

USH 41: USH 141 TO CTH B (BROWN AND OCONTO COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	44	0.0	OFF	44	0	0.00	0	66.3	66.3	66.3	
1-2 AM	40	0.0	OFF	40	0	0.00	0	66.3	66.3	66.3	
2-3 AM	74	0.0	OFF	74	0	0.00	0	66.3	66.3	66.3	
3-4 AM	89	0.0	OFF	89	0	0.00	0	66.2	66.2	66.2	
4-5 AM	285	0.0	OFF	285	0	0.00	0	65.8	65.8	65.8	
5-6 AM	785	0.0	OFF	785	0	0.00	0	64.9	64.9	64.9	
6-7 AM	1496	0.0	OFF	1496	0	0.00	0	63.6	63.6	63.6	
7-8 AM	1659	0.0	OFF	1659	0	0.00	0	63.3	63.3	63.3	
8-9 AM	1100	0.0	OFF	1100	0	0.00	0	64.3	64.3	64.3	
9-10 AM	931	0.0	1500	931	0	0.51	0	64.6	61.4	41.9	
10-11 AM	881	0.0	1500	881	0	0.51	0	64.8	61.5	42.1	
11AM-NOON	838	0.0	1500	838	0	0.50	0	64.8	61.7	42.2	
NOON-1PM	853	0.0	1500	853	0	0.50	0	64.8	61.6	42.2	
1-2 PM	937	0.0	1500	937	0	0.51	0	64.6	61.4	41.9	
2-3 PM	904	0.0	1500	904	0	0.51	0	64.7	61.5	42.0	
3-4 PM	951	0.0	1500	951	0	0.51	0	64.6	61.4	41.9	
4-5 PM	1084	0.0	OFF	1084	0	0.00	0	64.3	64.3	64.3	
5-6 PM	1045	0.0	OFF	1045	0	0.00	0	64.5	64.5	64.5	
6-7 PM	750	0.0	OFF	750	0	0.00	0	65.0	65.0	65.0	
7-8 PM	535	0.0	OFF	535	0	0.00	0	65.4	65.4	65.4	
8-9 PM	359	0.0	OFF	359	0	0.00	0	65.7	65.7	65.7	
9-10 PM	299	0.0	OFF	299	0	0.00	0	65.8	65.8	65.8	
10-11 PM	229	0.0	OFF	229	0	0.00	0	66.0	66.0	66.0	
11PM-MID	130	0.0	OFF	130	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

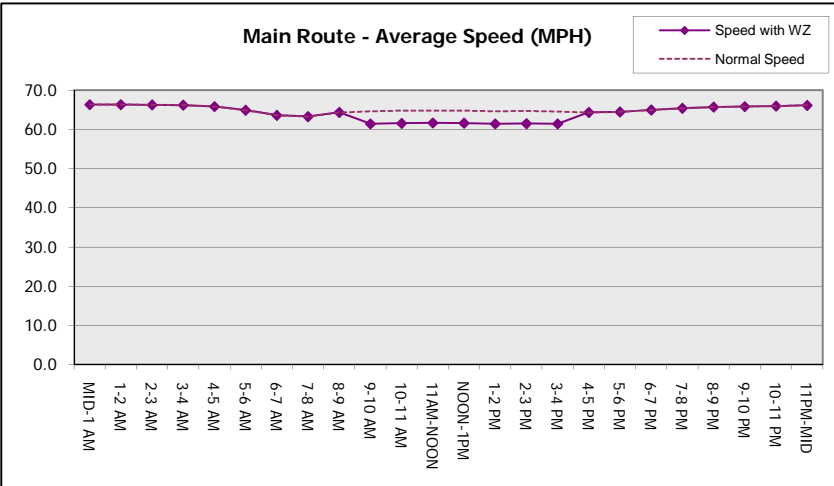
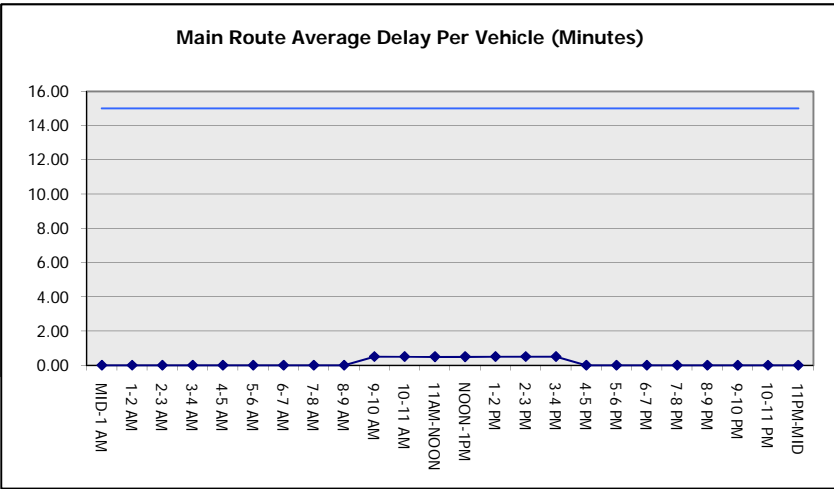
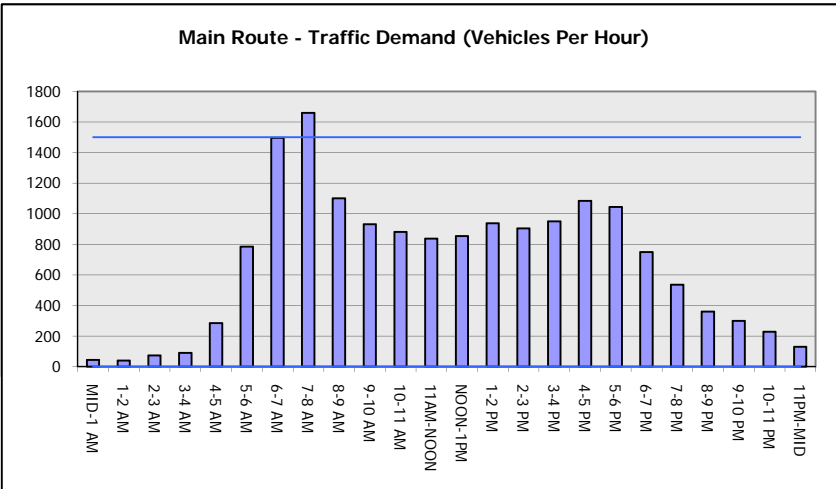
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0275
MAIN ROUTE WITH WORKS	0.0271
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$456
CONGESTED HOURS PER DAY*	0

*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	122	0.0	OFF	122	0	0.00	0	66.1	66.1	66.1
1-2 AM	91	0.0	OFF	91	0	0.00	0	66.2	66.2	66.2
2-3 AM	76	0.0	OFF	76	0	0.00	0	66.3	66.3	66.3
3-4 AM	87	0.0	OFF	87	0	0.00	0	66.2	66.2	66.2
4-5 AM	139	0.0	OFF	139	0	0.00	0	66.1	66.1	66.1
5-6 AM	210	0.0	OFF	210	0	0.00	0	66.0	66.0	66.0
6-7 AM	514	0.0	OFF	514	0	0.00	0	65.5	65.5	65.5
7-8 AM	614	0.0	OFF	614	0	0.00	0	65.3	65.3	65.3
8-9 AM	635	0.0	OFF	635	0	0.00	0	65.2	65.2	65.2
9-10 AM	686	0.0	1500	686	0	0.49	0	65.1	62.0	42.8
10-11 AM	830	0.0	1500	830	0	0.50	0	64.8	61.7	42.3
11AM-NOON	963	0.0	1500	963	0	0.52	0	64.6	61.4	41.8
NOON-1PM	1115	0.0	1500	1115	0	0.53	0	64.3	61.0	41.3
1-2 PM	1295	0.0	1499	1295	0	0.76	0	64.0	59.4	35.6
2-3 PM	1476	0.0	1499	1476	0	1.16	5	63.7	57.0	31.8
3-4 PM	1841	0.0	1500	1841	0	6.61	169	63.0	38.1	30.8
4-5 PM	2222	0.0	OFF	2222	0	0.93	37	62.2	57.0	57.0
5-6 PM	2069	0.0	OFF	2069	0	0.00	0	62.5	62.5	62.5
6-7 PM	1534	0.0	OFF	1534	0	0.00	0	63.5	63.5	63.5
7-8 PM	1022	0.0	OFF	1022	0	0.00	0	64.5	64.5	64.5
8-9 PM	838	0.0	OFF	838	0	0.00	0	64.8	64.8	64.8
9-10 PM	656	0.0	OFF	656	0	0.00	0	65.1	65.1	65.1
10-11 PM	476	0.0	OFF	476	0	0.00	0	65.5	65.5	65.5
11PM-MID	357	0.0	OFF	357	0	0.00	0	65.7	65.7	65.7

"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	0.0335
MAIN ROUTE WITH WORKS	0.0330
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,679
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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