

USH 41: USH 141 TO CTH B (BROWN AND OCONTO COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

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	1500	86	0	0.43	0	66.2	63.4	45.1
1-2 AM	53	0.0	1500	53	0	0.43	0	66.3	63.5	45.3
2-3 AM	80	0.0	1500	80	0	0.43	0	66.3	63.4	45.1
3-4 AM	99	0.0	1500	99	0	0.43	0	66.2	63.3	45.1
4-5 AM	295	0.0	1500	295	0	0.45	0	65.8	62.9	44.3
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	OFF	963	0	0.00	0	64.6	64.6	64.6
10-11 AM	1016	0.0	OFF	1016	0	0.00	0	64.5	64.5	64.5
11AM-NOON	1053	0.0	OFF	1053	0	0.00	0	64.4	64.4	64.4
NOON-1PM	1036	0.0	OFF	1036	0	0.00	0	64.5	64.5	64.5
1-2 PM	1054	0.0	OFF	1054	0	0.00	0	64.4	64.4	64.4
2-3 PM	1078	0.0	OFF	1078	0	0.00	0	64.4	64.4	64.4
3-4 PM	1034	0.0	OFF	1034	0	0.00	0	64.5	64.5	64.5
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	1500	538	0	0.47	0	65.4	62.3	43.3
8-9 PM	429	0.0	1500	429	0	0.46	0	65.6	62.6	43.8
9-10 PM	331	0.0	1500	331	0	0.45	0	65.8	62.8	44.2
10-11 PM	248	0.0	1500	248	0	0.45	0	66.0	63.0	44.5
11PM-MID	141	0.0	1500	141	0	0.44	0	66.1	63.3	44.9

"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

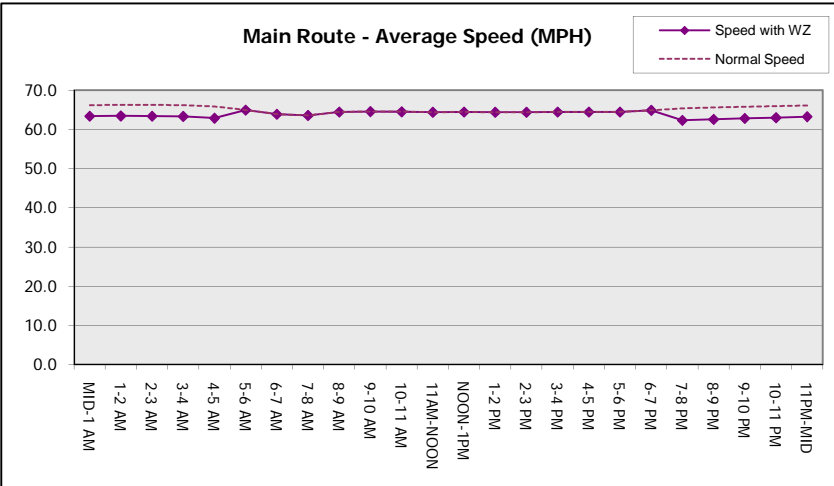
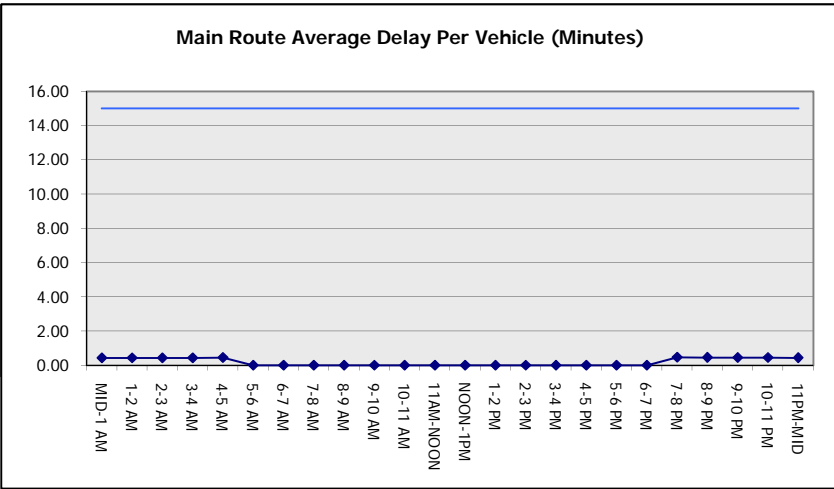
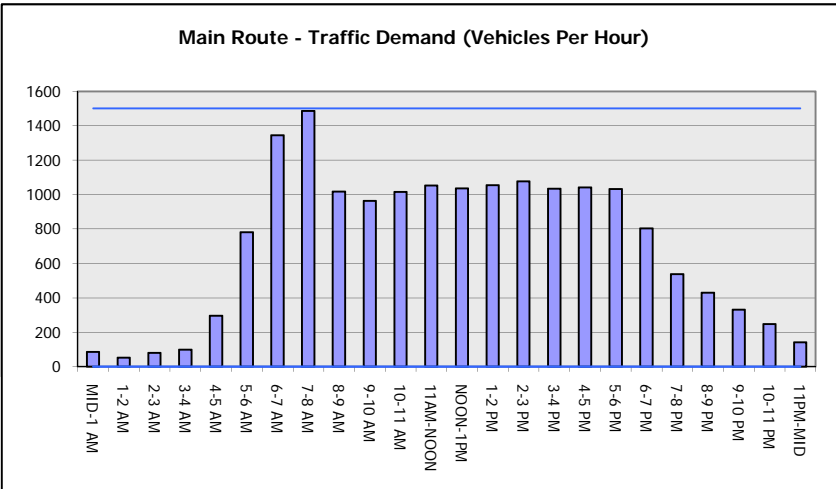
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0287
MAIN ROUTE WITH WORKS	0.0286
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$225
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

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	1500	157	0	0.44	0	66.1	63.2	44.8
1-2 AM	113	0.0	1500	113	0	0.43	0	66.2	63.3	45.0
2-3 AM	96	0.0	1500	96	0	0.43	0	66.2	63.3	45.1
3-4 AM	94	0.0	1500	94	0	0.43	0	66.2	63.3	45.1
4-5 AM	111	0.0	1500	111	0	0.43	0	66.2	63.3	45.0
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	OFF	828	0	0.00	0	64.8	64.8	64.8
10-11 AM	986	0.0	OFF	986	0	0.00	0	64.5	64.5	64.5
11AM-NOON	1103	0.0	OFF	1103	0	0.00	0	64.3	64.3	64.3
NOON-1PM	1238	0.0	OFF	1238	0	0.00	0	64.1	64.1	64.1
1-2 PM	1447	0.0	OFF	1447	0	0.00	0	63.7	63.7	63.7
2-3 PM	1620	0.0	OFF	1620	0	0.00	0	63.3	63.3	63.3
3-4 PM	1971	0.0	OFF	1971	0	0.00	0	62.7	62.7	62.7
4-5 PM	2283	0.0	OFF	2283	0	0.00	0	62.2	62.2	62.2
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	1500	1184	0	0.62	0	64.1	60.4	38.9
8-9 PM	941	0.0	1500	941	0	0.51	0	64.6	61.4	41.9
9-10 PM	743	0.0	1500	743	0	0.49	0	65.0	61.9	42.6
10-11 PM	558	0.0	1500	558	0	0.48	0	65.3	62.3	43.3
11PM-MID	369	0.0	1500	369	0	0.46	0	65.7	62.7	44.0

"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	0.0366
MAIN ROUTE WITH WORKS	0.0363
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$488
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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