

<b>USH 41: USH 141 TO CTH B (BROWN AND OCONTO COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	SOUTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH				
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE		
MID-1 AM	86	0.0	OFF	86	0	0.00	0	66.2	66.2	66.2	
1-2 AM	53	0.0	OFF	53	0	0.00	0	66.3	66.3	66.3	
2-3 AM	80	0.0	OFF	80	0	0.00	0	66.3	66.3	66.3	
3-4 AM	99	0.0	OFF	99	0	0.00	0	66.2	66.2	66.2	
4-5 AM	295	0.0	OFF	295	0	0.00	0	65.8	65.8	65.8	
5-6 AM	781	0.0	OFF	781	0	0.00	0	65.0	65.0	65.0	
6-7 AM	1346	0.0	OFF	1346	0	0.00	0	63.9	63.9	63.9	
7-8 AM	1487	0.0	OFF	1487	0	0.00	0	63.6	63.6	63.6	
8-9 AM	1018	0.0	OFF	1018	0	0.00	0	64.5	64.5	64.5	
9-10 AM	963	0.0	1500	963	0	0.52	0	64.6	61.4	41.8	
10-11 AM	1016	0.0	1500	1016	0	0.52	0	64.5	61.2	41.6	
11AM-NOON	1053	0.0	1500	1053	0	0.52	0	64.4	61.2	41.5	
NOON-1PM	1036	0.0	1500	1036	0	0.52	0	64.5	61.2	41.5	
1-2 PM	1054	0.0	1500	1054	0	0.52	0	64.4	61.2	41.5	
2-3 PM	1078	0.0	1500	1078	0	0.53	0	64.4	61.1	41.4	
3-4 PM	1034	0.0	1500	1034	0	0.52	0	64.5	61.2	41.5	
4-5 PM	1041	0.0	OFF	1041	0	0.00	0	64.5	64.5	64.5	
5-6 PM	1032	0.0	OFF	1032	0	0.00	0	64.5	64.5	64.5	
6-7 PM	804	0.0	OFF	804	0	0.00	0	64.9	64.9	64.9	
7-8 PM	538	0.0	OFF	538	0	0.00	0	65.4	65.4	65.4	
8-9 PM	429	0.0	OFF	429	0	0.00	0	65.6	65.6	65.6	
9-10 PM	331	0.0	OFF	331	0	0.00	0	65.8	65.8	65.8	
10-11 PM	248	0.0	OFF	248	0	0.00	0	66.0	66.0	66.0	
11PM-MID	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1	

**"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)**

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

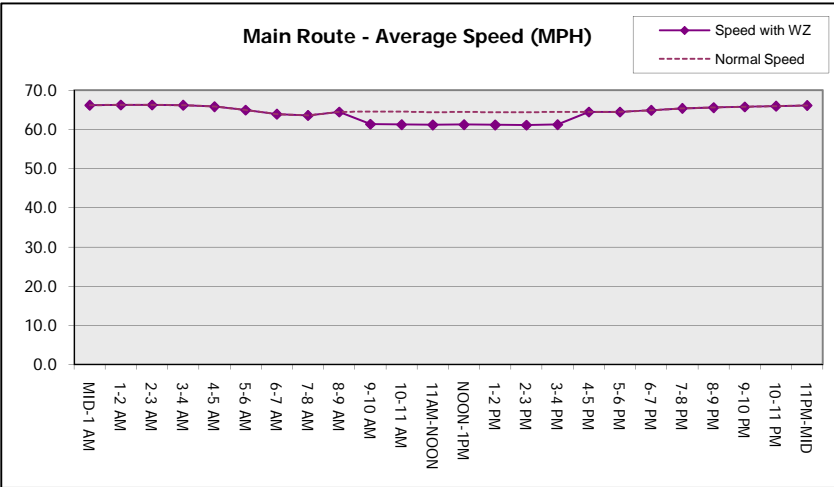
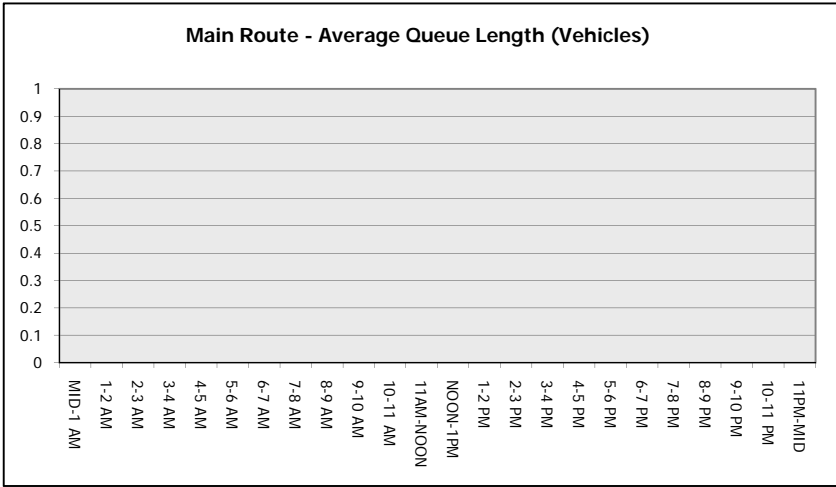
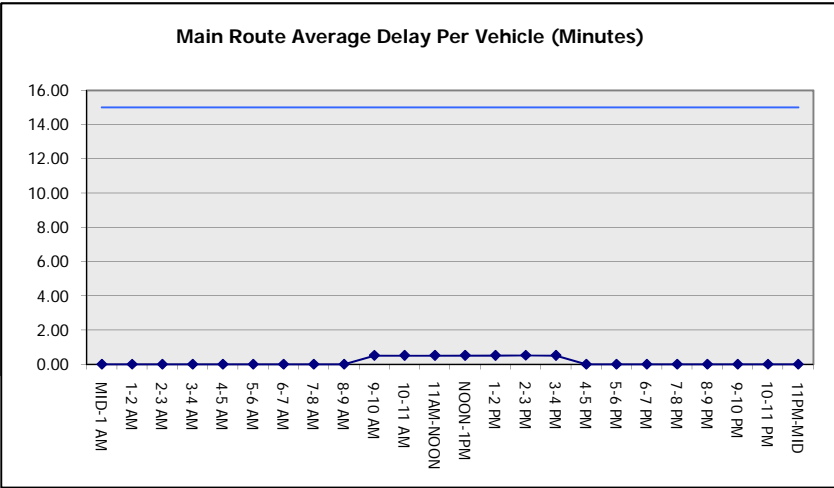
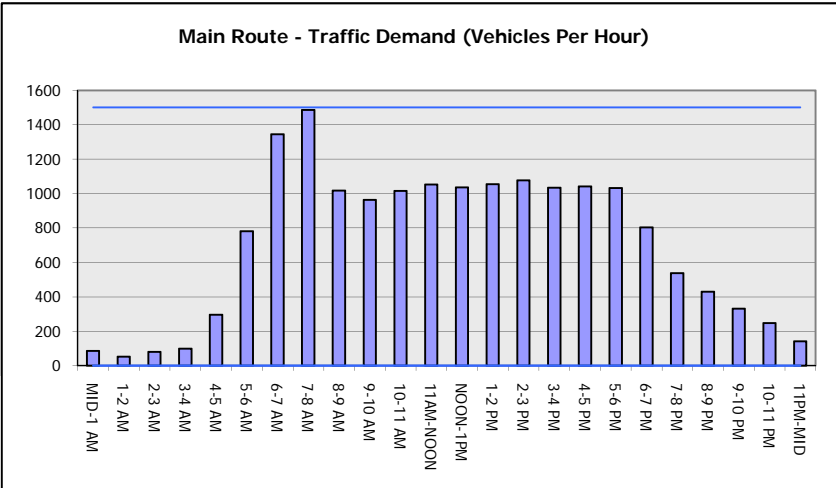
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0287
MAIN ROUTE WITH WORKS	0.0283
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$639
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>USH 41: USH 141 TO CTH B (BROWN AND OCONTO COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR						AVERAGE SPEEDS IN MPH			
	MAIN ROUTE		SITE CAPA CITY	FLOW		AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE
	DEMAND FLOW	PCT HEAVY		MAIN ROUTE	'DIVER TED'			WITHOUT WORK ZONE	WITH WORK ZONE	
MID-1 AM	157	0.0	OFF	157	0	0.00	0	66.1	66.1	66.1
1-2 AM	113	0.0	OFF	113	0	0.00	0	66.2	66.2	66.2
2-3 AM	96	0.0	OFF	96	0	0.00	0	66.2	66.2	66.2
3-4 AM	94	0.0	OFF	94	0	0.00	0	66.2	66.2	66.2
4-5 AM	111	0.0	OFF	111	0	0.00	0	66.2	66.2	66.2
5-6 AM	263	0.0	OFF	263	0	0.00	0	65.9	65.9	65.9
6-7 AM	509	0.0	OFF	509	0	0.00	0	65.5	65.5	65.5
7-8 AM	599	0.0	OFF	599	0	0.00	0	65.3	65.3	65.3
8-9 AM	691	0.0	OFF	691	0	0.00	0	65.1	65.1	65.1
9-10 AM	828	0.0	1500	828	0	0.50	0	64.8	61.7	42.3
10-11 AM	986	0.0	1500	986	0	0.52	0	64.5	61.4	41.7
11AM-NOON	1103	0.0	1500	1103	0	0.53	0	64.3	61.0	41.3
NOON-1PM	1238	0.0	1500	1238	0	0.69	0	64.1	59.9	37.3
1-2 PM	1447	0.0	1499	1447	0	0.96	0	63.7	58.1	31.9
2-3 PM	1620	0.0	1499	1620	0	2.52	43	63.3	50.7	30.8
3-4 PM	1971	0.0	1500	1750	221	11.61+	302	62.7	29.2	30.8
4-5 PM	2283	0.0	OFF	2283	0	1.08	39	62.2	56.2	56.2
5-6 PM	2133	0.0	OFF	2133	0	0.00	0	62.4	62.4	62.4
6-7 PM	1649	0.0	OFF	1649	0	0.00	0	63.3	63.3	63.3
7-8 PM	1184	0.0	OFF	1184	0	0.00	0	64.1	64.1	64.1
8-9 PM	941	0.0	OFF	941	0	0.00	0	64.6	64.6	64.6
9-10 PM	743	0.0	OFF	743	0	0.00	0	65.0	65.0	65.0
10-11 PM	558	0.0	OFF	558	0	0.00	0	65.3	65.3	65.3
11PM-MID	369	0.0	OFF	369	0	0.00	0	65.7	65.7	65.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

*----- SITE ACCIDENT DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0366
MAIN ROUTE WITH WORKS	0.0356
'DIVERSION'	0.0009

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,618
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

