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June 4, 2019
File: 129600571

Attention: Mr. Chris Bowles, Director of Operations
3250 HWY 130
Rosslyn, ON
P7K 0B1
T: (807) 935-2613

Dear Mr. Bowles,

Reference: Kakabeka Falls Traffic Count Assignment – Summary

Stantec Consulting (Stantec), was retained by the Municipality of Oliver Paipoonge (OP), to conduct a 48-hour, continuous Traffic Count, along a section of Highway 11/17, which traverses through the Village of Kakabeka Falls, Ontario. The Traffic Count that was conducted in Kakabeka Falls, commenced on Thursday, May 16th at 12pm and was completed on Saturday, May 18th at 12pm. Correspondingly, the location that was selected to perform the Counts, was from the parking lot attached to Top Valu gas station. The address of the traffic count used, is 4751 HWY 11/17, Kakabeka Falls, ON.

Stantec was tasked with counting all vehicles travelling along Highway 11/17, in both the eastbound (EB) and westbound (WB) directions. Further, the count included differentiating between cars and trucks, in order to distinguish the total traffic volumes of each vehicle type. The car classification used has been governed as either a passenger car or a single unit truck (pick-ups, vans small single unit trucks). Comparatively, trucks are governed as multiple axle trucks, semi-trailers or buses. The direction of travel was broken down into two directions; east and west.

The method of counting was recorded on a traffic counting template and then transferred to an excel spreadsheet, for the sake of presentation to OP. The counts were broken into individual days and further broken into each individual hour, for the duration of the counting assignment. This was performed for the sake of use by others, should a future Traffic Study be conducted. Please refer to the traffic data sheets, attached to this document. Stantec has provided a summary table as part of the traffic data, which identifies each of the four, 12-hour counts, separated into EB and WB, with totals and percentage trucks. We have further summarized into two, 24-hour counts and then a grand total for the entire 48-hour collection period.

While the numbers of vehicles passing through the target location varied over the course of the 48-hour counting period, with some variations in trucks volumes, the total vehicular volume over the 48-hour period of 13,845 total vehicles, with 1,387 (10%) trucks, is the overlying result that the client (OP) will have interest in. This, from a total traffic volume perspective, as well as the percentage of truck volume of the total volume.

In closing, Stantec has completed A Network-Level Analysis and Scoping Study, completed for others and under separate cover, for the Ontario Trucking Association (OTA), which was completed in March 2019. The Study identified any observed gaps in the traffic data presented to date, and prescribed alternatives with respect to conducting a Traffic Study that more accurately reflects the traffic and impact of future traffic on the Highway 11/17 corridor, should an analysis of the data be required.

June 4, 2019

Mr. Chris Bowles, Director of Operations

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Regards,

Stantec Consulting Ltd.



Kevin Briggs P.Eng.

Senior Project Engineer

Phone: (807) 626-5640

Date: 05/16/2019						
Time Interval	East Bound		West Bound			
	Cars	Trucks	Cars	Trucks		
12:00 - 13:00	157	24	164	40		
13:00 - 14:00	164	27	192	17		
14:00 - 15:00	188	41	217	20		
15:00 - 16:00	183	33	265	30		
16:00 - 17:00	183	24	287	25		
17:00 - 18:00	182	26	319	22		
18:00 - 19:00	159	19	197	16		
19:00 - 20:00	101	16	152	14		
20:00 - 21:00	76	19	135	30		
21:00 - 22:00	87	21	86	10		
22:00 - 23:00	44	9	39	13		
23:00 - 00:00	32	10	23	7		
Daily Total:	1556	269	2076	244	Combined daily total	
					Cars	Trucks
					3632	513

12-hour

Date: 05/17/2019						
Time Interval	East Bound		West Bound			
	Cars	Trucks	Cars	Trucks		
00:00 - 01:00	12	5	16	7		
01:00 - 02:00	8	8	5	10		
02:00 - 03:00	5	9	4	7		
03:00 - 04:00	6	4	5	10		
04:00 - 05:00	6	12	18	13		
05:00 - 06:00	20	17	15	15		
06:00 - 07:00	88	10	49	21		
07:00 - 08:00	194	26	95	27		
08:00 - 09:00	175	29	159	31		
09:00 - 10:00	134	27	186	35		
10:00 - 11:00	155	21	225	21		
11:00 - 12:00	142	24	242	32		
Daily Total:	945	192	1019	229	Combined daily total	
					Cars	Trucks
					1964	421

12-hour

Date: 05/17/2019						
Time Interval	East Bound		West Bound			
	Cars	Trucks	Cars	Trucks		
12:00 - 13:00	177	25	360	20		
13:00 - 14:00	190	22	390	26		
14:00 - 15:00	218	23	335	7		
15:00 - 16:00	198	15	384	20		
16:00 - 17:00	192	20	495	25		
17:00 - 18:00	178	11	537	13		
18:00 - 19:00	160	6	430	8		
19:00 - 20:00	122	10	271	10		
20:00 - 21:00	145	20	150	11		
21:00 - 22:00	81	15	83	7		
22:00 - 23:00	48	7	36	12		
23:00 - 00:00	21	2	31	6		
Daily Total:	1730	176	3502	165	Combined daily total	
					Cars	Trucks
					5232	341

12-hour

Date: 05/18/2019						
Time Interval	East Bound		West Bound			
	Cars	Trucks	Cars	Trucks		
00:00 - 01:00	20	6	23	5		
01:00 - 02:00	7	2	11	0		
02:00 - 03:00	8	4	7	5		
03:00 - 04:00	6	6	8	2		
04:00 - 05:00	6	2	11	2		
05:00 - 06:00	14	6	15	5		
06:00 - 07:00	32	3	56	2		
07:00 - 08:00	39	3	74	2		
08:00 - 09:00	75	7	142	12		
09:00 - 10:00	73	7	146	4		
10:00 - 11:00	138	4	259	10		
11:00 - 12:00	160	4	300	9		
Daily Total:	578	54	1052	58	Combined daily total	
					Cars	Trucks
					1630	112

12-hour

12-hour Interval Summary							
Date: 05/16/2019	East Bound		West Bound		Combined total		
12 hour total:	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
	1556	269	2076	244	3632	513	12%
Date: 05/17/2019	East Bound		West Bound		Combined total		
12 hour total:	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
	945	192	1019	229	1964	421	18%
Date: 05/17/2019	East Bound		West Bound		Combined total		
12 hour total:	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
	1730	176	3502	165	5232	341	6%
Date: 05/18/2019	East Bound		West Bound		Combined total		
12 hour total:	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
	578	54	1052	58	1630	112	6%

24-hour Interval Summary							
Date: 05/16/2019	East Bound		West Bound		Combined total		
Date: 05/17/2019	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
24 hour total:	2501	461	3095	473	5596	934	14%
Date: 05/17/2019	East Bound		West Bound		Combined total		
Date: 05/18/2019	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
24 hour total:	2308	230	4554	223	6862	453	6%

48-hour Interval Summary							
Combined 48-hour Total	East Bound		West Bound		Combined total		
	Cars	Trucks	Cars	Trucks	Cars	Trucks	% Trucks
	4809	691	7649	696	12458	1387	10%