

Sher, Ilya

From: Merkoulovitch, Iliia
Sent: Thursday, March 11, 2021 5:26 PM
To: Rankin, Sonia; Sheikh, Riyaz; Hyder, Mir; Sher, Ilya
Cc: Sorochinsky, Tim; Schmied, Sarah; Fleming, Braden
Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Hi Sonia,

I generally tried to use origin-destination pairs which avoid significant overlap on the sections of Highway 400 and 404. This is why I looked at the Simcoe Road 88 and Queensville Side Road interchanges, as they are located near the connected east-west local roads to the south of the BBP corridor.

We can look at how the travel time comparison changes travelling between 400 / Highway 89 and 404 / Woodbine, but because there are no alternative east-west corridors other than the one I already used, we would simply add the travel time for the sections of 400 and 404 between the interchanges I looked at (Simcoe Road 88 and Queensville Side Road) and the ones adjacent to the north (Highway 89 and Woodbine, respectively).

The extent of the model also only captures the 407 at it's very south end. For such a far flung trip, I'd have to heavily depend on my own judgement and manually determine the route, which isn't very reliable. For this reason, we wouldn't really be able to capture the differences between using 401 or 407 versus the Bradford Bypass.

Let me know your thoughts, if you still want me to see how those additional sections of 400 and 404 compare, and I can see what we come up with.

Thanks,

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From: Rankin, Sonia <sonia.rankin@aecom.com>
Sent: Thursday, March 11, 2021 3:14 PM
To: Sheikh, Riyaz <Riyaz.Sheikh@aecom.com>; Merkoulovitch, Iliia <Iliia.Merkoulovitch@aecom.com>; Hyder, Mir <mir.hyder@aecom.com>; Sher, Ilya <ilya.sher@aecom.com>
Cc: Sorochinsky, Tim <tim.sorochinsky@aecom.com>; Schmied, Sarah <sarah.schmied@aecom.com>; Fleming, Braden <Braden.Fleming@aecom.com>
Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Thank you!

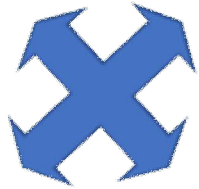
I think we can draft a response to travel time from this information. This is awesome and really highlights the time savings. It's more than I thought.

My only question is that we don't have a northbound interchange time on 400 or 404.



We are showing this traffic move only

What about 89/400 to 404/Queensville (AM/PM)
What about Highway 404/Woodbine to 88/400 (AM/PM)



The idea being people east of Toronto heading north to cottage country and taking BBP to get to 400 instead of 407 or 401. And also those west of Toronto taking BBP to go to Keswick instead of taking 407 and 401 to go up the 404.

Thoughts?

Sonia

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Notice: Currently working remotely. Please contact me by mobile or email

AECOM

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Sent: Thursday, March 11, 2021 3:02 PM
To: Merkoullovitch, Ilia <Ilia.Merkoullovitch@aecom.com>; Rankin, Sonia <sonia.rankin@aecom.com>; Hyder, Mir <mir.hyder@aecom.com>; Sher, Ilya <ilya.sher@aecom.com>
Cc: Sorochinsky, Tim <tim.sorochinsky@aecom.com>; Schmied, Sarah <sarah.schmied@aecom.com>; Fleming, Braden <Braden.Fleming@aecom.com>
Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Thanks Ilia, much appreciated! Sonia – I think we can average the two I highlighted in yellow below (from one end to the other) which shows substantial time and % savings. Let me know if you need help with the calcs to average it out.

Regards,

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Sent: Thursday, March 11, 2021 2:37 PM

To: Rankin, Sonia <sonia.rankin@aecom.com>; Hyder, Mir <mir.hyder@aecom.com>; Sher, Ilya <ilya.sher@aecom.com>; Sheikh, Riyaz <Riyaz.Sheikh@aecom.com>
 Cc: Sorochinsky, Tim <tim.sorochinsky@aecom.com>; Schmied, Sarah <sarah.schmied@aecom.com>; Fleming, Braden <Braden.Fleming@aecom.com>
 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	%
400 @ 88 to 404 @ Queensville	17.6	52.2	66%	13.5	24.2	
404 @ Queensville to 400 @ 88	14.1	28.7	51%	15.8	41.0	
400 @ BBP to Bradford Centre	6.1	8.1	25%	6.0	8.4	
Bradford Centre to 400 @ BBP	6.5	9.1	29%	6.1	8.2	
404 @ BBP to Bradford Centre	9.7	23.9	60%	10.0	38.2	
Bradford Centre to 404 @ BBP	13.0	49.0	74%	8.9	20.6	
400 @ BBP to East Gwillimbury	19.2	51.7	63%	15.6	26.3	
East Gwillimbury to 400 @ BBP	17.4	30.7	43%	16.3	42.3	
404 @ BBP to East Gwillimbury	9.9	8.6	-14%	7.3	8.4	
East Gwillimbury to 404 @ BBP	9.2	11.2	18%	9.0	7.7	

Thanks,

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From: Rankin, Sonia <sonia.rankin@aecom.com>
 Sent: Thursday, March 11, 2021 1:46 PM

To: Merkoullovitch, Ilia <Ilia.Merkoullovitch@aecom.com>; Hyder, Mir <mir.hyder@aecom.com>; Sher, Ilya <ilya.sher@aecom.com>; Sheikh, Riyaz <Riyaz.Sheikh@aecom.com>
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Subject: RE: BBP-PD/EA - travel time question from Cameron (URGENT TIMELINE)

Thank you 😊🌑

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Notice: Currently working remotely. Please contact me by mobile or email

AECOM

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Cc: Sorochinsky, Tim <tim.sorochinsky@aecom.com>; Schmied, Sarah <sarah.schmied@aecom.com>; Fleming, Braden <Braden.Fleming@aecom.com>
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,

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From: Hyder, Mir <mir.hyder@aecom.com>
Sent: Thursday, March 11, 2021 10:43 AM
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Cc: Sorochinsky, Tim <tim.sorochinsky@aecom.com>; Schmied, Sarah <sarah.schmied@aecom.com>; Fleming, Braden <Braden.Fleming@aecom.com>

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Importance: High

Looping in Iliya as well.

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

Regards,

Mir Hyder, B.Eng
EIT, Transportation
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From: Rankin, Sonia <sonia.rankin@aecom.com>

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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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