation and recreation through relevant events
- Educate the public on the benefits, necessities, and safety aspects of cycling
- Assist in establishing secure, adequate bicycle and scooter parking facilities
- Represent the cycling community at City of Hamilton sponsored functions/events
- Encourage the formation of, and liaise with other municipal cycling and active transportation committees
- Foster a mutual respect between cyclists and other road users

Please check off which Council approved Strategic Commitments your Advisory Committee supports

1) Community Engagement & Participation	<input checked="" type="checkbox"/>	2) Economic Prosperity & Growth	<input checked="" type="checkbox"/>
3) Healthy & Safe Communities	<input checked="" type="checkbox"/>	4) Clean & Green	<input checked="" type="checkbox"/>
5) Built Environment & Infrastructure	<input checked="" type="checkbox"/>	6) Culture & Diversity	<input checked="" type="checkbox"/>
7) Our People & Performance	<input checked="" type="checkbox"/>		

**ALIGNMENT WITH CORPORATE GOALS:****PART C: Budget Request****INCIDENTAL COSTS:**

Meeting Expenses	\$1,000
<b>SUB TOTAL</b>	<b>\$1,000</b>

**SPECIAL EVENT/PROJECT COSTS:**

Social Media Campaign	\$500
Special Projects	\$5,000
Tourism Promotions - supporting Ontario By Bike	\$500
Supporting Community Events to Raise Awareness for Cycling	\$3,000
Special Committee Cycling Events	\$2,000
Training, Conferences and Memberships	\$2,000
<b>SUB TOTAL</b>	<b>\$13,000</b>

<b>TOTAL COSTS</b>	<b>\$14,000</b>
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<b>Funding from Advisory Committee Reserve (only available to Advisory Committees with reserve balances)</b>	<b>\$4,000</b>
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<b>TOTAL 2024 BUDGET REQUEST (net of reserve funding)</b>	<b>\$10,000</b>
<b>PREVIOUS YEAR (2023) APPROVED BUDGET (2023 Request \$14,000)</b>	<b>\$14,000</b>



**CERTIFICATION:**

Please note that this document is a request for a Budget from the City of Hamilton Operating budget. The submission of this document does not guarantee the requested budget amount. Please have a representative sign and date the document below.

**Representative Name: Chris Ritsma**

**Signature:** 

**Date: October 9, 2023**

## HAMILTON POLICE SERVICE

# CPTED PROPERTY AUDIT

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Cst. Ryan Clarke #317  
905-546-1577  
[rclarke@hamiltonpolice.on.ca](mailto:rclarke@hamiltonpolice.on.ca)



### **Statement of purpose:**

Crime Prevention Through Environmental Design, or CPTED as it is more commonly known, is a proactive design technique that believes that the proper design and effective use of the built environment can lead to a reduction in the fear and incidence of crime, **as well as an improvement in the quality of life.**

The CPTED recommendations prepared for your site are not intended to make your site “vandal-proof”, “assault-proof”, “bomb-proof” etc. They **are intended to improve the function of the space** while addressing a number of safety and security issues by providing ways to improve your property’s natural surveillance, natural access control and territoriality.

Implementation of the enclosed recommendations should not be fragmented. Many times the incorporation of one phase depends upon the implementation of other security recommendations and failure to utilize the systems approach can breach all elements of the system.

### **Overview of CPTED:**

CPTED's underlying objective is to help various disciplines do a better job of achieving their primary objectives, with the added by-product of improved security and loss prevention. This objective is based upon the belief that crime and loss is a by-product of human functions that are not working.

How does CPTED differ from traditional crime fighting techniques?

CPTED's emphasis is based on design and use. In this way, it deviates from the traditional target hardening approach to crime prevention.

The target-hardening approach traditionally focused on denying access to a crime target through physical or artificial barriers (such as locks, alarms, fences and gates). This approach often overlooked the opportunities for natural access control and surveillance while placing a constraint on the use, access and enjoyment of the hardened environment.

CPTED emphasizes and exploits these lost opportunities through the development of three overlapping CPTED strategies. These strategies are:

- \*Natural Surveillance
- \*Natural Access Control
- \*Territorial Reinforcement

Natural Surveillance is a design strategy that is directed primarily at keeping intruders under observation.

Natural Access Control is a design strategy that is directed at decreasing crime opportunity.

Territorial Reinforcement is a design strategy that realizes that physical design can create or extend a sphere of influence so that users develop a sense of proprietorship or territoriality.

**Chedoke Stairs  
Hamilton Ontario**

**Audit prepared by: Hamilton Police Service - Crime Prevention Branch**

Cst. Ryan Clarke #317  
905-546-1577  
[rclarke@hamiltonpolice.on.ca](mailto:rclarke@hamiltonpolice.on.ca)

Date of Audit: 2020-06-06 - Daylight Hours

This document has been created as a result of the Hamilton Police Service receiving a request for a CPTED Audit. CPTED is an acronym for Crime Prevention through Environmental Design and it is the philosophy of a multi-channelled approach to deterring criminal behaviour by utilizing the community (people), structural design and the natural environment. Essentially, CPTED is used promote the target hardening of any location by using its own environment in the process. Police were accompanied by Brian Hughes, Supervisor, Parks North Public Works Environmental Services, City of Hamilton.

There are 5 escarpment stairs that connect the lower City to the upper City. The Chedoke Stairs are located between Beddoe Dr and the corner of Upper Paradise Rd. and Scenic Dr.

The Chedoke Stairs were built to accommodate 2 lanes as well as 2 bike troughs. These are widely known as the busiest steps in the City. They are within 1 kilometer of the Dundurn Stairs, and both are often used together for exercising.

The stairs are mostly located in a forested area, allowing people to loiter and utilize the environment for illegal activities. There is a history of assaults on the stairs, both physical and sexual in nature. The stairs are used by commuters and exercise enthusiasts. There is a maintenance building located close to the stairs as well as a parking lot. The purpose of the audit is to find the best way to continue encouraging the positive use of the escarpment stairs in Hamilton and deter the illegal and criminal activities which occur in the park.

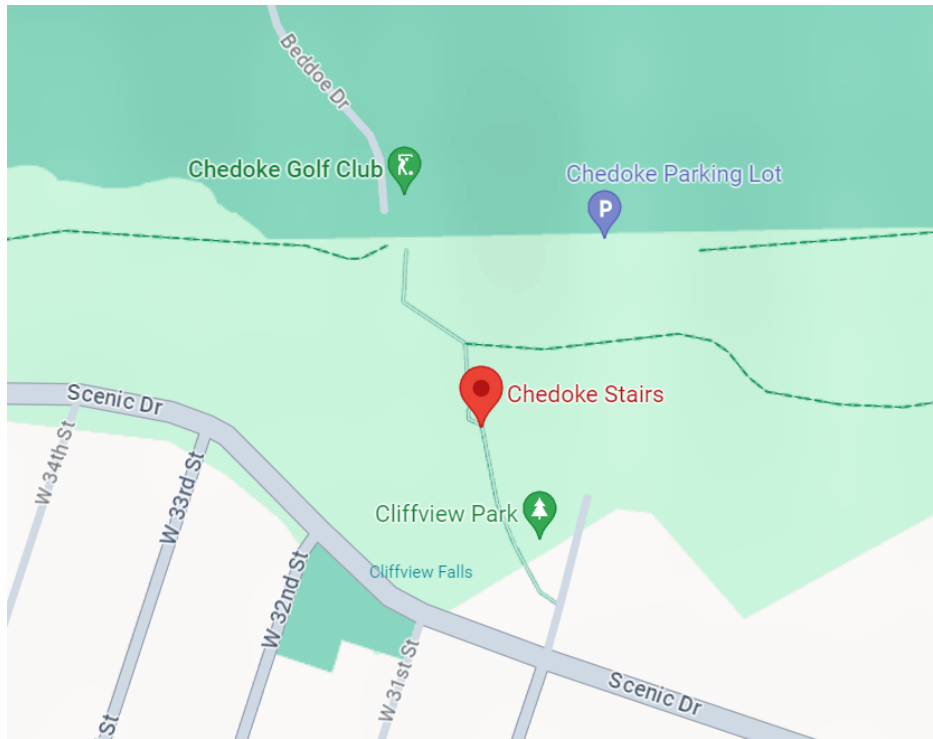


Image taken on June 6 at the bottom of the Chedoke Stairs.



During the audit the following observations were made:

**Natural Surveillance:**

All trees in the open space around the stairs should be trimmed up 7 feet from the ground to allow for clear sight lines. Any foliage overhanging the stairs and handrails should be pruned. Shrubbery adjacent to the stairs should be trimmed to a maximum of 3 feet high to prevent people from hiding behind them. When new trees and shrubs are added to increase the overall canopy across the City, plant material should be carefully selected as to not create more hidden hazards. Some examples of this include trees that grow tall and narrow with minimal low hanging branches and low growing shrubs that don't affect sight line issues.

Recommendation: all bushes or hedges that line a chain-linked fence at the upper entrance are removed, such as seen in the image below. As they are right now, they prohibit Police or any witnesses from having clear sight lines into that area of the property. Thus, they are creating an environment conducive for criminal activities and trespassers.







The approach to the lower entrance to the stairs is not visible from the parking lot due to overgrowth of trees and shrubs. These should be trimmed back. The area around the parking lot should be trimmed back into the slope at least 8' in order to improve sight lines and prevent foliage from covering parking signage. There is a Manitoba maple currently leaning over the parking lot. This should be removed.





Trees need to be trimmed that are growing over the stairs and handrails.







The approach to the upper entrance to the stairs has good sight lines. There is some vegetation growing through the chain-link fence. This can be pruned back. The garbage cans should be relocated further from the stairs. This will eliminate a potential concealment area.





**Buildings:** There is a lot of debris around the maintenance building. Dead wood and standing dead trees should be removed and disposed.





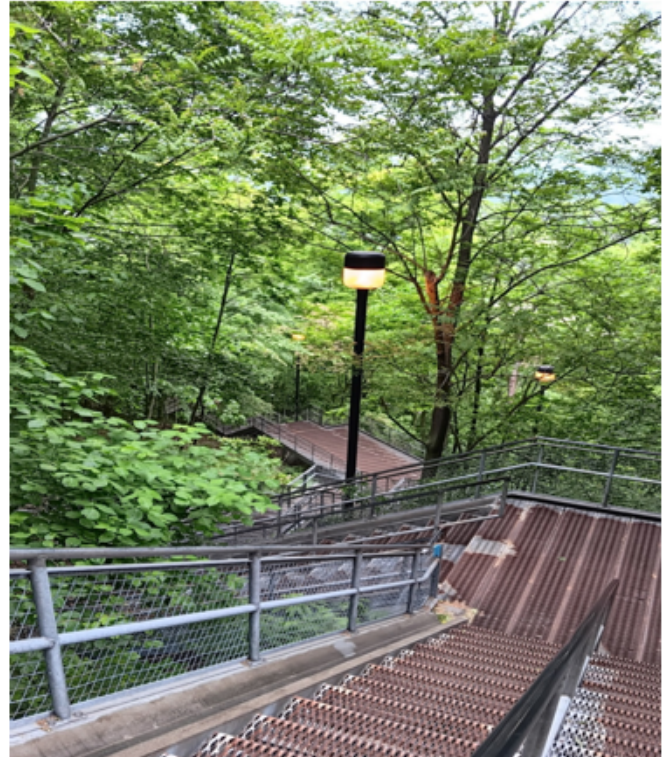
**Buildings:** There are areas of concealment around the maintenance building. Overgrown shrubs should be trimmed or removed to improve sight lines.





Signage: Signage can help establish territory and can clearly distinguish private from public property. With signs being properly displayed throughout the property, this helps to eliminate the “I did not know” excuse for trespassers and loiterers alike. The signs currently posted in the lower access parking lot are being covered by vegetation.

Recommendation to clear vegetation overgrowth.



**Lighting:** One of the most important components of CPTED is lighting. Effective lighting allows for natural surveillance by providing the ability for people to see. It can also generate witness potential by giving people a reason to look. There are many different types of lighting available and the goal is to select a light type that is appropriate for the area. The area should be well illuminated without creating a visual nuisance for onlookers. It should also be placed along the stairs so that all hidden areas are illuminated to reduce people gathering or hiding. All pathways should be illuminated as well to provide a secure environment for those walking near and through the park. The spacing of the lights should be that there are no blind spots or shaded areas along buildings and paths. To reduce cost motion activated lights can be installed in some areas that only come on when there is motion or people walking through the area. Maintenance is also a consideration with a good lighting plan to replace broken lights and burned out bulbs on a regular schedule. All lighting should be installed to light from the inside out and with protection to stop vandals and damage; deterring crime. When an area is well-lit, people who wish to engage in illegal activities will tend to move to darker more discrete areas. Studies have shown that graffiti and other activities happen more often in dark unlit areas. While climbing the stairs we found lights that were turned on and lights that were not operational.

Recommendation: Replace halogen lighting with LEDs. Ensure that lights are in proper working order.

### **Territoriality and the “Broken Window Theory”:**

Factors affecting territoriality are what creates a defensible or ambiguous space. The Broken Window Theory can be easily related to the lack of territoriality at a given location where crime has occurred.

The “Broken Window Theory” states that when a property or building appears to have lack of pride, no ownership or has property in need of desperate repair, it becomes an easy target to thieves, loitering, and other criminal activities.

Recommendation: Keep up with the maintenance of all areas of the stairs. Remove dead trees or broken equipment in an attempt to maintain the overall appearance of the park in an attempt to deter criminal activities. .

Graffiti – Graffiti is a common issue in many major cities. This is not only a cost to the city, it also takes away from the clean image which the City is attempting to portray in its parks. The light standards have become a target for graffiti. Regular maintenance and inspections should be completed to clean up graffiti.



#### Overall Recommendations:

- Regular maintenance including pruning of trees to restrict foliage over the stairs.
- Improve site lines from the street including the removal of undesirable shrubs and overhanging trees in order to increase visibility
- Removal of overhanging foliage over the stairs and along both handrails.
- Regular maintenance of stair lighting to ensure proper illumination and light distribution.
- Removal of graffiti on light standards.
- Ensure signage is current.
- Install signage to identify the site location to ensure a rapid response by emergency services.



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If there are any questions, please feel free to contact the writers.

Report Completed by: Cst. Ryan Clarke # 317

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**Dundurn Stairs  
Hamilton Ontario**

**Audit prepared by: Hamilton Police Service - Crime Prevention Branch**

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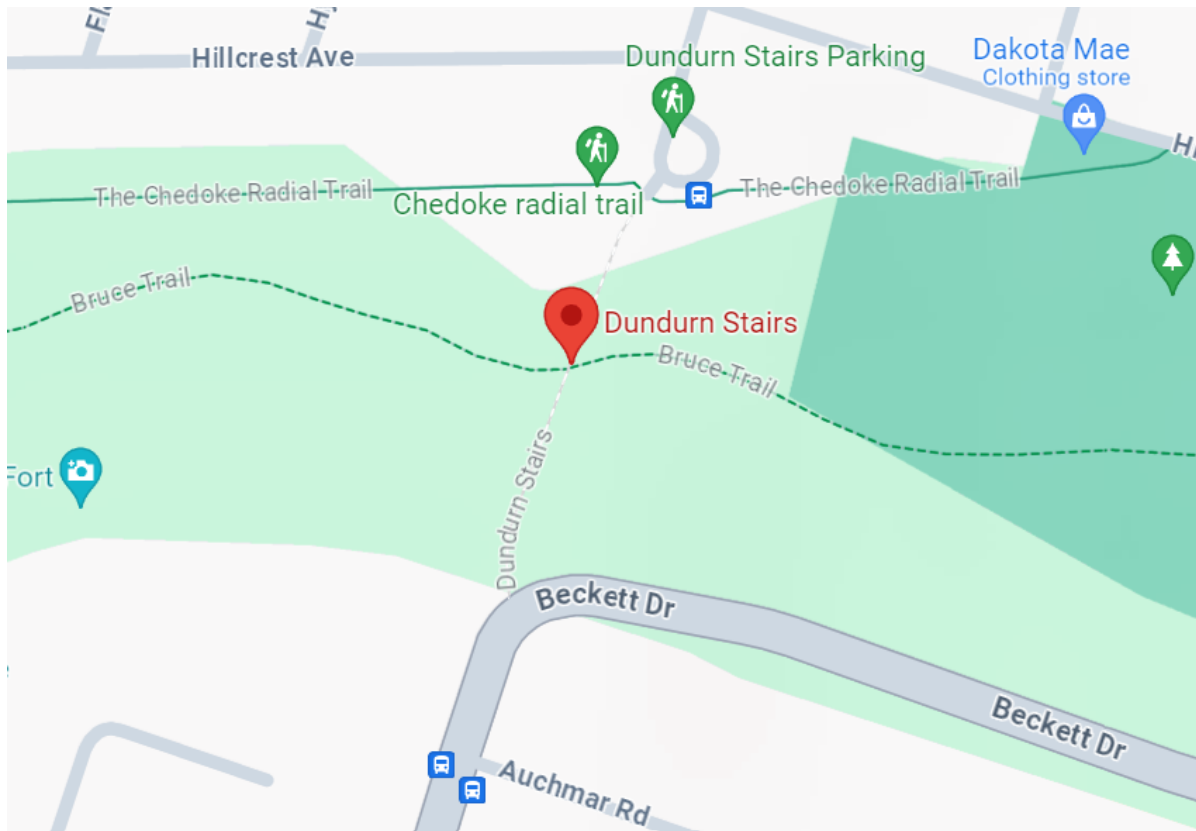
Date of Audit: 2023-06-06 - Daylight Hours

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There are 5 Escarpment stairs that connect the lower City to the upper City. The Dundurn Stairs start at the corner of Dundurn St. S. and Hillcrest Ave. and ends at the corner of Garth St. and Beckett Dr. (Queen Street Hill).

The Dundurn Stairs were originally wooden stairs until the 1990's when they were replaced with metal stairs. These stairs are located within 1 kilometer of the Chedoke Stairs and both are often used together for commuting and exercise. The base of the stairs connects with the Chedoke Radial Trail. The Bruce Trail cuts across the stairs about halfway up creating an additional access point.

The stairs are mostly located in a forested area, allowing people to loiter and utilize the environment for illegal activities. There is a history of assaults on the stairs, both physical and sexual in nature. The stairs are used by commuters and exercise enthusiasts. The purpose of the audit is to find the best way to continue encouraging the positive use of the escarpment stairs in Hamilton and deterring the illegal and criminal activities which occur on the stairs.



Google Street view at the bottom of the Dundurn Stairs.



During the audit, the following observations were made:

**Natural Surveillance:**

All trees in the open space around the stairs should be trimmed up 7 feet from the ground to allow for clear sight lines. Any foliage overhanging the stairs and handrails should be pruned. Shrubbery adjacent to the stairs should be trimmed to a maximum of 3 feet high to prevent people from hiding behind them. When new trees and shrubs are added to increase the overall canopy across the City, plant material should be carefully selected as to not create more hidden hazards. Some examples of this include trees that grow tall and narrow with minimal low hanging branches and low growing shrubs that don't affect sight line issues.

Recommendation: Vegetation could be thinned to improve visibility.







Regular maintenance should be completed at this site. There is a lot of vegetation along the side of the stairs that will need to be thinned, as seen above. Vegetation at the top of the stairs (below) is overhanging the wall. This can be a location for hiding. This should be pruned to allow for ample walking space.



Google Street view at the top of the Dundurn Stairs.





**Alternate Access Point:** About halfway up there is an access point for the Bruce Trail to cross the Dundurn Stairs. This access point is a concern as this can be a concealment area and it leads to a forest path.

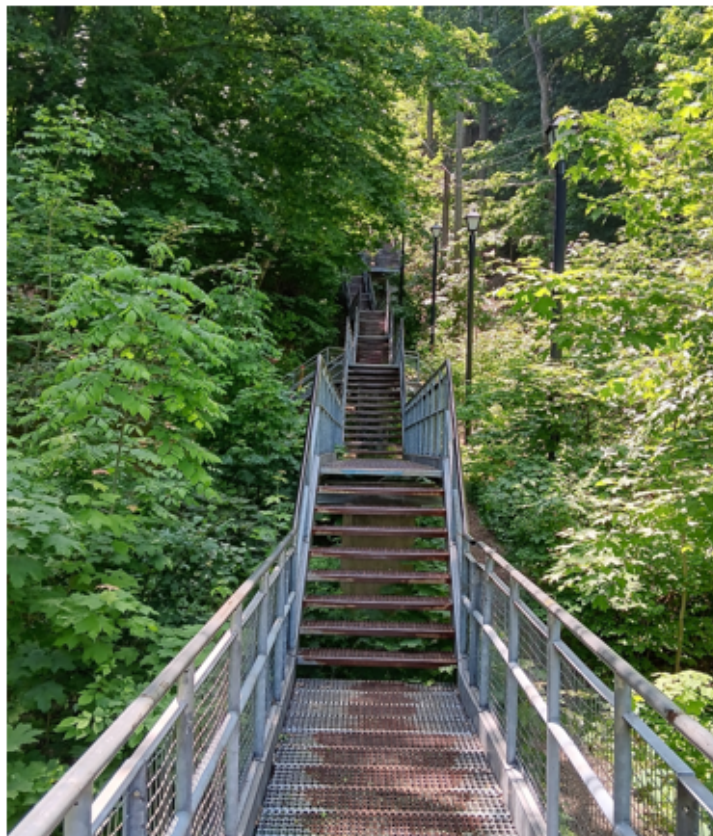


**Recommendation:** Install additional lighting to allow for more illumination in hidden areas.





Graffiti – Graffiti is a common issue in many major cities. This is not only a cost to the city, it also takes away from the clean image which the City is attempting to portray in its parks. The light standards have become a target for graffiti. Regular maintenance and inspections should be completed to clean up graffiti.



**Lighting:** One of the most important components of CPTED is lighting. Effective lighting allows for natural surveillance by providing the ability for people to see. It can also generate witness potential by giving people a reason to look. There are many different types of lighting available and the goal is to select a light type that is appropriate for the area. The area should be well illuminated without creating a visual nuisance for onlookers. It should also be placed along the stairs so that all hidden areas are illuminated to reduce people hiding and to provide a secure environment for those climbing. The spacing of the lights should be that there are no blind spots or shaded areas along buildings and paths. To reduce cost motion activated lights can be installed in some areas that only come on when there is motion or people walking through the area. Maintenance is also a consideration with a good lighting plan to replace broken lights and burned out bulbs on a regular schedule. All lighting should be installed to light from the inside out and with protection to stop vandals and damage; deterring crime. When an area is well-lit, people who wish to engage in illegal activities will tend to move to darker more discrete areas. Studies have shown that graffiti and other activities happen more often in dark unlit areas.

Recommendation: Have an official lighting audit conducted for the Bruce Trail access to the stairs. Install LED lights to further illuminate the area if necessary and possibly put these lights on a sensor so they only operate while people are walking in the area to minimize the impact of lighting on the natural area. Ensure that foliage is pruned to allow for increased visibility (bottom of previous page).

### **Territoriality and the “Broken Window Theory”:**

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Recommendation: Keep up with the maintenance of all areas of the stairs. Remove dead trees or broken assets in an attempt to maintain the overall appearance of the park in an attempt to deter criminal activities.



### Overall Recommendations:

- Regular maintenance including pruning of trees to restrict foliage over the stairs.
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- Regular maintenance of stair lighting to ensure proper illumination and light distribution.
- Removal of graffiti on light standards.
- Ensure signage is current.
- At the end of the stairs life cycle (Capital replacement), consideration should be made for widening the stairs to allow pedestrians to safely pass each other and add improvements such as a bike trough and a railing to separate the two lanes.
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Report Completed by: Cst. Ryan Clarke #317

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## HAMILTON POLICE SERVICE

# CPTED PROPERTY AUDIT

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**James Street Stairs  
Hamilton Ontario**

**Audit prepared by: Hamilton Police Service - Crime Prevention Branch**

Cst. Ryan Clarke #317  
905-546-1577  
[rclarke@hamiltonpolice.on.ca](mailto:rclarke@hamiltonpolice.on.ca)

Date of Audit: 2023-06-06 - Daylight Hours

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There are 5 Escarpment stairs that connect the lower City to the upper City. The James Street Stairs starts near James St. S. and James Mountain Rd. and ends at the Claremont Access.

The James Street Stairs are built on the site of Hamilton's first incline railway. The railway was replaced with wooden stairs. The current metal stairs were built in 1987 and follows the path of the original railway.

The stairs are mostly located in a forested area, allowing people to loiter and utilize the environment for illegal activities. There is a history of assaults on the stairs, both physical and sexual in nature. The stairs are used by commuters and exercise enthusiasts. The purpose of the audit is to find the best way to continue encouraging the positive use of the escarpment stairs in Hamilton and deterring the illegal and criminal activities which occur on the stairs.

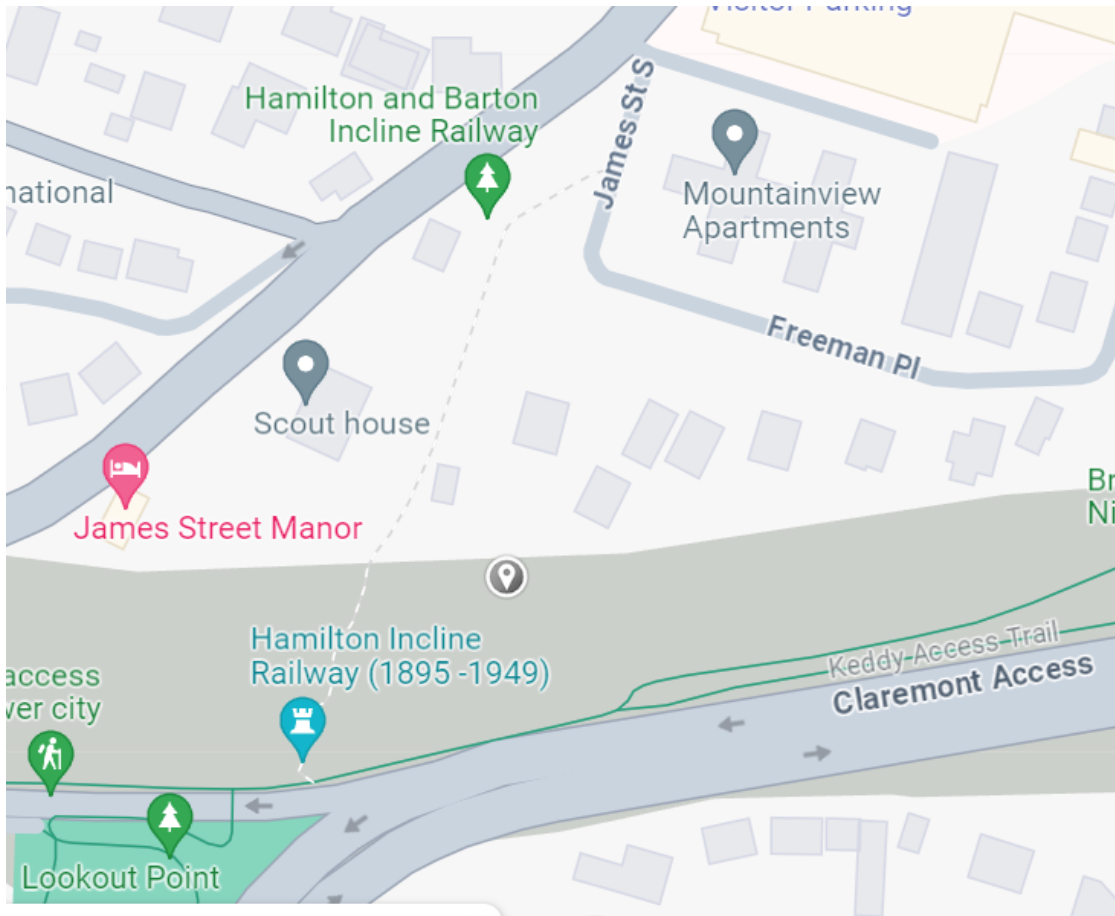


Photo taken at the bottom of the James Street Stairs.





During the audit the following observations were made:

**Natural Surveillance:**

All trees in the open space around the stairs should be trimmed up 7 feet from the ground to allow for clear sight lines. Any foliage overhanging the stairs and handrails should be pruned. Shrubbery adjacent to the stairs should be trimmed to a maximum of 3 feet high to prevent people from hiding behind them. When new trees and shrubs are added to increase the overall canopy across the City, plant material should be carefully selected as to not create more hidden hazards. Some examples of this include trees that grow tall and narrow with minimal low hanging branches and low growing shrubs that don't affect sight line issues.

Recommendation: Vegetation could be thinned to improve visibility. There is a lot of overhanging trees and foliage growing through the chain link fence. This should be removed or pruned.





Regular maintenance should be completed at this site. There is a lot of vegetation along the side of the stairs that will need to be thinned, as seen above and below.







**Blind Corner:** At the bottom of the stairs, there is a blind corner. This is a safety hazard due to low lighting and restricted visibility by way of a wooden fence.

**Street Crossing:** Access to the James Street Stairs requires users to jaywalk across James St. S.



**Recommendation:** Rebuild this section of the stairs to eliminate the corner. This will ensure good visibility straight up the stairs and users will cross the street at a proper intersection with a stop sign.





Photo from Google Street view.

Graffiti – Graffiti is a common issue in many major cities. This is not only a cost to the city, it also takes away from the clean image which the City is attempting to portray in its parks. The light standards have become a target for graffiti. Regular maintenance and inspections should be completed to clean up graffiti.



Photo by Smart Commute Hamilton. Top access of stairs shows vegetation covering lighting causing visibility issues.

**Lighting:** One of the most important components of CPTED is lighting. Effective lighting allows for natural surveillance by providing the ability for people to see. It can also generate witness potential by giving people a reason to look. There are many different types of lighting available and the goal is to select a light type that is appropriate for the area. The area should be well illuminated without creating a visual nuisance for onlookers. It should also be placed along the stairs so that all hidden areas are illuminated to reduce people hiding and to provide a secure environment for those climbing. The spacing of the lights should be that there are no blind spots or shaded areas along buildings and paths. To reduce cost motion activated lights can be installed in some areas that only come on when there is motion or people walking through the area. Maintenance is also a consideration with a good lighting plan to replace broken lights and burned out bulbs on a regular schedule. All lighting should be installed to light from the inside out and with protection to stop vandals and damage; deterring crime. When an area is well-lit, people who wish to engage in illegal activities will tend to move to darker more discrete areas. Studies have shown that graffiti and other activities happen more often in dark unlit areas.

Recommendation: Ensure that foliage is pruned to allow for increased visibility (bottom of previous page).

### **Territoriality and the “Broken Window Theory”:**

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Territorial Reinforcement is a design strategy that realizes that physical design can create or extend a sphere of influence so that users develop a sense of proprietorship or territoriality.

**Kenilworth Stairs (aka Kimberly Stairs)  
and Mountain Brow-Margate Stairs  
Hamilton Ontario**

**Audit prepared by: Hamilton Police Service - Crime Prevention Branch**

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Date of Audit: 2023-06-06 - Daylight Hours

This document has been created as a result of the Hamilton Police Service receiving a request for a CPTED Audit. CPTED is an acronym for Crime Prevention through Environmental Design and it is the philosophy of a multi-channelled approach to deterring criminal behaviour by utilizing the community (people), structural design and the natural environment. Essentially, CPTED is used promote the target hardening of any location by using its own environment in the process. Police were accompanied by Brian Hughes, Supervisor, Parks North Public Works Environmental Services, City of Hamilton.

There are 5 Escarpment stairs that connect the lower City to the upper City. The Kenilworth Stairs are located between Kimberly Dr. leading to the Escarpment Rail Trail. The Mountain Brow-Margate Stairs continue scaling the escarpment from the Escarpment Rail Trail and exiting at the corner of Mountain Brow Blvd. and Margate Ave.

The stairs are mostly located in a forested area, allowing people to loiter and utilize the environment for illegal activities. There is a history of assaults on the stairs, both physical and sexual in nature. The stairs are used by commuters and exercise enthusiasts. This year these stairs are the most used across the City. The purpose of the audit is to find the best way to continue encouraging the positive use of the escarpment stairs in Hamilton and deter the illegal and criminal activities which occur on the stairs.



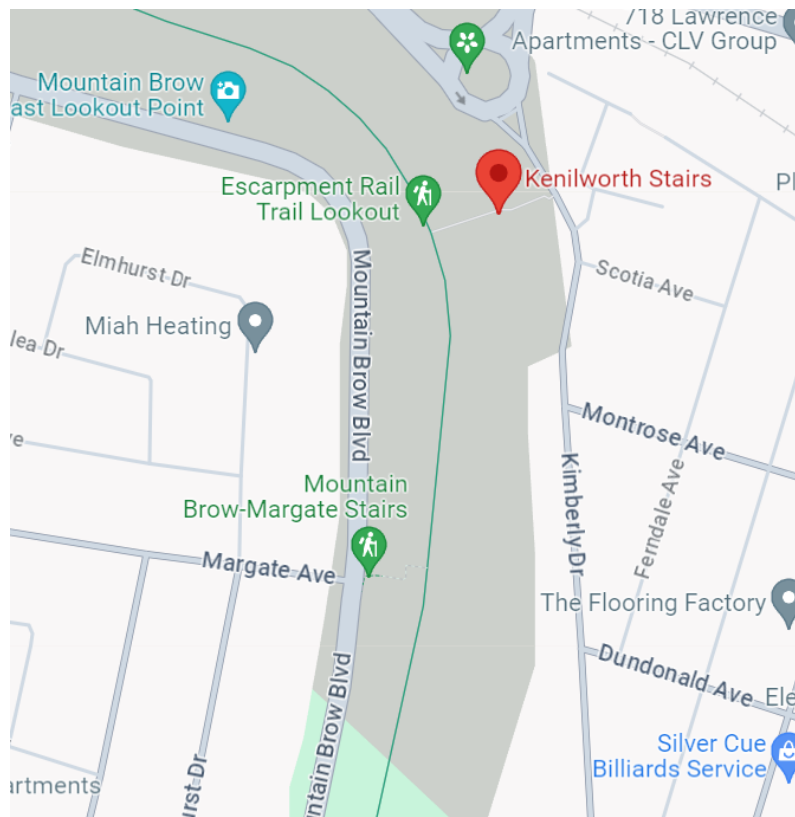


Image taken on June 6 at the top of the Mountain Brow-Margate Stairs.





During the audit the following observations were made:

### **Natural Surveillance:**

All trees in the open space around the stairs should be trimmed up 7 feet from the ground to allow for clear sight lines. Any foliage overhanging the stairs and handrails should be pruned. Shrubbery adjacent to the stairs should be trimmed to a maximum of 3 feet high to prevent people from hiding behind them. When new trees and shrubs are added to increase the overall canopy across the City, plant material should be carefully selected as to not create more hidden hazards. Some examples of this include trees that grow tall and narrow with minimal low hanging branches and low growing shrubs that don't affect sight line issues.

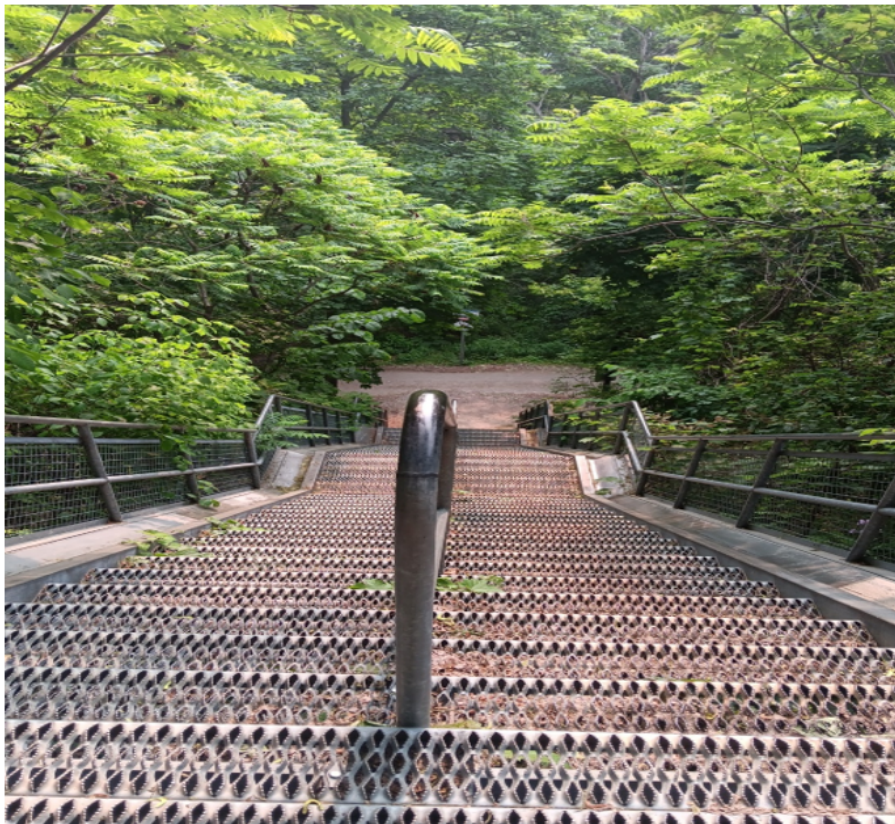
**Recommendation:** the vegetation at the bottom of the stairs will improve sight lines to the stairs while also improving the ability to view oncoming traffic.







Overhanging trees should be cleared as well as vegetation growing through the grates, through the sides, and over the handrails.





Tripping Harzards, such as the one seen below, should be repaired to ensure good footing while using the stairs.



**Signage:** Signage can help establish territory and can clearly distinguish private from public property. With signs being properly displayed throughout the property, this helps to eliminate the “I did not know” excuse for trespassers and loiterers alike.

**Recommendation:** Post clear, concise messaging for those who are using the stairs. Repair or replace broken or graffitied signage.



**Graffiti:** Graffiti is a common issue in many major cities. This is not only a cost to the city, it also takes away from the clean image which the City is attempting to portray in its parks. The light standards have become a target for graffiti. Regular maintenance and inspections should be completed to clean up graffiti.



Below is a good example of a light fixture that is clear from vegetation.



Many lights along these stairs are being impeded by vegetation (below), blocking the beam and darkening the area. Vegetation should be aggressively removed from light standards and fixtures.



**Lighting:** One of the most important components of CPTED is lighting. Effective lighting allows for natural surveillance by providing the ability for people to see. It can also generate witness potential by giving people a reason to look. There are many different types of lighting available and the goal is to select a light type that is appropriate for the area. The area should be well illuminated without creating a visual nuisance for onlookers. It should also be placed along the stairs so that all hidden areas are illuminated to reduce people hiding and to provide a secure environment for those climbing. The spacing of the lights should be that there are no blind spots or shaded areas along buildings and paths. To reduce cost motion activated lights can be installed in some areas that only come on when there is motion or people walking through the area. Maintenance is also a consideration with a good lighting plan to replace broken lights and burned out bulbs on a regular schedule. All lighting should be installed to light from the inside out and with protection to stop vandals and damage; deterring crime. When an area is well-lit, people who wish to engage in illegal activities will tend to move to darker more discrete areas. Studies have shown that graffiti and other activities happen more often in dark unlit areas.

Recommendation: Have an official lighting audit conducted for the Escarpment Rail Trail access to the stairs. Install additional LED lights to further illuminate the area if necessary and possibly put these lights on a sensor so they only operate while people are walking in the area to minimize the impact of lighting on the natural area. Ensure that foliage is pruned to allow for increased visibility (previous page).

### **Territoriality and the “Broken Window Theory”:**

Factors affecting territoriality are what creates a defensible or ambiguous space. The Broken Window Theory can be easily related to the lack of territoriality at a given location where crime has occurred.

The “Broken Window Theory” states that when a property or building appears to have lack of pride, no ownership or has property in need of desperate repair, it becomes an easy target to thieves, loitering, and other criminal activities.

Recommendation: Keep up with the maintenance of all areas of the park. Remove dead trees or broken assets in an attempt to maintain the overall appearance of the park in an attempt to deter criminal activities.

### Overall Recommendations:

- Regular maintenance including pruning of trees to restrict foliage over the stairs.
- Improve site lines from the street including the removal of undesirable shrubs and overhanging trees in order to increase visibility.
- Removal of overhanging foliage over the stairs and along both handrails.
- Regular maintenance of stair lighting to ensure proper illumination and light distribution.
- Removal of graffiti on light standards.
- Ensure current signage.
- At the end of the stairs life cycle (Capital replacement), consideration should be made for widening the stairs to add bike troughs.
- Install signage to identify the site location to ensure a rapid response by emergency services.

Some images are actual unaltered photographs of the location. Other images and maps are from public open-sourced websites.

Please note that there are no guarantees in preventing crime. This report is comprised of suggestions based on CPTED Principles that may lead to the reduction in the fear and incidence of crime and disorder, leading to an improvement in the overall quality of life of the property.

If there are any questions, please feel free to contact the writers.

Report Completed by: Cst. Ryan Clarke #317

### **DISCLAIMER**

*CPTED audits are designed to make recommendations to reduce the likelihood of criminal activity in and around a physical structure such as a building. Compliance with the recommendations does not guarantee protection from crime. The persons conducting CPTED audits are trained in crime prevention techniques, not in the enforcement of property standards, fire regulations, or other such regulations or by-laws. Accordingly, since these are only recommendations, the Hamilton Police Service, the Hamilton Police Service's Board and the City of Hamilton disclaims any responsibility for any claims or actions arising from the effectiveness, completeness or the implementation of some or all of the recommendations contained within this audit.*



## HAMILTON POLICE SERVICE

# CPTED PROPERTY AUDIT

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Cst. Ryan Clarke #317  
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### **Statement of purpose:**

Crime Prevention Through Environmental Design, or CPTED as it is more commonly known, is a proactive design technique that believes that the proper design and effective use of the built environment can lead to a reduction in the fear and incidence of crime, **as well as an improvement in the quality of life.**

The CPTED recommendations prepared for your site are not intended to make your site “vandal-proof”, “assault-proof”, “bomb-proof” etc. They **are intended to improve the function of the space** while addressing a number of safety and security issues by providing ways to improve your property’s natural surveillance, natural access control and territoriality.

Implementation of the enclosed recommendations should not be fragmented. Many times the incorporation of one phase depends upon the implementation of other security recommendations and failure to utilize the systems approach can breach all elements of the system.

### **Overview of CPTED:**

CPTED's underlying objective is to help various disciplines do a better job of achieving their primary objectives, with the added by-product of improved security and loss prevention. This objective is based upon the belief that crime and loss is a by-product of human functions that are not working.

How does CPTED differ from traditional crime fighting techniques?

CPTED's emphasis is based on design and use. In this way, it deviates from the traditional target hardening approach to crime prevention.

The target-hardening approach traditionally focused on denying access to a crime target through physical or artificial barriers (such as locks, alarms, fences and gates). This approach often overlooked the opportunities for natural access control and surveillance while placing a constraint on the use, access and enjoyment of the hardened environment.

CPTED emphasizes and exploits these lost opportunities through the development of three overlapping CPTED strategies. These strategies are:

- \*Natural Surveillance
- \*Natural Access Control
- \*Territorial Reinforcement

Natural Surveillance is a design strategy that is directed primarily at keeping intruders under observation.

Natural Access Control is a design strategy that is directed at decreasing crime opportunity.

Territorial Reinforcement is a design strategy that realizes that physical design can create or extend a sphere of influence so that users develop a sense of proprietorship or territoriality.

**Wentworth Stairs  
Hamilton Ontario**

**Audit prepared by: Hamilton Police Service - Crime Prevention Branch**

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905-546-1577  
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Date of Audit: 2023-06-06 - Daylight Hours

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There are 5 Escarpment stairs that connect the lower City to the upper City. The Wentworth Stairs are located between Wentworth St. S (at the corner of Charlton Ave. E.), transversing the Sherman Access and ending at the intersection of Mountain Park Ave and Upper Wentworth St.

The Wentworth Stairs were originally wooden stairs built in 1903. These burned down and were replaced by metal stairs in 1983. At the lower end, the stairs connect with the Escarpment Rail Trail. The Bruce Trail connects with the stairs on the lower half of the stairs, between Wentworth St. S. and the Sherman Access.

The stairs are mostly located in a forested area, allowing people to loiter and utilize the environment for illegal activities. There is a history of assaults on the stairs, both physical and sexual in nature. The stairs are used by commuters and exercise enthusiasts. The purpose of the audit is to find the best way to continue encouraging the positive use of the escarpment stairs in Hamilton and deter the illegal and criminal activities which occur on the stairs.

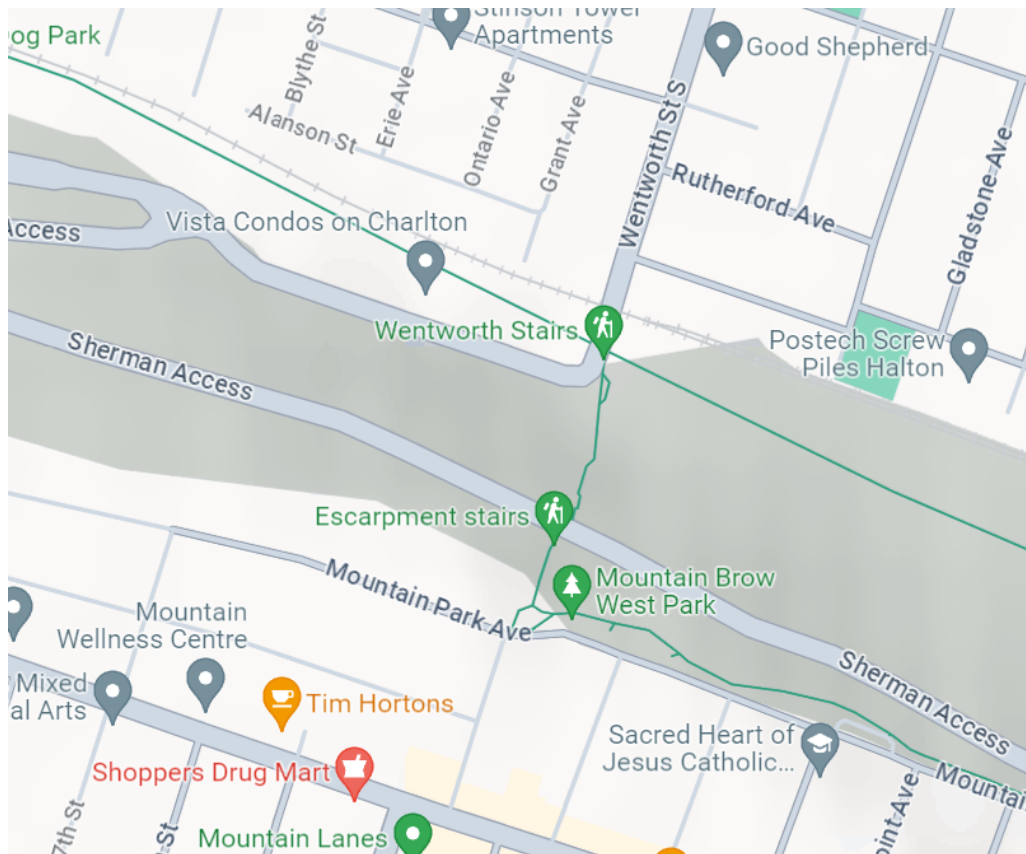


Image taken on June 6 at the bottom of the Wentworth Stairs.



During the audit the following observations were made:

**Natural Surveillance:**

All trees in the open space around the stairs should be trimmed up 7 feet from the ground to allow for clear sight lines. Any foliage overhanging the stairs and handrails should be pruned. Shrubbery adjacent to the stairs should be trimmed to a maximum of 3 feet high to prevent people from hiding behind them. When new trees and shrubs are added to increase the overall canopy across the City, plant material should be carefully selected as to not create more hidden hazards. Some examples of this include trees that grow tall and narrow with minimal low hanging branches and low growing shrubs that don't affect sight line issues.

Recommendation: the Manitoba Maple located at the base of the stairs is overhanging the approach area should be removed, such as seen in the image below. As it is right now, it prohibits Police or any witnesses from having clear sight lines into that area of the property. Thus, it is creating an environment conducive for criminal activities and trespassers.







Regular maintenance should be completed at this site. The base of the stairs present a shadowed area due to extreme tree cover (above). Thinning of the trees would allow natural light into the area. As seen below, the vegetation at the top of the stairs will need to be pruned to allow for a 180° visibility at the top of the stairs.



Image from Google Street view.





**Alternate Access Points:** About 3/4 of the way up the lower staircase is an access point for the Bruce Trail to connect with the Wentworth stairs. This access point is a concern as this can be a concealment area and it leads to a forest path.



**Recommendation:** Install additional lighting to allow for more illumination in hidden areas.



**Signage:** Signage can help establish territory and can clearly distinguish private from public property. With signs being properly displayed throughout the property, this helps to eliminate the “I did not know” excuse for trespassers and loiterers alike. The sign (above) was displaying incorrect information. As seen below, the stairs were open.

**Recommendation:** Post clear, concise messaging for those who are using the stairs. When repair work is completed, remove signage.





Graffiti – Graffiti is a common issue in many major cities. This is not only a cost to the city, it also takes away from the clean image which the City is attempting to portray in its parks. The light standards have become a target for graffiti. Regular maintenance and inspections should be completed to clean up graffiti.



**Lighting:** One of the most important components of CPTED is lighting. Effective lighting allows for natural surveillance by providing the ability for people to see. It can also generate witness potential by giving people a reason to look. There are many different types of lighting available and the goal is to select a light type that is appropriate for the area. The area should be well illuminated without creating a visual nuisance for onlookers. It should also be placed along the stairs so that all hidden areas are illuminated to reduce people hiding and to provide a secure environment for those climbing. The spacing of the lights should be that there are no blind spots or shaded areas along buildings and paths. To reduce cost motion activated lights can be installed in some areas that only come on when there is motion or people walking through the area. Maintenance is also a consideration with a good lighting plan to replace broken lights and burned out bulbs on a regular schedule. All lighting should be installed to light from the inside out and with protection to stop vandals and damage; deterring crime. When an area is well-lit, people who wish to engage in illegal activities will tend to move to darker more discrete areas. Studies have shown that graffiti and other activities happen more often in dark unlit areas.

Recommendation: Have an official lighting audit conducted for the Bruce Trail access to the stairs. Install LED lights to further illuminate the area if necessary and possibly put these lights on a sensor so they only operate while people are walking in the area to minimize the impact of lighting on the natural area. Ensure that foliage is pruned to allow for increased visibility (previous page).

### **Territoriality and the “Broken Window Theory”:**

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Recommendation: Keep up with the maintenance of all areas of the park. Remove dead trees or broken assets in an attempt to maintain the overall appearance of the park in an attempt to deter criminal activities.



### Overall Recommendations:

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- Regular maintenance of stair lighting to ensure proper illumination and light distribution.
- Removal of graffiti on light standards.
- Ensure current signage.
- At the end of the stairs life cycle (Capital replacement), consideration should be made for widening the stairs to allow pedestrians to safely pass each other and add improvements such as a bike troughs and a railing to separate the two lanes.
- Install signage to identify the site location to ensure a rapid response by emergency services.

Some images are actual unaltered photographs of the location. Other images and maps are from public open-sourced websites.

Please note that there are no guarantees in preventing crime. This report is comprised of suggestions based on CPTED Principles that may lead to the reduction in the fear and incidence of crime and disorder, leading to an improvement in the overall quality of life of the property.

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