

**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

SATURDAY 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	334	0.0	1500	334	0	0.51	0	70.2	52.7	44.2	
1-2 AM	220	0.0	1500	220	0	0.50	0	70.2	53.0	44.6	
2-3 AM	204	0.0	1500	204	0	0.50	0	70.2	53.0	44.6	
3-4 AM	146	0.0	1500	146	0	0.49	0	70.2	53.2	44.9	
4-5 AM	200	0.0	1500	200	0	0.50	0	70.2	53.0	44.7	
5-6 AM	336	0.0	1500	336	0	0.51	0	70.2	52.6	44.2	
6-7 AM	517	0.0	1500	517	0	0.53	0	70.1	52.0	43.5	
7-8 AM	751	0.0	1500	751	0	0.56	0	69.8	51.2	42.5	
8-9 AM	1085	0.0	OFF	1085	0	0.00	0	69.4	69.4	69.4	
9-10 AM	1399	0.0	OFF	1399	0	0.00	0	69.0	69.0	69.0	
10-11 AM	1724	0.0	OFF	1724	0	0.00	0	68.6	68.6	68.6	
11AM-NOON	1917	0.0	OFF	1917	0	0.00	0	68.4	68.4	68.4	
NOON-1PM	2007	0.0	OFF	2007	0	0.00	0	68.2	68.2	68.2	
1-2 PM	2023	0.0	OFF	2023	0	0.00	0	68.2	68.2	68.2	
2-3 PM	2008	0.0	OFF	2008	0	0.00	0	68.2	68.2	68.2	
3-4 PM	1988	0.0	OFF	1988	0	0.00	0	68.2	68.2	68.2	
4-5 PM	1954	0.0	OFF	1954	0	0.00	0	68.3	68.3	68.3	
5-6 PM	1778	0.0	OFF	1778	0	0.00	0	68.5	68.5	68.5	
6-7 PM	1452	0.0	1499	1452	0	1.10	2	68.9	40.6	32.0	
7-8 PM	1282	0.0	1500	1282	0	0.81	0	69.1	45.5	36.0	
8-9 PM	1197	0.0	1500	1197	0	0.70	0	69.2	47.8	38.6	
9-10 PM	1175	0.0	1500	1175	0	0.67	0	69.3	48.4	39.3	
10-11 PM	1246	0.0	1500	1246	0	0.77	0	69.2	46.4	37.1	
11PM-MID	1220	0.0	1500	1220	0	0.73	0	69.2	47.1	37.8	

"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

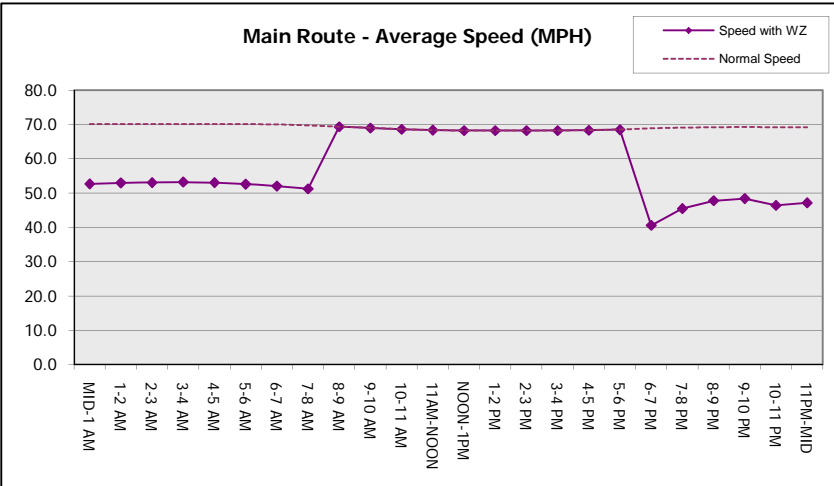
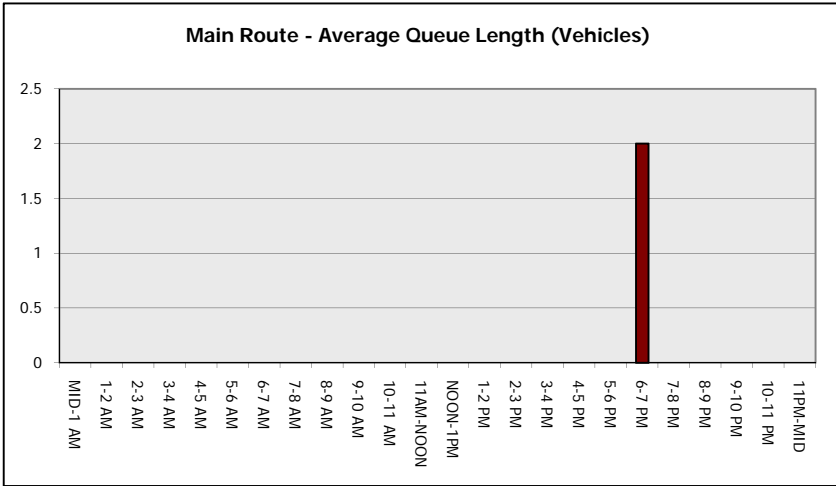
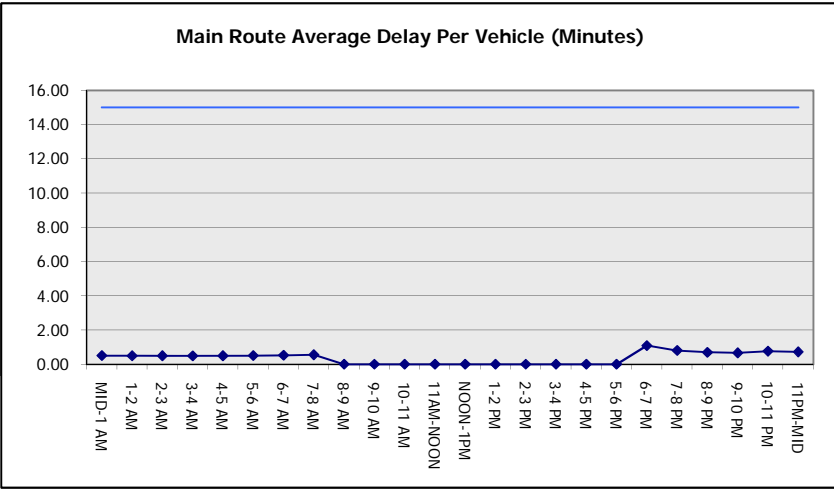
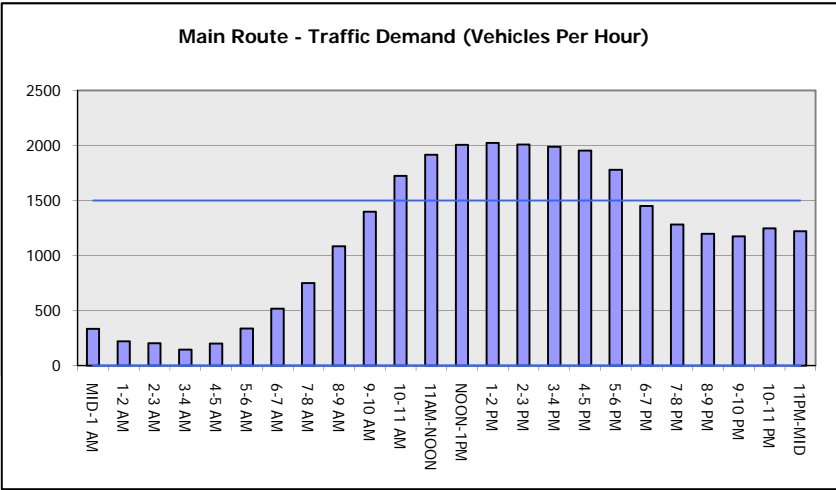
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0081
MAIN ROUTE WITH WORKS	0.0074
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,831
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	328	0.0	1500	328	0	0.51	0	70.2	52.7	44.2
1-2 AM	201	0.0	1500	201	0	0.50	0	70.2	53.0	44.6
2-3 AM	179	0.0	1500	179	0	0.49	0	70.2	53.1	44.8
3-4 AM	138	0.0	1500	138	0	0.49	0	70.2	53.3	45.0
4-5 AM	198	0.0	1500	198	0	0.50	0	70.2	53.0	44.7
5-6 AM	276	0.0	1500	276	0	0.51	0	70.2	52.8	44.4
6-7 AM	472	0.0	1500	472	0	0.53	0	70.2	52.2	43.6
7-8 AM	783	0.0	1500	783	0	0.56	0	69.7	51.2	42.5
8-9 AM	1195	0.0	OFF	1195	0	0.00	0	69.2	69.2	69.2
9-10 AM	1598	0.0	OFF	1598	0	0.00	0	68.7	68.7	68.7
10-11 AM	2034	0.0	OFF	2034	0	0.00	0	68.2	68.2	68.2
11AM-NOON	2238	0.0	OFF	2238	0	0.00	0	67.9	67.9	67.9
NOON-1PM	2317	0.0	OFF	2317	0	0.00	0	67.9	67.9	67.9
1-2 PM	2336	0.0	OFF	2336	0	0.00	0	67.8	67.8	67.8
2-3 PM	2342	0.0	OFF	2342	0	0.00	0	67.8	67.8	67.8
3-4 PM	2268	0.0	OFF	2268	0	0.00	0	67.9	67.9	67.9
4-5 PM	2142	0.0	OFF	2142	0	0.00	0	68.1	68.1	68.1
5-6 PM	1991	0.0	OFF	1991	0	0.00	0	68.2	68.2	68.2
6-7 PM	1460	0.0	1499	1460	0	1.53	15	68.9	35.0	32.4
7-8 PM	1014	0.0	1500	1014	0	0.59	0	69.5	50.4	41.6
8-9 PM	845	0.0	1500	845	0	0.57	0	69.7	50.9	42.2
9-10 PM	702	0.0	1500	702	0	0.55	0	69.9	51.4	42.7
10-11 PM	600	0.0	1500	600	0	0.54	0	70.0	51.7	43.1
11PM-MID	437	0.0	1500	437	0	0.53	0	70.2	52.3	43.7

"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	0.0081
MAIN ROUTE WITH WORKS	0.0076
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,363
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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