



# Main Street Renewal

Construction Newsletter No. 33

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## On-Going

Here's a block-by-block breakdown of the work currently underway:

- **Clegg Street to the McIlraith Bridge:** Construction of concrete sidewalks, placement of the concrete curbs, electrical work, construction of the Riverdale Avenue retaining wall, road work, paving and landscaping.

## Upcoming

Here are key **new** upcoming construction activities planned for the next two weeks:

- **Harvey Street to Clegg Street:** Installation of recycling units, tree guards and tree grates;
- **Clegg Street to the McIlraith Bridge:** Paving of the cycle tracks, and;
- **Rideau River Drive:** Paving of top lift of asphalt.



*Installation of the precast concrete cap on one of the Brantwood Place Gates pillars.*



*Construction of the Riverdale Avenue retaining wall.*



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## Traffic

### Main Street

Main Street from Riverdale Avenue to Clegg Street will re-open to northbound traffic at the end of November.

### Beckwith Road

Beckwith Road will remain closed to traffic at Main Street until November 1. Beckwith Road is open to pedestrians.

### Clegg Street

Clegg Street is closed at Main Street (West side only) for the construction of the concrete crosswalk until November 7.



*Placement of the concrete curb using a curb machine.*



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## Did you know?

The McIlraith Bridge was constructed in 1964 to link Smyth Road (east approach) and Main Street (west approach) over Rideau River and Riverside Drive. In 2005, the City of Ottawa undertook the process of assessing the condition of the structure. The assessment of the structure identified a need for major structural repairs. Following the assessment, the City then initiated the detailed design process for the rehabilitation. Construction started in 2015 and is now nearing completion.

The project involved the rehabilitation of the McIlraith Bridge including the removal of the centerline median to widen the road in order to accommodate bike lanes adjacent to the sidewalks. The work also included repairs to concrete, seismic strengthening, expansion joint repairs, waterproofing, paving of the bridge, sidewalk repairs, abutment repairs, painting of the steel support structure, improvements in illumination, and bird screen protection installation.

The most challenging portion of the work was the seismic retrofitting. Seismic retrofitting is the modification of an existing structure to make it more resistant to seismic activity. To do this, 21 seismic bearings have been installed (between the piers and the deck) and the Gerber joint of the bridge is presently being replaced by a link slab. The seismic bearings and the link slab will improve the bridge response to seismic loading. To date, half of the link slab has been installed. The traffic will be moved to the other side of the bridge next week to install the other half of the link slab.

If all goes well, the McIlraith Bridge will be fully open (4 vehicle lanes + 2 bike lanes) by the end of November or early December. Construction will shut-down for the winter and will resume in the spring for landscaping and minor work.



*Seismic bearing*



*Construction of the link slab*

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