

From: Merkoulovitch, Iliia  
Sent: Thursday, March 11, 2021 2:37 PM  
To: Rankin, Sonia; Hyder, Mir; Sher, Ilya; Sheikh, Riyaz  
Cc: Sorochinsky, Tim; Schmied, Sarah; Fleming, Braden  
Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Hi Sonia,

Please see below for a table of Emme travel time outputs between the specified origin-destination pairs under the 2041 Build and No Build scenarios, as well as the percentage of time saved under the Bradford Bypass (Build) scenario.

As you can see, time savings are significant, thanks in particular to the avoidance of Bridge Street. By 2041, with Bridge Street being the only major east-west connection through the area, there will be significant travel times for any origin-destination pairs on opposite sides of the Holland River.

The travel times between 404 @ BBP and East Gwillimbury don't see much benefit from the introduction of the Bradford Bypass as Leslie Street still presents the most desirable route in both scenarios. In some cases the travel time is slightly (approximately 1.5 minutes) longer under the Build scenario.

Let me know if you have any questions or want to discuss in detail.

Travel Time Comparison	2041 AM Travel Time (minutes)			2041 PM Travel Time (minutes)		
	Build	No Build	% Time Saved	Build	No Build	% Time Saved
400 @ 88 to 404 @ Queensville	17.6	52.2	66%	13.5	24.2	44%
404 @ Queensville to 400 @ 88	14.1	28.7	51%	15.8	41.0	62%
400 @ BBP to Bradford Centre	6.1	8.1	25%	6.0	8.4	29%
Bradford Centre to 400 @ BBP	6.5	9.1	29%	6.1	8.2	26%
404 @ BBP to Bradford Centre	9.7	23.9	60%	10.0	38.2	74%
Bradford Centre to 404 @ BBP	13.0	49.0	74%	8.9	20.6	57%
400 @ BBP to East Gwillimbury	19.2	51.7	63%	15.6	26.3	41%
East Gwillimbury to 400 @ BBP	17.4	30.7	43%	16.3	42.3	61%
404 @ BBP to East Gwillimbury	9.9	8.6	-14%	7.3	8.4	13%
East Gwillimbury to 404 @ BBP	9.2	11.2	18%	9.0	7.7	-17%

Thanks,

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Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Thank you

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Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Hi Sonia,

Based on the information and analysis we have completed so far, we could use our Emme macro model to develop rough estimates of travel times along various routes by adding up travel times along the series of links on that route.

This is a fairly rough approximation but is basically our only option for comparing future local road vs BBP travel times.

I'll work on developing some comparisons and share what I have with you.

Thanks,

**Iliia Merkoulovitch, P.Eng.**  
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Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)  
Importance: High

Looping in Iliia as well.

Iliia, please see below, we need to provide a response by the EOD today.

Regards,

**Mir Hyder**, B.Eng  
EIT, Transportation  
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Subject: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Hi Iliya and Riyaz

Request from Cameron.

Can we get a rough estimate, or generalization of time savings for the travel time between current conditions and having the new BBP highway?

I'm assuming travel from:

- Highway to Highway along current roads
- Highway to Highway along BBP
- Community to each highway if we have it.
  - Brad-West Gwill to/from Highway 404 (East)
  - East Gwill to/from Highway 400 (west)

We know a definitive answer likely can't be provided, but we are looking for something that could be presented to the public as a safe approximation of travel time improvement once the highway is built.

Would need this information by end of day. Riyaz we can talk about this as this if needed.

Sonia

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