




INFORMATION UPDATE

TO:	Mayor and Members City Council
DATE:	April 23, 2019
SUBJECT:	Red Hill Valley Parkway Resurfacing Project (City Wide) (ENG19.001)
WARD(S) AFFECTED:	City Wide
SUBMITTED BY:	Gord McGuire Director, Engineering Services Public Works Department
SIGNATURE:	

This Information Update is to update Mayor Eisenberger and Members of Council on the Red Hill Valley Parkway (RHVP) resurfacing project happening in spring 2019.

While many of the project details are still be finalized, the following information related to the resurfacing are known at this time. Council will receive further updates on this project and the plan for communicating impacts to residents once more of the construction details and timelines are known.

At this time, plans related to resurfacing the RHVP are as follows:

- The RHVP will be resurfaced using high quality asphalt. To ensure this is achieved, the City engaged a materials expert to develop a pavement specification for the repaving. The pavement design includes requirements to meet provincial highway standards for aggregate quality, asphalt cement composition and frictional characteristics.
- A rigorous asphalt testing protocol will be in place to ensure quality of the asphalt mix that is used in the resurfacing. This will include:
 - Retaining a consultant to work alongside City staff for field and laboratory testing.
 - Sampling source aggregates, physical characteristics and gradation for compliance.

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- Conducting a trial batch of the asphalt mixture to test for compliance, with third party verification.
- Sampling of asphalt during the paving operation at the twice the rate of normal City operations.
- Testing for compliance to the mix design (gradation, asphalt cement content and voids). These tests have been extended to include two new MTO-based asphalt cement tests, to ensure the highest quality.
- The RHVP will be completely closed in one direction at a time to allow the contractor full access to the site. Ideally, the road will be re-opened one section at a time as the asphalt, guardrails and line painting are completed. This approach has several benefits, including:
 - Allows both lanes to be paved side-by-side, rather than having a “joint” between each lane. This results in a higher quality product that resists cracking and needs less maintenance later.
 - Creates a safer environment for workers by removing traffic in the adjacent lane.
 - Is the most cost effective and fastest delivery option because it allows the contractor to keep equipment on the roadway instead of moving in and out each day.
- The northbound lanes will be paved first, followed by all ramps on the northbound side. The southbound lanes will be paved second, followed by all ramps on the southbound side. Last, the on-ramp to the Linc from Stone Church and Mud Street will be paved.
- Traffic impacts will be minimized as much as possible using well-signed detour routes. However, given the daily volume of vehicles on the RHVP, we do anticipate heavier than usual traffic in many parts of the city while construction is ongoing.
- Signal timings will be adjusted using the Advanced Traffic Management System (ATMS) where possible to minimize impacts and signage will be posted along the QEW, Linc and in other strategic areas.
- A robust communications plan will be implemented to ensure motorists are aware of the closure dates and times, and know to leave extra time for their commutes.
- There will be no construction in the southbound lanes between June 3 and June 9 to accommodate motorists attending the Canadian Open at the Hamilton Golf & Country Club. This will help to ensure visitors to the Canadian Open are able to get to the golf course each morning as smoothly as possible.
- All work on the RHVP should be complete by July 22, 2019.

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Over the coming weeks, City staff will be working with the contractor to finalize details related to the resurfacing. These outstanding details include things like:

- Hours of work
- Exact start date
- Dates and length of time for each closure
- Exact plans for milling and paving
- Exact plans for how road will be re-opened (in stages vs. all at once)
- Exact locations of detour signs

As noted, Council will receive further updates on this project once construction details and timelines become more complete.

APPENDICES AND SCHEDULES ATTACHED

None