

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	197	0.0	1500	197	0	0.50	0	70.2	53.1	44.7	
1-2 AM	130	0.0	1500	130	0	0.49	0	70.2	53.3	45.0	
2-3 AM	130	0.0	1500	130	0	0.49	0	70.2	53.3	45.0	
3-4 AM	149	0.0	1500	149	0	0.49	0	70.2	53.2	44.9	
4-5 AM	321	0.0	1500	321	0	0.51	0	70.2	52.7	44.2	
5-6 AM	973	0.0	OFF	973	0	0.00	0	69.6	69.6	69.6	
6-7 AM	1855	0.0	OFF	1855	0	0.00	0	68.4	68.4	68.4	
7-8 AM	2776	0.0	OFF	2776	0	0.00	0	67.3	67.3	67.3	
8-9 AM	1859	0.0	OFF	1859	0	0.00	0	68.4	68.4	68.4	
9-10 AM	1476	0.0	OFF	1476	0	0.00	0	68.9	68.9	68.9	
10-11 AM	1518	0.0	OFF	1518	0	0.00	0	68.9	68.9	68.9	
11AM-NOON	1682	0.0	OFF	1682	0	0.00	0	68.6	68.6	68.6	
NOON-1PM	1836	0.0	OFF	1836	0	0.00	0	68.4	68.4	68.4	
1-2 PM	2027	0.0	OFF	2027	0	0.00	0	68.2	68.2	68.2	
2-3 PM	2191	0.0	OFF	2191	0	0.00	0	68.0	68.0	68.0	
3-4 PM	2308	0.0	OFF	2308	0	0.00	0	67.9	67.9	67.9	
4-5 PM	2699	0.0	OFF	2699	0	0.00	0	67.4	67.4	67.4	
5-6 PM	2513	0.0	OFF	2513	0	0.00	0	67.6	67.6	67.6	
6-7 PM	1607	0.0	OFF	1607	0	0.00	0	68.7	68.7	68.7	
7-8 PM	1216	0.0	1500	1216	0	0.73	0	69.2	47.2	37.9	
8-9 PM	1131	0.0	1500	1131	0	0.62	0	69.3	49.7	40.8	
9-10 PM	969	0.0	1500	969	0	0.58	0	69.6	50.5	41.8	
10-11 PM	630	0.0	1500	630	0	0.55	0	69.9	51.7	43.0	
11PM-MID	328	0.0	1500	328	0	0.51	0	70.2	52.7	44.2	

"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

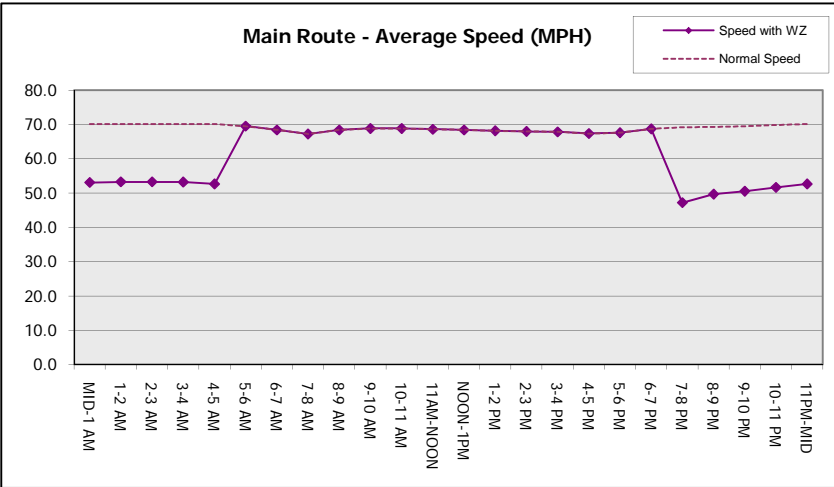
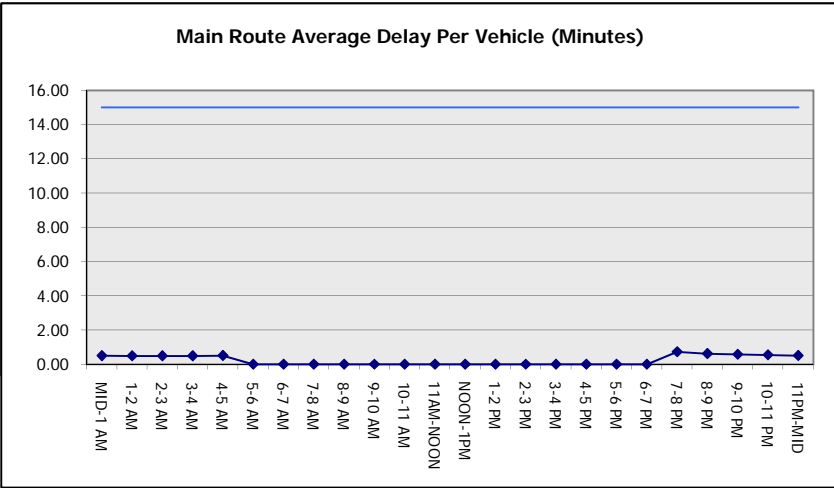
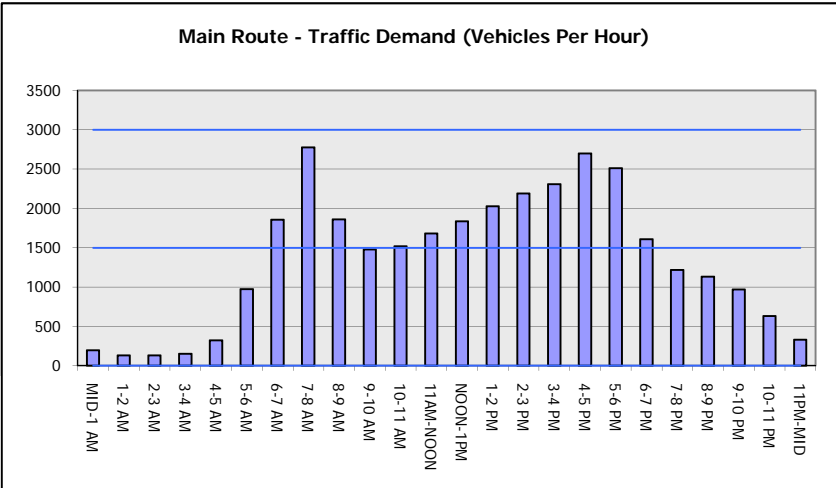
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0090
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$647
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	190	0.0	1500	190	0	0.50	0	70.2	53.1	44.7
1-2 AM	132	0.0	1500	132	0	0.49	0	70.2	53.3	45.0
2-3 AM	113	0.0	1500	113	0	0.49	0	70.2	53.3	45.0
3-4 AM	118	0.0	1500	118	0	0.49	0	70.2	53.3	45.0
4-5 AM	256	0.0	1500	256	0	0.50	0	70.2	52.8	44.5
5-6 AM	742	0.0	OFF	742	0	0.00	0	69.8	69.8	69.8
6-7 AM	1481	0.0	OFF	1481	0	0.00	0	68.9	68.9	68.9
7-8 AM	2395	0.0	OFF	2395	0	0.00	0	67.8	67.8	67.8
8-9 AM	1889	0.0	OFF	1889	0	0.00	0	68.4	68.4	68.4
9-10 AM	1631	0.0	OFF	1631	0	0.00	0	68.7	68.7	68.7
10-11 AM	1684	0.0	OFF	1684	0	0.00	0	68.6	68.6	68.6
11AM-NOON	1814	0.0	OFF	1814	0	0.00	0	68.5	68.5	68.5
NOON-1PM	1838	0.0	OFF	1838	0	0.00	0	68.4	68.4	68.4
1-2 PM	1851	0.0	OFF	1851	0	0.00	0	68.4	68.4	68.4
2-3 PM	2142	0.0	OFF	2142	0	0.00	0	68.1	68.1	68.1
3-4 PM	2642	0.0	OFF	2642	0	0.00	0	67.4	67.4	67.4
4-5 PM	3112	0.0	OFF	3112	0	0.00	0	66.9	66.9	66.9
5-6 PM	2691	0.0	OFF	2691	0	0.00	0	67.4	67.4	67.4
6-7 PM	1725	0.0	OFF	1725	0	0.00	0	68.6	68.6	68.6
7-8 PM	1120	0.0	1500	1120	0	0.60	0	69.4	50.0	41.2
8-9 PM	921	0.0	1500	921	0	0.58	0	69.6	50.7	42.0
9-10 PM	721	0.0	1500	721	0	0.56	0	69.9	51.4	42.7
10-11 PM	572	0.0	1500	572	0	0.54	0	70.0	51.9	43.2
11PM-MID	358	0.0	1500	358	0	0.52	0	70.2	52.5	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	0.0092
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$519
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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