

The following is the list of the at-grade crossings and required improvements identified by five priority levels: Ongoing, Immediate Mandatory, 2021 Mandatory, 2021 Recommended, and Additional:

17 Side Road at Mile 25.43 – CN Halton Subdivision Line

- Conduct seasonal inspections to maintain the growth of trees/vegetation (Ongoing)
- On the east approach, trim trees on the right side of the road (Immediate Mandatory)
- Replace the substandard 'Do Not Stop on Tracks' sign (Immediate Mandatory)
- If vehicle queuing is identified within 2.4 m of the nearest rail, after the realignment of Trafalgar Road and 17 Side Road/Maple Avenue intersection, the Town shall interconnect the Region's traffic signal with the warning system (Immediate Mandatory)
- On the east approach (Maple Avenue) install an additional oversized Railway Crossing Ahead (Wc-104) warning sign (2021 Mandatory)
- On both approaches, repaint the 'X' symbols and stop bars (2021 Recommended)

15 Side Road at Mile 26.63 CN Halton Subdivision Line

- Ensure that winter maintenance is completed at this location (Ongoing)
- On the south approach, increase the horizontal offset of the Stop sign on the right side of the road (Immediate Mandatory)
- On the south approach, adjust the position of the stop bar so it is 1.25 m to 3 m from 15 Side Road (Immediate Mandatory)
- If adjusting the stop bar does not provide a clear sightline, clear the indicated trees with the road allowance on the south side of the west approach (Immediate Mandatory)
- Replace the Bump signs on the east and west approaches (2021 Recommended)
- Replace the oversized Checkerboard (2021 Recommended)

- On the west approach, delineate the turning radius for the eastbound traffic, turning onto Sixth Line, using white edge lines (2021 Recommended)
- On the east and west approaches, repaint the 'X' symbols (2021 Recommended)
- On the west approach, repaint the stop bars (2021 Recommended)
- Repair the road surface on the east and west approaches (Additional)
- If the road is reconstructed in the future, consider flattening the grades of the road approaches as part of the reconstruction (Additional)

Fourth Line at Mile 33.54 Metrolinx Kitchener Line

- Ensure the winter maintenance is completed at this location (Ongoing)
- Conduct seasonal inspections to maintain the growth of trees/vegetation within the road's right-of-way (Ongoing)
- On both approaches, trim the trees on the right side of the road within the Stopping Sight Distance (Immediate Mandatory)
- On both road approaches, repaint the "X" symbols and stop bars (2021 Recommended)
- Repair the road surface on the north approach (Additional)
- If the road is reconstructed in the future, consider flattening the grades on the approaches (Additional)
- Monitor the worn path to identify if trespassing is an issue (Additional, required for whistle cessation)
- If a trespassing issue is confirmed, a fence of 1.5 km should be installed along the rail ROW (Additional, required for whistle cessation)

Third Line at Mile 34.25 Metrolinx Kitchener Line

- Ensure that winter road maintenance is completed at this location (Ongoing)
- Consider conducting a Ball Bank Study to determine the need for an Advisory Speed tab sign (Ongoing)

- On both approaches, clear the identified vegetation/trees on the left side of the road within the SSD to clear the view of the warning system (Immediate Mandatory)
- On both approaches, replace the oversized Railway Crossing Ahead signs (Wc-104) to reflect the actual orientation of the railway track (2021 Mandatory)
- On both approaches, if the view of the warning system is still obstructed after clearing the identified trees, install a “Prepare to Stop at Railway Crossing” sign (2021 Mandatory)
- On the north approach, repaint the “X” symbol (2021 Recommended)
- On the south approach, ensure that there is “X” symbol painted 10 m downstream of the Railway Crossing Ahead (Wc-104) sign, located at 216 m from the stop bar (2021 Recommended)
- On both approaches, repaint the stop bars (2021 Recommended)
- Monitor the farm access to identify if trespassing is an issue (Additional, required for whistle cessation)
- If trespassing is an issue is confirmed, a fence of up to 1 km should be installed (Additional, required for whistle cessation)

Halton Region’s Facility Crossing at Mile 34.85 Metrolinx Kitchener Line

- Ensure that winter road maintenance is completed at this location (Ongoing)
- Consider initiating an educational program to help drivers understand the level of risk at the crossing (Immediate Mandatory)
- On the north approach, relocate the Stop sign on the driver’s left side, so that it does not obstruct sightlines (Immediate Mandatory)
- On both approaches, paint “X” symbols, stop bars and directional dividing yellow lines, as per the MUTCDC (2021 Recommended)
- Install a warning system with barrier gates (Additional, required for whistle cessation)

Eastern Avenue Crossing at Mile 35.48 Metrolinx Kitchener Line

- Conduct seasonal inspections to maintain the growth of trees/vegetation (Ongoing)
- On the west approach, clear the identified vegetation/trees on the left side of the road (Immediate Mandatory)
- Conduct an educational campaign and enforcement to target trespassers within the rail ROW (Immediate Mandatory)
- On the west approach, trim the trees on the right side of the road (2021 Mandatory)
- On the west approach, if the view of the warning system is still obstructed after clearing, install a “Prepare to Stop at Railway Crossing” sign (2021 Mandatory)
- Install a Wc-104B warning sign on Young Street (Hwy 7) of the Eastern Avenue intersection for the eastbound direction (2021 Mandatory)
- On both approaches, repaint the “X” symbols and stop bars (2021 Recommended)
- On the east approach, increase the horizontal offset of the Railway Crossing Ahead warning sign (2021 Recommended)
- Install a sidewalk on the north side of Eastern Avenue (Additional)
- Install tactile plates on both sidewalk approaches (Additional)
- Install maze barriers on both sidewalk approaches (Additional)
- Install “No Trespassing” signs on at the four quadrants of the crossing (Additional)
- Install fences along the railway ROW, 400 m from the railway crossing (Additional, required for whistle cessation)

Mill Street East (Hwy 7) Crossing at Mile 35.69 Metrolinx Kitchener Line

- On both approaches, replace the substandard “Do Not Stop on Tracks” signs with a standard “Do Not Stop on Tracks” (Rb-113) sign with supplementary warning signage from the upcoming revised version of OTM Book 6 (WC-4BT, Wc-41, and Wc-42) (Immediate Mandatory)

- Additionally, paint white crosshatch pavement markings in the area between the two stop lines and extended to encompass the pedestrian areas (this is to be coordinated with the railway as this is within the railway ROW) (Immediate Mandatory)
- Conduct an educational campaign and enforcement to target trespasses (Immediate Mandatory)
- Delineate the sidewalk within 8 m of the nearest rail on both sides of the north sidewalk (2021 Recommended)
- Apply pedestrian stop bar markings on both approaches of the north sidewalk (2021 Recommended)
- On the west approach, repaint the “X” symbol, so it is 10 m downstream from the “Railway Crossing Ahead” warning sign (2021 Recommended)
- On both approaches, repaint the stop bars (2021 Recommended)
- Install “See Tracks? Think Train” pavement markings (Additional)
- Install tactile plates on both pedestrian approaches of the north sidewalk (Additional)
- Install maze barriers on the north sidewalk (Additional)
- Install “No Trespassing” signs in all four quadrants of the crossing (Additional)
- Install fences along the railway ROW, 400 m from the crossing (Additional, required for whistle cessation)

Main Street North at Mile 36.20 Metrolinx Kitchener Line

- Ensure that winter road maintenance is completed at this location (Ongoing)
- On both approaches, replace the substandard “Do Not Stop on Tracks” signs with a standard “Do Not Stop on Tracks” (Rb-113) sign with supplementary warning signage from the upcoming revised version of OTM Book 6 (WC-4BT, Wc-41, and Wc-42) (Immediate Mandatory)
- Additionally, paint white crosshatch pavement markings in the area between the two stop lines and extended to encompass the pedestrian

areas (this is to be coordinated with the railway as this is within the railway ROW) (Immediate Mandatory)

- Conduct an educational campaign and enforcement to target trespassers with the rail ROW (Immediate Mandatory)
- On the south approach, install an additional Railway Crossing Ahead warning (Wc-104), (2021 Mandatory)
- Delineate the sidewalk within 8 m of the nearest rail on both sides of the east sidewalk (2021 Recommended)
- Apply pedestrian stop bar markings on both pedestrian approaches of the east sidewalk (2021 Recommended)
- On the south approach, paint an “X” symbol for the additional “Railway Crossing Ahead” warning sign (2021 Recommended)
- On the north approach, repaint the “X” symbol located at 198 m from the stop bars (2021 Recommended)
- On both approaches, repaint the stop bars and directional yellow line (2021 Recommended)
- Repair the sidewalk located on the east side of Main Street North (2021 Recommended)
- Repair the road surface on both approaches (Additional)
- Install tactile plates on both pedestrian approaches of the east sidewalk (Additional)
- Install maze barriers on the east sidewalk (Additional)
- Install “See Tracks? Think Train” pavement markings on both sidewalk approaches (Additional)
- If the queuing issue remains, interconnect the future signal (MTO) with the warning system (Additional)
- Install fences along the railway ROW (Additional, required for whistle cessation)

Dublin Line at Mile 37.20 Metrolinx Kitchener Line

- Ensure the winter road maintenance is completed at this location (Ongoing)
- On the north approach, install a standard “Do Not Stop on Tracks” (Rb-113) sign (Immediate Mandatory)
- On the south approaches, repaint stop bars perpendicular to the road at a distance of 2 m upstream of the warning system (2021 Recommended)
- On both approaches, repaint the “X” symbols and directional dividing yellow lines (2021 Recommended)
- When implementing the other countermeasures at this location, check the condition of the road approaches and repair them if they are in poor condition (Additional)
- Monitor the farm access to identify if trespassing is an issue (Additional, required for whistle cessation)
- If trespassing is confirmed, a fence of up to 1.2 km should be installed along the rail ROW (Additional, required for whistle cessation)