

Appendix A – MOE STAMSON Traffic Noise  
Modelling Parameters for Modelling of Surface  
Alternatives (1A, 1B, 2A, 2B, 3)

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# Appendix A1 – Baseline Modelling Input Parameters – 2006, 2015, 2025, 2035

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BASELINE (No Build Scenarios)			Road Segment				2006				2015				2025			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	2006 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the South Side</b>																		
GH	R1	1-S	1	EC Row EB	Matchette	Huron Church	19899	1.7	1.8	91.4	22821	1.6	2.1	91.1	25107	1.5	2.3	90.9
			2	EC Row WB	Huron Church	Matchette	20535	1.4	0.9	93.4	23429	1.4	1.0	93.2	25695	1.3	0.9	93.0
			3	Malden Rd	Huron Church	Ambassador Dr	9987	3.4	5.2	91.7	11505	3.4	6.7	91.2	12630	3.2	7.5	91.0
			4	Spring Garden Rd	Huron Church	5th	4408	0.0	0.0	92.3	5044	0.0	0.0	92.2	5531	0.0	0.0	92.1
GH	R2	2-S	1	EC Row EB	Matchette	Huron Church	19899	1.7	1.8	91.4	22821	1.6	2.1	91.1	25107	1.5	2.3	90.9
			2	EC Row WB	Huron Church	Matchette	20535	1.4	0.9	93.4	23429	1.4	1.0	93.2	25695	1.3	0.9	93.0
			3	Spring Garden	Huron Church	5th	4408	0.0	0.0	92.3	5044	0.0	0.0	92.2	5531	0.0	0.0	92.1
			4	Huron Church Rd NB	Labelle	ECR S Ramp	28060	2.1	14.1	81.3	31965	2.6	17.4	80.5	35615	2.7	19.4	80.4
			5	Huron Church Rd SB	ECR S Ramp	Labelle	25340	2.9	19.9	84.1	29451	3.3	25.1	83.4	32507	3.5	28.0	82.6
GH	R3	3-S	1	EC Row EB	Matchette	Huron Church	19899	1.7	1.8	91.4	22821	1.6	2.1	91.1	25107	1.5	2.3	90.9
			2	EC Row WB	Huron Church	Matchette	20535	1.4	0.9	93.4	23429	1.4	1.0	93.2	25695	1.3	0.9	93.0
			3	Huron Church Rd SB	ECR S Ramp	Labelle	25340	2.9	19.9	84.1	29451	3.3	25.1	83.4	32507	3.5	28.0	82.6
			4	Huron Church Rd NB	Labelle	ECR S Ramp	28060	2.1	14.1	81.3	31965	2.6	17.4	80.5	35615	2.7	19.4	80.4
			5	Spring Garden	Huron Church	5th	4408	0.0	0.0	92.3	5044	0.0	0.0	92.2	5531	0.0	0.0	92.1
GH	R4	4-S	1	Huron Church Rd SB	Labelle	Grand Marais	24143	3.2	22.0	84.6	28011	3.6	27.7	84.0	30920	3.9	31.2	83.2
			2	Huron Church Rd NB	Grand Marais	Labelle	24684	2.5	16.2	81.5	27924	3.0	19.9	80.9	31268	3.1	22.0	80.9
			3	Lambton	Fazio	Huron Church	16553	1.4	0.7	91.9	17833	1.3	0.6	91.7	19265	1.3	0.6	92.1
G-H	R5	5-S	1	Huron Church Rd SB	Labelle	Grand Marais	24143	3.2	22.0	84.6	28011	3.6	27.7	84.0	30920	3.9	31.2	83.2
			2	Huron Church Rd NB	Grand Marais	Labelle	24684	2.5	16.2	81.5	27924	3.0	19.9	80.9	31268	3.1	22.0	80.9
			5	Lambton	Fazio	Huron Church	16553	1.4	0.7	91.9	17833	1.3	0.6	91.7	19265	1.3	0.6	92.1
G-H	R6	6-S	1	Huron Church Rd SB	Grand Marais	Pulford	24340	3.3	23.3	83.4	28218	3.5	27.5	82.8	31085	3.6	30.0	82.1
			2	Huron Church Rd NB	Pulford	Grand Marais	22752	2.4	17.2	81.9	25785	3.0	20.8	81.2	28910	3.2	22.9	81.3
			3	Lambton	Huron Church	Fazio	16553	1.4	0.7	91.9	17833	1.3	0.6	91.7	19265	1.3	0.6	92.1
H-I	R1	7-S	1	Huron Church Rd SB	Reddock	Todd/Cabana	24797	3.4	23.6	83.7	28682	3.5	28.0	83.2	31599	3.7	30.4	82.6
			2	Huron Church Rd NB	Todd/Cabana	Reddock	22803	2.5	17.6	81.9	25820	3.1	21.2	81.3	28992	3.2	23.2	81.4
H-I	R2	8-S	1	Huron Church Rd SB	Reddock	Todd/Cabana	24797	3.4	23.6	83.7	28682	3.5	28.0	83.2	31599	3.7	30.4	82.6
			2	Huron Church Rd NB	Todd/Cabana	Reddock	22803	2.5	17.6	81.9	25820	3.1	21.2	81.3	28992	3.2	23.2	81.4
			3	Todd Lane	Huron Church	10th	17939	0.0	0.0	93.3	20437	0.0	0.0	93.2	22400	0.0	0.0	93.1
H-I	R3	9-S	1	Huron Church Rd SB	Todd/Cabana	Huron Church Line	20849	2.8	19.5	83.9	23149	3.1	25.1	83.4	24546	3.2	27.0	83.1
			2	Huron Church Rd NB	Huron Church Line	Todd/Cabana	20653	2.1	14.5	83.7	23495	2.7	18.4	83.0	26468	2.9	20.9	83.0
			3	Todd Lane	Huron Church	10th	17939	0.0	0.0	93.3	20437	0.0	0.0	93.2	22400	0.0	0.0	93.1
H-I	R4	10-S	1	Talbot Rd EB	Huron Church Line	St. Clair College	16394	3.2	23.5	81.8	18289	3.8	32.0	80.8	19554	4.4	38.0	80.0
			2	Talbot Rd WB	St. Clair College	Huron Church Line	14360	2.3	17.4	83.2	15541	3.2	24.0	81.0	16057	3.8	29.3	80.3
			3	Huron Church Line	Talbot	Normandy	14177	1.3	0.7	92.7	16215	1.2	0.8	92.6	17858	1.4	2.6	92.5
I-J	R1	11-S	1	Talbot Rd EB	Huron Church Line	St. Clair College	16394	3.2	23.5	81.8	18289	3.8	32.0	80.8	19554	4.4	38.0	80.0
			2	Talbot Rd WB	St. Clair College	Huron Church Line	14360	2.3	17.4	83.2	15541	3.2	24.0	81.0	16057	3.8	29.3	80.3
I-J	R2	12-S	1	Talbot Rd EB	St. Clair College	Cousineau	15372	3.2	23.6	83.9	17188	3.9	32.8	83.1	18396	4.4	38.7	82.5
			2	Talbot Rd WB	Cousineau	St. Clair College	19045	2.3	17.8	82.0	20984	3.3	24.7	79.6	22267	3.9	30.5	78.4
			3	Cousineau Dr	W.Talbot Rd		14813	2.9	1.4	93.7	16845	2.9	1.4	93.5	18458	2.6	1.3	93.5
J-K	R1	13-S	1	Talbot Rd EB	Cousineau	Montgomery	13876	3.3	22.3	82.5	15345	3.8	31.3	81.5	16178	4.3	37.0	80.8
			2	Talbot Rd WB	Montgomery	Cousineau	17248	2.3	16.3	83.4	18822	3.2	22.4	81.5	19615	3.7	27.6	80.8
			3	Cousineau Dr	W.Talbot Rd		14813	2.9	1.4	93.7	16845	2.9	1.4	93.5	18458	2.6	1.3	93.5
J-K	R2	14-S	1	Talbot Rd EB	Cousineau	Montgomery	13876	3.3	22.3	82.5	15345	3.8	31.3	81.5	16178	4.3	37.0	80.8
			2	Talbot Rd WB	Montgomery	Cousineau	17248	2.3	16.3	83.4	18822	3.2	22.4	81.5	19615	3.7	27.6	80.8
J-K	R3	15-S	1	Talbot Rd EB	Grosvenor	Howard	13442	3.3	21.1	82.8	14871	3.5	28.0	82.1	15712	3.9	32.3	81.5
			2	Talbot Rd WB	Howard	Grosvenor	17123	2.3	15.6	83.5	18396	3.1	20.6	81.6	18892	3.5	24.9	81.1
			3	Howard Ave	Talbot	Eastbourne	10702	1.7	0.9	92.6	12203	1.6	0.8	92.5	13373	1.6	0.8	92.4
K-L	R1	16-S	1	Talbot Rd EB	Howard	Hwy3/401	14894	3.1	18.3	82.4	16411	3.2	22.0	81.8	17431	3.5	26.2	81.2
			2	Talbot Rd WB	Hwy3/401	Howard	17684	2.4	14.2	84.1	19063	2.8	15.9	83.0	19795	3.0	18.8	82.7
			3	Howard	Eastbourne	6th Conc.	10370	1.7	0.9	92.9	11816	1.8	0.9	92.7	12949	1.8	0.9	92.7
L-M	R1	17-S	1	Hwy 401 EB	E. of Hwy3/401 split		7353	4.8	34.3	73.6	8325	4.4	38.9	74.1	9041	5.0	46.0	73.6
			2	Hwy 401 WB	E. of Hwy3/401 split		6472	3.0	33.6	70.1	6901	4.8	37.0	67.8	8278	4.9	38.2	70.9

BASELINE (No Build Scenarios)			Road Segment				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
<b>Receptors on the South Side</b>																	
GH	R1	1-S	1	EC Row EB	Matchette	Huron Church	27120	1.5	2.6	90.8	100	A	379	382			
			2	EC Row WB	Huron Church	Matchette	27688	1.3	1.0	92.9	100	A	398	401			
			3	Malden Rd	Huron Church	Ambassador Dr	13762	3.5	13.1	90.7	60	R	54	57			
			4	Spring Garden Rd	Huron Church	5th	5953	0.0	0.0	92.2	50	R	31	17			
GH	R2	2-S	1	EC Row EB	Matchette	Huron Church	27120	1.5	2.6	90.8	100	A	321	312			
			2	EC Row WB	Huron Church	Matchette	27688	1.3	1.0	92.9	100	A	340	332			
			3	Spring Garden	Huron Church	5th	5953	0.0	0.0	92.2	50	A	32	21			
			4	Huron Church Rd NB	Labelle	ECR S Ramp	38122	3.0	21.9	80.0	60	A	496	492			
			5	Huron Church Rd SB	ECR S Ramp	Labelle	34831	3.8	31.4	82.1	60	A	483	479			
GH	R3	3-S	1	EC Row EB	Matchette	Huron Church	27120	1.5	2.6	90.8	100	A	425	428			
			2	EC Row WB	Huron Church	Matchette	27688	1.3	1.0	92.9	100	A	445	448			
			3	Huron Church Rd SB	ECR S Ramp	Labelle	34831	3.8	31.4	82.1	60	A	306	303			
			4	Huron Church Rd NB	Labelle	ECR S Ramp	38122	3.0	21.9	80.0	60	A	322	319			
			5	Spring Garden	Huron Church	5th	5953	0.0	0.0	92.2	50	A	112	115			
GH	R4	4-S	1	Huron Church Rd SB	Labelle	Grand Marais	33191	4.3	35.0	82.6	60	A	180	171			
			2	Huron Church Rd NB	Grand Marais	Labelle	33294	3.4	24.7	80.5	60	A	193	188			
			3	Lambton	Fazio	Huron Church	20062	1.3	0.6	92.0	50	A	345	348			
G-H	R5	5-S	1	Huron Church Rd SB	Labelle	Grand Marais	33191	4.3	35.0	82.6	60	A	114	111	1.524	6	0
			2	Huron Church Rd NB	Grand Marais	Labelle	33294	3.4	24.7	80.5	60	A	130	127			
			5	Lambton	Fazio	Huron Church	20062	1.3	0.6	92.0	50	R	30	18			
G-H	R6	6-S	1	Huron Church Rd SB	Grand Marais	Pulford	33350	4.0	33.5	81.5	60	R	94	91	1.83	9	2
			2	Huron Church Rd NB	Pulford	Grand Marais	30801	3.4	25.5	81.0	60	R	109	106			
			3	Lambton	Huron Church	Fazio	20062	1.3	0.6	92.0	50	R	61	64			
H-I	R1	7-S	1	Huron Church Rd SB	Reddock	Todd/Cabana	34054	4.0	33.9	82.1	60	A	181	179			
			2	Huron Church Rd NB	Todd/Cabana	Reddock	30868	3.4	25.7	81.1	60	A	198	195			
H-I	R2	8-S	1	Huron Church Rd SB	Reddock	Todd/Cabana	34054	4.0	33.9	82.1	60	A	368	365			
			2	Huron Church Rd NB	Todd/Cabana	Reddock	30868	3.4	25.7	81.1	60	A	385	380			
			3	Todd Lane	Huron Church	10th	24115	0.0	0.0	93.2	50	R	47	25			
H-I	R3	9-S	1	Huron Church Rd SB	Todd/Cabana	Huron Church Line	26280	3.5	29.4	82.9	60	A	380	366			
			2	Huron Church Rd NB	Huron Church Line	Todd/Cabana	28224	3.1	23.0	82.8	60	A	399	379			
			3	Todd Lane	Huron Church	10th	24115	0.0	0.0	93.2	50	A	38	27			
H-I	R4	10-S	1	Talbot Rd EB	Huron Church Line	St. Clair College	21154	5.0	44.1	79.4	80	A	273	269			
			2	Talbot Rd WB	St. Clair College	Huron Church Line	16730	4.2	33.7	78.8	80	A	285	281			
			3	Huron Church Line	Talbot	Normandy	19234	1.4	2.8	92.5	60	A	211	214			
I-J	R1	11-S	1	Talbot Rd EB	Huron Church Line	St. Clair College	21154	5.0	44.1	79.4	80	A	158	161			
			2	Talbot Rd WB	St. Clair College	Huron Church Line	16730	4.2	33.7	78.8	80	A	175	178			
I-J	R2	12-S	1	Talbot Rd EB	St. Clair College	Cousineau	19915	5.0	44.8	82.1	80	A	221	214			
			2	Talbot Rd WB	Cousineau	St. Clair College	23469	4.3	35.0	76.9	80	A	237	230			
			3	Cousineau Dr	W.Talbot Rd		19874	2.1	1.0	93.5	50	A	33	21			
J-K	R1	13-S	1	Talbot Rd EB	Cousineau	Montgomery	17372	4.9	42.4	80.5	80	R	78	75			
			2	Talbot Rd WB	Montgomery	Cousineau	20548	4.0	31.2	79.5	80	R	94	91			
			3	Cousineau Dr	W.Talbot Rd		19874	2.1	1.0	93.5	50	R	41	35			
J-K	R2	14-S	1	Talbot Rd EB	Cousineau	Montgomery	17372	4.9	42.4	80.5	80	A	75	78			
			2	Talbot Rd WB	Montgomery	Cousineau	20548	4.0	31.2	79.5	80	A	88	92			
J-K	R3	15-S	1	Talbot Rd EB	Grosvenor	Howard	16851	4.3	36.8	81.3	80	A	215	218			
			2	Talbot Rd WB	Howard	Grosvenor	19554	3.8	28.5	79.7	80	A	230	233			
			3	Howard Ave	Talbot	Eastbourne	14390	1.6	0.8	92.4	60	A	54	57			
K-L	R1	16-S	1	Talbot Rd EB	Howard	Hwy3/401	18595	3.8	28.8	81.1	80	R	246	227			
			2	Talbot Rd WB	Hwy3/401	Howard	20587	3.2	21.1	81.7	80	R	263	244			
			3	Howard	Eastbourne	6th Conc.	13940	1.9	0.9	92.7	60	R	121	119			
L-M	R1	17-S	1	Hwy 401 EB	E. of Hwy3/401 split		9706	5.5	50.2	73.7	100	A	107	110			
			2	Hwy 401 WB	E. of Hwy3/401 split		8663	5.2	41.5	69.7	100	A	122	125			

BASELINE (No Build Scenarios)			Road Segment				2006				2015				2025			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	2006 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the North Side</b>																		
GH	R1	1-N	1	Huron Church Rd SB	Labelle	Grand Marais	24143	3.2	22.0	84.6	28011	3.6	27.7	84.0	30920	3.9	31.2	83.2
			2	Huron Church Rd NB	Grand Marais	Labelle	24684	2.5	16.2	81.5	27924	3.0	19.9	80.9	31268	3.1	22.0	80.9
			3	Labelle St	Huron Church	Youngstown	4794	0.0	0.0	89.2	5715	0.0	0.0	89.7	6268	0.0	0.0	89.6
GH	R2	2-N	1	Huron Church Rd SB	Labelle	Grand Marais	24143	3.2	22.0	84.6	28011	3.6	27.7	84.0	30920	3.9	31.2	83.2
			2	Huron Church Rd NB	Grand Marais	Labelle	24684	2.5	16.2	81.5	27924	3.0	19.9	80.9	31268	3.1	22.0	80.9
GH	R3	3-N	1	Huron Church Rd SB	Grand Marais	Pulford	24340	3.3	23.3	83.4	28218	3.5	27.5	82.8	31085	3.6	30.0	82.1
			2	Huron Church Rd NB	Pulford	Grand Marais	22752	2.4	17.2	81.9	25785	3.0	20.8	81.2	28910	3.2	22.9	81.3
H-I	R1	4-N	1	Huron Church Rd SB	Reddock	Todd/Cabana	24797	3.4	23.6	83.7	28682	3.5	28.0	83.2	31599	3.7	30.4	82.6
			2	Huron Church Rd NB	Todd/Cabana	Reddock	22803	2.5	17.6	81.9	25820	3.1	21.2	81.3	28992	3.2	23.2	81.4
			3	Cabana Rd	Huron Church	Daytona	15405	0.0	0.0	92.4	17411	0.0	0.0	92.0	18818	0.0	0.0	91.8
H-I	R2	5-N	1	Huron Church Rd SB	Todd/Cabana	Huron Church Line	20849	2.8	19.5	83.9	23149	3.1	25.1	83.4	24546	3.2	27.0	83.1
			2	Huron Church Rd NB	Huron Church Line	Todd/Cabana	20653	2.1	14.5	83.7	23495	2.7	18.4	83.0	26468	2.9	20.9	83.0
			3	Cabana Rd	Huron Church	Daytona	15405	0.0	0.0	92.4	17411	0.0	0.0	92.0	18818	0.0	0.0	91.8
H-I	R3	6-N	1	Talbot Rd EB	Huron Church Line	St. Clair College	16394	3.2	23.5	81.8	18289	3.8	32.0	80.8	19554	4.4	38.0	80.0
			2	Talbot Rd WB	St. Clair College	Huron Church Line	14360	2.3	17.4	83.2	15541	3.2	24.0	81.0	16057	3.8	29.3	80.3
I-J	R1	7-N	1	Talbot Rd EB	St. Clair College	Cousineau	15372	3.2	23.6	83.9	17188	3.9	32.8	83.1	18396	4.4	38.7	82.5
			2	Talbot Rd WB	Cousineau	St. Clair College	19045	2.3	17.8	82.0	20984	3.3	24.7	79.6	22267	3.9	30.5	78.4
			3	Cousineau Dr	E. of Talbot		8411	0.0	0.0	92.5	9542	0.0	0.0	92.3	10453	0.0	0.0	92.2
J-K	R1	8-N	1	Talbot Rd EB	Cousineau	Montgomery	13876	3.3	22.3	82.5	15345	3.8	31.3	81.5	16178	4.3	37.0	80.8
			2	Talbot Rd WB	Montgomery	Cousineau	17248	2.3	16.3	83.4	18822	3.2	22.4	81.5	19615	3.7	27.6	80.8
			3	Cousineau Dr	E. of Talbot		8411	0.0	0.0	92.5	9542	0.0	0.0	92.3	10453	0.0	0.0	92.2
J-K	R2	9-N	1	Talbot Rd EB	Montgomery	Surrey	13688	3.3	22.3	82.6	15134	3.8	31.3	81.6	15953	4.3	37.0	80.9
			2	Talbot Rd WB	Surrey	Montgomery	17213	2.3	16.3	83.4	18528	3.2	22.5	81.3	19068	3.7	27.7	80.6
J-K	R3	10-N	1	Talbot Rd EB	Grosvenor	Howard	13442	3.3	21.1	82.8	14871	3.5	28.0	82.1	15712	3.9	32.3	81.5
			2	Talbot Rd WB	Howard	Grosvenor	17123	2.3	15.6	83.5	18396	3.1	20.6	81.6	18892	3.5	24.9	81.1
			3	Howard Ave	E. of Talbot Rd		14572	1.2	0.7	92.9	16639	1.2	0.8	92.6	18247	1.1	0.8	92.6
K-L	R1	11-N	1	Talbot Rd EB	Howard	Hwy3/401	14894	3.1	18.3	82.4	16411	3.2	22.0	81.8	17431	3.5	26.2	81.2
			2	Talbot Rd WB	Hwy3/401	Howard	17684	2.4	14.2	84.1	19063	2.8	15.9	83.0	19795	3.0	18.8	82.7
			3	Howard Ave	E. of Talbot Rd		14572	1.2	0.7	92.9	16639	1.2	0.8	92.6	18247	1.1	0.8	92.6
K-L	R2	12-N	1	Talbot Rd EB	Howard	Hwy3/401	14894	3.1	18.3	82.4	16411	3.2	22.0	81.8	17431	3.5	26.2	81.2
			2	Talbot Rd WB	Hwy3/401	Howard	17684	2.4	14.2	84.1	19063	2.8	15.9	83.0	19795	3.0	18.8	82.7
L-M	R1	13-N	1	Hwy 401 NB	E. of Hwy3/401 split		7353	4.8	34.3	73.6	8325	4.4	38.9	74.1	9041	5.0	46.0	73.6
			2	Hwy 401 SB	E. of Hwy3/401 split		6472	3.0	33.6	70.1	6901	4.8	37.0	67.8	8278	4.9	38.2	70.9

BASELINE (No Build Scenarios)			Road Segment				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
													(m)	(m)			
<b>Receptors on the North Side</b>																	
GH	R1	1-N	1	Huron Church Rd SB	Labelle	Grand Marais	33191	4.3	35.0	82.6	60	A	60	57	2.43	4	2
			2	Huron Church Rd NB	Grand Marais	Labelle	33294	3.4	24.7	80.5	60	A	47	45			
			3	Labelle St	Huron Church	Youngstown	6734	0.0	0.0	89.6	50	A	71	79			
GH	R2	2-N	1	Huron Church Rd SB	Labelle	Grand Marais	33191	4.3	35.0	82.6	60	A	67	64	2.43	5	2
			2	Huron Church Rd NB	Grand Marais	Labelle	33294	3.4	24.7	80.5	60	A	51	48			
GH	R3	3-N	1	Huron Church Rd SB	Grand Marais	Pulford	33350	4.0	33.5	81.5	60	R	64	67	1.52	8	0
			2	Huron Church Rd NB	Pulford	Grand Marais	30801	3.4	25.5	81.0	60	R	51	54			
H-I	R1	4-N	1	Huron Church Rd SB	Reddock	Todd/Cabana	34054	4.0	33.9	82.1	60	A	87	79			
			2	Huron Church Rd NB	Todd/Cabana	Reddock	30868	3.4	25.7	81.1	60	A	71	63			
			3	Cabana Rd	Huron Church	Daytona	20408	0.0	0.0	91.7	50	R	26	29			
H-I	R2	5-N	1	Huron Church Rd SB	Todd/Cabana	Huron Church Line	26280	3.5	29.4	82.9	60	R	32	35			
			2	Huron Church Rd NB	Huron Church Line	Todd/Cabana	28224	3.1	23.0	82.8	60	R	16	19			
			3	Cabana Rd	Huron Church	Daytona	20408	0.0	0.0	91.7	50	R	36	23			
H-I	R3	6-N	1	Talbot Rd EB	Huron Church Line	St. Clair College	21154	5.0	44.1	79.4	80	R	82	85			
			2	Talbot Rd WB	St. Clair College	Huron Church Line	16730	4.2	33.7	78.8	80	R	64	67			
I-J	R1	7-N	1	Talbot Rd EB	St. Clair College	Cousineau	19915	5.0	44.8	82.1	60	A	180	183			
			2	Talbot Rd WB	Cousineau	St. Clair College	23469	4.3	35.0	76.9	80	A	167	170			
			3	Cousineau Dr	E. of Talbot		11230	0.0	0.0	92.2	80	A	166	162			
J-K	R1	8-N	1	Talbot Rd EB	Cousineau	Montgomery	17372	4.9	42.4	80.5	80	R	128	113			
			2	Talbot Rd WB	Montgomery	Cousineau	20548	4.0	31.2	79.5	80	R	113	98			
			3	Cousineau Dr	E. of Talbot		11230	0.0	0.0	92.2	50	R	15	18			
J-K	R2	9-N	1	Talbot Rd EB	Montgomery	Surrey	17131	4.9	42.5	80.5	80	A	353	335			
			2	Talbot Rd WB	Surrey	Montgomery	19743	4.0	31.5	79.2	80	A	338	319			
J-K	R3	10-N	1	Talbot Rd EB	Grosvenor	Howard	16851	4.3	36.8	81.3	80	R	75	78	2.43	24	2.5
			2	Talbot Rd WB	Howard	Grosvenor	19554	3.8	28.5	79.7	80	R	59	62			
			3	Howard Ave	E. of Talbot Rd		19652	1.2	0.8	92.6	60	R	173	165			
K-L	R1	11-N	1	Talbot Rd EB	Howard	Hwy3/401	18595	3.8	28.8	81.1	80	R	63	66	3.048	13	0
			2	Talbot Rd WB	Hwy3/401	Howard	20587	3.2	21.1	81.7	80	R	45	49			
			3	Howard Ave	E. of Talbot Rd		19652	1.2	0.8	92.6	60	R	131	134			
K-L	R2	12-N	1	Talbot Rd EB	Howard	Hwy3/401	18595	3.8	28.8	81.1	80	R	64	67	3.048	9	0
			2	Talbot Rd WB	Hwy3/401	Howard	20587	3.2	21.1	81.7	80	A	29	32			
L-M	R1	13-N	1	Hwy 401 NB	E. of Hwy3/401 split		9706	5.5	50.2	73.7	100	A	76	79	3.048	15	0
			2	Hwy 401 SB	E. of Hwy3/401 split		8663	5.2	41.5	69.7	100	A	60	63			

Appendix A2 – Access Road Alternatives  
Modelling Input Parameters - 2015, 2025,  
2035

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Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the South Side</b>																			
GH	R1-A	1A-S	1	South Service Road (Spring Garden)	W. of Huron Church (use 2A traffic data)			5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	12	14235	5.40	49.85	81.6	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	12	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			4	401 NB On Ramp-25	EC Row Expressway to Hwy 401		5	2083	3.38	33.77	76.2	2521	3.49	34.86	75.0	3029	3.49	34.94	74.5
			5	401 SB Ramp-26	401 SB Off Ramp	EC EB	5	13343	1.65	6.02	84.7	14976	1.72	6.73	84.6	18144	1.77	7.13	82.8
			6	401 NB On Ramp-22	Ojibway Pkwy IC		0	1503	1.77	17.70	67.1	1688	1.92	19.23	66.6	1807	2.07	20.65	66.1
			7	EC Row EB	At Malden Rd			29489	1.35	3.28	92.4	33065	1.39	3.76	92.4	37671	1.38	3.75	92.0
			8	EC Row WB	At Malden Rd			23221	1.35	2.52	91.8	29631	1.34	2.77	91.3	34317	1.34	2.98	90.7
			9	Malden Rd	Chappus	401 S .Ramp		21182	1.61	0.81	93.8	22881	1.62	0.81	94.0	22384	1.62	0.81	94.1
GH	R1	1-S	1	South Service Road (Spring Garden)	W. of Huron Church (use 2A traffic data)			5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	12	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	12	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			4	EC Row EB	At Malden Rd			29489	1.35	3.28	92.4	33065	1.39	3.76	92.4	37671	1.38	3.75	92.0
			5	EC Row WB	At Malden Rd			23221	1.35	2.52	91.8	29631	1.34	2.77	91.3	34317	1.34	2.98	90.7
GH	R2-A	2A-S	1	N.Service Rd	N.of Labelle St			25245	1.25	0.62	90.6	28297	1.28	0.64	90.5	30429	1.35	0.68	90.6
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	12	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	12	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			4	401 NB On Ramp-22	Ojibway Pkwy IC		0	1503	1.77	17.70	67.1	1688	1.92	19.23	66.6	1807	2.07	20.65	66.1
			5	EC Row EB	At Malden Rd			29489	1.35	3.28	92.4	33065	1.39	3.76	92.4	37671	1.38	3.75	92.0
			6	EC Row WB	At Malden Rd			23221	1.35	2.52	91.8	29631	1.34	2.77	91.3	34317	1.34	2.98	90.7
			7	401 SB Off Ramp-26	Hwy 401 to EC Row Expressway EB		0	13343	1.65	6.02	84.7	14976	1.72	6.73	84.6	18144	1.77	7.13	82.8
			8	Spring Garden	Spring Garden	W. of Huron Church-	0	5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
9	401 SB On Ramp	SB On Ramp from Huron Church		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6			



Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
<b>Receptors on the South Side</b>															
GH	R1-A	1A-S	1	South Service Road (Spring Garden)	W. of Huron Church (use 2A traffic data)		50	R	31	17	31	17			
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	238.5	241.5	233	236			
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	255.5	258.5	250	253			
			4	401 NB On Ramp-25	EC Row Expressway to Hwy 401		60	A	339.8	342.8	338	341			
			5	401 SB Ramp-26	401 SB Off Ramp	EC EB	60	A	196.8	199.8	195	198			
			6	401 NB On Ramp-22	Ojibway Pkwy IC		50	A	338.8	341.8	337	340			
			7	EC Row EB	At Malden Rd		100	A	379	382	379	382			
			8	EC Row WB	At Malden Rd		100	A	398	401	398	401			
			9	Malden Rd	Chappus	401 S .Ramp	60	R	54	57	54	57			
GH	R1	1-S	1	South Service Road (Spring Garden)	W. of Huron Church (use 2A traffic data)		50	R	31	17	31	17			
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	280.5	283.5	275	278			
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	299.5	302.5	294	297			
			4	EC Row EB	At Malden Rd		100	A	379	382	379	382			
			5	EC Row WB	At Malden Rd		100	A	398	401	398	401			
GH	R2-A	2A-S	1	N.Service Rd	N.of Labelle St		60	A	497.5	491.5	494	488			
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	72.5	60.5	67	55			
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	90.5	80.5	85	75			
			4	401 NB On Ramp-22	Ojibway Pkwy IC		50	A	113.8	103.8	112	102			
			5	EC Row EB	At Malden Rd		100	A	321	312	321	312			
			6	EC Row WB	At Malden Rd		100	A	340	332	340	332			
			7	401 SB Off Ramp-26	Hwy 401 to EC Row Expressway EB		60	A	498.8	495.8	497	494			
			8	Spring Garden	Spring Garden	W. of Huron Church-	50	A	32	21	32	21			
			9	401 SB On Ramp	SB On Ramp from Huron Church		60	A	494.8	497.8	493	496			

Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
GH	R2	2-S	1	N.Service Rd	N.of Labelle St			25245	1.25	0.62	90.6	28297	1.28	0.64	90.5	30429	1.35	0.68	90.6
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	0	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	0	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			4	EC Row EB	At Malden Rd			29489	1.35	3.28	92.4	33065	1.39	3.76	92.4	37671	1.38	3.75	92.0
			5	EC Row WB	At Malden Rd			23221	1.35	2.52	91.8	29631	1.34	2.77	91.3	34317	1.34	2.98	90.7
			6	401 SB Ramp	SB On Ramp from Huron Church		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
			7	Spring Garden	Spring Garden	W. of Huron Church-		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
GH	R3-A	3A-S	1	Parallel Rd	Spring Garden	W. of Huron Church-		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	N.Service Rd	N.of Labelle St			25245	1.25	0.62	90.6	28297	1.28	0.64	90.5	30429	1.35	0.68	90.6
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	-8	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	-8	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	EC Row EB	At Malden Rd			29489	1.35	3.28	92.4	33065	1.39	3.76	92.4	37671	1.38	3.75	92.0
			6	EC Row WB	At Malden Rd			23221	1.35	2.52	91.8	29631	1.34	2.77	91.3	34317	1.34	2.98	90.7
			7	401 SB Ramp	SB On Ramp from Huron Church		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
			8	401 NB On Ramp	Ojibway Pkwy IC		0	1503	1.77	17.70	67.1	1688	1.92	19.23	66.6	1807	2.07	20.65	66.1
GH	R3	3-S	1	Parallel Rd	Spring Garden	W. of Huron Church		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	N.Service Rd	N.of Labelle St			25245	1.25	0.62	90.6	28297	1.28	0.64	90.5	30429	1.35	0.68	90.6
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	-8	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	-8	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	EC Row EB	At Malden Rd			29489	1.35	3.28	92.4	33065	1.39	3.76	92.4	37671	1.38	3.75	92.0
			6	EC Row WB	At Malden Rd			23221	1.35	2.52	91.8	29631	1.34	2.77	91.3	34317	1.34	2.98	90.7
			7	401 SB Ramp	SB On Ramp from Huron Church		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
GH	R4-A	4A-S	1	Lamont Ave	Spring Garden	W. of Huron Church-		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	N.Service Rd	Labelle St	N.Service Road and 401 NB Off Ramp		33170	1.10	0.55	91.4	37940	1.11	0.56	91.0	41185	1.21	0.61	91.3
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	-9	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	-9	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	401 SB Ramp	SB On Ramp from Huron Church		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
GH	R2	2-S	1	N.Service Rd	N.of Labelle St		60	A	498.5	495.5	495	492			
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	188.5	175.5	183	170			
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	206.5	194.5	201	189			
			4	EC Row EB	At Malden Rd		100	A	321	312	321	312			
			5	EC Row WB	At Malden Rd		100	A	340	332	340	332			
			6	401 SB Ramp	SB On Ramp from Huron Church		60	A	494.8	497.8	493	496			
			7	Spring Garden	Spring Garden	W. of Huron Church-	50	A	32	21	32	21			
GH	R3-A	3A-S	1	Parallel Rd	Spring Garden	W. of Huron Church-	50	A	37	17	37	17			
			2	N.Service Rd	N.of Labelle St		60	A	321.5	324.5	318	321			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	53.5	56.5	48	51			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	70.5	73.5	65	68			
			5	EC Row EB	At Malden Rd		100	A	425	428	425	428			
			6	EC Row WB	At Malden Rd		100	A	445	448	445	448			
			7	401 SB Ramp	SB On Ramp from Huron Church		60	A	249.8	243.8	248	242			
			8	401 NB On Ramp	Ojibway Pkwy IC		50	A	264.8	267.8	263	266			
GH	R3	3-S	1	Parallel Rd	Spring Garden	W. of Huron Church	50	A	37	17	37	17			
			2	N.Service Rd	N.of Labelle St		60	A	321.5	324.5	318	321			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	158.5	161.5	153	156			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	176.5	179.5	171	174			
			5	EC Row EB	At Malden Rd		100	A	425	428	425	428			
			6	EC Row WB	At Malden Rd		100	A	445	448	445	448			
			7	401 SB Ramp	SB On Ramp from Huron Church		60	A	249.8	243.8	248	242			
GH	R4-A	4A-S	1	Lamont Ave	Spring Garden	W. of Huron Church-	50	R	41	16	41	16			
			2	N.Service Rd	Labelle St	N.Service Road and 401 NB Off Ramp	60	A	199.5	184.5	196	181			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	105.5	89.5	100	84			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	123.5	107.5	118	102			
			5	401 SB Ramp	SB On Ramp from Huron Church		60	R	67.8	57.8	66	56			

Alternative 1A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
GH	R4	4-S	1	Lamont Ave	Spring Garden	W. of Huron Church-		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2	
			2	N.Service Rd	Labelle St	N.Service Road and 401 NB Off Ramp		33170	1.10	0.55	91.4	37940	1.11	0.56	91.0	41185	1.21	0.61	91.3	
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp		-9	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp		-9	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	401 SB Ramp	SB On Ramp from Huron Church			0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
G-H	R5	5-S	1	S.Service Rd	N. of Lambton			10483	1.01	0.50	92.3	12380	0.94	0.47	92.03	14423	0.94	0.47	92.2	
			2	N.Service Rd	GrandMarais Rd Ramp	Pulford			12425	0.82	0.41	90.2	13788	0.81	0.40	90.8	14568	0.92	0.46	90.4
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp		0	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401 NB Off Ramp		0	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1
			5	Lambton	Grand Marias Rd - W.of Connecting Ramp				10117	0.25	0.13	92.8	11116	0.26	0.13	92.8	12140	0.27	0.14	92.8
G-H	R6	6-S	1	S.Service Rd	N. of Lambton			10483	1.01	0.50	92.3	12380	0.94	0.47	92.03	14423	0.94	0.47	92.2	
			2	N.Service Rd	GrandMarais Rd Ramp	Pulford			12425	0.82	0.41	90.2	13788	0.81	0.40	90.8	14568	0.92	0.46	90.4
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp		0	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp		0	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1
			5	Parallel Rd	Fazio Dr - W. of S.Service Rd				5961	0.96	0.48	93.7	6831	0.94	0.47	93.9	8183	0.92	0.46	93.2
			6	Lambton	Grand Marias Rd - W.of Connecting Ramp				10117	0.25	0.13	92.8	11116	0.26	0.13	92.8	12140	0.27	0.14	92.8
			7	Fazio	W. of S.Service Rd				5961	0.96	0.48	93.7	6831	0.94	0.47	93.9	8183	0.92	0.46	93.2
H-I	R1	7-S	1	S.Service Rd	Lambton	Todd		9429	0.87	0.43	92.13	11489	0.77	0.39	91.93	13362	0.77	0.39	92.2	
			2	N.Service Rd	Pulford	Todd			12314	0.88	0.44	90.8	14331	0.86	0.43	91.0	15197	0.98	0.49	90.7
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp		0	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp		0	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
GH	R4	4-S	1	Lamont Ave	Spring Garden	W. of Huron Church-	50	R	41	16	41	16			
			2	N.Service Rd	Labelle St	N.Service Road and 401 NB Off Ramp	60	A	199.5	184.5	196	181			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	142.5	129.5	137	124			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB On Ramp	100	A	161.5	146.5	156	141			
			5	401 SB Ramp	SB On Ramp from Huron Church		60	R	67.8	57.8	66	56			
G-H	R5	5-S	1	S.Service Rd	N. of Lambton		60	A	88.5	85.5	85	82	1.524	6	0
			2	N.Service Rd	GrandMarais Rd Ramp	Pulford	60	A	145.5	142.5	142	139			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	A	107.5	104.5	102	99			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401 NB Off Ramp	100	A	125.5	122.5	120	117			
			5	Lambton	Grand Marias Rd - W.of Connecting Ramp		50	R	30	18	30	18			
G-H	R6	6-S	1	S.Service Rd	N. of Lambton		60	R	67.5	70.5	64	67	1.83	9	2
			2	N.Service Rd	GrandMarais Rd Ramp	Pulford	60	R	124.5	127.5	121	124			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	R	86.5	89.5	81	84			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	R	104.5	107.5	99	102			
			5	Parallel Rd	Fazio Dr - W. of S.Service Rd		50	R	26	29	26	29			
			6	Lambton	Grand Marias Rd - W.of Connecting		50	R	61	64	61	64			
			7	Fazio	W. of S.Service Rd		50	R	46	43	46	43			
H-I	R1	7-S	1	S.Service Rd	Lambton	Todd	60	A	121.5	118.5	118	115	a Bungalow		
			2	N.Service Rd	Pulford	Todd	60	A	209.5	206.5	206	203			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	A	156.5	153.5	151	148			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	A	174.5	171.5	169	166			

Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
H-I	R2	8-S	1	S.Service Rd	Lambton	Todd		9429	0.87	0.43	92.13	11489	0.77	0.39	91.93	13362	0.77	0.39	92.2
			2	N.Service Rd	Pulford	Todd		12314	0.88	0.44	90.8	14331	0.86	0.43	91.0	15197	0.98	0.49	90.7
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	-8	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	-8	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1
			5	Todd Lane	W. HC Line			17415	0.00	0.00	92.7	17903	0.00	0.00	92.7	18985	0.00	0.00	92.7
H-I	R3	9-S	1	S.Service Rd	Lambton	Todd		9429	0.87	0.43	92.13	11489	0.77	0.39	91.93	13362	0.77	0.39	92.2
			2	N.Service Rd	Pulford	Todd		12314	0.88	0.44	90.8	14331	0.86	0.43	91.0	15197	0.98	0.49	90.7
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	-8	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	-8	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1
			5	Todd Lane	W. HC Line			17415	0.00	0.00	92.7	17903	0.00	0.00	92.7	18985	0.00	0.00	92.7
H-I	R4	10-S	1	S.Service Rd	Todd Ln/Cabana Rd	St Clair College		16021	0.30	0.15	92.69	17084	0.33	0.17	92.63	18371	0.35	0.18	92.7
			2	N.Service Rd	Todd Ln/Cabana Rd	St Clair College		6976	0.00	0.00	94.0	7167	0.00	0.00	93.9	7428	0.0041	0.002	93.8
			3	Hwy 401 SB	HC Rd/401 SB on Ramp	St Clair 401 SB Off Ramp	-4	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB off Ramp	-4	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1
			5	Huron Church Line	S.of Todd Lane			18010	1.60	3.22	95.4	17903	0.00	0.00	92.7	26259	1.70	4.54	95.6
I-J	R1_1	11-S	1	S.Service Rd	Todd Ln/Cabana Rd	St Clair College		16021	0.30	0.15	92.69	17084	0.33	0.17	92.63	18371	0.35	0.18	92.7
			2	N.Service Rd	Todd Ln/Cabana Rd	St Clair College		6976	0.00	0.00	94.0	7167	0.00	0.00	93.9	7428	0.0041	0.002	93.8
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	0	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	0	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0
			5	401NB On Ramp	At St Clair College		0	4318	0.31	0.15	87.8	4457	0.33	0.16	87.5	4850	0.34	0.17	88.0
			6	401SB Off Ramp	At St Clair College		0	8288	0.74	1.50	83.6	8772	0.71	1.67	83.5	8911	0.72	1.93	83.1
I-J	R1_2	11-S	1	S.Service Rd	Todd Ln/Cabana Rd	St Clair College		16021	0.30	0.15	92.69	17084	0.33	0.17	92.63	18371	0.35	0.18	92.7
			2	N.Service Rd	Todd Ln/Cabana Rd	St Clair College		6976	0.00	0.00	94.0	7167	0.00	0.00	93.9	7428	0.0041	0.002	93.8
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	0	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	0	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0
			5	401NB On Ramp	At St Clair College		0	4318	0.31	0.15	87.8	4457	0.33	0.16	87.5	4850	0.34	0.17	88.0
			6	401SB Off Ramp	At St Clair College		0	8288	0.74	1.50	83.6	8772	0.71	1.67	83.5	8911	0.72	1.93	83.1

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
H-I	R2	8-S	1	S.Service Rd	Lambton	Todd	60	A	299.5	295.5	296	292			
			2	N.Service Rd	Pulford	Todd	60	A	356.5	352.5	353	349			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	A	321.5	315.5	316	310			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	A	338.5	333.5	333	328			
			5	Todd Lane	W. HC Line		50	R	47	25	47	25			
H-I	R3	9-S	1	S.Service Rd	Lambton	Todd	60	A	317.5	320.5	314	317			
			2	N.Service Rd	Pulford	Todd	60	A	382.5	385.5	379	382			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	A	343.5	346.5	338	341			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	A	360.5	363.5	355	358			
			5	Todd Lane	W. HC Line		50	A	38	27	38	27			
H-I	R4	10-S	1	S.Service Rd	Todd Ln/Cabana Rd	St Clair College	60	A	325.5	328.5	322	325			
			2	N.Service Rd	Todd Ln/Cabana Rd	St Clair College	60	A	382.5	385.5	379	382			
			3	Hwy 401 SB	HC Rd/401 SB on Ramp	St Clair 401 SB Off Ramp	100	A	344.5	347.5	339	342			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB off Ramp	100	A	363.5	366.5	358	361			
			5	Huron Church Line	S.of Todd Lane		60	A	118	122	118	122			
I-J	R1_1	11-S	1	S.Service Rd	Todd Ln/Cabana Rd	St Clair College	60	A	143.5	146.5	140	143			
			2	N.Service Rd	Todd Ln/Cabana Rd	St Clair College	60	A	225.5	228.5	222	225			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	A	175.5	178.5	170	173			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	A	194.5	197.5	189	192			
			5	401NB On Ramp	At St Clair College		60	A	206.8	209.8	205	208			
			6	401SB Off Ramp	At St Clair College		60	A	161.8	164.8	160	163			
I-J	R1_2	11-S	1	S.Service Rd	Todd Ln/Cabana Rd	St Clair College	60	A	145.5	148.5	142	145			
			2	N.Service Rd	Todd Ln/Cabana Rd	St Clair College	60	A	204.5	207.5	201	204			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	A	171.5	174.5	166	169			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	A	189.5	192.5	184	187			
			5	401NB On Ramp	At St Clair College		60	A	196.8	199.8	195	198			
			6	401SB Off Ramp	At St Clair College		60	A	164.8	167.8	163	166			

Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
I-J	R2_1	12-S	1	S.Service Rd	St Clair College	Cousineau Dr		9288	0.74	1.20	93.5	9834	0.71	1.37	93.3	10653	0.69	1.51	93.2
			2	N.Service Rd	St Clair College	Cousineau Dr		14452	0.34	0.17	89.9	14675	0.36	0.18	89.6	15278	0.38	0.19	89.7
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	-7	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	-7	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0
			5	401NB Off Ramp	At St Clair College		0	6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			6	401SB On Ramp	At St Clair College		0	5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
			7	Cousineau Dr	W.Service Rd			16158	0.54	0.27	92.6	17708	0.54	0.27	93.1	20212	0.59	0.29	92.9
I-J	R2_2	12-S	1	S.Service Rd	St Clair College	Cousineau Dr		9288	0.74	1.20	93.5	9834	0.71	1.37	93.3	10653	0.69	1.51	93.2
			2	N.Service Rd	St Clair College	Cousineau Dr		14452	0.34	0.17	89.9	14675	0.36	0.18	89.6	15278	0.38	0.19	89.7
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	-7	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	-7	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0
			5	401NB Off Ramp	At St Clair College		0	6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			6	401SB On Ramp	At St Clair College		0	5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
			7	Cousineau Dr	W.Service Rd			16158	0.54	0.27	92.6	17708	0.54	0.27	93.1	20212	0.59	0.29	92.9
J-K	R1_1	13-S	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	-7	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	-7	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0
			5	Cousineau Dr	W.Service Rd			16158	0.54	0.27	92.6	17708	0.54	0.27	93.1	20212	0.59	0.29	92.9
			6	401NB Off Ramp	At St Clair College		-3	6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			7	401SB On Ramp	At St Clair College		-3	5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
J-K	R1_2	13-S	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	-7	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	-7	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0
			5	Cousineau Dr	W.Service Rd			16158	0.54	0.27	92.6	17708	0.54	0.27	93.1	20212	0.59	0.29	92.9
			6	401NB Off Ramp	At St Clair College		-3	6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			7	401SB On Ramp	At St Clair College		-3	5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8



Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
I-J	R2_1	12-S	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	205.5	200.5	202	197			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	291.5	286.5	288	283			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	A	238.5	234.5	233	229			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	A	257.5	252.5	252	247			
			5	401NB Off Ramp	At St Clair College		60	A	283.8	278.8	282	277			
			6	401SB On Ramp	At St Clair College		60	A	212.8	209.8	211	208			
			7	Cousineau Dr	W.Service Rd		50	A	33	21	33	21			
I-J	R2_2	12-S	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	164.5	160.5	161	157			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	245.5	239.5	242	236			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	A	195.5	190.5	190	185			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	A	213.5	208.5	208	203			
			5	401NB Off Ramp	At St Clair College		60	A	238.8	232.8	237	231			
			6	401SB On Ramp	At St Clair College		60	A	171.8	165.8	170	164			
			7	Cousineau Dr	W.Service Rd		50	A	33	21	33	21			
J-K	R1_1	13-S	1	S.Service Rd	Cousineau Dr	Howard	60	R	63.5	66.5	60	63			
			2	N.Service Rd	Cousineau Dr	Howard	60	R	138.5	141.5	135	138			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	R	88.5	91.5	83	86			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	R	106.5	109.5	101	104			
			5	Cousineau Dr	W.Service Rd		50	R	41	35	41	35			
			6	401NB Off Ramp	At St Clair College		60	R	116.8	119.8	115	118			
			7	401SB On Ramp	At St Clair College		60	R	77.8	80.8	76	79			
J-K	R1_2	13-S	1	S.Service Rd	Cousineau Dr	Howard	60	R	21.5	24.5	18	21			
			2	N.Service Rd	Cousineau Dr	Howard	60	R	80.5	83.5	77	80			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	R	44.5	47.5	39	42			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	R	62.5	65.5	57	60			
			5	Cousineau Dr	W.Service Rd		50	R	41	35	41	35			
			6	401NB Off Ramp	At St Clair College		60	R	68.8	71.8	67	70			
			7	401SB On Ramp	At St Clair College		60	R	35.8	38.8	34	37			

Alternative 1A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
J-K	R2_1	14-S	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8	
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2	
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	0	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2	
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	0	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1	
J-K	R2_2	14-S	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8	
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2	
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	0	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2	
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	0	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1	
J-K	R3_1	15-S	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8	
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2	
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-7	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2	
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	-7	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1	
			5	Howard	W. of S Service Rd			24836	1.40	0.70	92.8	27859	1.38	0.69	92.7	30531	1.39	0.69	92.7	
J-K	R3_2	15-S	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8	
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2	
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-7	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2	
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	-7	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1	
			5	Howard	W. of S Service Rd			24836	1.40	0.70	92.8	27859	1.38	0.69	92.7	30531	1.39	0.69	92.7	
K-L	R1	16-S	1	S.Service Rd	E. Of Howard Ave			12060	1.32	0.66	91.9	13024	1.29	0.64	91.7	14106	1.31	0.66	91.8	
			2	N.Service Rd	E. Of Howard Ave			13630	1.40	0.70	93.6	14732	1.43	0.71	93.8	15472	1.48	0.74	93.7	
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-4	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2	
			4	Hwy 401 NB	Hwy 3/401NB Off Ramp	Hwy 3/401NB On Ramp	-4	9889	4.68	38.76	79.7	13346	4.98	41.75	77.1	16034	5.12	42.88	77.6	
			5	401NB On Ramp	Hwy 3 Merge/Split			-4	9124	1.27	0.63	88.0	9328	1.23	0.62	87.9	9728	1.26	0.63	88.0
			6	Howard	W. of S Service Rd				24836	1.40	0.70	92.8	27859	1.38	0.69	92.7	30531	1.39	0.69	92.7
L-M	R1	17-S	1	Hwy 401 NB	S. of Hwy 3 merge/spilt	Hwy 3/401NB Off Ramp	0	19972	3.44	24.14	82.9	24704	3.55	24.91	82.8	27686	3.74	26.59	82.2	
			2	Hwy 401 SB	Hwy 3/401SB onRamp	S. of Hwy 3 merge/spilt	0	21529	3.95	32.21	82.7	26965	4.15	34.49	82.3	30966	4.39	37.08	82.2	

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
J-K	R2_1	14-S	1	S.Service Rd	Cousineau Dr	Howard	60	A	71.5	74.5	68	71			
			2	N.Service Rd	Cousineau Dr	Howard	60	A	129.5	132.5	126	129			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	A	91.5	94.5	86	89			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	A	109.5	112.5	104	107			
J-K	R2_2	14-S	1	S.Service Rd	Cousineau Dr	Howard	60	A	26.5	29.5	23	26			
			2	N.Service Rd	Cousineau Dr	Howard	60	A	83.5	86.5	80	83			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	A	47.5	50.5	42	45			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	A	65.5	68.5	60	63			
J-K	R3_1	15-S	1	S.Service Rd	Cousineau Dr	Howard	60	A	58.5	61.5	55	58			
			2	N.Service Rd	Cousineau Dr	Howard	60	A	227.5	230.5	224	227			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	A	125.5	128.5	120	123			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	A	143.5	146.5	138	141			
			5	Howard	W. of S Service Rd		60	A	54	57	54	57			
J-K	R3_2	15-S	1	S.Service Rd	Cousineau Dr	Howard	60	A	55.5	58.5	52	55			
			2	N.Service Rd	Cousineau Dr	Howard	60	A	220.5	223.5	217	220			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	A	121.5	124.5	116	119			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	A	139.5	142.5	134	137			
			5	Howard	W. of S Service Rd		60	A	54	57	54	57			
K-L	R1	16-S	1	S.Service Rd	E. Of Howard Ave		60	R	68.5	50.5	65	47			
			2	N.Service Rd	E. Of Howard Ave		60	R	263.5	246.5	260	243			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	R	100.5	82.5	95	77			
			4	Hwy 401 NB	Hwy 3/401NB Off Ramp	Hwy 3/401NB On Ramp	100	R	118.5	100.5	113	95			
			5	401NB On Ramp	Hwy 3 Merge/Split		60	R	137.8	119.8	136	118			
			6	Howard	W. of S Service Rd		60	R	121	119	121	119			
L-M	R1	17-S	1	Hwy 401 NB	S. of Hwy 3 merge/spilt	Hwy 3/401NB Off Ramp	100	A	122	125	122	125			
			2	Hwy 401 SB	Hwy 3/401SB onRamp	S.of Hwy 3 merge/spilt	100	A	107	110	106	109			

Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the North Side</b>																			
GH	R1-A	1A-N	1	Parallel Rd	Spring Garden	W. of Huron Church-use_2A		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB Off Ramp		33170	1.10	0.55	91.4	37940	1.11	0.56	91.0	41185	1.21	0.61	91.3
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-9	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	401 SB On Ramp	At Huron Church Rd		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
GH	R1	1-N	1	Parallel Rd	Spring Garden	W. of Huron Church-use_2A		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB		33170	1.10	0.55	91.4	37940	1.11	0.56	91.0	41185	1.21	0.61	91.3
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-9	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	401 SB On Ramp	At Huron Church Rd		0	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
GH	R2-A	2A-N	1	S.Service Rd	N. of Lambton			10483	1.01	0.50	92.34	12380	0.94	0.47	92.03	14423	0.94	0.47	92.2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp		24277	0.84	0.42	91.4	27609	0.83	0.42	91.4	29689	0.92	0.46	91.5
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-9	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	401 NB Off Ramp	At Huron Church Rd		-4.5	8892	1.81	0.91	91.3	10331	1.87	0.93	89.9	11496	1.98	0.99	90.8
			6	401 SB On Ramp	At Huron Church Rd		-4.5	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
			7	Parallel Rd	Spring Garden	W. of Huron Church-use_2A		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
GH	R2	2-N	1	S.Service Rd	N. of Lambton			10483	1.01	0.50	92.34	12380	0.94	0.47	92.03	14423	0.94	0.47	92.2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp		24277	0.84	0.42	91.4	27609	0.83	0.42	91.4	29689	0.92	0.46	91.5
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	14235	5.40	49.85	81.60	18679	5.76	54.10	80.2	22883	6.05	57.77	79.7
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-9	7502	5.50	50.22	76.8	9431	5.85	54.36	74.2	11228	6.07	56.95	73.0
			5	401 NB Off Ramp	At Huron Church Rd		-4.5	8892	1.81	0.91	91.3	10331	1.87	0.93	89.9	11496	1.98	0.99	90.8
			6	401 SB On Ramp	At Huron Church Rd		-4.5	11044	2.05	9.76	84.0	10960	2.03	10.11	86.9	11499	2.22	11.84	86.6
			7	Parallel Rd	Spring Garden	W. of Huron Church-use_2A		5440	0	0	92.3	5440	0	0	92.3	5486	0	0	92.2
GH	R3	3-N	1	S.Service Rd	Lambton	Todd		9429	0.87	0.43	92.13	11489	0.77	0.39	91.93	13362	0.77	0.39	92.2
			2	N.Service Rd	GrandMarais Rd	Pulford		12425	0.82	0.41	90.2	13788	0.81	0.40	90.8	14568	0.92	0.46	90.4
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	0	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	0	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
<b>Receptors on the North Side</b>															
GH	R1-A	1A-N	1	Parallel Rd	Spring Garden	W. of Huron Church-use_2A	40	R	190	187	190	187	2.43	4	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB Off Ramp	60	A	47.5	44.5	44	41			
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	120.5	113.5	115	108			
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	100.5	95.5	95	90			
			5	401 SB On Ramp	At Huron Church Rd		60	R	195.8	188.8	194	187			
GH	R1	1-N	1	Parallel Rd	Spring Garden	W. of Huron Church-use_2A	40	R	190	187	190	187	2.43	4	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB		A	47.5	44.5	44	41			
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		R	120.5	113.5	115	108			
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp		R	100.5	95.5	95	90			
			5	401 SB On Ramp	At Huron Church Rd			R	169.8	164.8	168	163			
GH	R2-A	2A-N	1	S.Service Rd	N. of Lambton		60	R	126.5	129.5	123	126	2.43	5	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp	60	A	16.5	19.5	13	16			
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	78.5	81.5	73	76			
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	60.5	63.5	55	58			
			5	401 NB Off Ramp	At Huron Church Rd		60	R	29.8	32.8	28	31			
			6	401 SB On Ramp	At Huron Church Rd		60	R	99.8	102.8	98	101			
			7	Parallel Rd	Spring Garden	W. of Huron Church-use_2A	40	R	220	223	220	223			
GH	R2	2-N	1	S.Service Rd	N. of Lambton		60	R	126.5	129.5	123	126	2.43	5	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp	60	A	18.5	21.5	15	18			
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	71.5	74.5	66	69			
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	53.5	56.5	48	51			
			5	401 NB Off Ramp	At Huron Church Rd		60	R	29.8	32.8	28	31			
			6	401 SB On Ramp	At Huron Church Rd		60	R	99.8	102.8	98	101			
			7	Parallel Rd	Spring Garden	W. of Huron Church-use_2A	40	R	220	223	220	223			
GH	R3	3-N	1	S.Service Rd	Lambton	Todd	60	R	92.5	95.5	89	92	1.52	8	0
			2	N.Service Rd	GrandMarais Rd	Pulford	60	R	35.5	38.5	32	35			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	R	72.5	75.5	67	70			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	R	54.5	57.5	49	52			

Alternative 1A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
H-I	R1	4-N	1	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	-8	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4	
			2	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	-8	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1	
			3	Cabana Rd	E.of N Service Rd				16555	0.00	0.00	92.7	16883	0.00	0.00	92.7	19106	0.00	0.00	92.8
			4	S.Service Rd	Lambton	Todd			9429	0.87	0.43	92.13	11489	0.77	0.39	91.93	13362	0.77	0.39	92.2
			5	N.Service Rd	Pulford	Todd			12314	0.88	0.44	90.8	14331	0.86	0.43	91.0	15197	0.98	0.49	90.7
H-I	R2	5-N	1	S.Service Rd	Todd	St Clair College		16021	0.30	0.15	92.69	17084	0.33	0.17	92.63	18371	0.35	0.18	92.7	
			2	N.Service Rd	Todd	St Clair College		6976	0.00	0.00	94.0	7167	0.00	0.00	93.9	7428	0.0041	0.002	93.8	
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	-8	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4	
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	-8	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1	
			5	Cabana Rd	E.of N Service Rd				16555	0.00	0.00	92.7	16883	0.00	0.00	92.7	19106	0.00	0.00	92.8
H-I	R3	6-N	1	S.Service Rd	Todd	St Clair College		16021	0.30	0.15	92.69	17084	0.33	0.17	92.63	18371	0.35	0.18	92.7	
			2	N.Service Rd	Todd	St Clair College		6976	0.00	0.00	94.0	7167	0.00	0.00	93.9	7428	0.0041	0.002	93.8	
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	0	24917	3.66	28.82	83.3	29871	4.04	33.23	82.9	33356	4.35	36.71	82.4	
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	0	16155	3.30	21.50	85.8	19526	3.62	25.13	83.3	22404	3.84	27.24	83.1	
I-J	R1_1	7-N	1	S.Service Rd	St Clair College	Cousineau Dr		9288	0.74	1.20	93.5	9834	0.71	1.37	93.3	10653	0.69	1.51	93.2	
			2	N.Service Rd	St Clair College	Cousineau Dr		14452	0.34	0.17	89.9	14675	0.36	0.18	89.6	15278	0.38	0.19	89.7	
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	-7	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0	
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	-7	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0	
			5	401NB Off Ramp	At St Clair College				6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			6	401SB On Ramp	At St Clair College				5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
			7	Cousineau Dr	E.of N Service Rd				9787	0.00	0.00	92.0	9507	0.00	0.00	91.6	9887	0.00	0.00	91.6
I-J	R1_2	7-N	1	S.Service Rd	St Clair College	Cousineau Dr		9288	0.74	1.20	93.5	9834	0.71	1.37	93.3	10653	0.69	1.51	93.2	
			2	N.Service Rd	St Clair College	Cousineau Dr		14452	0.34	0.17	89.9	14675	0.36	0.18	89.6	15278	0.38	0.19	89.7	
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	-7	16134	4.36	35.58	84.0	20521	4.76	40.22	83.5	23809	5.06	43.71	83.0	
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	-7	11651	3.77	24.90	85.7	14904	4.12	29.21	82.4	17359	4.33	31.32	82.0	
			5	401NB Off Ramp	At St Clair College				6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			6	401SB On Ramp	At St Clair College				5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
			7	Cousineau Dr	E.of N Service Rd				9787	0.00	0.00	92.0	9507	0.00	0.00	91.6	9887	0.00	0.00	91.6

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
H-I	R1	4-N	1	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	R	131.5	134.5	126	129			
			2	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	R	114.5	117.5	109	112			
			3	Cabana Rd	E.of N Service Rd		50	A	26	29	26	29			
			4	S.Service Rd	Lambton	Todd	60	R	151.5	154.5	148	151			
			5	N.Service Rd	Pulford	Todd	60	R	94.5	97.5	91	94			
H-I	R2	5-N	1	S.Service Rd	Todd	St Clair College	60	R	125.5	109.5	122	106			
			2	N.Service Rd	Todd	St Clair College	60	R	67.5	51.5	64	48			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	R	105.5	89.5	100	84			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	R	87.5	71.5	82	66			
			5	Cabana Rd	E.of N Service Rd		50	R	36	23	36	23			
H-I	R3	6-N	1	S.Service Rd	Todd	St Clair College	60	R	106.5	109.5	103	106			
			2	N.Service Rd	Todd	St Clair College	60	R	48.5	51.5	45	48			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	St Clair 401 SB Off Ramp	100	R	86.5	89.5	81	84			
			4	Hwy 401 NB	St Clair 401 NB On Ramp	HC Rd/401NB Off Ramp	100	R	69.5	72.5	64	67			
I-J	R1_1	7-N	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	191.5	194.5	188	191			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	113.5	117.5	110	114			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	A	165.5	168.5	160	163			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	A	147.5	150.5	142	145			
			5	401NB Off Ramp	At St Clair College		60	A	133.8	138.8	132	137			
			6	401SB On Ramp	At St Clair College		60	A	174.8	178.8	173	177			
			7	Cousineau Dr	E.of N Service Rd		50	A	166	162	166	162			
I-J	R1_2	7-N	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	233.5	237.5	230	234			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	165.5	170.5	162	167			
			3	Hwy 401 SB	St Clair 401 SB Off Ramp	St Clair 401 SB On Ramp	100	A	208.5	212.5	203	207			
			4	Hwy 401 NB	St Clair 401 NB Off Ramp	St Clair 401NB On Ramp	100	A	191.5	195.5	186	190			
			5	401NB Off Ramp	At St Clair College		60	A	182.8	186.8	181	185			
			6	401SB On Ramp	At St Clair College		60	A	215.8	219.8	214	218			
			7	Cousineau Dr	E.of N Service Rd		50	A	166	162	166	162			

Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
J-K	R1_1	8-N	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-7	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	-7	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1
			5	401NB Off Ramp	At St Clair College		-7	6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			6	401SB On Ramp	At St Clair College		-7	5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
			7	Cousineau Dr	E.of N Service Rd			9787	0.00	0.00	92.0	9507	0.00	0.00	91.6	9887	0.00	0.00	91.6
J-K	R1_2	8-N	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-7	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	-7	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1
			5	401NB Off Ramp	At St Clair College		-7	6964	0.00	0.00	84.2	7216	0.00	0.00	84.6	7753	0.00	0.00	85.1
			6	401SB On Ramp	At St Clair College		-7	5019	0.24	0.12	79.7	5449	0.28	0.14	80.5	5824	0.30	0.15	80.8
			7	Cousineau Dr	E.of N Service Rd			9787	0.00	0.00	92.0	9507	0.00	0.00	91.6	9887	0.00	0.00	91.6
J-K	R2_1	9-N	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	0	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	0	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1
J-K	R2_2	9-N	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	0	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	0	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1
J-K	R3_1	10-N	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-3	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	-3	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1
			5	Howard	E.of N Service Rd			16200	1.18	0.59	93.1	18369	1.20	0.60	93.2	19700	1.20	0.60	93.2
J-K	R3_2	10-N	1	S.Service Rd	Cousineau Dr	Howard		6287	1.11	1.98	91.8	6313	1.02	2.12	91.7	6582	0.96	2.27	91.8
			2	N.Service Rd	Cousineau Dr	Howard		7417	1.61	0.80	93.1	7599	1.74	0.87	93.3	8010	2.05	1.02	93.2
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-3	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	-3	19026	3.45	23.93	83.0	22602	3.76	27.38	81.2	25681	3.94	29.28	81.1
			5	Howard	E.of N Service Rd			16200	1.18	0.59	93.1	18369	1.20	0.60	93.2	19700	1.20	0.60	93.2



Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
J-K	R1_1	8-N	1	S.Service Rd	Cousineau Dr	Howard	60	R	132.5	120.5	129	117			
			2	N.Service Rd	Cousineau Dr	Howard	60	R	74.5	62.5	71	59			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	R	112.5	100.5	107	95			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	R	94.5	82.5	89	77			
			5	401NB Off Ramp	At St Clair College		60	R	86.8	74.8	85	73			
			6	401SB On Ramp	At St Clair College		60	R	119.8	106.8	118	105			
			7	Cousineau Dr	E.of N Service Rd		50	R	15	18	15	18			
J-K	R1_2	8-N	1	S.Service Rd	Cousineau Dr	Howard	60	R	177.5	165.5	174	162			
			2	N.Service Rd	Cousineau Dr	Howard	60	R	115.5	103.5	112	100			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	R	156.5	144.5	151	139			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	R	138.5	125.5	133	120			
			5	401NB Off Ramp	At St Clair College		60	R	129.8	117.8	128	116			
			6	401SB On Ramp	At St Clair College		60	R	163.8	151.8	162	150			
			7	Cousineau Dr	E.of N Service Rd		50	R	15	18	15	18			
J-K	R2_1	9-N	1	S.Service Rd	Cousineau Dr	Howard	60	A	360.5	343.5	357	340			
			2	N.Service Rd	Cousineau Dr	Howard	60	A	303.5	285.5	300	282			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	A	341.5	323.5	336	318			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	A	323.5	305.5	318	300			
J-K	R2_2	9-N	1	S.Service Rd	Cousineau Dr	Howard	60	A	402.5	384.5	399	381			
			2	N.Service Rd	Cousineau Dr	Howard	60	A	339.5	322.5	336	319			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	A	380.5	363.5	375	358			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	A	363.5	345.5	358	340			
J-K	R3_1	10-N	1	S.Service Rd	Cousineau Dr	Howard	60	R	130.5	133.5	127	130	2.438	24	2.5
			2	N.Service Rd	Cousineau Dr	Howard	60	R	62.5	65.5	59	62			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	R	109.5	112.5	104	107			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	R	91.5	94.5	86	89			
			5	Howard	E.of N Service Rd		60	R	173	165	173	165			
J-K	R3_2	10-N	1	S.Service Rd	Cousineau Dr	Howard	60	R	138.5	141.5	135	138	2.438	24	2.5
			2	N.Service Rd	Cousineau Dr	Howard	60	R	62.5	65.5	59	62			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	R	119.5	122.5	114	117			
			4	Hwy 401 NB	Hwy 3/401NB On Ramp	St Clair 401 NB Off Ramp	100	R	101.5	104.5	96	99			
			5	Howard	E.of N Service Rd		60	R	173	165	173	165			

Alternative 1A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
K-L	R1	11-N	1	S.Service Rd	E. Of Howard Ave			12060	1.32	0.66	91.9	13024	1.29	0.64	91.7	14106	1.31	0.66	91.8
			2	N.Service Rd	E. Of Howard Ave			13630	1.40	0.70	93.6	14732	1.43	0.71	93.8	15472	1.48	0.74	93.7
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	-4	21477	3.86	31.12	82.6	26333	4.24	35.44	82.5	30052	4.54	38.84	82.2
			4	Hwy 401 NB	Hwy 3/401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	9889	4.68	38.76	79.7	13346	4.98	41.75	77.1	16034	5.12	42.88	77.6
			5	Howard	E.of N Service Rd			16200	1.18	0.59	93.1	18369	1.20	0.60	93.2	19700	1.20	0.60	93.2
			6	Hwy 401 NB On Ramp	Hwy 3 Merge/Split		-4	9124	1.27	0.63	88.0	9328	1.23	0.62	87.9	9728	1.26	0.63	88.0
K-L	R2	12-N	1	S.Service Rd	E. Of Howard Ave			12060	1.32	0.66	91.9	13024	1.29	0.64	91.7	14106	1.31	0.66	91.8
			2	N.Service Rd	E. Of Howard Ave			13630	1.40	0.70	93.6	14732	1.43	0.71	93.8	15472	1.48	0.74	93.7
			3	Hwy 401 SB	Hwy 3/401SB Off Ramp	Hwy 3/ 401SB On Ramp	0	10979	3.89	31.92	86.4	15262	4.26	36.12	85.6	18217	4.56	39.47	84.9
			4	Hwy 401 NB	Hwy 3/401NB Off Ramp	Hwy 3/401NB On Ramp	0	9889	4.68	38.76	79.7	13346	4.98	41.75	77.1	16034	5.12	42.88	77.6
			5	401NB On Ramp	Hwy 3 Merge/Split		2	9124	1.27	0.63	88.0	9328	1.23	0.62	87.9	9728	1.26	0.63	88.0
			6	401NB Off Ramp	Hwy 3 Merge/Split		6	9970	1.60	4.47	87.8	11166	1.67	5.40	88.4	11862	1.77	6.58	88.1
			7	401SB On Ramp	Hwy 3 Merge/Split		0	9574	1.68	4.52	82.4	10600	1.71	5.50	81.7	11830	1.75	6.27	81.6
			8	401SB Off Ramp	Hwy 3 Merge/Split		0	9491	1.32	0.66	80.7	9841	1.34	0.67	80.8	10383	1.39	0.70	80.9
L-M	R1	13-N	1	Hwy 401 NB	S.of Hwy 3 merge/spilt	Hwy 3/401NB Off Ramp	0	19972	3.44	24.14	82.9	24704	3.55	24.91	82.8	27686	3.74	26.59	82.2
			2	Hwy 401 SB	Hwy 3/401SB onRamp	S.of Hwy 3 merge/spilt	0	21529	3.95	32.21	82.7	26965	4.15	34.49	82.3	30966	4.39	37.08	82.2

Alternative 1A			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
K-L	R1	11-N	1	S.Service Rd	E. Of Howard Ave		60	A	226.5	230.5	223	227	3.048	13	0
			2	N.Service Rd	E. Of Howard Ave		60	A	49.5	52.5	46	49			
			3	Hwy 401 SB	St Clair 401 SB On Ramp	Hwy 3/ 401 SB Off Ramp	100	R	172.5	176.5	167	171			
			4	Hwy 401 NB	Hwy 3/401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	155.5	158.5	150	153			
			5	Howard	E.of N Service Rd		60	R	131	134	131	134			
			6	Hwy 401 NB On Ramp	Hwy 3 Merge/Split		60	R	149.8	145.8	148	144			
K-L	R2	12-N	1	S.Service Rd	E. Of Howard Ave		60	R	284.5	287.5	281	284	3.048	9	0
			2	N.Service Rd	E. Of Howard Ave		60	A	37.5	40.5	34	37			
			3	Hwy 401 SB	Hwy 3/401SB Off Ramp	Hwy 3/ 401SB On Ramp	100	R	199.5	202.5	194	197			
			4	Hwy 401 NB	Hwy 3/401NB Off Ramp	Hwy 3/401NB On Ramp	100	R	180.5	183.5	175	178			
			5	401NB On Ramp	Hwy 3 Merge/Split		60	R	64.8	67.8	63	66			
			6	401NB Off Ramp	Hwy 3 Merge/Split		60	R	128.8	131.8	127	130			
			7	401SB On Ramp	Hwy 3 Merge/Split		60	R	275.8	278.8	274	277			
			8	401SB Off Ramp	Hwy 3 Merge/Split		60	R	205.8	208.8	204	207			
L-M	R1	13-N	1	Hwy 401 NB	S.of Hwy 3 merge/spilt	Hwy 3/401NB Off Ramp	100	A	76	79			3.048	15	0
			2	Hwy 401 SB	Hwy 3/401SB onRamp	S.of Hwy 3 merge/spilt	100	A	60	63					

Alternative 1B			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
<b>Receptors on the South Side</b>																				
GH	R1-A	1A-S	1	S. Service Road (Spr	W. of Huron Church (use 2A traffic data)				5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	Hwy 401 SB	7.Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66	
			3	Hwy 401 NB	7.HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10	
			4	401 NB On Ramp	EC Row Expressway	401 NB on Ramp	5	2083	3.38	33.77	77.25	2521	3.49	34.86	78.63	3029	3.49	34.94	78.33	
			5	401 SB Off Ramp	401 SB off Ramp	EC Row EB	5	13364	1.69	6.15	84.66	15782	1.79	6.92	83.72	18179	1.81	7.26	82.84	
			6	401 NB On Ramp	Ojibway Pkwy IC	Hwy 401 NB On Ramp	0	1496	1.67	16.66	66.82	1689	1.85	18.54	66.43	1805	1.97	19.75	65.82	
			7	EC Row EB	At Malden			29462	1.54	3.82	92.26	33650	1.60	4.40	92.10	37219	1.59	4.39	91.84	
			8	EC Row WB	At Malden			23161	1.50	2.78	91.72	29297	1.50	3.06	91.14	35168	1.49	3.32	90.65	
GH	R1	1-S	1	S. Service Road (Spr	W. of Huron Church (use 2A traffic data)				5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66	
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10	
			5	EC Row EB	At Malden			29462	1.54	3.82	92.26	33650	1.60	4.40	92.10	37219	1.59	4.39	91.84	
			6	EC Row WB	At Malden			23161	1.50	2.78	91.72	29297	1.50	3.06	91.14	35168	1.49	3.32	90.65	
			1	N.Service Rd	N.of Labelle St			25501	1.16	0.58	90.79	28317	1.21	0.61	90.75	30540	1.24	0.62	90.70	
GH	R2-A	2A-S	2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	2	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66	
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	2	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10	
			4	401 NB On Ramp	Ojibway Pkwy IC	Hwy 401 NB		1496	1.67	16.66	66.82	1689	1.85	18.54	66.43	1805	1.97	19.75	65.82	
			5	EC Row EB	At Malden			29462	1.54	3.82	92.26	33650	1.60	4.40	92.10	37219	1.59	4.39	91.84	
			6	EC Row WB	At Malden			23161	1.50	2.78	91.72	29297	1.50	3.06	91.14	35168	1.49	3.32	90.65	
			7	401 SB Off Ramp	401 SB off Ramp	E.C. Row Expwy EB		13364	1.69	6.15	84.66	15782	1.79	6.92	83.72	18179	1.81	7.26	82.84	
			8	Spring Garden Rd	W. of Huron Church (use 2A traffic data)				5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
<b>Receptors on the South Side</b>															
GH	R1-A	1A-S	1	S. Service Road (Spr	W. of Huron Church (use 2A traffic data)		50	R	31	17	31	17			
			2	Hwy 401 SB	7.Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	238.5	241.5	233	236			
			3	Hwy 401 NB	7.HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	100	A	255.5	258.5	250	253			
			4	401 NB On Ramp	EC Row Expressway	401 NB on Ramp	60	A	339.8	342.8	338	341			
			5	401 SB Off Ramp	401 SB off Ramp	EC Row EB	60	A	196.8	199.8	195	198			
			6	401 NB On Ramp	Ojibway Pkwy IC	Hwy 401 NB On Ramp	50	A	338.8	341.8	337	340			
			7	EC Row EB	At Malden		100	A	379	382	379	382			
			8	EC Row WB	At Malden		100	A	398	401	398	401			
GH	R1	1-S	1	S. Service Road (Spr	W. of Huron Church (use 2A traffic data)		50	R	31	17	31	17			
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	280.5	283.5	275	278			
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	100	A	299.5	302.5	294	297			
			5	EC Row EB	At Malden		100	A	379	382	379	382			
			6	EC Row WB	At Malden		100	A	398	401	398	401			
			GH	R2-A	2A-S	1	N.Service Rd	N.of Labelle St		60	A	497.5	491.5	494	488
2	Hwy 401 SB	Malden/401 SB off Ramp				HC Rd/401 SB on Ramp	100	A	72.5	60.5	67	55			
3	Hwy 401 NB	HC Rd/401 NB off Ramp				Malden/401 NB on Ramp	100	A	90.5	80.5	85	75			
4	401 NB On Ramp	Ojibway Pkwy IC				Hwy 401 NB	50	A	113.8	103.8	112	102			
5	EC Row EB	At Malden					100	A	321	312	321	312			
6	EC Row WB	At Malden					100	A	340	332	340	332			
7	401 SB Off Ramp	401 SB off Ramp				E.C. Row Expwy EB	60	A	467.8	464.8	466	463			
8	Spring Garden Rd	W. of Huron Church (use 2A traffic data)				50	A	32	21	32	21				

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
GH	R2	2-S	1	N.Service Rd	N.of Labelle St			25501	1.16	0.58	90.79	28317	1.21	0.61	90.75	30540	1.24	0.62	90.70
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	0	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	0	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			4	EC Row EB	At Malden			29462	1.54	3.82	92.26	33650	1.60	4.40	92.10	37219	1.59	4.39	91.84
			5	EC Row WB	At Malden			23161	1.50	2.78	91.72	29297	1.50	3.06	91.14	35168	1.49	3.32	90.65
			6	401 SB On Ramp	At Huron Church			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
			7	Spring Garden Rd	W. of Huron Church (use 2A traffic data)			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R3-A	3A-S	1	Parallel Rd (Spring G	W. of Huron Church (use 2A traffic data)			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	N.Service Rd	N.of Labelle St			25501	1.16	0.58	90.79	28317	1.21	0.61	90.75	30540	1.24	0.62	90.70
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	-8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	-8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	EC Row EB	At Malden			29462	1.54	3.82	92.26	33650	1.60	4.40	92.10	37219	1.59	4.39	91.84
			6	EC Row WB	At Malden			23161	1.50	2.78	91.72	29297	1.50	3.06	91.14	35168	1.49	3.32	90.65
			7	401 SB On Ramp	At Huron Church Rd			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
			8	401 NB On Ramp	Ojibway Pkwy IC			1496	1.67	16.66	66.82	1689	1.85	18.54	66.43	1805	1.97	19.75	65.82
GH	R3	3-S	1	Parallel Rd (Spring G	W. of Huron Church (use 2A traffic data)			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	N.Service Rd	N.of Labelle St			25501	1.16	0.58	90.79	28317	1.21	0.61	90.75	30540	1.24	0.62	90.70
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	-8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	-8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	EC Row EB	At Malden			29462	1.54	3.82	92.26	33650	1.60	4.40	92.10	37219	1.59	4.39	91.84
			6	EC Row WB	At Malden			23161	1.50	2.78	91.72	29297	1.50	3.06	91.14	35168	1.49	3.32	90.65
			7	401 SB On Ramp	At Huron Church Rd			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
GH	R4-A	4A-S	1	Lamont Ave	Spring Garden	W. of Huron Church (use 2A data)		5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp		38337	0.92	0.46	89.61	43320	0.97	0.48	89.69	47038	1.01	0.50	89.75
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	-9	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	-9	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	401 SB On Ramp	At Huron Church Rd			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
GH	R2	2-S	1	N.Service Rd	N.of Labelle St		60	A	498.5	495.5	495	492			
			2	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	188.5	175.5	183	170			
			3	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	100	A	206.5	194.5	201	189			
			4	EC Row EB	At Malden		100	A	321	312	321	312			
			5	EC Row WB	At Malden		100	A	340	332	340	332			
			6	401 SB On Ramp	At Huron Church		60	A	494.8	497.8	493	496			
			7	Spring Garden Rd	W. of Huron Church (use 2A traffic data)		50	A	32	21	32	21			
GH	R3-A	3A-S	1	Parallel Rd (Spring G	W. of Huron Church (use 2A traffic data)		50	A	37	17	37	17			
			2	N.Service Rd	N.of Labelle St		60	A	321.5	324.5	318	321			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	53.5	56.5	48	51			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	100	A	70.5	73.5	65	68			
			5	EC Row EB	At Malden		100	A	425	428	425	428			
			6	EC Row WB	At Malden		100	A	445	448	445	448			
			7	401 SB On Ramp	At Huron Church Rd		60	A	219.8	212.8	218	211			
			8	401 NB On Ramp	Ojibway Pkwy IC		50	A	264.8	267.8	263	266			
GH	R3	3-S	1	Parallel Rd (Spring G	W. of Huron Church (use 2A traffic data)		50	A	37	17	37	17			
			2	N.Service Rd	N.of Labelle St		60	A	321.5	324.5	318	321			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	158.5	161.5	153	156			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	100	A	176.5	179.5	171	174			
			5	EC Row EB	At Malden		100	A	425	428	425	428			
			6	EC Row WB	At Malden		100	A	445	448	445	448			
			7	401 SB On Ramp	At Huron Church Rd		60	A	249.8	243.8	248	242			
GH	R4-A	4A-S	1	Lamont Ave	Spring Garden	W. of Huron Church (use 2A data)	50	R	41	16	41	16			
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp	60	A	199.5	184.5	196	181			
			3	Hwy 401 SB	Malden/401 SB off Ramp	HC Rd/401 SB on Ramp	100	A	105.5	89.5	100	84			
			4	Hwy 401 NB	HC Rd/401 NB off Ramp	Malden/401 NB on Ramp	100	A	123.5	107.5	118	102			
			5	401 SB On Ramp	At Huron Church Rd		60	R	40.8	26.8	39	25			

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
GH	R4	4-S	1	Lamont Ave	Spring Garden	W. of Huron Church-		5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp		38337	0.92	0.46	89.61	43320	0.97	0.48	89.69	47038	1.01	0.50	89.75
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-9	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	401 SB On Ramp	At Huron Church Rd			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
G-H	R5	5-S	1	S.Service Rd	Bethlehem Ave. to Lambton St.			5220	1.59	0.79	92.26	5610	1.63	0.82	92.15	6174	1.74	0.87	92.19
			2	N.Service Rd	Labelle St	Grand Marais Rd Ramp		23298	0.67	0.34	91.66	26127	0.72	0.36	91.71	28297	0.77	0.38	91.72
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	Pulford/401 SB Off Ramp	-12	30422	3.19	24.14	82.73	36538	3.48	27.50	82.00	40606	3.69	30.12	82.10
			4	Hwy 401 NB	Pulford/401 NB On Ramp	HC Rd/401 NB Off Ramp	-12	22550	2.69	17.14	83.10	26644	2.89	19.28	82.23	29920	3.06	21.07	81.71
			5	Lambton Rd	Grand Marias Rd - W.of S. Service Rd			3674	0.84	0.42	92.26	4069	0.87	0.44	92.20	4484	0.91	0.46	92.14
			6	401 NB Off Ramp	At Huron Church Rd (only 1B has it)		-12	15039	1.30	0.65	86.42	17194	1.34	0.67	86.61	18741	1.36	0.68	86.76
			7	401 SB On Ramp	At Huron Church Rd (only 1B has it)		-12	16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
G-H	R6	6-S	1	S.Service Rd	Lambton St	Pulford St		5063	0.39	0.19	91.17	5642	0.22	0.11	91.27	6440	0.23	0.12	91.56
			2	N.Service Rd	Grand Marais Rd	Pulford		5423	0.10	0.05	93.08	5754	0.09	0.04	92.93	6100	0.09	0.04	92.78
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	Pulford/401 SB Off Ramp	-12	30422	3.19	24.14	82.73	36538	3.48	27.50	82.00	40606	3.69	30.12	82.10
			4	Hwy 401 NB	Pulford/401 NB On Ramp	HC Rd/401 NB Off Ramp	-12	22550	2.69	17.14	83.10	26644	2.89	19.28	82.23	29920	3.06	21.07	81.71
			5	Lambton	Grand Marias Rd - W.of S. Service Rd			3674	0.84	0.42	92.26	4069	0.87	0.44	92.20	4484	0.91	0.46	92.14
H-I	R1	7-S	1	S.Service Rd	Pulford St	Todd Ln/Cabana Rd		11853	0.53	0.26	92.58	13546	0.31	0.16	92.15	15723	0.32	0.16	92.40
			2	N.Service Rd	Pulford St	Todd Ln/Cabana Rd		5496	0.15	0.07	93.93	6105	0.13	0.07	93.98	6780	0.13	0.06	94.06
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-10	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-10	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88
			5-1B only	401 NB On Ramp	At St. Clair College			4069	0.51	0.25	87.20	3979	0.55	0.28	87.09	4124	0.52	0.26	87.48
			6-1B only	401 SB Off Ramp	At St. Clair College			7812	0.86	2.24	84.21	7993	0.92	2.82	83.79	7944	0.97	3.53	83.20
H-I	R2	8-S	1	S.Service Rd	Pulford St	Todd Ln/Cabana Rd		11853	0.53	0.26	92.58	13546	0.31	0.16	92.15	15723	0.32	0.16	92.40
			2	N.Service Rd	Pulford St	Todd Ln/Cabana Rd		5496	0.15	0.07	93.93	6105	0.13	0.07	93.98	6780	0.13	0.06	94.06
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-7	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-7	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88
			5	Todd	W.of S. Service Rd			19891	0.00	0.00	93.72	23167	0.00	0.00	93.70	26618	0.00	0.00	93.66



Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
GH	R4	4-S	1	Lamont Ave	Spring Garden	W. of Huron Church-	50	R	41	16	41	16			
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp	60	A	199.5	184.5	196	181			
			3	Hwy 401 SB	Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	142.5	129.5	137	124			
			4	Hwy 401 NB	HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	A	161.5	146.5	156	141			
			5	401 SB On Ramp	At Huron Church Rd		60	R	67.8	57.8	66	56			
G-H	R5	5-S	1	S.Service Rd	Bethlehem Ave. to Lambton St.		60	A	88.5	85.5	85	82	1.524	6	0
			2	N.Service Rd	Labelle St	Grand Marais Rd Ramp	60	A	145.5	142.5	142	139			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	Pulford/401 SB Off Ramp	100	A	107.5	104.5	102	99			
			4	Hwy 401 NB	Pulford/401 NB On Ramp	HC Rd/401 NB Off Ramp	100	A	125.5	122.5	120	117			
			5	Lambton Rd	Grand Marias Rd - W.of S. Service Rd		50	R	30	18	30	18			
			6	401 NB Off Ramp	At Huron Church Rd (only 1B has it)		60	A	95.8	92.8	94	91			
			7	401 SB On Ramp	At Huron Church Rd (only 1B has it)		60	A	132.8	128.8	131	127			
G-H	R6	6-S	1	S.Service Rd	Lambton St	Pulford St	60	R	67.5	70.5	64	67	1.83	9	2
			2	N.Service Rd	Grand Marais Rd	Pulford	60	R	124.5	127.5	121	124			
			3	Hwy 401 SB	HC Rd/401 SB On Ramp	Pulford/401 SB Off Ramp	100	R	86.5	89.5	81	84			
			4	Hwy 401 NB	Pulford/401 NB On Ramp	HC Rd/401 NB Off Ramp	100	R	104.5	107.5	99	102			
			5	Lambton	Grand Marias Rd - W.of S. Service Rd		50	R	61	64	61	64			
H-I	R1	7-S	1	S.Service Rd	Pulford St	Todd Ln/Cabana Rd	60	A	121.5	118.5	118	115	Bungalow		
			2	N.Service Rd	Pulford St	Todd Ln/Cabana Rd	60	A	209.5	206.5	206	203			
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	A	156.5	153.5	151	148			
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	A	174.5	171.5	169	166			
			5-1B only	401 NB On Ramp	At St. Clair College		60	A	195.8	192.8	194	191			
			6-1B only	401 SB Off Ramp	At St. Clair College		60	A	135.8	132.8	134	131			
H-I	R2	8-S	1	S.Service Rd	Pulford St	Todd Ln/Cabana Rd	60	A	292.5	288.5	289	285			
			2	N.Service Rd	Pulford St	Todd Ln/Cabana Rd	60	A	359.5	354.5	356	351			
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	A	321.5	315.5	316	310			
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	A	338.5	333.5	333	328			
			5	Todd	W.of S. Service Rd		50	R	47	25	47	25			

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
H-I	R3	9-S	1	S.Service Rd	Todd Ln/Cabana Rd	Huron Church Line		12504	0.60	0.30	92.92	13994	0.58	0.29	93.00	15799	0.57	0.28	93.16
			2	N.Service Rd	Todd Ln/Cabana Rd	Huron Church Line		11313	0.73	0.36	91.62	12049	0.77	0.38	91.56	12703	0.79	0.40	91.36
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-7	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-7	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88
			5	Todd	W of S. Service Rd			19891	0.00	0.00	93.72	23167	0.00	0.00	93.70	26618	0.00	0.00	93.66
H-I	R4	10-S	1	S.Service Rd	Todd Ln/Cabana Rd	Huron Church Line		12504	0.60	0.30	92.92	13994	0.58	0.29	93.00	15799	0.57	0.28	93.16
			2	N.Service Rd	Todd Ln/Cabana Rd	Huron Church Line		11313	0.73	0.36	91.62	12049	0.77	0.38	91.56	12703	0.79	0.40	91.36
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-7	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-7	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88
			5	Huron Church Line	W. of S. Service Rd			14292	0.89	0.45	92.50	15723	0.92	0.46	92.49	17024	0.95	0.47	92.44
I-J	R1_1	11-S	1	S.Service Rd	Huron Church Line	St Clair College		16536	0.39	0.20	92.85	17693	0.43	0.22	92.81	18794	0.45	0.23	92.80
			2	N.Service Rd	Huron Church Line	St Clair College		7229	0.29	0.15	94.13	7778	0.48	0.24	94.04	8204	0.81	0.40	93.90
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89
			5	401NB on Ramp	At St Clair College			4069	0.51	0.25	87.20	3979	0.55	0.28	87.09	4124	0.52	0.26	87.48
			6	401SB off Ramp	At St Clair College			7812	0.86	2.24	84.21	7993	0.92	2.82	83.79	7944	0.97	3.53	83.20
I-J	R1_2	11-S	1	S.Service Rd	Huron Church Line	St Clair College		16536	0.39	0.20	92.85	17693	0.43	0.22	92.81	18794	0.45	0.23	92.80
			2	N.Service Rd	Huron Church Line	St Clair College		7229	0.29	0.15	94.13	7778	0.48	0.24	94.04	8204	0.81	0.40	93.90
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89
			5	401NB On Ramp	At St Clair College			4069	0.51	0.25	87.20	3979	0.55	0.28	87.09	4124	0.52	0.26	87.48
			6	401SB Off Ramp	At St Clair College			7812	0.86	2.24	84.21	7993	0.92	2.82	83.79	7944	0.97	3.53	83.20
I-J	R2_1	12-S	1	S.Service Rd	St Clair College	Cousineau Dr		9334	0.89	1.87	93.31	9902	0.93	2.39	92.89	10735	0.92	2.81	92.73
			2	N.Service Rd	St Clair College	Cousineau Dr		14718	0.56	0.28	90.37	15051	0.60	0.30	90.33	15671	0.56	0.28	90.42
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89
			5	401NB Off Ramp	At St Clair College		0	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05
			6	401SB On Ramp	At St Clair College		0	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74
			7	Cousineau Dr	W.of Service Rd			16115	0.00	0.00	93.23	17706	0.04	0.02	93.77	20242	0.03	0.01	93.67

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
H-I	R3	9-S	1	S.Service Rd	Todd Ln/Cabana Rd	Huron Church Line	60	A	317.5	320.5	314	317			
			2	N.Service Rd	Todd Ln/Cabana Rd	Huron Church Line	60	A	382.5	385.5	379	382			
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	A	343.5	346.5	338	341			
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	A	360.5	363.5	355	358			
			5	Todd	W of S. Service Rd		50	A	38	27	38	27			
H-I	R4	10-S	1	S.Service Rd	Todd Ln/Cabana Rd	Huron Church Line	60	A	325.5	328.5	322	325			
			2	N.Service Rd	Todd Ln/Cabana Rd	Huron Church Line	60	A	382.5	385.5	379	382			
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	A	344.5	347.5	339	342			
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	A	363.5	366.5	358	361			
			5	Huron Church Line	W. of S. Service Rd		60	A	118	122	118	122			
I-J	R1_1	11-S	1	S.Service Rd	Huron Church Line	St Clair College	60	A	143.5	146.5	140	143			
			2	N.Service Rd	Huron Church Line	St Clair College	60	A	225.5	228.5	222	225			
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	100	A	175.5	178.5	170	173			
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	100	A	194.5	197.5	189	192			
			5	401NB on Ramp	At St Clair College		60	A	206.8	209.8	205	208			
			6	401SB off Ramp	At St Clair College		60	A	161.8	164.8	160	163			
I-J	R1_2	11-S	1	S.Service Rd	Huron Church Line	St Clair College	60	A	145.5	148.5	142	145			
			2	N.Service Rd	Huron Church Line	St Clair College	60	A	204.5	207.5	201	204			
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	100	A	171.5	174.5	166	169			
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	100	A	189.5	192.5	184	187			
			5	401NB On Ramp	At St Clair College		60	A	196.8	199.8	195	198			
			6	401SB Off Ramp	At St Clair College		60	A	164.8	167.8	163	166			
I-J	R2_1	12-S	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	205.5	200.5	202	197			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	291.5	286.5	288	283			
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	100	A	238.5	234.5	233	229			
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	100	A	257.5	252.5	252	247			
			5	401NB Off Ramp	At St Clair College		60	A	283.8	278.8	282	277			
			6	401SB On Ramp	At St Clair College		60	A	212.8	209.8	211	208			
			7	Cousineau Dr	W.of Service Rd		50	A	33	21	33	21			

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
I-J	R2_2	12-S	1	S.Service Rd	St Clair College	Cousineau Dr		9334	0.89	1.87	93.31	9902	0.93	2.39	92.89	10735	0.92	2.81	92.73
			2	N.Service Rd	St Clair College	Cousineau Dr		14718	0.56	0.28	90.37	15051	0.60	0.30	90.33	15671	0.56	0.28	90.42
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89
			5	401NB Off Ramp	At St Clair College		0	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05
			6	401SB On Ramp	At St Clair College		0	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74
			7	Cousineau Dr	W.of Service Rd			16115	0.00	0.00	93.23	17706	0.04	0.02	93.77	20242	0.03	0.01	93.67
J-K	R1_1	13-S	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89
			5	Cousineau Dr	W.of Service Rd			16115	0.00	0.00	93.23	17706	0.04	0.02	93.77	20242	0.03	0.01	93.67
			6	401 NB Off Ramp	At St. Clair College		-3	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05
			7	401 SB On Ramp	At St. Clair College		-3	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74
J-K	R1_2	13-S	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401 NB on Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89
			5	Cousineau Dr	W.of Service Rd			16115	0.00	0.00	93.23	17706	0.04	0.02	93.77	20242	0.03	0.01	93.67
			6	401 NB Off Ramp	At St. Clair College		-3	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05
			7	401 SB On Ramp	At St. Clair College		-3	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74
J-K	R2_1	14-S	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-6	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-6	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
J-K	R2_2	14-S	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-6	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-6	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
I-J	R2_2	12-S	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	164.5	160.5	161	157			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	245.5	239.5	242	236			
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	100	A	195.5	190.5	190	185			
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	100	A	213.5	208.5	208	203			
			5	401NB Off Ramp	At St Clair College		60	A	238.8	232.8	237	231			
			6	401SB On Ramp	At St Clair College		60	A	171.8	165.8	170	164			
			7	Cousineau Dr	W.of Service Rd		50	A	33	21	33	21			
J-K	R1_1	13-S	1	S.Service Rd	Cousineau Dr	Howard Ave	60	R	63.5	66.5	60	63			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	R	138.5	141.5	135	138			
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	100	R	88.5	91.5	83	86			
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401NB on Ramp	100	R	106.5	109.5	101	104			
			5	Cousineau Dr	W.of Service Rd		50	R	41	35	41	35			
			6	401 NB Off Ramp	At St. Clair College		60	R	116.8	119.8	115	118			
			7	401 SB On Ramp	At St. Clair College		60	R	77.8	80.8	76	79			
J-K	R1_2	13-S	1	S.Service Rd	Cousineau Dr	Howard Ave	60	R	21.5	24.5	18	21			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	R	80.5	83.5	77	80			
			3	Hwy 401 SB	4. St Clair/401 SB off Ramp	St Clair/401 SB on Ramp	100	R	44.5	47.5	39	42			
			4	Hwy 401 NB	4. St Clair/401 NB off Ramp	St Clair/401 NB on Ramp	100	R	62.5	65.5	57	60			
			5	Cousineau Dr	W.of Service Rd		50	R	41	35	41	35			
			6	401 NB Off Ramp	At St. Clair College		60	R	68.8	71.8	67	70			
			7	401 SB On Ramp	At St. Clair College		60	R	35.8	38.8	34	37			
J-K	R2_1	14-S	1	S.Service Rd	Cousineau Dr	Howard Ave	60	A	71.5	74.5	68	71			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	A	129.5	132.5	126	129			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	A	91.5	94.5	86	89			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	A	109.5	112.5	104	107			
J-K	R2_2	14-S	1	S.Service Rd	Cousineau Dr	Howard Ave	60	A	26.5	29.5	23	26			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	A	83.5	86.5	80	83			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	A	47.5	50.5	42	45			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	A	65.5	68.5	60	63			

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
J-K	R3_1	15-S	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-6	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-6	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
			5	Howard Ave	W. of S Service Rd			24859	1.49	0.75	92.87	27886	1.44	0.72	92.75	30560	1.44	0.72	92.72
J-K	R3_2	15-S	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-6	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-6	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
			5	Howard Ave	W. of S Service Rd			24859	1.49	0.75	92.87	27886	1.44	0.72	92.75	30560	1.44	0.72	92.72
K-L	R1	16-S	1	S.Service Rd	E. Of Howard Ave			12060	1.31	0.66	91.93	13024	1.29	0.64	91.72	14106	1.33	0.66	91.76
			2	N.Service Rd	E. Of Howard Ave			13630	1.39	0.69	93.62	14732	1.36	0.68	93.84	15472	1.36	0.68	93.69
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-4	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	2. Hwy 3/401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	10589	4.73	39.40	78.49	13212	4.89	40.57	77.42	16399	5.08	41.73	77.69
			5	401NB On Ramp	Hwy 3 Merge/Spilt		-4	9124	1.26	0.63	88.00	9462	1.24	0.62	87.71	9728	1.28	0.64	87.99
			6	Howard Ave	W. of S Service Rd			24859	1.49	0.75	92.87	27886	1.44	0.72	92.75	30560	1.44	0.72	92.72
L-M	R1	17-S	1	Hwy 401 NB	1. S.of Hwy 3 merge/spilt	Hwy 3/401NB off Ramp	0	19954	3.41	23.83	82.98	24657	3.48	24.32	82.87	27629	3.67	25.92	82.31
			2	Hwy 401 SB	1. Hwy 3/401SB onRamp	S.of Hwy 3 merge/spilt	0	21530	3.96	32.30	82.73	26996	4.18	34.77	82.28	31034	4.45	37.65	82.19

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
J-K	R3_1	15-S	1	S.Service Rd	Cousineau Dr	Howard Ave	60	A	58.5	61.5	55	58	Bungalow		
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	A	227.5	230.5	224	227			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	A	125.5	128.5	120	123			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	A	143.5	146.5	138	141			
			5	Howard Ave	W. of S Service Rd		60	A	54	57	54	57			
J-K	R3_2	15-S	1	S.Service Rd	Cousineau Dr	Howard Ave	60	A	55.5	58.5	52	55	Bungalow		
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	A	220.5	223.5	217	220			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	A	121.5	124.5	116	119			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	A	139.5	142.5	134	137			
			5	Howard Ave	W. of S Service Rd		60	A	54	57	54	57			
K-L	R1	16-S	1	S.Service Rd	E. Of Howard Ave		60	R	68.5	50.5	65	47			
			2	N.Service Rd	E. Of Howard Ave		60	R	263.5	246.5	260	243			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	R	100.5	82.5	95	77			
			4	Hwy 401 NB	2. Hwy 3/401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	118.5	100.5	113	95			
			5	401NB On Ramp	Hwy 3 Merge/Split		60	R	137.8	119.8	136	118			
			6	Howard Ave	W. of S Service Rd		60	R	121	119	121	119			
L-M	R1	17-S	1	Hwy 401 NB	1. S.of Hwy 3 merge/spilt	Hwy 3/401NB off Ramp	100	A	122	125	122	125			
			2	Hwy 401 SB	1. Hwy 3/401SB onRamp	S.of Hwy 3 merge/spilt	100	A	107	110	106	109			

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the North Side</b>																			
GH	R1-A	1A-N	1	Parallel Rd	Spring Garden	W. of Huron Church-use 2A		5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp		38337	0.92	0.46	89.61	43320	0.97	0.48	89.69	47038	1.01	0.50	89.75
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	401 SB on Ramp	At Huron Church Rd			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
			6	Labelle St	E.of N Service Rd			5019	0.00	0.00	90.21	5451	0.00	0.00	90.37	5953	0.00	0.00	90.33
GH	R1	1-N	1	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp		38337	0.92	0.46	89.61	43320	0.97	0.48	89.69	47038	1.01	0.50	89.75
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			3	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			4	401 SB on Ramp	At Huron Church Rd			16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
			5	Labelle St	E.of N Service Rd			5019	0.00	0.00	90.21	5451	0.00	0.00	90.37	5953	0.00	0.00	90.33
GH	R2-A	2A-N	1	S.Service Rd	Bethlehem Ave	Lambton St		5220	1.59	0.79	92.26	5610	1.63	0.82	92.15	6174	1.74	0.87	92.19
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp		23298	0.67	0.34	91.66	26127	0.72	0.36	91.71	28297	0.77	0.38	91.72
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	401 NB off Ramp	At Huron Church Rd		-4	15039	1.30	0.65	86.42	17194	1.34	0.67	86.61	18741	1.36	0.68	86.76
			6	401 SB on Ramp	At Huron Church Rd		-4	16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
GH	R2	2-N	1	S.Service Rd	Bethlehem Ave	Lambton St		5220	1.59	0.79	92.26	5610	1.63	0.82	92.15	6174	1.74	0.87	92.19
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp		23298	0.67	0.34	91.66	26127	0.72	0.36	91.71	28297	0.77	0.38	91.72
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-8	14231	5.38	49.86	81.90	18666	5.72	54.12	79.79	22878	6.04	57.77	78.66
			4	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	-8	7414	5.28	48.06	77.25	9413	5.64	52.30	74.43	11204	5.93	55.52	73.10
			5	401 NB off Ramp	At Huron Church Rd		-4	15039	1.30	0.65	86.42	17194	1.34	0.67	86.61	18741	1.36	0.68	86.76
			6	401 SB on Ramp	At Huron Church Rd		-4	16563	1.77	7.54	82.75	18468	1.80	7.64	83.08	18845	1.82	8.26	84.23
GH	R3	3-N	1	S.Service Rd	Lambton St	Pulford St		5063	0.39	0.19	91.17	5642	0.22	0.11	91.27	6440	0.23	0.12	91.56
			2	N.Service Rd	Grand Marais Rd	Pulford St		5423	0.10	0.05	93.08	5754	0.09	0.04	92.93	6100	0.09	0.04	92.78
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Pulford/401 SB Off Ramp	-12	30422	3.19	24.14	82.73	36538	3.48	27.50	82.00	40606	3.69	30.12	82.10
			4	Hwy 401 NB	6. Pulford/401 NB On Ramp	HC Rd/401 NB Off Ramp	-12	22550	2.69	17.14	83.10	26644	2.89	19.28	82.23	29920	3.06	21.07	81.71



Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
<b>Receptors on the North Side</b>															
GH	R1-A	1A-N	1	Parallel Rd	Spring Garden	W. of Huron Church-use 2A	50	R	190	187	190	187	2.43	4	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp	60	A	47.5	44.5	44	41			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	120.5	113.5	115	108			
			4	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	100.5	95.5	95	90			
			5	401 SB on Ramp	At Huron Church Rd		60	R	195.8	188.8	194	187			
			6	Labelle St	E.of N Service Rd		50	A	71	79	71	79			
GH	R1	1-N	1	N.Service Rd	Labelle St	GrandMarais Rd Ramp+401NB off Ramp	60	A	47.5	44.5	44	41	2.43	4	2
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	120.5	113.5	115	108			
			3	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	100.5	95.5	95	90			
			4	401 SB on Ramp	At Huron Church Rd		60	R	169.8	164.8	168	163			
			5	Labelle St	E.of N Service Rd		50	A	71	79	71	79			
GH	R2-A	2A-N	1	S.Service Rd	Bethlehem Ave	Lambton St	60	R	134.5	137.5	131	134	2.43	5	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp	60	A	18.5	21.5	15	18			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	78.5	81.5	73	76			
			4	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	60.5	63.5	55	58			
			5	401 NB off Ramp	At Huron Church Rd		60	R	29.8	32.8	28	31			
			6	401 SB on Ramp	At Huron Church Rd		60	R	115.8	118.8	114	117			
GH	R2	2-N	1	S.Service Rd	Bethlehem Ave	Lambton St	60	R	126.5	129.5	123	126	2.43	5	2
			2	N.Service Rd	Labelle St	GrandMarais Rd Ramp	60	A	18.5	21.5	15	18			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	71.5	74.5	66	69			
			4	Hwy 401 NB	7. HC Rd/401 NB Off Ramp	Malden/401 NB On Ramp	100	R	53.5	56.5	48	51			
			5	401 NB off Ramp	At Huron Church Rd		60	R	29.8	32.8	28	31			
			6	401 SB on Ramp	At Huron Church Rd		60	R	99.8	102.8	98	101			
GH	R3	3-N	1	S.Service Rd	Lambton St	Pulford St	60	R	92.5	95.5	89	92	1.52	8	0
			2	N.Service Rd	Grand Marais Rd	Pulford St	60	R	35.5	38.5	32	35			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Pulford/401 SB Off Ramp	100	R	72.5	75.5	67	70			
			4	Hwy 401 NB	6. Pulford/401 NB On Ramp	HC Rd/401 NB Off Ramp	100	R	54.5	57.5	49	52			

Alternative 1B			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
H-I	R1	4-N	1	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-7	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25	
			2	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-7	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88	
			3	Cabana Rd	E.of N Service Rd				15898	0.00	0.00	92.15	16871	0.00	0.00	92.38	19081	0.00	0.00	92.49
			4	S.Service Rd	Pulford St	Todd Ln/Cabana Rd			11853	0.53	0.26	92.58	13546	0.31	0.16	92.15	15723	0.32	0.16	92.40
			5	N.Service Rd	Pulford St	Todd Ln/Cabana Rd			5496	0.15	0.07	93.93	6105	0.13	0.07	93.98	6780	0.13	0.06	94.06
H-I	R2	5-N	1	S.Service Rd	Todd Ln/Cabana Rd	Huron Church Line		12504	0.60	0.30	92.92	13994	0.58	0.29	93.00	15799	0.57	0.28	93.16	
			2	N.Service Rd	Todd Ln/Cabana Rd	Huron Church Line		11313	0.73	0.36	91.62	12049	0.77	0.38	91.56	12703	0.79	0.40	91.36	
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-7	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25	
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-7	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88	
			5	Cabana Rd	E.of N Service Rd				15898	0.00	0.00	92.15	16871	0.00	0.00	92.38	19081	0.00	0.00	92.49
H-I	R3	6-N	1	S.Service Rd	Huron Church Line	St Clair College		16536	0.39	0.20	92.85	17693	0.43	0.22	92.81	18794	0.45	0.23	92.80	
			2	N.Service Rd	Huron Church Line	St Clair College		7229	0.29	0.15	94.13	7778	0.48	0.24	94.04	8204	0.81	0.40	93.90	
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	-7	24232	3.86	30.68	82.59	29414	4.26	35.29	82.26	32261	4.58	39.06	82.25	
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	-7	16522	3.32	21.87	84.76	18957	3.59	24.83	83.09	21972	3.76	26.73	82.88	
I-J	R1_1	7-N	1	S.Service Rd	St Clair College	Cousineau Dr		9334	0.89	1.87	93.31	9902	0.93	2.39	92.89	10735	0.92	2.81	92.73	
			2	N.Service Rd	St Clair College	Cousineau Dr		14718	0.56	0.28	90.37	15051	0.60	0.30	90.33	15671	0.56	0.28	90.42	
			3	Hwy 401 SB	4. St Clair/401 SB Off Ramp	St Clair/401 SB On Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67	
			4	Hwy 401 NB	4. St. Clair/401 NB Off Ramp	St. Clair/401 NB On Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89	
			5	401NB off Ramp	At St Clair College		-3	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05	
			6	401SB on Ramp	At St Clair College		-3	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74	
			7	Cousineau Dr	E.of N Service Rd				9811	0.00	0.00	92.20	9523	0.00	0.00	91.86	9897	0.00	0.00	91.80
I-J	R1_2	7-N	1	S.Service Rd	St Clair College	Cousineau Dr		9334	0.89	1.87	93.31	9902	0.93	2.39	92.89	10735	0.92	2.81	92.73	
			2	N.Service Rd	St Clair College	Cousineau Dr		14718	0.56	0.28	90.37	15051	0.60	0.30	90.33	15671	0.56	0.28	90.42	
			3	Hwy 401 SB	4. St Clair/401 SB Off Ramp	St Clair/401 SB On Ramp	-7	15850	4.33	35.12	82.59	20763	4.70	39.68	82.40	23591	5.01	43.41	82.67	
			4	Hwy 401 NB	4. St. Clair/401 NB Off Ramp	St. Clair/401 NB On Ramp	-7	12307	3.82	25.68	84.50	14884	4.13	29.39	82.21	17780	4.34	31.57	81.89	
			5	401NB off Ramp	At St Clair College		-3	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05	
			6	401SB on Ramp	At St Clair College		-3	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74	
			7	Cousineau Dr	E.of N Service Rd				9811	0.00	0.00	92.20	9523	0.00	0.00	91.86	9897	0.00	0.00	91.80
J-K	R1_1	8-N	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75	
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10	
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-6	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11	
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-6	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16	
			5	401NB off Ramp	At St Clair College		-6	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05	
			6	401SB on Ramp	At St Clair College		-6	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74	
			7	Cousineau Dr	E.of N Service Rd				9811	0.00	0.00	92.20	9523	0.00	0.00	91.86	9897	0.00	0.00	91.80

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
H-I	R1	4-N	1	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	R	131.5	134.5	126	129			
			2	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	R	114.5	117.5	109	112			
			3	Cabana Rd	E.of N Service Rd		50	A	26	29	26	29			
			4	S.Service Rd	Pulford St	Todd Ln/Cabana Rd	60	R	151.5	154.5	148	151			
			5	N.Service Rd	Pulford St	Todd Ln/Cabana Rd	60	R	94.5	97.5	91	94			
H-I	R2	5-N	1	S.Service Rd	Todd Ln/Cabana Rd	Huron Church Line	60	R	125.5	109.5	122	106			
			2	N.Service Rd	Todd Ln/Cabana Rd	Huron Church Line	60	R	67.5	51.5	64	48			
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	R	105.5	89.5	100	84			
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	R	87.5	71.5	82	66			
			5	Cabana Rd	E.of N Service Rd		50	R	36	23	36	23			
H-I	R3	6-N	1	S.Service Rd	Huron Church Line	St Clair College	60	R	106.5	109.5	103	106			
			2	N.Service Rd	Huron Church Line	St Clair College	60	R	48.5	51.5	45	48			
			3	Hwy 401 SB	5. Pulford/401 SB Off Ramp	St Clair/401 SB Off Ramp	100	R	86.5	89.5	81	84			
			4	Hwy 401 NB	5. St. Clair/401 NB On Ramp	Pulford/401 NB On Ramp	100	R	69.5	72.5	64	67			
I-J	R1_1	7-N	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	191.5	194.5	188	191			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	113.5	117.5	110	114			
			3	Hwy 401 SB	4. St Clair/401 SB Off Ramp	St Clair/401 SB On Ramp	100	A	165.5	168.5	160	163			
			4	Hwy 401 NB	4. St. Clair/401 NB Off Ramp	St. Clair/401 NB On Ramp	100	A	147.5	150.5	142	145			
			5	401NB off Ramp	At St Clair College		60	A	133.8	138.8	132	137			
			6	401SB on Ramp	At St Clair College		60	A	174.8	178.8	173	177			
			7	Cousineau Dr	E.of N Service Rd		50	A	166	162	166	162			
I-J	R1_2	7-N	1	S.Service Rd	St Clair College	Cousineau Dr	60	A	233.5	237.5	230	234			
			2	N.Service Rd	St Clair College	Cousineau Dr	60	A	165.5	170.5	162	167			
			3	Hwy 401 SB	4. St Clair/401 SB Off Ramp	St Clair/401 SB On Ramp	100	A	208.5	212.5	203	207			
			4	Hwy 401 NB	4. St. Clair/401 NB Off Ramp	St. Clair/401 NB On Ramp	100	A	191.5	195.5	186	190			
			5	401NB off Ramp	At St Clair College		60	A	182.8	186.8	181	185			
			6	401SB on Ramp	At St Clair College		60	A	215.8	219.8	214	218			
			7	Cousineau Dr	E.of N Service Rd		50	A	166	162	166	162			
J-K	R1_1	8-N	1	S.Service Rd	Cousineau Dr	Howard Ave	60	R	132.5	120.5	129	117			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	R	74.5	62.5	71	59			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	R	112.5	100.5	107	95			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	R	94.5	82.5	89	77			
			5	401NB off Ramp	At St Clair College		60	R	86.8	74.8	85	73			
			6	401SB on Ramp	At St Clair College		60	R	119.8	106.8	118	105			
			7	Cousineau Dr	E.of N Service Rd		50	R	15	18	15	18			

Alternative 1B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
J-K	R1_2	8-N	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-6	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-6	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
			5	401NB Off Ramp	At St Clair College		-6	6964	0.26	0.13	84.22	7309	0.39	0.19	84.70	7753	0.62	0.31	85.05
			6	401SB On Ramp	At St Clair College		-6	5498	0.33	0.16	81.08	5906	0.37	0.19	81.99	6223	0.40	0.20	81.74
			7	Cousineau Dr	E.of N Service Rd			9811	0.00	0.00	92.20	9523	0.00	0.00	91.86	9897	0.00	0.00	91.80
J-K	R2_1	9-N	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-8	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-8	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
J-K	R2_2	9-N	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-8	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-8	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
J-K	R3_1	10-N	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-7	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-7	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
			5	Howard Ave	E.of N Service Rd			16200	1.18	0.59	93.12	18369	1.20	0.60	93.22	19700	1.19	0.60	93.15
J-K	R3_2	10-N	1	S.Service Rd	Cousineau Dr	Howard Ave		6282	1.38	3.21	91.25	6321	1.38	3.87	90.94	6597	1.37	4.52	90.75
			2	N.Service Rd	Cousineau Dr	Howard Ave		7461	0.99	0.50	93.24	7603	0.98	0.49	93.28	7984	0.85	0.43	93.10
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-7	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-7	19664	3.47	24.10	82.49	22641	3.73	26.86	81.27	26044	3.94	28.73	81.16
			5	Howard Ave	E.of N Service Rd			16200	1.18	0.59	93.12	18369	1.20	0.60	93.22	19700	1.19	0.60	93.15
K-L	R1	11-N	1	S.Service Rd	E. Of Howard Ave			12060	1.31	0.66	91.93	13024	1.29	0.64	91.72	14106	1.33	0.66	91.76
			2	N.Service Rd	E. Of Howard Ave			13630	1.39	0.69	93.62	14732	1.36	0.68	93.84	15472	1.36	0.68	93.69
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-4	21700	3.86	31.02	81.83	27071	4.24	35.45	81.99	30301	4.55	38.97	82.11
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	10589	4.73	39.40	78.49	13212	4.89	40.57	77.42	16399	5.08	41.73	77.69
			5	Howard	E.of N Service Rd			16200	1.18	0.59	93.12	18369	1.20	0.60	93.22	19700	1.19	0.60	93.15
			6	Hwy 401 NB on ramp	Hwy 3 Merge/Split		-4	9124	1.26	0.63	88.00	9462	1.24	0.62	87.71	9728	1.28	0.64	87.99
K-L	R2	12-N	1	S.Service Rd	E. Of Howard Ave			12060	1.31	0.66	91.93	13024	1.29	0.64	91.72	14106	1.33	0.66	91.76
			2	N.Service Rd	E. Of Howard Ave			13630	1.39	0.69	93.62	14732	1.36	0.68	93.84	15472	1.36	0.68	93.69
			3	Hwy 401 SB	2. Hwy 3/401 SB Off Ramp	Hwy 3/401 SB On Ramp	0	11201	3.88	31.67	84.87	15736	4.26	36.11	84.94	18464	4.57	39.63	84.70
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	0	10589	4.73	39.40	78.49	13212	4.89	40.57	77.42	16399	5.08	41.73	77.69
			5	401NB on Ramp	Hwy 3 Merge/Split		2	9124	1.26	0.63	88.00	9462	1.24	0.62	87.71	9728	1.28	0.64	87.99
			6	401NB off Ramp	Hwy 3 Merge/Split		6	9967	1.58	4.45	87.78	11304	1.65	5.42	88.15	11862	1.73	6.56	88.07
			7	401SB on Ramp	Hwy 3 Merge/Split			9566	1.69	4.47	82.39	10832	1.72	5.49	81.37	11814	1.75	6.20	81.59
			8	401SB off Ramp	Hwy 3 Merge/Split			9491	1.29	0.65	80.73	10063	1.25	0.62	80.46	10383	1.27	0.64	80.88
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19954	3.41	23.83	82.98	24657	3.48	24.32	82.87	27629	3.67	25.92	82.31
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	0	21530	3.96	32.30	82.73	26996	4.18	34.77	82.28	31034	4.45	37.65	82.19

Alternative 1B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
J-K	R1_2	8-N	1	S.Service Rd	Cousineau Dr	Howard Ave	60	R	177.5	165.5	174	162			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	R	115.5	103.5	112	100			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	R	156.5	144.5	151	139			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	R	138.5	125.5	133	120			
			5	401NB Off Ramp	At St Clair College		60	R	129.8	117.8	128	116			
			6	401SB On Ramp	At St Clair College		60	R	163.8	151.8	162	150			
			7	Cousineau Dr	E.of N Service Rd		50	R	15	18	15	18			
J-K	R2_1	9-N	1	S.Service Rd	Cousineau Dr	Howard Ave	60	A	360.5	343.5	357	340			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	A	303.5	285.5	300	282			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	A	341.5	323.5	336	318			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	A	323.5	305.5	318	300			
J-K	R2_2	9-N	1	S.Service Rd	Cousineau Dr	Howard Ave	60	A	402.5	384.5	399	381			
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	A	339.5	322.5	336	319			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	A	380.5	363.5	375	358			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	A	363.5	345.5	358	340			
J-K	R3_1	10-N	1	S.Service Rd	Cousineau Dr	Howard Ave	60	R	130.5	133.5	127	130	2.438	24	2.5
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	R	62.5	65.5	59	62			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	R	109.5	112.5	104	107			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	R	91.5	94.5	86	89			
			5	Howard Ave	E.of N Service Rd		60	R	173	165	173	165			
J-K	R3_2	10-N	1	S.Service Rd	Cousineau Dr	Howard Ave	60	R	138.5	141.5	135	138	2.438	24	2.5
			2	N.Service Rd	Cousineau Dr	Howard Ave	60	R	62.5	65.5	59	62			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	R	119.5	122.5	114	117			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	100	R	101.5	104.5	96	99			
			5	Howard Ave	E.of N Service Rd		60	R	173	165	173	165			
K-L	R1	11-N	1	S.Service Rd	E. Of Howard Ave		60	A	226.5	230.5	223	227	3.048	13	0
			2	N.Service Rd	E. Of Howard Ave		60	A	49.5	52.5	46	49			
			3	Hwy 401 SB	3. St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	100	R	172.5	176.5	167	171			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	155.5	158.5	150	153			
			5	Howard	E.of N Service Rd		60	R	131	134	131	134			
			6	Hwy 401 NB on ramp	Hwy 3 Merge/Split		60	R	149.8	145.8	148	144			
K-L	R2	12-N	1	S.Service Rd	E. Of Howard Ave		60	R	284.5	287.5	281	284	3.048	9	0
			2	N.Service Rd	E. Of Howard Ave		60	A	37.5	40.5	34	37			
			3	Hwy 401 SB	2. Hwy 3/401 SB Off Ramp	Hwy 3/401 SB On Ramp	100	R	199.5	202.5	194	197			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	180.5	183.5	175	178			
			5	401NB on Ramp	Hwy 3 Merge/Split		60	R	64.8	67.8	63	66			
			6	401NB off Ramp	Hwy 3 Merge/Split		60	R	128.8	131.8	127	130			
			7	401SB on Ramp	Hwy 3 Merge/Split		60	R	275.8	278.8	274	277			
			8	401SB off Ramp	Hwy 3 Merge/Split		60	R	205.8	208.8	204	207			
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	100	A	76	79	77	74	3.048	15	0
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	100	A	60	63	60	57			

Alternative 2A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
<b>Receptors on the South Side</b>																				
GH	R1-A	1A-S	1	Spring Garden Rd	W. of Huron Church Rd			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21	
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			4	401 NB On Ramp-25	EC Row Expressway IC			2178	3.30	33.02	76.55	2537	3.72	37.24	79.07	3026	3.80	38.04	78.06	
			5	401 SB Off Ramp-26	EC Row Expressway to Hwy 401		5	13781	1.68	6.14	84.12	15448	1.83	7.39	82.81	18181	1.83	7.39	82.81	
			6	Malden Rd	Chappus	401 S .Ramp		19175	2.71	1.35	92.23	19777	2.56	1.28	92.01	20768	2.43	1.22	91.91	
			7	401 NB On Ramp-22	Ojibway Pkwy IC		0	1495	1.66	16.65	66.66	1689	1.85	18.46	66.27	1807	1.99	19.86	65.77	
			8	EC Row EB	At Malden Rd			29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80	
			9	EC Row WB	At Malden Rd			23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36	
GH	R1	1-S	1	Spring Garden Rd	W. of Huron			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21	
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			4	EC Row EB	At Malden Rd			29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80	
			5	EC Row WB	At Malden Rd			23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36	
GH	R2-A	2A-S	1	Parallel Rd	Spring Garden	W. of Huron Church			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	0	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	0	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			5	401 NB On Ramp-22	Ojibway Pkwy IC		0	1495	1.66	16.65	66.66	1689	1.85	18.46	66.27	1807	1.99	19.86	65.77	
			6	EC Row EB	At Malden Rd			29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80	
			7	EC Row WB	At Malden Rd			23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36	
			8	401 SB On Ramp	At Huron Church		0	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55	
			9	Spring Garden	W. of Huron Church		0	5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21	
GH	R2	2-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	0	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	0	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			5	EC Row EB	At Malden Rd			29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80	
			6	EC Row WB	At Malden Rd			23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36	
			7	401 SB On Ramp	At Huron Church			15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55	
			8	EC Row WB Ramp Terminal	E-N/S Ramp			13740	1.29	0.65	91.69	16099	1.29	0.65	91.75	16787	1.35	0.67	91.70	
			9	401 NB Off Ramp	At Huron Church			15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23	
			10	Spring Garden	Spring Garden	W. of Huron Church		5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21	

Alternative 2A			Road Segment					Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
<b>Receptors on the South Side</b>															
GH	R1-A	1A-S	1	Spring Garden Rd	W. of Huron Church Rd		50	R	31	17	31	17			
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	238.5	241.5	233	236			
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	255.5	258.5	250	253			
			4	401 NB On Ramp-25	EC Row Expressway IC		60	A	339.8	342.8	338	341			
			5	401 SB Off Ramp-26	EC Row Expressway to Hwy 401		60	A	196.8	199.8	195	198			
			6	Malden Rd	Chappus	401 S .Ramp	60	R	54	57	54	57			
			7	401 NB On Ramp-22	Ojibway Pkwy IC		50	A	338.8	341.8	337	340			
			8	EC Row EB	At Malden Rd		100	A	379	382	379	382			
			9	EC Row WB	At Malden Rd		100	A	398	401	398	401			
GH	R1	1-S	1	Spring Garden Rd	W. of Huron		50	R	31	17	31	17			
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	277.5	280.5	272	275			
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	295.5	298.5	290	293			
			4	EC Row EB	At Malden Rd		100	A	379	382	379	382			
			5	EC Row WB	At Malden Rd		100	A	398	401	398	401			
GH	R2-A	2A-S	1	Parallel Rd	Spring Garden	W. of Huron Church	50	A	15	18	15	18			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	497.5	500.5	494	497			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	95.5	98.5	90	93			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	113.5	116.5	108	111			
			5	401 NB On Ramp-22	Ojibway Pkwy IC		50	A	140.8	143.8	139	142			
			6	EC Row EB	At Malden Rd		100	A	356	359	356	359			
			7	EC Row WB	At Malden Rd		100	A	377	380	377	380			
			8	401 SB On Ramp	At Huron Church		60	A	386.8	354.8	385	353			
			9	Spring Garden	W. of Huron Church		50	A	32	35	32	35			
GH	R2	2-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	483	479	NA	NA			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	496	492	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	187.5	176.5	182	171			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	205.5	194.5	200	189			
			5	EC Row EB	At Malden Rd		100	A	321	312	321	312			
			6	EC Row WB	At Malden Rd		100	A	340	332	340	332			
			7	401 SB On Ramp	At Huron Church		60	A	395.8	389.8	394	388			
			8	EC Row WB Ramp Terminal	E-N/S Ramp		60	A	309.8	299.8	308	298			
			9	401 NB Off Ramp	At Huron Church		60	A	427.8	422.8	426	421			
			10	Spring Garden	Spring Garden	W. of Huron Church-	50	A	32	21	32	21			

Alternative 2A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
GH	R3-A	3A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		-8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		-8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			5	EC Row EB	At Malden Rd				29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80
			6	EC Row WB	At Malden Rd				23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36
			7	401 SB On Ramp	At Huron Church			0	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			8	EC Row N. Ramp Terminal	E-N/S Ramp				13740	1.29	0.65	91.69	16099	1.29	0.65	91.75	16787	1.35	0.67	91.70
			9	401 NB Off Ramp	At Huron Church			0	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			10	Parallel Rd (Bethlehem, use Spring Garden traffic data)	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R4-A	4A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		-10	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		-10	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			5	401 SB On Ramp	At Huron Church			-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church			-10	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Lamont Ave	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R4	4-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		-10	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		-10	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			5	401 SB On Ramp	At Huron Church			-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church			-10	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Lamont Ave	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
G-H	R5	5-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp		-4	29083	3.18	24.12	84.00	36031	3.48	27.69	83.22	40739	3.72	30.30	82.53
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp		-4	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	Lambton/Grand Marais Rd	W.of Connecting Ramp				4714	0.78	0.39	91.43	4944	0.90	0.45	91.25	4282	0.87	0.44	90.11



Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
GH	R3-A	3A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	306	303	NA	NA			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	322	319	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	54.5	56.5	49	51			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	71.5	74.5	66	69			
			5	EC Row EB	At Malden Rd		100	A	425	428	425	428			
			6	EC Row WB	At Malden Rd		100	A	445	448	445	448			
			7	401 SB On Ramp	At Huron Church		60	A	159.8	156.8	158	155			
			8	EC Row N. Ramp Terminal	E-N/S Ramp		50	A	383.8	387.8	382	386			
			9	401 NB Off Ramp Parallel Rd	At Huron Church		60	A	198.8	195.8	197	194			
			10	(Bethlehem, use Spring Garden traffic data)	Spring Garden	W. of Huron Church-	50	A	37	17	37	17			
GH	R4-A	4A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	180	171	NA	NA			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	193	188	NA	NA			
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	109.5	91.5	104	86			
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	90.5	74.5	85	69			
			5	401 SB On Ramp	At Huron Church		60	R	62.8	45.8	61	44			
			6	401 NB Off Ramp	At Huron Church		60	R	117.8	102.8	116	101			
			7	Lamont Ave	Spring Garden	W. of Huron Church	50	R	41	16	41	16			
GH	R4	4-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	180	171	NA	NA			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	193	188	NA	NA			
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	A	134.5	121.5	129	116			
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	A	116.5	103.5	111	98			
			5	401 SB On Ramp	At Huron Church		60	R	85.8	71.8	84	70			
			6	401 NB Off Ramp	At Huron Church		60	R	143.8	129.8	142	128			
			7	Lamont Ave	Spring Garden	W. of Huron Church-	50	R	41	16	41	16			
G-H	R5	5-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	114	111	NA	NA	1.524	6	0
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	130	127	NA	NA			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	100	A	73.5	70.5	68	65			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	A	90.5	87.5	85	82			
			5	Lambton/Grand Marais Rd	W.of Connecting Ramp		50	R	30	18	30	18			

Alternative 2A			Road Segment					2015				2025				2035					
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)		
G-H	R6	6-S	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		6730	0.37	0.19	92.49	8072	0.41	0.21	92.19	8380	0.43	0.22	92.01		
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		8208	1.11	0.55	90.15	8577	1.18	0.59	90.05	8947	0.99	0.49	90.04		
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp		-2	29083	3.18	24.12	84.00	36031	3.48	27.69	83.22	40739	3.72	30.30	82.53	
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp		-2	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80	
			5	Lambton/Grand Marais Rd	W.of Connecting Ramp				4714	0.78	0.39	91.43	4944	0.90	0.45	91.25	4282	0.87	0.44	90.11	
H-I	R1	7-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		7395	0.45	0.23	92.42	8686	0.48	0.24	92.23	9494	0.48	0.24	92.29		
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		8186	1.24	0.62	90.73	8811	1.25	0.62	90.92	9368	1.26	0.63	90.95		
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		0	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71	
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		0	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74	
			5	401 NB On Ramp	At Todd Lane/Cabana Rd				11458	0.67	0.33	86.03	12703	0.71	0.35	86.48	13317	0.73	0.42	86.71	
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd				13410	0.70	0.84	82.10	14847	0.72	1.00	80.95	16154	0.72	1.00	80.95	
H-I	R2	8-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		7395	0.45	0.23	92.42	8686	0.48	0.24	92.23	9494	0.48	0.24	92.29		
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		8186	1.24	0.62	90.73	8811	1.25	0.62	90.92	9368	1.26	0.63	90.95		
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-6	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71	
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-6	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74	
			5	401 NB On Ramp	At Todd Lane/Cabana Rd				0	11458	0.67	0.33	86.03	12703	0.71	0.35	86.48	13317	0.73	0.42	86.71
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd				0	13410	0.70	0.84	82.10	14847	0.72	1.00	80.95	16154	0.72	1.00	80.95
			7	Todd Lane	W. of Hwy 401 SB Ramps				21265	0.00	0.00	92.54	22281	0.00	0.00	92.70	22629	0.00	0.00	92.62	
H-I	R3	9-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		13226	0.81	0.75	93.13	14745	0.75	0.76	92.88	17025	0.82	0.82	92.90		
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11076	0.76	0.38	90.94	12791	0.81	0.40	91.30	14484	0.81	0.45	91.29		
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-6	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71	
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-6	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74	
			5	Todd Lane	W. of Hwy 401 SB Ramps				21265	0.00	0.00	92.54	22281	0.00	0.00	92.70	22629	0.00	0.00	92.62	
			6	401 NB Off Ramp	At Todd Lane/Cabana Rd				0	6875	0.72	0.36	84.88	7973	0.75	0.37	85.67	7877	0.89	0.45	86.13
			7	401 SB On Ramp	At Todd Lane/Cabana Rd				0	7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24
H-I	R4	10-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		13226	0.81	0.75	93.13	14745	0.75	0.76	92.88	17025	0.82	0.82	92.90		
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11076	0.76	0.38	90.94	12791	0.81	0.40	91.30	14484	0.81	0.45	91.29		
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-9	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71	
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-9	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74	
			5	401 NB Off Ramp	At Todd Lane/Cabana Rd				-2	6875	0.72	0.36	84.88	7973	0.75	0.37	85.67	7877	0.89	0.45	86.13
			6	401 SB On Ramp	At Todd Lane/Cabana Rd				-2	7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24

Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
G-H	R6	6-S	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	94	91	NA	NA	1.83	9	2
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	109	106	NA	NA			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	100	R	52.5	49.5	47	44			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	70.5	67.5	65	62			
			5	Lambton/Grand Marais Rd	W.of Connecting Ramp		50	R	61	64	61	64			
H-I	R1	7-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	181	179	NA	NA	bungalow		
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	198	195	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	79.5	76.5	74	71			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	98.5	94.5	93	89			
			5	401 NB On Ramp	At Todd Lane/Cabana Rd		60	A	103.8	99.8	102	98			
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd		60	A	65.8	61.8	64	60			
H-I	R2	8-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	368	365	NA	NA			
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	385	380	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	205.5	199.5	200	194			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	223.5	217.5	218	212			
			5	401 NB On Ramp	At Todd Lane/Cabana Rd		60	A	264.8	259.8	263	258			
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd		60	A	152.8	144.8	151	143			
			7	Todd Lane	W. of Hwy 401 SB Ramps		50	R	47	25	47	25			
H-I	R3	9-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	380	366	NA	NA			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	399	379	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	217.5	201.5	212	196			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	234.5	219.5	229	214			
			5	Todd Lane	W. of Hwy 401 SB Ramps		50	A	38	27	38	27			
			6	401 NB Off Ramp	At Todd Lane/Cabana Rd		60	A	277.8	262.8	276	261			
			7	401 SB On Ramp	At Todd Lane/Cabana Rd		60	A	142.8	127.8	141	126			
H-I	R4	10-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	273	269	NA	NA			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	285	281	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	186.5	181.5	181	176			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	204.5	199.5	199	194			
			5	401 NB Off Ramp	At Todd Lane/Cabana Rd		60	A	219.8	216.8	218	215			
			6	401 SB On Ramp	At Todd Lane/Cabana Rd		60	A	159.8	153.8	158	152			

Alternative 2A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
I-J	R1	11-S	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College		7682	0.00	0.00	91.12	7897	0.00	0.00	91.38	8548	0.00	0.00	91.40
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College		6414	0.09	0.04	91.02	6864	0.13	0.06	90.78	7245	0.12	0.06	90.63
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	0	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	0	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
I-J	R2_1	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-2	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-2	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
I-J	R2_2	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-2	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-2	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
J-K	R1_1	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
J-K	R1_2	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
J-K	R2_1	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	0	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	0	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
J-K	R2_2	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	0	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	0	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54

Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
I-J	R1	11-S	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College	60	A	158	161	NA	NA			
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College	60	A	175	178	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	115.5	118.5	110	113			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	133.5	136.5	128	131			
I-J	R2_1	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	236.5	229.5	233	226			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	252.5	245.5	249	242			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	193.5	186.5	188	181			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	211.5	205.5	206	200			
			5	Cousineau Dr	W.Talbot Rd		50	A	33	21	33	21			
I-J	R2_2	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	221	214	NA	NA			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	237	230	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	177.5	171.5	172	166			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	195.5	189.5	190	184			
			5	Cousineau Dr	W.Talbot Rd		50	A	33	21	33	21			
J-K	R1_1	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	117.5	114.5	114	111			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	133.5	130.5	130	127			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	74.5	71.5	69	66			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	92.5	89.5	87	84			
			5	Cousineau Dr	W.Talbot Rd		50	R	41	35	41	35			
J-K	R1_2	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	78	75	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	94	91	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	35.5	32.5	30	27			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	53.5	50.5	48	45			
			5	Cousineau Dr	W.Talbot Rd		50	R	41	35	41	35			
J-K	R2_1	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	137.5	141.5	134	138			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	153.5	157.5	150	154			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	94.5	98.5	89	93			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	113.5	116.5	108	111			
J-K	R2_2	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	75	78	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	88	92	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	31.5	34.5	26	29			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	49.5	52.5	44	47			

Alternative 2A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
J-K	R3	15-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87	
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34	
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-7	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79	
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54	
			5	Howard Ave	W. of Hwy 401 SB On-Ramp			27252	1.31	0.66	93.37	30282	1.31	0.65	93.33	33655	1.31	0.66	93.26	
			6	401 SB Off Ramp	Howard Ave			0	3146	0.71	0.36	86.64	3457	0.76	0.60	86.57	3755	0.74	0.59	86.46
K-L	R1	16-S	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		13247	1.40	0.70	92.21	14899	1.41	0.70	92.12	16234	1.43	0.72	92.11	
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		15176	1.28	0.64	91.94	16424	1.30	0.65	92.13	17869	1.33	0.67	92.44	
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-4	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79	
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	7731	4.23	31.67	88.59	12076	4.56	35.04	84.31	13738	4.78	37.38	82.49	
			5	401NB On Ramp	Hwy 3 Merge/Split			-4	9736	1.32	0.66	88.22	9748	1.33	0.66	87.96	10103	1.37	0.68	87.70
			6	Howard	W. of Hwy 401 SB On-Ramp				27252	1.31	0.66	93.37	30282	1.31	0.65	93.33	33655	1.31	0.66	93.26
			7	401 NB off Ramp	Hwy 3 Merge/Split			0	11467	1.58	4.55	83.90	12564	1.66	5.55	84.17	14074	1.76	6.81	84.79
L-M	R1	17-S	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19958	3.44	23.96	82.99	24670	3.54	24.56	82.89	27671	3.72	26.33	82.25	
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	0	21565	3.99	32.65	82.70	27043	4.23	35.27	82.25	31056	4.46	37.84	82.16	

Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
J-K	R3	15-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	215	218	NA	NA	bungalow		
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	230	233	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	A	126.5	129.5	121	124			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	144.5	147.5	139	142			
			5	Howard Ave	W. of Hwy 401 SB On-Ramp		60	A	54	57	54	57			
			6	401 SB Off Ramp	Howard Ave		60	A	58.8	61.8	57	60			
K-L	R1	16-S	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	246	227	NA	NA			
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	263	244	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	99.5	81.5	94	76			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	117.5	100.5	112	95			
			5	401NB On Ramp	Hwy 3 Merge/Split		60	R	136.8	118.8	135	117			
			6	Howard	W. of Hwy 401 SB On-Ramp		60	R	121	119	121	119			
			7	401 NB off Ramp	Hwy 3 Merge/Split		60	R	252.8	233.8	251	232			
L-M	R1	17-S	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	100	A	122	125	122	125			
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	100	A	107	110	107	110			

Alternative 2A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the North Side</b>																			
GH	R1-A	1A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-10	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-10	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			5	401 SB On Ramp	At Huron Church		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church		-10	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Labelle St	E. of HC Road			5472	0.00	0.00	89.82	5943	0.00	0.00	89.32	6231	0.00	0.00	89.17
GH	R1	1-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-10	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-10	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			5	401 SB On Ramp	At Huron Church		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church		-10	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Labelle St	E. of HC Road			5472	0.00	0.00	89.82	5943	0.00	0.00	89.32	6231	0.00	0.00	89.17
GH	R2-A	2A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-10	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	-10	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	401 SB On Ramp	At Huron Church Rd		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
GH	R2	2-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-10	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	-10	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	401 SB On Ramp	At Huron Church Rd		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55



Alternative 2A			Road Segment					Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
<b>Receptors on the North Side</b>															
GH	R1-A	1A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	60	57	NA	NA	2.43	4	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	47	44	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	139.5	133.5	134	128			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	R	120.5	115.5	115	110			
			5	401 SB On Ramp	At Huron Church		60	R	161.8	155.8	160	154			
			6	401 NB Off Ramp	At Huron Church		60	R	108.8	98.8	107	97			
			7	Labelle St	E. of HC Road		50	A	71	79	71	79			
GH	R1	1-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	60	57	NA	NA	2.43	4	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	47	45	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	120.5	116.5	115	111			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	R	102.5	98.5	97	93			
			5	401 SB On Ramp	At Huron Church		60	R	142.8	136.8	141	135			
			6	401 NB Off Ramp	At Huron Church		60	R	89.8	81.8	88	80			
			7	Labelle St	E. of HC Road		50	A	71	79	71	79			
GH	R2-A	2A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	67	64	NA	NA	2.43	5	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	51	48	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	113.5	110.5	108	105			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	95.5	92.5	90	87			
			5	401 SB On Ramp	At Huron Church Rd		60	R	120.8	118.8	119	117			
GH	R2	2-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	67	64	NA	NA	2.43	5	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	51	48	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	110.5	107.5	105	102			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	92.5	89.5	87	84			
			5	401 SB On Ramp	At Huron Church Rd		60	R	118.8	115.8	117	114			

Alternative 2A			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
GH	R3	3-N	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		6730	0.37	0.19	92.49	8072	0.41	0.21	92.19	8380	0.43	0.22	92.01	
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		8208	1.11	0.55	90.15	8577	1.18	0.59	90.05	8947	0.99	0.49	90.04	
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp		0	29083	3.18	24.12	84.00	36031	3.48	27.69	83.22	40739	3.72	30.30	82.53
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp		0	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
H-I	R1	4-N	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		7395	0.45	0.23	92.42	8686	0.48	0.24	92.23	9494	0.48	0.24	92.29	
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		8186	1.24	0.62	90.73	8811	1.25	0.62	90.92	9368	1.26	0.63	90.95	
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-6	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-6	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401NB On Ramp	At Todd Lane/Cabana Rd				11458	0.67	0.33	86.03	12703	0.71	0.35	86.48	13317	0.73	0.42	86.71
			6	401SB Off Ramp	At Todd Lane/Cabana Rd				13410	0.70	0.84	82.10	14847	0.72	1.00	80.95	16154	0.72	1.00	80.95
			7	Cabana Rd	E. of HC Road				14642	0.00	0.00	91.81	16187	0.00	0.00	91.74	18077	0.00	0.00	91.78
H-I	R2	5-N	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		13226	0.81	0.75	93.13	14745	0.75	0.76	92.88	17025	0.82	0.82	92.90	
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11076	0.76	0.38	90.94	12791	0.81	0.40	91.30	14484	0.81	0.45	91.29	
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-6	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-6	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401NB Off Ramp	At Todd Lane/Cabana Rd				6875	0.72	0.36	84.88	7973	0.75	0.37	85.67	7877	0.89	0.45	86.13
			6	401SB On Ramp	At Todd Lane/Cabana Rd				7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24
			7	Cabana Rd	E. of HC Road				14642	0.00	0.00	91.81	16187	0.00	0.00	91.74	18077	0.00	0.00	91.78
H-I	R3	6-N	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College		7682	0.00	0.00	91.12	7897	0.00	0.00	91.38	8548	0.00	0.00	91.40	
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College		6414	0.09	0.04	91.02	6864	0.13	0.06	90.78	7245	0.12	0.06	90.63	
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp		-4	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp		-4	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	401SB On Ramp (only 2A)	At Todd Lane/Cabana Rd			0	7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24
I-J	R1_1	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69	
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67	
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp		-5	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp		-5	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road				10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
I-J	R1_2	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69	
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67	
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp		-5	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp		-5	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road				10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73

Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
GH	R3	3-N	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	64	67	NA	NA	1.52	8	0
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	51	54	NA	NA			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	100	R	109.5	112.5	104	107			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	91.5	94.5	86	89			
H-I	R1	4-N	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	87	79	NA	NA			
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	71	63	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	237.5	234.5	232	229			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	220.5	216.5	215	211			
			5	401NB On Ramp	At Todd Lane/Cabana Rd		60	A	188.8	182.8	187	181			
			6	401SB Off Ramp	At Todd Lane/Cabana Rd		60	A	314.8	307.8	313	306			
			7	Cabana Rd	E. of HC Road		50	R	26	29	26	29			
H-I	R2	5-N	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	R	32	35	NA	NA			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	R	16	19	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	R	172.5	175.5	167	170			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	R	155.5	158.5	150	153			
			5	401NB Off Ramp	At Todd Lane/Cabana Rd		60	R	134.8	137.8	133	136			
			6	401SB On Ramp	At Todd Lane/Cabana Rd		60	R	228.8	231.8	227	230			
			7	Cabana Rd	E. of HC Road		50	R	36	23	36	23			
H-I	R3	6-N	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College	60	R	82	85	NA	NA			
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College	60	R	64	67	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	122.5	125.5	117	120			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	105.5	108.5	100	103			
			5	401SB On Ramp (only 2A)	At Todd Lane/Cabana Rd		60	R	131.8	134.8	130	133			
I-J	R1_1	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	144.5	147.5	141	144			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	128.5	131.5	125	128			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	186.5	189.5	181	184			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	169.5	172.5	164	167			
			5	Cousineau Dr	E. of Talbot Road		50	A	166	162	166	162			
I-J	R1_2	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	180	183	NA	NA			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	167	170	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	225.5	228.5	220	223			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	207.5	210.5	202	205			
			5	Cousineau Dr	E. of Talbot Road		50	A	166	162	166	162			

Alternative 2A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
J-K	R1_1	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-5	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-5	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road			10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
J-K	R1_2	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-5	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-5	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road			10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
J-K	R2_1	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	0	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	0	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
J-K	R2_2	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	0	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	0	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
J-K	R3_1	10-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-3.5	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-3.5	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Hwy 401 SB Off Ramp	Howard Ave		0	3146	0.71	0.36	86.64	3457	0.76	0.60	86.57	3755	0.74	0.59	86.46
			6	Howard Ave	E. of Talbot Rd			18691	1.15	0.58	92.98	20282	1.18	0.63	92.84	21497	1.19	0.64	92.73
J-K	R3_2	10-N	1	S.Service Rd (Talbot Rd)	Cousineau Dr	Howard		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot Rd)	Cousineau Dr	Howard		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-3.5	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-3.5	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Hwy 401 SB Off Ramp	Howard Ave		0	3146	0.71	0.36	86.64	3457	0.76	0.60	86.57	3755	0.74	0.59	86.46
			6	Howard Ave	E. of Talbot Rd			18691	1.15	0.58	92.98	20282	1.18	0.63	92.84	21497	1.19	0.64	92.73

Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)			
J-K	R1_1	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	80.5	66.5	77	63			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	57.5	43.5	54	40			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	116.5	102.5	111	97			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	98.5	84.5	93	79			
			5	Cousineau Dr	E. of Talbot Road		50	R	15	18	15	18			
J-K	R1_2	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	128	113	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	113	98	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	171.5	156.5	166	151			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	153.5	138.5	148	133			
			5	Cousineau Dr	E. of Talbot Road		50	R	15	18	15	18			
J-K	R2_1	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	293.5	274.5	290	271			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	278.5	258.5	275	255			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	337.5	318.5	332	313			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	319.5	300.5	314	295			
J-K	R2_2	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	353	335	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	338	319	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	395.5	376.5	390	371			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	378.5	359.5	373	354			
J-K	R3_1	10-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard	60	R	67.5	70.5	64	67	2.438	24	2.5
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard	60	R	52.5	54.5	49	51			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	110.5	113.5	105	108			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	92.5	95.5	87	90			
			5	Hwy 401 SB Off Ramp	Howard Ave		60	R	119.8	122.8	118	121			
			6	Howard Ave	E. of Talbot Rd		60	R	173	165	173	165			
J-K	R3_2	10-N	1	S.Service Rd (Talbot Rd)	Cousineau Dr	Howard	60	R	75	78	NA	NA	2.438	24	2.5
			2	N.Service Rd (Talbot Rd)	Cousineau Dr	Howard	60	R	59	62	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	123.5	126.5	118	121			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	106.5	109.5	101	104			
			5	Hwy 401 SB Off	Howard Ave		60	R	131.8	135.8	130	134			
			6	Howard Ave	E. of Talbot Rd		60	R	173	165	173	165			

Alternative 2A			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
K-L	R1	11-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		13247	1.40	0.70	92.21	14899	1.41	0.70	92.12	16234	1.43	0.72	92.11
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		15176	1.28	0.64	91.94	16424	1.30	0.65	92.13	17869	1.33	0.67	92.44
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-4	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	7731	4.23	31.67	88.59	12076	4.56	35.04	84.31	13738	4.78	37.38	82.49
			5	Howard Ave	E. of Talbot Rd			18691	1.15	0.58	92.98	20282	1.18	0.63	92.84	21497	1.19	0.64	92.73
			6	401 NB Off Ramp	Hwy 3 merge/split			11467	1.58	4.55	83.90	12564	1.66	5.55	84.17	14074	1.76	6.81	84.79
			7	401 NB On Ramp	Hwy 3 merge/split		-4	9736	1.32	0.66	88.22	9748	1.33	0.66	87.96	10103	1.37	0.68	87.70
K-L	R2	12-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		13247	1.40	0.70	92.21	14899	1.41	0.70	92.12	16234	1.43	0.72	92.11
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		15176	1.28	0.64	91.94	16424	1.30	0.65	92.13	17869	1.33	0.67	92.44
			3	Hwy 401 SB	2. Hwy 3/401 SB	Hwy 3/401 SB On	0	9149	3.79	31.56	89.13	14014	4.15	35.48	86.57	16990	4.45	38.66	84.48
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	0	7731	4.23	31.67	88.59	12076	4.56	35.04	84.31	13738	4.78	37.38	82.49
			5	401 SB Off Ramp	Hwy 3 merge/split		0	9952	1.22	0.61	80.39	10144	1.27	0.64	80.72	10701	1.27	0.64	80.72
			6	401 NB Off Ramp	Hwy 3 merge/split		6	11467	1.58	4.55	83.90	12564	1.66	5.55	84.17	14074	1.76	6.81	84.79
			7	401 NB On Ramp	Hwy 3 merge/split		2	9736	1.32	0.66	88.22	9748	1.33	0.66	87.96	10103	1.37	0.68	87.70
			8	401 SB On Ramp	Hwy 3 merge/split		0	10350	1.66	4.42	81.96	11816	1.71	6.00	81.55	13164	1.71	6.00	81.55
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19958	3.44	23.96	82.99	24670	3.54	24.56	82.89	27671	3.72	26.33	82.25
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	0	21565	3.99	32.65	82.70	27043	4.23	35.27	82.25	31056	4.46	37.84	82.16

Alternative 2A			Road Segment						Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Speed Limit (km/h)	Intermediate surface Condition	Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
K-L	R1	11-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	63	66	NA	NA	3.048	13	0
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	45	49	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	173.5	176.5	168	171			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	154.5	158.5	149	153			
			5	Howard Ave	E. of Talbot Rd		60	R	131	134	131	134			
			6	401 NB Off Ramp	Hwy 3 merge/split		60	R	46.8	49.8	45	48			
			7	401 NB On Ramp	Hwy 3 merge/split		60	R	149.8	152.8	148	151			
K-L	R2	12-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	64	67	NA	NA	3.048	9	0
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	A	29	32	NA	NA			
			3	Hwy 401 SB	2. Hwy 3/401 SB	Hwy 3/401 SB On Ramp	100	R	199.5	202.5	194	197			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	182.5	185.5	177	180			
			5	401 SB Off Ramp	Hwy 3 merge/split		60	R	205.8	208.8	204	207			
			6	401 NB Off Ramp	Hwy 3 merge/split		60	R	127.8	130.8	126	129			
			7	401 NB On Ramp	Hwy 3 merge/split		60	R	64.8	67.8	63	66			
			8	401 SB On Ramp	Hwy 3 merge/split		60	R	275.8	278.8	274	277			
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	100	A	76	79	76	79	3.048	15	0
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	100	A	60	63	60	63			

Alternative 2B			Road Segment					2015				2025				2035					
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)		
<b>Receptors on the South Side</b>																					
GH	R1-A	1A-S	1	Spring Garden Rd	W. of Huron Church Rd			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21		
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			4	401 NB On Ramp-25	EC Row Expressway IC					2178	3.30	33.02	76.55	2537	3.72	37.24	79.07	3026	3.80	38.04	78.06
			5	401 SB Off Ramp-26	EC Row Expressway to Hwy 401				5	13781	1.68	6.14	84.12	15448	1.83	7.39	82.81	18181	1.83	7.39	82.81
			6	Malden Rd	Chappus	401 S .Ramp			18779	2.71	1.36	92.14	19769	2.56	1.28	92.01	20818	2.43	1.21	91.88	
			7	401 NB On Ramp-22	Ojibway Pkwy IC				0	1495	1.66	16.65	66.66	1689	1.85	18.46	66.27	1807	1.99	19.86	65.77
			8	EC Row EB	At Malden Rd					29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80
GH	R1	1-S	1	Spring Garden Rd	W. of Huron Church Rd			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21		
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			4	EC Row EB	At Malden Rd					29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80
			5	EC Row WB	At Malden Rd					23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36
GH	R2-A	2A-S	1	Parallel Rd	Spring Garden	W. of Huron Church			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp			9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		0	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		0	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			5	401 NB On Ramp- 22	Ojibway Pkwy IC				0	1495	1.66	16.65	66.66	1689	1.85	18.46	66.27	1807	1.99	19.86	65.77
			6	EC Row EB	At Malden Rd					29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80
			7	EC Row WB	At Malden Rd					23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36
			8	401 SB On Ramp	At Huron Church				0	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			9	Spring Garden	W. of Huron Church				0	5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R2	2-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp			7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp			9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		0	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		0	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			5	EC Row EB	At Malden Rd					29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80
			6	EC Row WB	At Malden Rd					23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36
			7	401 SB On Ramp	At Huron Church					15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			8	EC Row N. Ramp Terminal	E-N/S Ramp					13740	1.29	0.65	91.69	16099	1.29	0.65	91.75	16787	1.35	0.67	91.70
			9	401 NB Off Ramp	At Huron Church					15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			10	Spring Garden	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21	



Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)		
									(m)	(m)	(m)	(m)					
<b>Receptors on the South Side</b>																	
GH	R1-A	1A-S	1	Spring Garden Rd	W. of Huron Church Rd		50	R	31	17	31	17					
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	238.5	241.5	233	236				
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	255.5	258.5	250	253				
			4	401 NB On Ramp-25	EC Row Expressway IC				60	A	339.8	342.8	338	341			
			5	401 SB Off Ramp-26	EC Row Expressway to Hwy 401				60	A	196.8	199.8	195	198			
			6	Malden Rd	Chappus	401 S .Ramp		60	R	54	57	54	57				
			7	401 NB On Ramp-22	Ojibway Pkwy IC				50	A	338.8	341.8	337	340			
			8	EC Row EB	At Malden Rd				100	A	379	382	379	382			
			9	EC Row WB	At Malden Rd				100	A	398	401	398	401			
GH	R1	1-S	1	Spring Garden Rd	W. of Huron Church Rd		50	R	31	17	31	17					
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	277.5	280.5	272	275				
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	295.5	298.5	290	293				
			4	EC Row EB	At Malden Rd				100	A	379	382	379	382			
			5	EC Row WB	At Malden Rd				100	A	398	401	398	401			
GH	R2-A	2A-S	1	Parallel Rd	Spring Garden	W. of Huron Church		50	A	15	18	15	18				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		60	A	497.5	500.5	494	497				
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	95.5	98.5	90	93				
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	113.5	116.5	108	111				
			5	401 NB On Ramp- 22	Ojibway Pkwy IC				50	A	140.8	143.8	139	142			
			6	EC Row EB	At Malden Rd				100	A	356	359	356	359			
			7	EC Row WB	At Malden Rd				100	A	377	380	377	380			
			8	401 SB On Ramp	At Huron Church				60	A	386.8	354.8	385	353			
			9	Spring Garden	W. of Huron Church				50	A	32	35	32	35			
GH	R2	2-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		60	A	483	479	NA	NA				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		60	A	496	492	NA	NA				
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	187.5	176.5	182	171				
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	205.5	194.5	200	189				
			5	EC Row EB	At Malden Rd				100	A	321	312	321	312			
			6	EC Row WB	At Malden Rd				100	A	340	332	340	332			
			7	401 SB On Ramp	At Huron Church				60	A	395.8	389.8	394	388			
			8	EC Row N. Ramp Terminal	E-N/S Ramp				60	A	309.8	299.8	308	298			
			9	401 NB Off Ramp	At Huron Church				60	A	427.8	422.8	426	421			
			10	Spring Garden	Spring Garden	W. of Huron Church-		50	A	32	21	32	21				

Alternative 2B			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
GH	R3-A	3A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			5	EC Row EB	At Malden Rd			29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80	
			6	EC Row WB	At Malden Rd			23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36	
			7	401 SB On Ramp	At Huron Church			0	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			8	EC Row N. Ramp Terminal	E-N/S Ramp			0	13740	1.29	0.65	91.69	16099	1.29	0.65	91.75	16787	1.35	0.67	91.70
			9	401 NB Off Ramp	At Huron Church			0	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			10	Parallel Rd (Bethlehem, use Spring Garden traffic data)	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R3	3-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-8	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-8	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			5	EC Row EB	At Malden Rd			29858	1.54	3.81	92.25	32888	1.55	4.23	92.26	37407	1.57	4.29	91.80	
			6	EC Row WB	At Malden Rd			23297	1.51	2.77	91.66	29382	1.50	3.13	91.13	33768	1.48	3.26	90.36	
			7	401 SB On Ramp	At Huron Church			0	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			8	EC Row N. Ramp Terminal	E-N/S Ramp			0	13740	1.29	0.65	91.69	16099	1.29	0.65	91.75	16787	1.35	0.67	91.70
			9	401 NB Off Ramp	At Huron Church			0	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			10	Spring Garden	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R4-A	4A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-9	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			5	401 SB On Ramp	At Huron Church			-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church			-9	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Lamont Ave	Spring Garden	W. of Huron Church			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21
GH	R4	4-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-9	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07	
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47	
			5	401 SB On Ramp	At Huron Church			-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church			-9	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Lamont Ave	Spring Garden	W. of Huron Church-			5440	0.00	0.00	92.25	5440	0.00	0.00	92.25	5486	0.00	0.00	92.21

Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)	
									(m)	(m)	(m)	(m)				
GH	R3-A	3A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	306	303	NA	NA				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	322	319	NA	NA				
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	54.5	56.5	49	51			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	71.5	74.5	66	69			
			5	EC Row EB	At Malden Rd			100	A	425	428	425	428			
			6	EC Row WB	At Malden Rd			100	A	445	448	445	448			
			7	401 SB On Ramp	At Huron Church			60	A	159.8	156.8	158	155			
			8	EC Row N. Ramp Terminal	E-N/S Ramp			50	A	383.8	387.8	382	386			
			9	401 NB Off Ramp	At Huron Church			60	A	198.8	195.8	197	194			
			10	Parallel Rd (Bethlehem, use Spring Garden traffic data)	Spring Garden	W. of Huron Church-		50	A	37	17	37	17			
GH	R3	3-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	306	303	NA	NA				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	322	319	NA	NA				
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	145.5	148.5	140	143			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	164.5	166.5	159	161			
			5	EC Row EB	At Malden Rd			100	A	425	428	425	428			
			6	EC Row WB	At Malden Rd			100	A	445	448	445	448			
			7	401 SB On Ramp	At Huron Church			60	A	172.8	169.8	171	168			
			8	EC Row N. Ramp Terminal	E-N/S Ramp			60	A	383.8	380.8	382	379			
			9	401 NB Off Ramp	At Huron Church			60	A	219.8	216.8	218	215			
			10	Spring Garden	Spring Garden	W. of Huron Church-		50	A	37	17	37	17			
GH	R4-A	4A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	180	171	NA	NA				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	193	188	NA	NA				
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	109.5	91.5	104	86			
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	90.5	74.5	85	69			
			5	401 SB On Ramp	At Huron Church			60	R	62.8	45.8	61	44			
			6	401 NB Off Ramp	At Huron Church			60	R	117.8	102.8	116	101			
			7	Lamont Ave	Spring Garden	W. of Huron Church		50	R	41	16	41	16			
GH	R4	4-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	180	171	NA	NA				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	193	188	NA	NA				
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		100	A	134.5	121.5	129	116			
			4	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		100	A	116.5	103.5	111	98			
			5	401 SB On Ramp	At Huron Church			60	R	85.8	71.8	84	70			
			6	401 NB Off Ramp	At Huron Church			60	R	143.8	129.8	142	128			
			7	Lamont Ave	Spring Garden	W. of Huron Church-		50	R	41	16	41	16			

Alternative 2B			Road Segment					2015				2025				2035				
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	
G-H	R5	5-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16	
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp		-12	29083	3.18	24.12	84.00	36031	3.48	27.69	83.22	40739	3.72	30.30	82.53
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp		-12	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	Lambton/Grand Marias Rd	W.of Connecting Ramp				4714	0.78	0.39	91.43	4944	0.90	0.45	91.25	4989	0.93	0.46	91.21
G-H	R6	6-S	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		6730	0.37	0.19	92.49	8072	0.41	0.21	92.19	8380	0.43	0.22	92.01	
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		8208	1.11	0.55	90.15	8577	1.18	0.59	90.05	8947	0.99	0.49	90.04	
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp		-12	29083	3.18	24.12	84.00	36031	3.48	27.69	83.22	40739	3.72	30.30	82.53
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp		-12	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	Lambton/Grand Marias Rd	W.of Connecting Ramp				4714	0.78	0.39	91.43	4944	0.90	0.45	91.25	4989	0.93	0.46	91.21
H-I	R1	7-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		7395	0.45	0.23	92.42	8686	0.48	0.24	92.23	9494	0.48	0.24	92.29	
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		8186	1.24	0.62	90.73	8811	1.25	0.62	90.92	9368	1.26	0.63	90.95	
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-11	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-11	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401 NB On Ramp	At Todd Lane/Cabana Rd				11458	0.67	0.33	86.03	12703	0.71	0.35	86.48	13317	0.73	0.42	86.71
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd				13410	0.70	0.84	82.10	14847	0.72	1.00	80.95	16154	0.72	1.00	80.95
H-I	R2	8-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		7395	0.45	0.23	92.42	8686	0.48	0.24	92.23	9494	0.48	0.24	92.29	
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		8186	1.24	0.62	90.73	8811	1.25	0.62	90.92	9368	1.26	0.63	90.95	
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-7	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-7	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401 NB On Ramp	At Todd Lane/Cabana Rd			0	11458	0.67	0.33	86.03	12703	0.71	0.35	86.48	13317	0.73	0.42	86.71
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd			0	13410	0.70	0.84	82.10	14847	0.72	1.00	80.95	16154	0.72	1.00	80.95
			7	Todd Lane	W. of Hwy 401 SB Ramps				21265	0.00	0.00	92.54	22281	0.00	0.00	92.70	22629	0.00	0.00	92.62
H-I	R3	9-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		13226	0.81	0.75	93.13	14745	0.75	0.76	92.88	17025	0.82	0.82	92.90	
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11076	0.76	0.38	90.94	12791	0.81	0.40	91.30	14484	0.81	0.45	91.29	
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-7	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-7	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	Todd Lane	W. of Hwy 401 SB Ramps				21265	0.00	0.00	92.54	22281	0.00	0.00	92.70	22629	0.00	0.00	92.62
			6	401 NB Off Ramp	At Todd Lane/Cabana Rd			0	6875	0.72	0.36	84.88	7973	0.75	0.37	85.67	7877	0.89	0.45	86.13
			7	401 SB On Ramp	At Todd Lane/Cabana Rd			0	7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24
H-I	R4	10-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		13226	0.81	0.75	93.13	14745	0.75	0.76	92.88	17025	0.82	0.82	92.90	
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11076	0.76	0.38	90.94	12791	0.81	0.40	91.30	14484	0.81	0.45	91.29	
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp		-7	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp		-7	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401 NB Off Ramp	At Todd Lane/Cabana Rd			-2	6875	0.72	0.36	84.88	7973	0.75	0.37	85.67	7877	0.89	0.45	86.13
			6	401 SB On Ramp	At Todd Lane/Cabana Rd			-2	7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24

Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
G-H	R5	5-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	114	111	NA	NA	1.524	6	0
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	130	127	NA	NA			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	100	A	73.5	70.5	68	65			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	A	90.5	87.5	85	82			
			5	Lambton/Grand Marias Rd	W.of Connecting Ramp		50	R	30	18	30	18			
G-H	R6	6-S	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	94	91	NA	NA	1.83	9	2
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	109	106	NA	NA			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	100	R	52.5	49.5	47	44			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	70.5	67.5	65	62			
			5	Lambton/Grand Marias Rd	W.of Connecting Ramp		50	R	61	64	61	64			
H-I	R1	7-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	181	179	NA	NA	bungalow		
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	198	195	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	79.5	76.5	74	71			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	98.5	94.5	93	89			
			5	401 NB On Ramp	At Todd Lane/Cabana Rd		60	A	103.8	99.8	102	98			
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd		60	A	65.8	61.8	64	60			
H-I	R2	8-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	368	365	NA	NA			
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	385	380	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	205.5	199.5	200	194			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	223.5	217.5	218	212			
			5	401 NB On Ramp	At Todd Lane/Cabana Rd		60	A	264.8	259.8	263	258			
			6	401 SB Off Ramp	At Todd Lane/Cabana Rd		60	A	152.8	144.8	151	143			
			7	Todd Lane	W. of Hwy 401 SB Ramps		50	R	47	25	47	25			
H-I	R3	9-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	380	366	NA	NA			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	399	379	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	217.5	201.5	212	196			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	234.5	219.5	229	214			
			5	Todd Lane	W. of Hwy 401 SB Ramps		50	A	38	27	38	27			
			6	401 NB Off Ramp	At Todd Lane/Cabana Rd		60	A	277.8	262.8	276	261			
			7	401 SB On Ramp	At Todd Lane/Cabana Rd		60	A	142.8	127.8	141	126			
H-I	R4	10-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	273	269	NA	NA			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	A	285	281	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	186.5	181.5	181	176			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	204.5	199.5	199	194			
			5	401 NB Off Ramp	At Todd Lane/Cabana Rd		60	A	219.8	216.8	218	215			
			6	401 SB On Ramp	At Todd Lane/Cabana Rd		60	A	159.8	153.8	158	152			

Alternative 2B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
I-J	R1	11-S	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College		7682	0.00	0.00	91.12	7897	0.00	0.00	91.38	8548	0.00	0.00	91.40
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College		6414	0.09	0.04	91.02	6864	0.13	0.06	90.78	7245	0.12	0.06	90.63
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
I-J	R2_1	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
I-J	R2_2	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
J-K	R1_1	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
J-K	R1_2	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	W.Talbot Rd			13598	0.00	0.00	93.35	15167	0.15	0.08	93.45	16481	0.20	0.10	93.46
J-K	R2_1	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-6	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-6	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54

Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
I-J	R1	11-S	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College	60	A	158	161	NA	NA			
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College	60	A	175	178	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	115.5	118.5	110	113			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	133.5	136.5	128	131			
I-J	R2_1	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	236.5	229.5	233	226			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	252.5	245.5	249	242			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	193.5	186.5	188	181			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	211.5	205.5	206	200			
			5	Cousineau Dr	W.Talbot Rd		50	A	33	21	33	21			
I-J	R2_2	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	221	214	NA	NA			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	237	230	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	177.5	171.5	172	166			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	195.5	189.5	190	184			
			5	Cousineau Dr	W.Talbot Rd		50	A	33	21	33	21			
J-K	R1_1	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	117.5	114.5	114	111			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	133.5	130.5	130	127			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	74.5	71.5	69	66			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	92.5	89.5	87	84			
			5	Cousineau Dr	W.Talbot Rd		50	R	41	35	41	35			
J-K	R1_2	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	78	75	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	94	91	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	35.5	32.5	30	27			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	53.5	50.5	48	45			
			5	Cousineau Dr	W.Talbot Rd		50	R	41	35	41	35			
J-K	R2_1	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	137.5	141.5	134	138			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	153.5	157.5	150	154			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	94.5	98.5	89	93			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	113.5	116.5	108	111			

Alternative 2B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
J-K	R2_2	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-6	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-6	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
J-K	R3	15-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-6	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-6	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Howard Ave	W. of Hwy 401 SB On-Ramp			27252	1.31	0.66	93.37	30282	1.31	0.65	93.33	33655	1.31	0.66	93.26
			6	401 SB Off Ramp	Howard Ave		0	3146	0.71	0.36	86.64	3457	0.76	0.60	86.57	3755	0.74	0.59	86.46
K-L	R1	16-S	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		13247	1.40	0.70	92.21	14899	1.41	0.70	92.12	16234	1.43	0.72	92.11
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		15176	1.28	0.64	91.94	16424	1.30	0.65	92.13	17869	1.33	0.67	92.44
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-4	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	7731	4.23	31.67	88.59	12076	4.56	35.04	84.31	13738	4.78	37.38	82.49
			5	401NB On Ramp	Hwy 3 Merge/Split		-4	9736	1.32	0.66	88.22	9748	1.33	0.66	87.96	10103	1.37	0.68	87.70
			6	Howard	W. of Hwy 401 SB On-Ramp			27252	1.31	0.66	93.37	30282	1.31	0.65	93.33	33655	1.31	0.66	93.26
			7	401 NB off Ramp	Hwy 3 Merge/Split		0	11467	1.58	4.55	83.90	12564	1.66	5.55	84.17	14074	1.76	6.81	84.79
L-M	R1	17-S	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19958	3.44	23.96	82.99	24670	3.54	24.56	82.89	27671	3.72	26.33	82.25
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	0	21565	3.99	32.65	82.70	27043	4.23	35.27	82.25	31056	4.46	37.84	82.16



Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)	(m)	(m)	(m)
J-K	R2_2	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	75	78	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	88	92	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	31.5	34.5	26	29			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	49.5	52.5	44	47			
J-K	R3	15-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	215	218	NA	NA	bungalow		
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	230	233	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	A	126.5	129.5	121	124			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	144.5	147.5	139	142			
			5	Howard Ave	W. of Hwy 401 SB On-Ramp		60	A	54	57	54	57			
			6	401 SB Off Ramp	Howard Ave		60	A	58.8	61.8	57	60			
K-L	R1	16-S	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	246	227	NA	NA			
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	263	244	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	99.5	81.5	94	76			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	117.5	100.5	112	95			
			5	401NB On Ramp	Hwy 3 Merge/Split		60	R	136.8	118.8	135	117			
			6	Howard	W. of Hwy 401 SB On-Ramp		60	R	121	119	121	119			
			7	401 NB off Ramp	Hwy 3 Merge/Split		60	R	252.8	233.8	251	232			
L-M	R1	17-S	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	100	A	122	125	122	125			
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	100	A	107	110	107	110			

Alternative 2B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
<b>Receptors on the North Side</b>																			
GH	R1-A	1A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-9	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			5	401 SB On Ramp	At Huron Church Rd		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church Rd		-9	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Labelle St	E. of HC Road			5472	0.00	0.00	89.82	5943	0.00	0.00	89.32	6231	0.00	0.00	89.17
GH	R1	1-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	-9	7274	5.33	48.43	77.70	9431	5.71	52.96	74.38	11213	5.96	55.97	73.07
			5	401 SB On Ramp	At Huron Church Rd		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
			6	401 NB Off Ramp	At Huron Church Rd		-9	15244	1.40	0.70	90.81	17534	1.45	0.72	90.59	18589	1.45	0.73	90.23
			7	Labelle St	E. of HC Road			5472	0.00	0.00	89.82	5943	0.00	0.00	89.32	6231	0.00	0.00	89.17
GH	R2-A	2A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	-9	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	401 SB On Ramp	At Huron Church Rd		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
GH	R2	2-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		7377	1.21	0.60	92.62	8762	1.44	0.72	91.74	9720	1.44	0.72	91.89
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		9600	0.77	0.39	88.94	10251	0.87	0.43	89.06	10516	0.90	0.45	89.16
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	-9	13766	5.48	50.93	82.45	19308	5.87	55.52	79.26	23011	6.15	58.86	78.47
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	-9	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
			5	401 SB On Ramp	At Huron Church Rd		-5	15712	1.66	6.47	84.48	17621	1.80	7.87	85.37	18987	1.80	7.91	85.55
GH	R3	3-N	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		6730	0.37	0.19	92.49	8072	0.41	0.21	92.19	8380	0.43	0.22	92.01
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		8208	1.11	0.55	90.15	8577	1.18	0.59	90.05	8947	0.99	0.49	90.04
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	-12	29083	3.18	24.12	84.00	36031	3.48	27.69	83.22	40739	3.72	30.30	82.53
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	-12	22373	2.60	15.45	87.24	26683	2.81	17.76	85.85	29403	2.97	19.64	84.80
H-I	R1	4-N	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		7395	0.45	0.23	92.42	8686	0.48	0.24	92.23	9494	0.48	0.24	92.29
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		8186	1.24	0.62	90.73	8811	1.25	0.62	90.92	9368	1.26	0.63	90.95
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	-7	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	-7	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401NB On Ramp	At Todd Lane/Cabana Rd			11458	0.67	0.33	86.03	12703	0.71	0.35	86.48	13317	0.73	0.42	86.71
			6	401SB Off Ramp	At Todd Lane/Cabana Rd			13410	0.70	0.84	82.10	14847	0.72	1.00	80.95	16154	0.72	1.00	80.95
			7	Cabana Rd	E. of HC Road			14642	0.00	0.00	91.81	16187	0.00	0.00	91.74	18077	0.00	0.00	91.78

Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
<b>Receptors on the North Side</b>															
GH	R1-A	1A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	60	57	NA	NA	2.43	4	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	47	44	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	139.5	133.5	134	128			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	R	120.5	115.5	115	110			
			5	401 SB On Ramp	At Huron Church Rd		60	R	161.8	155.8	160	154			
			6	401 NB Off Ramp	At Huron Church Rd		60	R	108.8	98.8	107	97			
			7	Labelle St	E. of HC Road		50	A	71	79	71	79			
GH	R1	1-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	60	57	NA	NA	2.43	4	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	47	45	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	120.5	116.5	115	111			
			4	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp	100	R	102.5	98.5	97	93			
			5	401 SB On Ramp	At Huron Church Rd		60	R	142.8	136.8	141	135			
			6	401 NB Off Ramp	At Huron Church Rd		60	R	89.8	81.8	88	80			
			7	Labelle St	E. of HC Road		50	A	71	79	71	79			
GH	R2-A	2A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	67	64	NA	NA	2.43	5	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	51	48	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	113.5	110.5	108	105			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	95.5	92.5	90	87			
			5	401 SB On Ramp	At Huron Church Rd		60	R	120.8	118.8	119	117			
GH	R2	2-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	67	64	NA	NA	2.43	5	2
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp	60	A	51	48	NA	NA			
			3	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp	100	R	110.5	107.5	105	102			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	92.5	89.5	87	84			
			5	401 SB On Ramp	At Huron Church Rd		60	R	118.8	115.8	117	114			
GH	R3	3-N	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	64	67	NA	NA	1.52	8	0
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St	60	R	51	54	NA	NA			
			3	Hwy 401 SB	6. HC Rd/401 SB On Ramp	Todd/401 SB Off Ramp	100	R	109.5	112.5	104	107			
			4	Hwy 401 NB	5. Todd/401 NB On Ramp	HC Rd/401 NB On Ramp	100	R	91.5	94.5	86	89			
H-I	R1	4-N	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	87	79	NA	NA			
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd	60	A	71	63	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	A	237.5	234.5	232	229			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	A	220.5	216.5	215	211			
			5	401NB On Ramp	At Todd Lane/Cabana Rd		60	A	188.8	182.8	187	181			
			6	401SB Off Ramp	At Todd Lane/Cabana Rd		60	A	314.8	307.8	313	306			
			7	Cabana Rd	E. of HC Road		50	R	26	29	26	29			

Alternative 2B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
H-I	R2	5-N	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		13226	0.81	0.75	93.13	14745	0.75	0.76	92.88	17025	0.82	0.82	92.90
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11076	0.76	0.38	90.94	12791	0.81	0.40	91.30	14484	0.81	0.45	91.29
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	-7	14880	3.93	31.88	87.09	20218	4.35	36.61	86.11	23531	4.67	40.26	84.71
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	-7	10510	3.63	22.02	91.37	13570	4.00	26.57	87.29	15706	4.27	30.11	84.74
			5	401NB Off Ramp	At Todd Lane/Cabana Rd			6875	0.72	0.36	84.88	7973	0.75	0.37	85.67	7877	0.89	0.45	86.13
			6	401SB On Ramp	At Todd Lane/Cabana Rd			7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24
			7	Cabana Rd	E. of HC Road			14642	0.00	0.00	91.81	16187	0.00	0.00	91.74	18077	0.00	0.00	91.78
H-I	R3	6-N	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College		7682	0.00	0.00	91.12	7897	0.00	0.00	91.38	8548	0.00	0.00	91.40
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College		6414	0.09	0.04	91.02	6864	0.13	0.06	90.78	7245	0.12	0.06	90.63
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	401SB On Ramp (only 2A)	At Todd Lane/Cabana Rd		0	7896	0.21	0.10	79.15	8077	0.30	0.15	78.24	8737	0.30	0.15	78.24
I-J	R1_1	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road			10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
I-J	R1_2	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		6404	0.00	0.00	93.38	7016	0.00	0.00	93.56	6843	0.00	0.00	93.69
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		9895	0.07	0.03	88.49	10440	0.08	0.04	88.64	10857	0.08	0.04	88.67
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road			10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
J-K	R1_1	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-6	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-6	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road			10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
J-K	R1_2	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-6	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-6	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Cousineau Dr	E. of Talbot Road			10698	0.00	0.00	92.16	11220	0.00	0.00	92.60	12229	0.00	0.00	92.73
J-K	R2_1	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54

Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)
									(m)	(m)	(m)	(m)			
H-I	R2	5-N	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	R	32	35	NA	NA			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line	60	R	16	19	NA	NA			
			3	Hwy 401 SB	5. Todd/401 SB Off Ramp	Todd/401 SB On Ramp	100	R	172.5	175.5	167	170			
			4	Hwy 401 NB	4. Todd/401 NB Off Ramp	Todd/401 NB On Ramp	100	R	155.5	158.5	150	153			
			5	401NB Off Ramp	At Todd Lane/Cabana Rd		60	R	134.8	137.8	133	136			
			6	401SB On Ramp	At Todd Lane/Cabana Rd		60	R	228.8	231.8	227	230			
			7	Cabana Rd	E. of HC Road		50	R	36	23	36	23			
H-I	R3	6-N	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College	60	R	82	85	NA	NA			
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College	60	R	64	67	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	122.5	125.5	117	120			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	105.5	108.5	100	103			
			5	401SB On Ramp (only 2A)	At Todd Lane/Cabana Rd		60	R	131.8	134.8	130	133			
I-J	R1_1	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	144.5	147.5	141	144			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	128.5	131.5	125	128			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	186.5	189.5	181	184			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	169.5	172.5	164	167			
			5	Cousineau Dr	E. of Talbot Road		50	A	166	162	166	162			
I-J	R1_2	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	180	183	NA	NA			
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr	60	A	167	170	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	225.5	228.5	220	223			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	207.5	210.5	202	205			
			5	Cousineau Dr	E. of Talbot Road		50	A	166	162	166	162			
J-K	R1_1	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	80.5	66.5	77	63			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	57.5	43.5	54	40			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	116.5	102.5	111	97			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	98.5	84.5	93	79			
			5	Cousineau Dr	E. of Talbot Road		50	R	15	18	15	18			
J-K	R1_2	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	128	113	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	R	113	98	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	R	171.5	156.5	166	151			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	153.5	138.5	148	133			
			5	Cousineau Dr	E. of Talbot Road		50	R	15	18	15	18			
J-K	R2_1	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	293.5	274.5	290	271			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	278.5	258.5	275	255			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	337.5	318.5	332	313			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	319.5	300.5	314	295			

Alternative 2B			Road Segment					2015				2025				2035			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)
J-K	R2_2	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	-7	23313	3.38	26.69	83.65	28889	3.76	30.93	83.21	32962	4.05	34.17	82.35
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
J-K	R3_1	10-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-7	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Hwy 401 SB Off Ramp	Howard Ave		0	3146	0.71	0.36	86.64	3457	0.76	0.60	86.57	3755	0.74	0.59	86.46
			6	Howard Ave	E. of Talbot Rd			18691	1.15	0.58	92.98	20282	1.18	0.63	92.84	21497	1.19	0.64	92.73
J-K	R3_2	10-N	1	S.Service Rd (Talbot Rd)	Cousineau Dr	Howard		5472	0.00	0.00	92.29	6166	0.04	0.02	92.37	6141	0.04	0.02	92.87
			2	N.Service Rd (Talbot Rd)	Cousineau Dr	Howard		9831	0.14	0.07	90.93	10484	0.29	0.15	91.20	10911	0.42	0.21	91.34
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-7	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	-7	17735	3.29	21.11	86.65	21980	3.56	24.05	84.80	24030	3.77	26.52	83.54
			5	Hwy 401 SB Off Ramp	Howard Ave		0	3146	0.71	0.36	86.64	3457	0.76	0.60	86.57	3755	0.74	0.59	86.46
			6	Howard Ave	E. of Talbot Rd			18691	1.15	0.58	92.98	20282	1.18	0.63	92.84	21497	1.19	0.64	92.73
K-L	R1	11-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		13247	1.40	0.70	92.21	14899	1.41	0.70	92.12	16234	1.43	0.72	92.11
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		15176	1.28	0.64	91.94	16424	1.30	0.65	92.13	17869	1.33	0.67	92.44
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	-4	20121	3.74	30.25	83.25	25374	4.11	34.53	82.81	29133	4.41	37.85	81.79
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	-4	7731	4.23	31.67	88.59	12076	4.56	35.04	84.31	13738	4.78	37.38	82.49
			5	Howard Ave	E. of Talbot Rd			18691	1.15	0.58	92.98	20282	1.18	0.63	92.84	21497	1.19	0.64	92.73
			6	401 NB Off Ramp	Hwy 3 merge/split		0	11467	1.58	4.55	83.90	12564	1.66	5.55	84.17	14074	1.76	6.81	84.79
			7	401 NB On Ramp	Hwy 3 merge/split		-4	9736	1.32	0.66	88.22	9748	1.33	0.66	87.96	10103	1.37	0.68	87.70
K-L	R2	12-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		13247	1.40	0.70	92.21	14899	1.41	0.70	92.12	16234	1.43	0.72	92.11
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split		15176	1.28	0.64	91.94	16424	1.30	0.65	92.13	17869	1.33	0.67	92.44
			3	Hwy 401 SB	2. Hwy 3/401 SB Off Ramp	Hwy 3/401 SB On Ramp	0	9149	3.79	31.56	89.13	14014	4.15	35.48	86.57	16990	4.45	38.66	84.48
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	0	7731	4.23	31.67	88.59	12076	4.56	35.04	84.31	13738	4.78	37.38	82.49
			5	401 SB Off Ramp	Hwy 3 merge/split		0	9952	1.22	0.61	80.39	10144	1.27	0.64	80.72	10701	1.27	0.64	80.72
			6	401 NB Off Ramp	Hwy 3 merge/split		6	11467	1.58	4.55	83.90	12564	1.66	5.55	84.17	14074	1.76	6.81	84.79
			7	401 NB On Ramp	Hwy 3 merge/split		2	9736	1.32	0.66	88.22	9748	1.33	0.66	87.96	10103	1.37	0.68	87.70
			8	401 SB On Ramp	Hwy 3 merge/split		0	10350	1.66	4.42	81.96	11816	1.71	6.00	81.55	13164	1.71	6.00	81.55
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19958	3.44	23.96	82.99	24670	3.54	24.56	82.89	27671	3.72	26.33	82.25
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	0	21565	3.99	32.65	82.70	27043	4.23	35.27	82.25	31056	4.46	37.84	82.16

Alternative 2B			Road Segment				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
									(m)	(m)	(m)	(m)	(m)	(m)	(m)
J-K	R2_2	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	353	335	NA	NA			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave	60	A	338	319	NA	NA			
			3	Hwy 401 SB	4. Todd/401 SB On Ramp	Howard/401 SB Off Ramp	100	A	395.5	376.5	390	371			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	A	378.5	359.5	373	354			
J-K	R3_1	10-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard	60	R	67.5	70.5	64	67	2.438	24	2.5
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard	60	R	52.5	54.5	49	51			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	110.5	113.5	105	108			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	92.5	95.5	87	90			
			5	Hwy 401 SB Off Ramp	Howard Ave		60	R	119.8	122.8	118	121			
			6	Howard Ave	E. of Talbot Rd		60	R	173	165	173	165			
J-K	R3_2	10-N	1	S.Service Rd (Talbot Rd)	Cousineau Dr	Howard	60	R	75	78	NA	NA	2.438	24	2.5
			2	N.Service Rd (Talbot Rd)	Cousineau Dr	Howard	60	R	59	62	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	123.5	126.5	118	121			
			4	Hwy 401 NB	3. Hwy 3/401 NB On Ramp	Todd/401 NB Off Ramp	100	R	106.5	109.5	101	104			
			5	Hwy 401 SB Off Ramp	Howard Ave		60	R	131.8	135.8	130	134			
			6	Howard Ave	E. of Talbot Rd		60	R	173	165	173	165			
K-L	R1	11-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	63	66	NA	NA	3.048	13	0
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	45	49	NA	NA			
			3	Hwy 401 SB	3. Howard/401 SB Off Ramp	Hwy 3/401 SB Off Ramp	100	R	173.5	176.5	168	171			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	154.5	158.5	149	153			
			5	Howard Ave	E. of Talbot Rd		60	R	131	134	131	134			
			6	401 NB Off Ramp	Hwy 3 merge/split		60	R	46.8	49.8	45	48			
			7	401 NB On Ramp	Hwy 3 merge/split		60	R	149.8	152.8	148	151			
K-L	R2	12-N	1	S.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	R	64	67	NA	NA	3.048	9	0
			2	N.Service Rd (Talbot Rd)	Howard Ave	Highway 3 split	60	A	29	32	NA	NA			
			3	Hwy 401 SB	2. Hwy 3/401 SB Off Ramp	Hwy 3/401 SB On Ramp	100	R	199.5	202.5	194	197			
			4	Hwy 401 NB	2. Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	100	R	182.5	185.5	177	180			
			5	401 SB Off Ramp	Hwy 3 merge/split		60	R	205.8	208.8	204	207			
			6	401 NB Off Ramp	Hwy 3 merge/split		60	R	127.8	130.8	126	129			
			7	401 NB On Ramp	Hwy 3 merge/split		60	R	64.8	67.8	63	66			
			8	401 SB On Ramp	Hwy 3 merge/split		60	R	275.8	278.8	274	277			
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	100	A	76	79	76	79	3.048	15	0
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	100	A	60	63	60	63			

Alternative 3			Road Segment				2015				2025				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier					
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck			% traffic split in Daytime (16hr)	Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)		
																					(m)	(m)	(m)	(m)	(m)	(m)	(m)			
Receptors on the South Side																														
GH	R1-A	1A-S	1	Spring Garden Rd	W. of Huron Church Rd			7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	R	31	17	31	17					
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		8	13841	5.61	52.14	82.55	18562	6.08	57.62	78.85	22034	6.32	60.58	77.67	100	A	238.5	241.5	233	236				
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		8	7336	5.47	49.81	77.29	9512	5.85	54.27	74.02	11315	6.13	57.42	72.74	100	A	255.5	258.5	250	253				
			4	401 NB On Ramp-25	EC Row Expressway IC					2180	4.21	22.49	78.07	2522	4.09	23.48	78.86	3019	3.65	22.43	78.26	60	A	339.8	342.8	338	341			
			5	401 SB Off Ramp-26	EC Row Expressway IC				5	13755	1.69	6.11	84.14	16124	1.75	7.14	84.35	19059	1.77	7.08	83.48	60	A	196.8	199.8	195	198			
			6	Malden Rd	Chappus	401 S .Ramp			18101	2.69	1.35	91.97	19385	2.60	1.30	91.85	20708	2.56	1.28	91.82	60	R	54	57	54	57				
			7	401 NB On Ramp-22	Ojibway Pkwy IC				0	1491	2.40	16.48	72.16	1685	2.51	18.55	71.06	1802	2.59	19.94	70.33	50	A	338.8	341.8	337	340			
			8	EC Row EB	At Malden Rd					29881	1.52	3.71	92.18	34264	1.56	4.25	92.21	38618	1.56	4.25	91.93	100	A	379	382	379	382			
9	EC Row WB	At Malden Rd					23319	1.48	2.75	91.68	29307	1.48	3.02	91.16	35432	1.48	3.28	90.73	100	A	398	401	398	401						
GH	R1	1-S	1	Spring Garden Rd	W. of Huron Church Rd			7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	R	31	17	31	17					
			2	Hwy 401 SB	7. Malden/401 SB Off Ramp	HC Rd/401 SB On Ramp		8	13841	5.61	52.14	82.55	18562	6.08	57.62	78.85	22034	6.32	60.58	77.67	100	A	277.5	280.5	272	275				
			3	Hwy 401 NB	6. HC Rd/401 NB On Ramp	Malden/401 NB On Ramp		8	7336	5.47	49.81	77.29	9512	5.85	54.27	74.02	11315	6.13	57.42	72.74	100	A	295.5	298.5	290	293				
			4	EC Row EB	At Malden Rd					29881	1.52	3.71	92.18	34264	1.56	4.25	92.21	38618	1.56	4.25	91.93	100	A	379	382	379	382			
			5	EC Row WB	At Malden Rd					23319	1.48	2.75	91.68	29307	1.48	3.02	91.16	35432	1.48	3.28	90.73	100	A	398	401	398	401			
GH	R2-A	2A-S	1	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp			22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	497.5	500.5	494	497				
			2	401 NB On Ramp-22	Ojibway Pkwy IC				0	1491	2.40	16.48	72.16	1685	2.51	18.55	71.06	1802	2.59	19.94	70.33	50	A	140.8	143.8	139	142			
			3	EC Row EB	At Malden Rd					29881	1.52	3.71	92.18	34264	1.56	4.25	92.21	38618	1.56	4.25	91.93	100	A	356	359	356	359			
			4	EC Row WB	At Malden Rd					23319	1.48	2.75	91.68	29307	1.48	3.02	91.16	35432	1.48	3.28	90.73	100	A	377	380	377	380			
			5	401 SB On Ramp	At Huron Church				0	11483	2.27	10.48	79.76	10853	2.19	10.04	83.18	11289	2.39	12.21	83.85	60	A	386.8	354.8	385	353			
			6	Spring Garden	W. of Huron Church				0	7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	A	32	35	32	35			
GH	R2	2-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp			11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	483	479	NA	NA				
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp			22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	496	492	NA	NA				
			3	EC Row EB	At Malden Rd					29881	1.52	3.71	92.18	34264	1.56	4.25	92.21	38618	1.56	4.25	91.93	100	A	321	312	321	312			
			4	EC Row WB	At Malden Rd					23319	1.48	2.75	91.68	29307	1.48	3.02	91.16	35432	1.48	3.28	90.73	100	A	340	332	340	332			
			5	401 SB On Ramp	At Huron Church					11483	2.27	10.48	79.76	10853	2.19	10.04	83.18	11289	2.39	12.21	83.85	60	A	395.8	389.8	394	388			
			6	401 NB Off Ramp	At Huron Church					9757	1.73	0.86	91.67	11320	1.78	0.89	90.70	12988	1.83	0.92	90.89	60	A	427.8	422.8	426	421			
			7	Spring Garden	Spring Garden	W. of Huron Church-			7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	A	32	21	32	21				



Alternative 3			Road Segment					2015				2025				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
GH	R3-A	3A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	306	303	NA	NA			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	322	319	NA	NA			
			3	EC Row EB	At Malden Rd			29881	1.52	3.71	92.18	34264	1.56	4.25	92.21	38618	1.56	4.25	91.93	100	A	425	428	425	428			
			4	EC Row WB	At Malden Rd			23319	1.48	2.75	91.68	29307	1.48	3.02	91.16	35432	1.48	3.28	90.73	100	A	448	451	448	451			
			5	Bethlehem (use Spring Garden traffic data)	Spring Garden	W. of Huron Church-		7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	A	37	17	37	17			
GH	R3	3-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	306	303	NA	NA			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	322	319	NA	NA			
			3	EC Row EB	At Malden Rd			29881	1.52	3.71	92.18	34264	1.56	4.25	92.21	38618	1.56	4.25	91.93	100	A	425	428	425	428			
			4	EC Row WB	At Malden Rd			23319	1.48	2.75	91.68	29307	1.48	3.02	91.16	35432	1.48	3.28	90.73	100	A	448	451	448	451			
			6	Bethlehem (use Spring Garden traffic data)	Spring Garden	W. of Huron Church-		7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	A	37	17	37	17			
GH	R4-A	4A-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	178.5	181.5	173	176			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	199.5	202.5	194	197			
			3	401 SB On Ramp	At Huron Church			11483	2.27	10.48	79.76	10853	2.19	10.04	83.18	11289	2.39	12.21	83.85	60	R	62.8	45.8	61	44			
			4	401 NB Off Ramp	At Huron Church			9757	1.73	0.86	91.67	11320	1.78	0.89	90.70	12988	1.83	0.92	90.89	60	R	117.8	102.8	116	101			
			5	Lamont Ave	Spring Garden	W. of Huron Church		33978	0.93	0.46	92.83	39395	0.94	0.47	92.57	41648	0.96	0.48	92.48	50	R	41	16	41	16			
GH	R4	4-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	178.5	181.5	173	176			
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	199.5	202.5	194	197			
			3	401 SB On Ramp	At Huron Church			11483	2.27	10.48	79.76	10853	2.19	10.04	83.18	11289	2.39	12.21	83.85	60	R	165.8	168.8	164	167 (0,90)			
			4	401 NB Off Ramp	At Huron Church			9757	1.73	0.86	91.67	11320	1.78	0.89	90.70	12988	1.83	0.92	90.89	60	R	195.8	198.8	194	197			
			5	Lamont Ave	Spring Garden	W. of Huron Church-		7802	0.00	0.00	93.90	8324	0.00	0.00	93.86	8503	0.00	0.00	94.11	50	R	41	16	41	16			

Alternative 3			Road Segment					2015				2025				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
G-H	R5	5-S	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	113.5	116.5	108	111	1.524	6	0
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	135.5	138.5	130	133			
			3	Hwy 401 SB On Ramp	At Huron Church		-10	11483	2.27	10.48	79.76	10853	2.19	10.04	83.18	11289	2.39	12.21	83.85	60	A	94.5	97.5	89	92			
			4	Hwy 401 NB Off Ramp	At Huron Church		-10	9757	1.73	0.86	91.67	11320	1.78	0.89	90.70	12988	1.83	0.92	90.89	60	A	167.5	170.5	162	165			
			5	Lambton/Grand Marias Rd	W.of Connecting Ramp			6109	0.96	0.48	93.13	6001	1.00	0.50	93.17	5997	1.02	0.51	93.03	50	R	30	18	30	18			
G-H	R6	6-S	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		11989	0.86	0.43	94.13	14320	0.78	0.39	93.24	15346	0.77	0.38	93.09	60	R	98.5	95.5	93	90	1.83	9	2
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		10760	0.93	0.46	90.00	12557	0.98	0.49	90.73	13439	1.01	0.50	90.65	60	R	118.5	115.5	113	110			
			3	Lambton/Grand Marias Rd	W.of Connecting Ramp			6109	0.96	0.48	93.13	6001	1.00	0.50	93.17	5997	1.02	0.51	93.03	50	R	61	64	61	64			
H-I	R1	7-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		12726	0.92	0.46	93.87	15081	0.82	0.41	93.04	16161	0.80	0.40	92.89	60	A	170.5	180.5	165	175	bungalow		
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		10912	1.03	0.51	90.20	12763	1.07	0.53	90.87	13680	1.09	0.55	90.75	60	A	192.5	201.5	187	196			
H-I	R2	8-S	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		12726	0.92	0.46	93.87	15081	0.82	0.41	93.04	16161	0.80	0.40	92.89	60	A	107.5	133.5	102	128			
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		10912	1.03	0.51	90.20	12763	1.07	0.53	90.87	13680	1.09	0.55	90.75	60	A	129.5	111.5	124	106			
			3	Todd Lane	W. of HC Road			23454	0.00	0.00	93.63	23174	0.00	0.00	93.70	24106	0.00	0.00	93.72	50	R	31	47	31	47			
H-I	R3	9-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11744	0.54	0.27	93.85	14453	0.48	0.24	93.11	15643	0.47	0.24	93.16	60	A	94.5	111.5	89	106			
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		10614	0.64	0.32	91.48	12281	0.67	0.33	92.07	12890	0.70	0.35	91.87	60	A	116.5	132.5	111	127			
			3	Todd Lane	W. of HC Road			23454	0.00	0.00	93.63	23174	0.00	0.00	93.70	24106	0.00	0.00	93.72	50	A	22	37	22	37			

Alternative 3			Road Segment					2015				2025				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Day	Night	Barrier Height (m)	Barrier to Receiver Distances (m)	Barrier base elevation (a berm) (m)	
																						(m)	(m)	(m)	(m)				
H-I	R4	10-S	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11744	0.54	0.27	93.85	14453	0.48	0.24	93.11	15643	0.47	0.24	93.16	60	A	243.5	240.5	238	235				
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		10614	0.64	0.32	91.48	12281	0.67	0.33	92.07	12890	0.70	0.35	91.87	60	A	263.5	260.5	258	255				
I-J	R1	11-S	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College		13604	0.37	0.19	92.92	14107	0.42	0.21	92.66	14895	0.49	0.25	92.50	60	A	174.5	171.5	169	166				
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College		6839	0.52	0.26	92.14	6530	0.78	0.39	93.14	7121	0.84	0.42	92.26	60	A	195.5	192.5	190	187				
			3	Hwy 401 SB Off Ramp	At St. Clair College			6455	0.81	2.19	83.11	6331	0.86	2.72	81.92	6552	0.89	3.26	81.50	60	A	134.5	132.5	129	127				
			4	Hwy 401 NB On Ramp	At St. Clair College			4021	0.56	0.28	87.45	4728	0.52	0.26	85.30	5077	0.53	0.26	87.38	60	A	211.5	208.5	206	203				
I-J	R2	12-S	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		7669	0.88	2.16	91.74	7704	0.90	2.56	91.38	8120	0.90	2.99	91.15	60	A	194.5	200.5	189	195				
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		14243	0.58	0.29	89.34	14778	0.58	0.29	89.46	15512	0.54	0.27	89.49	60	A	221.5	227.5	216	222				
			3	Hwy 401 SB On Ramp	At St. Clair College			3835	0.34	0.17	87.92	4424	0.38	0.19	86.88	4893	0.44	0.22	86.04	60	A	206.5	243.5	201	238				
			4	Hwy 401 NB Off Ramp	At St. Clair College			6260	0.44	0.22	83.00	6414	0.60	0.30	83.49	6745	0.70	0.35	83.68	60	A	230.5	237.5	225	232				
			5	Cousineau Dr	W.Talbot Rd		19056	0.14	0.07	93.34	20624	0.36	0.18	93.32	22565	0.35	0.18	93.30	50	A	33	21	33	21					
J-K	R1	13-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5582	1.39	3.43	90.52	5242	1.36	3.91	90.04	5360	1.33	4.41	89.97	60	R	57.5	60.5	54	57				
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		6432	0.98	0.49	91.48	7085	0.95	0.47	91.54	7625	0.88	0.44	91.51	60	R	79.5	82.5	76	79				
			3	Hwy 401 SB On Ramp	At St. Clair College			3835	0.34	0.17	87.92	4424	0.38	0.19	86.88	4893	0.44	0.22	86.04	60	R	22.5	25.5	17	20				
			4	Hwy 401 NB Off Ramp	At St. Clair College			6260	0.44	0.22	83.00	6414	0.60	0.30	83.49	6745	0.70	0.35	83.68	60	R	102.5	105.5	97	100				
			5	Cousineau Dr	W.Talbot Rd		19056	0.14	0.07	93.34	20624	0.36	0.18	93.32	22565	0.35	0.18	93.30	50	R	41	35	41	35					
J-K	R2	14-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5582	1.39	3.43	90.52	5242	1.36	3.91	90.04	5360	1.33	4.41	89.97	60	A	53.5	56.5	50	53				
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		6432	0.98	0.49	91.48	7085	0.95	0.47	91.54	7625	0.88	0.44	91.51	60	A	73.5	76.5	70	73				
J-K	R3	15-S	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5582	1.39	3.43	90.52	5242	1.36	3.91	90.04	5360	1.33	4.41	89.97	60	A	215	218	57	60	bungalow			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		6432	0.98	0.49	91.48	7085	0.95	0.47	91.54	7625	0.88	0.44	91.51	60	A	230	233	228	225				
			3	Howard Ave	W. of Hwy 401 SB On-Ramp			22214	1.47	0.73	93.31	25322	1.43	0.71	93.28	27527	1.45	0.72	93.29	60	A	54	57	54	57				
K-L	R1	16-S	1	S.Service Rd (Talbot Rd)	S. of Howard Ave			12505	1.34	0.67	92.22	13903	1.32	0.66	92.12	14939	1.36	0.68	92.17	60	R	246	227	NA	NA				
			2	N.Service Rd (Talbot Rd)	S. of Howard Ave			13491	1.38	0.69	93.25	14875	1.32	0.66	93.38	15866	1.36	0.68	93.31	60	R	263	244	NA	NA				
			3	Hwy 401 SB	St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp		22105	3.84	30.85	82.58	26452	4.21	35.16	82.61	30276	4.49	38.24	82.02	100	R	99.5	81.5	94	76				
			4	Hwy 401 NB	Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp		10106	4.59	37.40	80.91	12984	4.77	38.43	79.68	16139	5.02	40.89	78.22	100	R	117.5	100.5	112	95				
			5	401NB On Ramp	Hwy 3 Merge/Split			-4	9225	1.27	0.63	87.90	9408	1.25	0.63	87.90	9811	1.29	0.65	87.97	60	R	136.8	118.8	135	117			
			6	Howard	W. of Hwy 401 SB On-Ramp			22214	1.47	0.73	93.31	25322	1.43	0.71	93.28	27527	1.45	0.72	93.29	60	R	121	119	121	119				
			7	401 NB off Ramp	Hwy 3 Merge/Split			0	9808	1.59	4.42	86.74	11216	1.68	5.43	87.15	12186	1.78	6.60	87.08	60	R	252.8	233.8	251	232			
L-M	R1	17-S	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19936	3.39	23.59	83.03	24636	3.47	24.07	82.93	27604	3.66	25.68	82.36	100	A	122	125	122	125				
			2	Hwy 401 SB	1. Hwy 3/401 SB On Ramp	S. of Hwy 3 merge/split	0	21550	3.97	32.36	82.68	26971	4.16	34.51	82.28	30963	4.40	37.10	82.21	100	A	107	110	107	110				

Alternative 3			Road Segment					2015				2025				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier			
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)	
																							(m)	(m)	(m)	(m)	(m)	(m)	(m)
<b>Receptors on the North Side</b>																													
GH	R1-A	1A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	57.5	60.5	52	55	2.43	4	2	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	36.5	39.5	31	34				
			3	Labelle St	E. of HC Road			6585	0.00	0.00	91.29	6760	0.00	0.00	91.10	6594	0.00	0.00	91.03	50	A	71	79	71	79				
GH	R1	1-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	57.5	60.5	52	55	2.43	4	2	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	36.5	39.5	31	34				
			3	Labelle St	E. of HC Road			6585	0.00	0.00	91.29	6760	0.00	0.00	91.10	6594	0.00	0.00	91.03	50	A	71	79	71	79				
GH	R2-A	2A-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	64.5	67.5	59	62	2.43	5	2	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	43.5	46.5	38	41				
			3	Hwy 401 SB On Ramp	At Huron Church Rd			11483	2.27	10.48	79.76	10853	2.19	10.04	83.18	11289	2.39	12.21	83.85	60	R	76.5	79.5	71	74				
			4	Hwy 401 NB Off Ramp	At Huron Church Rd			9757	1.73	0.86	91.67	11320	1.78	0.89	90.70	12988	1.83	0.92	90.89	60	A	30.5	35.5	25	30				
GH	R2	2-N	1	S.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		11287	1.03	0.51	94.53	13261	0.99	0.49	93.51	13928	0.98	0.49	93.43	60	A	64.5	67.5	59	62	2.43	5	2	
			2	N.Service Rd (HC Rd)	Spring Gdn Rd/Labelle St	Lambton St/Grand Marais Rd Ramp		22690	0.88	0.44	91.99	26134	0.92	0.46	92.09	27720	0.95	0.47	92.00	60	A	43.5	46.5	38	41				
			3	401 NB Off Ramp	At Huron Church Rd			9757	1.73	0.86	91.67	11320	1.78	0.89	90.70	12988	1.83	0.92	90.89	60	A	118.8	115.8	117	114				
GH	R3	3-N	1	S.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		11989	0.86	0.43	94.13	14320	0.78	0.39	93.24	15346	0.77	0.38	93.09	60	R	72.5	91.5	67	86	1.52	8	0	
			2	N.Service Rd (HC Rd)	Lambton St/Grand Marais Rd Ramp	Pulford St		10760	0.93	0.46	90.00	12557	0.98	0.49	90.73	13439	1.01	0.50	90.65	60	R	51.5	71	46	65.5				
H-I	R1	4-N	1	S.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		12726	0.92	0.46	93.87	15081	0.82	0.41	93.04	16161	0.80	0.40	92.89	60	A	129.5	135.5	124	130				
			2	N.Service Rd (HC Rd)	Pulford St	Todd Ln/Cabana Rd		10912	1.03	0.51	90.20	12763	1.07	0.53	90.87	13680	1.09	0.55	90.75	60	A	108.5	113.5	103	108				
			3	Cabana Rd	E. of HC Road			18937	0.00	0.00	93.03	18586	0.00	0.00	93.02	20169	0.00	0.00	93.03	50	R	26	29	26	29				
H-I	R2	5-N	1	S.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		11744	0.54	0.27	93.85	14453	0.48	0.24	93.11	15643	0.47	0.24	93.16	60	R	86.5	103.5	81	98				
			2	N.Service Rd (HC Rd)	Todd Ln/Cabana Rd	Huron Church Line		10614	0.64	0.32	91.48	12281	0.67	0.33	92.07	12890	0.70	0.35	91.87	60	R	64.5	82.5	59	77				
			3	Cabana Rd	E. of HC Road			18937	0.00	0.00	93.03	18586	0.00	0.00	93.02	20169	0.00	0.00	93.03	50	R	36	23	36	23				
H-I	R3	6-N	1	S.Service Rd (Talbot)	Huron Church Line	St Clair College		13604	0.37	0.19	92.92	14107	0.42	0.21	92.66	14895	0.49	0.25	92.50	60	R	81.5	84.5	76	79				
			2	N.Service Rd (Talbot)	Huron Church Line	St Clair College		6839	0.52	0.26	92.14	6530	0.78	0.39	93.14	7121	0.84	0.42	92.26	60	R	61.5	64.5	56	59				
I-J	R1	7-N	1	S.Service Rd (Talbot)	St Clair College	Cousineau Dr		7669	0.88	2.16	91.74	7704	0.90	2.56	91.38	8120	0.90	2.99	91.15	60	A	206.5	209.5	201	204				
			2	N.Service Rd (Talbot)	St Clair College	Cousineau Dr		14243	0.58	0.29	89.34	14778	0.58	0.29	89.46	15512	0.54	0.27	89.49	60	A	185.5	188.5	180	183				
			3	Cousineau Dr	E. of Talbot Road			13667	0.00	0.00	92.31	13576	0.00	0.00	92.07	14479	0.00	0.00	92.07	50	A	166	162	166	162				

Alternative 3			Road Segment					2015				2025				2035				Speed Limit (km/h)	Intermediate surface Condition	Distances to the Middle of Roadway		Distances to the Edge of Roadway; except for the side roads		Existing Barrier		
Route Section	STAMSON ID	Map ID	Segment Number	Location	From	To	Hwy 401 Elevation (m)	2015 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2025 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)	2035 AADT Volume	% of Med truck	% of Heavy truck	% traffic split in Daytime (16hr)			Day	Night	Day	Night	Barrier Height	Barrier to Receiver Distances	Barrier base elevation (a berm)
																						(m)	(m)	(m)	(m)	(m)	(m)	(m)
J-K	R1	8-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5582	1.39	3.43	90.52	5242	1.36	3.91	90.04	5360	1.33	4.41	89.97	60	R	146.5	149.5	141	144			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		6432	0.98	0.49	91.48	7085	0.95	0.47	91.54	7625	0.88	0.44	91.51	60	R	125.5	128.5	120	123			
			3	Cousineau Dr	E. of Talbot Road			13667	0.00	0.00	92.31	13576	0.00	0.00	92.07	14479	0.00	0.00	92.07	50	R	15	18	15	18			
J-K	R2	9-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard Ave		5582	1.39	3.43	90.52	5242	1.36	3.91	90.04	5360	1.33	4.41	89.97	60	A	372.5	375.5	367	370			
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard Ave		6432	0.98	0.49	91.48	7085	0.95	0.47	91.54	7625	0.88	0.44	91.51	60	A	350.5	354.5	345	349			
J-K	R3	10-N	1	S.Service Rd (Talbot)	Cousineau Dr	Howard		5582	1.39	3.43	90.52	5242	1.36	3.91	90.04	5360	1.33	4.41	89.97	60	R	109.5	112.5	104	107	2.438	24	2.5
			2	N.Service Rd (Talbot)	Cousineau Dr	Howard		6432	0.98	0.49	91.48	7085	0.95	0.47	91.54	7625	0.88	0.44	91.51	60	R	75.5	79.5	70	74			
			3	Howard Ave	E. of Talbot Rd			17136	1.16	0.58	93.36	18441	1.20	0.60	93.32	20022	1.21	0.60	93.36	60	R	173	165	173	165			
K-L	R1	11-N	1	S.Service Rd (Talbot Rd)	S. of Howard Ave			12505	1.34	0.67	92.22	13903	1.32	0.66	92.12	14939	1.36	0.68	92.17	60	R	63	66	NA	NA	3.048	13	0
			2	N.Service Rd (Talbot Rd)	S. of Howard Ave			13491	1.38	0.69	93.25	14875	1.32	0.66	93.38	15866	1.36	0.68	93.31	60	R	45	49	NA	NA			
			3	Hwy 401 SB	St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	-4	22105	3.84	30.85	82.58	26452	4.21	35.16	82.61	30276	4.49	38.24	82.02	100	R	173.5	176.5	168	171			
			4	Hwy 401 NB	Hwy 3/401 NB On Ramp	St. Clair/401 NB Off Ramp	-4	19359	3.42	23.35	83.51	22414	3.68	25.88	82.50	25909	3.91	28.36	81.42	100	R	154.5	158.5	149	153			
			5	Howard Ave	E. of Talbot Rd			17136	1.16	0.58	93.36	18441	1.20	0.60	93.32	20022	1.21	0.60	93.36	60	R	131	134	131	134			
			6	401 NB Off Ramp	Hwy 3 merge/split		0	9808	1.59	4.42	86.74	11216	1.68	5.43	87.15	12186	1.78	6.60	87.08	60	R	46.8	49.8	45	48			
			7	401 NB On Ramp	Hwy 3 merge/split		-4	9225	1.27	0.63	87.90	9408	1.25	0.63	87.90	9811	1.29	0.65	87.97	60	R	149.8	152.8	148	151			
K-L	R2	12-N	1	S.Service Rd (Talbot Rd)	S. of Howard Ave			12505	1.34	0.67	92.22	13903	1.32	0.66	92.12	14939	1.36	0.68	92.17	60	R	64	67	NA	NA	3.048	9	0
			2	N.Service Rd (Talbot Rd)	S. of Howard Ave			13491	1.38	0.69	93.25	14875	1.32	0.66	93.38	15866	1.36	0.68	93.31	60	A	29	32	NA	NA			
			3	Hwy 401 SB	St Clair/401 SB On Ramp	Hwy 3/401 SB Off Ramp	0	22105	3.84	30.85	82.58	26452	4.21	35.16	82.61	30276	4.49	38.24	82.02	100	R	199.5	202.5	194	197			
			4	Hwy 401 NB	Hwy 3/ 401 NB Off Ramp	Hwy 3/401 NB On Ramp	0	10106	4.59	37.40	80.91	12984	4.77	38.43	79.68	16139	5.02	40.89	78.22	100	R	182.5	185.5	177	180			
			5	401 SB Off Ramp	Hwy 3 merge/split		0	9835	1.30	0.65	81.10	9929	1.22	0.61	80.78	10598	1.28	0.64	80.86	60	R	205.8	208.8	204	207			
			6	401 NB Off Ramp	Hwy 3 merge/split		6	9808	1.59	4.42	86.74	11216	1.68	5.43	87.15	12186	1.78	6.60	87.08	60	R	127.8	130.8	126	129			
			7	401 NB On Ramp	Hwy 3 merge/split		2	9225	1.27	0.63	87.90	9408	1.25	0.63	87.90	9811	1.29	0.65	87.97	60	R	64.8	67.8	63	66			
			8	401 SB On Ramp	Hwy 3 merge/split		0	9516	1.70	4.42	82.68	10588	1.72	5.43	81.81	11840	1.76	6.19	81.80	60	R	275.8	278.8	274	277			
L-M	R1	13-N	1	Hwy 401 NB	1. S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	21550	3.97	32.36	82.68	26971	4.16	34.51	82.28	30963	4.40	37.10	82.21	100	A	76	79	76	79	3.048	15	0
			2	Hwy 401 SB	S. of Hwy 3 merge/split	Hwy 3/ 401 NB Off Ramp	0	19936	3.39	23.59	83.03	24636	3.47	24.07	82.93	27604	3.66	25.68	82.36	100	A	60	63	60	63			