

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) NIGHTTIME 2 LANE 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	327	0.0	1500	327	0	0.51	0	70.2	52.7	44.2
1-2 AM	189	0.0	1500	189	0	0.50	0	70.2	53.1	44.7
2-3 AM	184	0.0	1500	184	0	0.49	0	70.2	53.1	44.8
3-4 AM	178	0.0	1500	178	0	0.49	0	70.2	53.2	44.8
4-5 AM	321	0.0	1500	321	0	0.51	0	70.2	52.7	44.2
5-6 AM	897	0.0	OFF	897	0	0.00	0	69.6	69.6	69.6
6-7 AM	1625	0.0	OFF	1625	0	0.00	0	68.7	68.7	68.7
7-8 AM	2364	0.0	OFF	2364	0	0.00	0	67.8	67.8	67.8
8-9 AM	1791	0.0	OFF	1791	0	0.00	0	68.5	68.5	68.5
9-10 AM	1709	0.0	OFF	1709	0	0.00	0	68.6	68.6	68.6
10-11 AM	1935	0.0	OFF	1935	0	0.00	0	68.3	68.3	68.3
11AM-NOON	2235	0.0	OFF	2235	0	0.00	0	67.9	67.9	67.9
NOON-1PM	2443	0.0	OFF	2443	0	0.00	0	67.7	67.7	67.7
1-2 PM	2780	0.0	OFF	2780	0	0.00	0	67.3	67.3	67.3
2-3 PM	2842	0.0	OFF	2842	0	0.00	0	67.2	67.2	67.2
3-4 PM	2928	0.0	OFF	2928	0	0.00	0	67.1	67.1	67.1
4-5 PM	3143	0.0	OFF	3143	0	0.00	0	66.8	66.8	66.8
5-6 PM	2787	0.0	OFF	2787	0	0.00	0	67.3	67.3	67.3
6-7 PM	2016	0.0	OFF	2016	0	0.00	0	68.2	68.2	68.2
7-8 PM	1496	0.0	1499	1496	0	1.68	16	68.9	33.2	31.3
8-9 PM	1422	0.0	1500	1422	0	1.00	0	69.0	42.2	32.5
9-10 PM	1229	0.0	1500	1229	0	0.74	0	69.2	46.9	37.6
10-11 PM	858	0.0	1500	858	0	0.57	0	69.7	50.9	42.2
11PM-MID	525	0.0	1500	525	0	0.54	0	70.1	52.0	43.4

"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

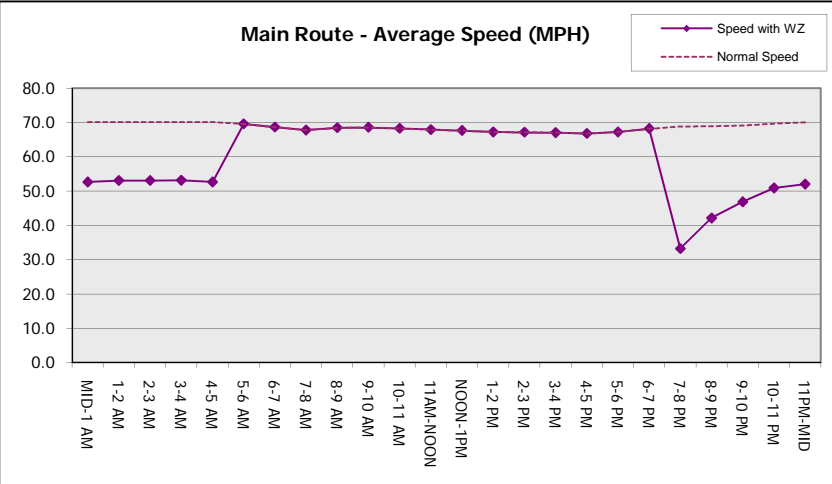
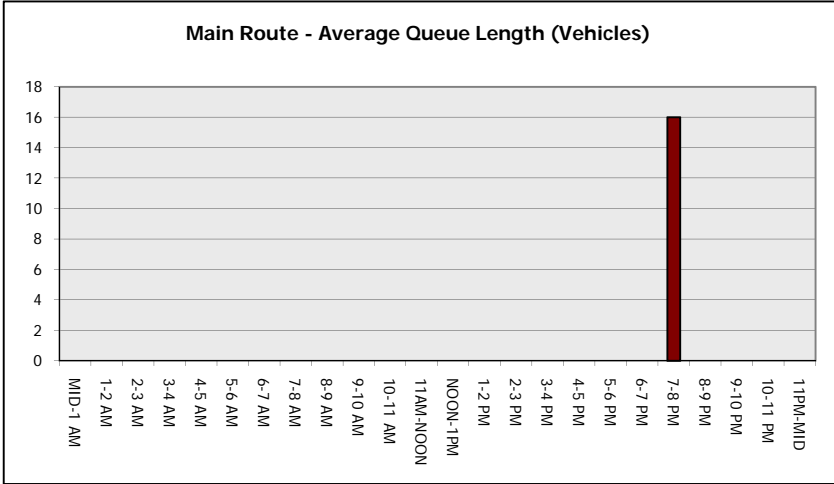
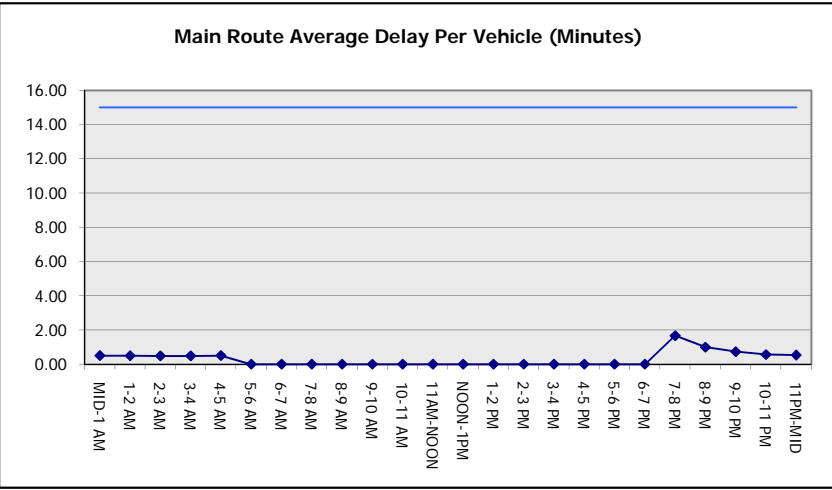
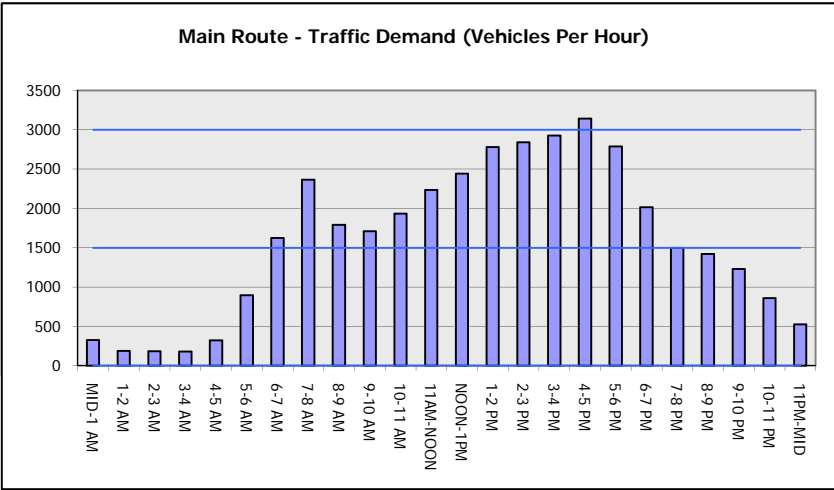
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0110
MAIN ROUTE WITH WORKS	0.0105
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,547
CONGESTED HOURS PER DAY*	0

*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	267	0.0	1500	267	0	0.50	0	70.2	52.8	44.4
1-2 AM	191	0.0	1500	191	0	0.50	0	70.2	53.1	44.7
2-3 AM	169	0.0	1500	169	0	0.49	0	70.2	53.2	44.8
3-4 AM	170	0.0	1500	170	0	0.49	0	70.2	53.2	44.8
4-5 AM	383	0.0	1500	383	0	0.52	0	70.2	52.5	44.0
5-6 AM	728	0.0	OFF	728	0	0.00	0	69.8	69.8	69.8
6-7 AM	1457	0.0	OFF	1457	0	0.00	0	68.9	68.9	68.9
7-8 AM	2364	0.0	OFF	2364	0	0.00	0	67.8	67.8	67.8
8-9 AM	1967	0.0	OFF	1967	0	0.00	0	68.3	68.3	68.3
9-10 AM	1949	0.0	OFF	1949	0	0.00	0	68.3	68.3	68.3
10-11 AM	2263	0.0	OFF	2263	0	0.00	0	67.9	67.9	67.9
11AM-NOON	2419	0.0	OFF	2419	0	0.00	0	67.8	67.8	67.8
NOON-1PM	2566	0.0	OFF	2566	0	0.00	0	67.6	67.6	67.6
1-2 PM	2608	0.0	OFF	2608	0	0.00	0	67.5	67.5	67.5
2-3 PM	2835	0.0	OFF	2835	0	0.00	0	67.2	67.2	67.2
3-4 PM	3012	0.0	OFF	3012	0	0.00	0	67.0	67.0	67.0
4-5 PM	3279	0.0	OFF	3279	0	0.00	0	66.6	66.6	66.6
5-6 PM	2887	0.0	OFF	2887	0	0.00	0	67.1	67.1	67.1
6-7 PM	2359	0.0	OFF	2359	0	0.00	0	67.8	67.8	67.8
7-8 PM	1783	0.0	1499	1783	0	7.11	176	68.5	12.8	30.8
8-9 PM	1236	0.0	1499	1236	0	6.74	176	69.2	13.4	33.2
9-10 PM	974	0.0	1500	974	0	0.60	0	69.6	50.2	41.8
10-11 PM	785	0.0	1500	785	0	0.56	0	69.7	51.2	42.4
11PM-MID	534	0.0	1500	534	0	0.54	0	70.0	52.0	43.3

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0112
MAIN ROUTE WITH WORKS	0.0108
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,701
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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