

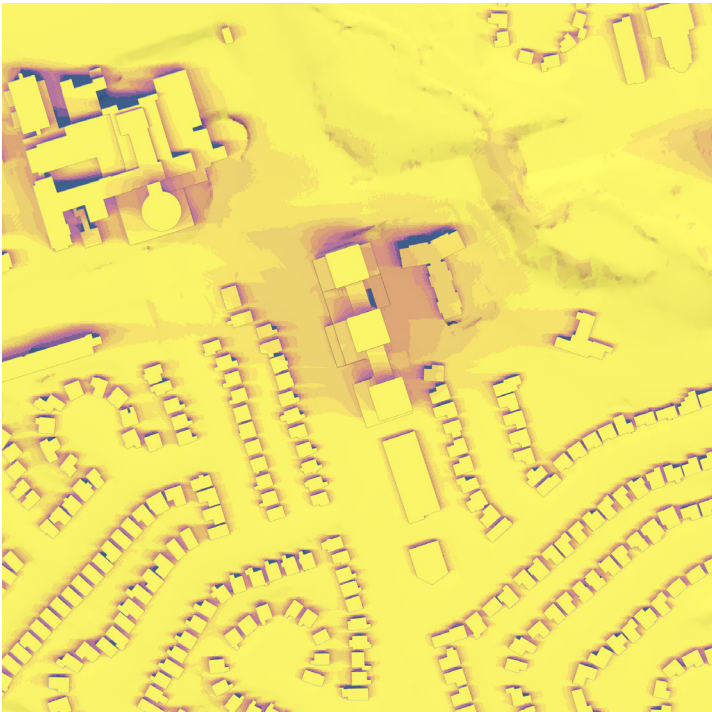
LES TOC

Scarborough Subway Extension

Sun & Shadow Study

2025.05.02

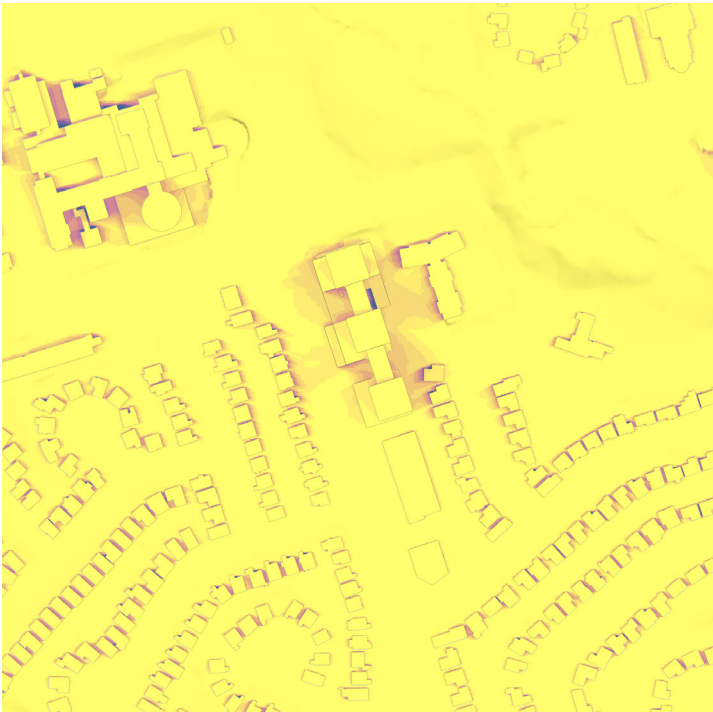
Sun Studies - Sun Hours on Equinoxes and Solstices



March 21 - Spring Equinox

89% of ground and roof surfaces receive direct sun for at least 6 hours.

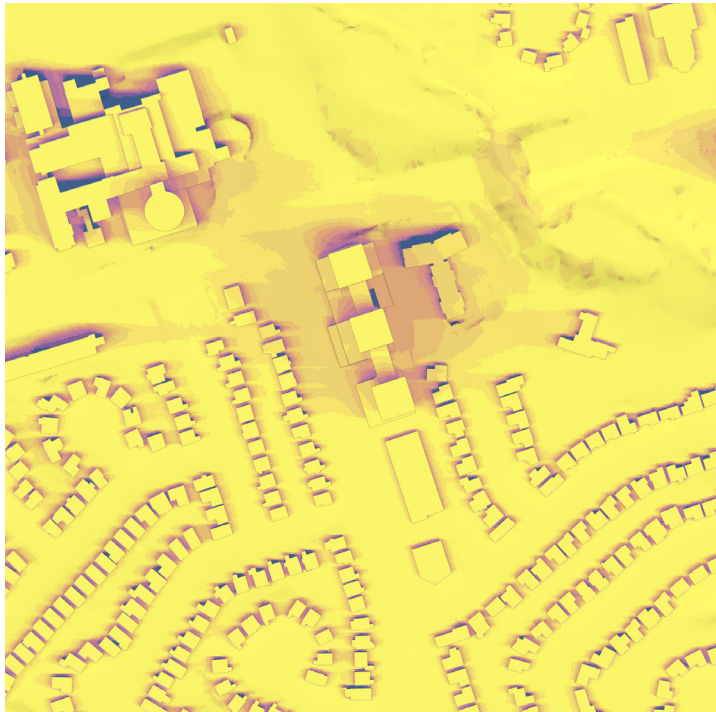
Low impact to neighbouring residences from TOC in Spring.



June 21 - Summer Solstice

96% of ground and roof surfaces receive direct sun for at least 6 hours.

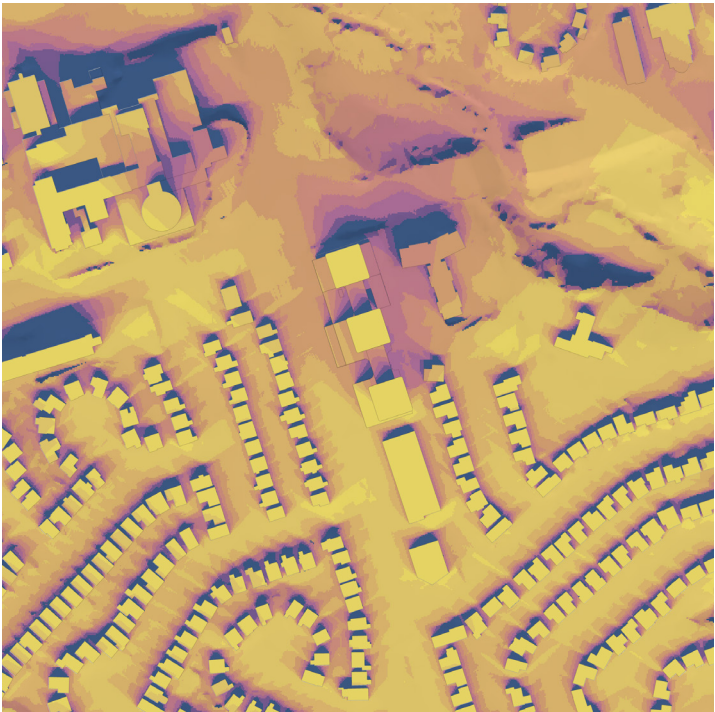
Low impact to neighbouring residences from TOC in Summer.



September 21 - Fall Equinox

89% of ground and roof surfaces receive direct sun for at least 6 hours.

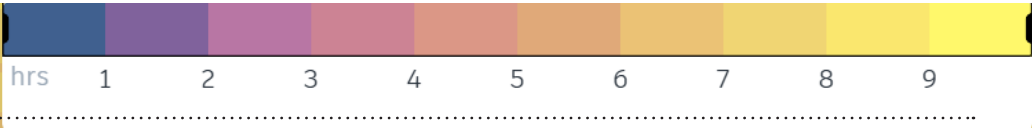
Low impact to neighbouring residences from TOC in Autumn.



December 21 - Winter Solstice

75% of ground and roof surfaces receive direct sun for at least 6 hours.

Low-medium impact to neighbouring residences from TOC in Winter.



Shadow Study - Spring Equinox - CoT Standard Study

March 21 -
Spring Equinox

10 hours of shadow studies with results demonstrating a minimal impact on neighbouring residences.

Small impact to Bendale Park.

3 hours of shading is applied on 3 neighbouring residences.



09:00 - March 21



10:00 - March 21



11:00 - March 21



12:00 - March 21



13:00 - March 21



14:00 - March 21



15:00 - March 21



16:00 - March 21



17:00 - March 21



18:00 - March 21

Shadow Study - Summer Soltice - CoT Standard Study

June 21 -
Summer Soltice

10 hours of shadow studies with results demonstrating a minimal impact on neighbouring residences.

3 hours of shading is applied on 3 neighbouring residences.



09:00 - June 21



10:00 - June 21



11:00 - June 21



12:00 - June 21



13:00 - June 21



14:00 - June 21



15:00 - June 21



16:00 - June 21



17:00 - June 21



18:00 - June 21

Shadow Study - Fall Equinox - CoT Standard Study

September 21 -
Fall Equinox

10 hours of shadow studies with results demonstrating a minimal impact on neighbouring residences.

Small impact to Bendale Park.

3 hours of shading is applied on 3 neighbouring residences.



09:00 - September 21



10:00 - September 21



11:00 - September 21



12:00 - September 21



13:00 - September 21



14:00 - September 21



15:00 - September 21



16:00 - September 21



17:00 - September 21



18:00 - September 21

Shadow Study - Winter Soltice - CoT Standard Study

December 21 -
Winter Soltice

10 hours of shadow studies with results demonstrating a minimal impact on neighbouring residences.

Due to long winter shadows, there is more Bendale Park coverage.



09:00 - December 21



10:00 - December 21



11:00 - December 21



12:00 - December 21



13:00 - December 21



14:00 - December 21



15:00 - December 21



16:00 - December 21



17:00 - December 21



18:00 - December 21