

<b>USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	3000	327	0	0.36	0	70.2	56.9	49.7	
1-2 AM	189	0.0	3000	189	0	0.36	0	70.2	56.9	49.7	
2-3 AM	184	0.0	3000	184	0	0.36	0	70.2	56.9	49.7	
3-4 AM	178	0.0	3000	178	0	0.36	0	70.2	56.9	49.7	
4-5 AM	321	0.0	3000	321	0	0.36	0	70.2	56.9	49.7	
5-6 AM	897	0.0	3000	897	0	0.35	0	69.6	56.8	49.7	
6-7 AM	1625	0.0	3000	1625	0	0.34	0	68.7	56.4	49.7	
7-8 AM	2364	0.0	3000	2364	0	0.33	0	67.8	56.2	49.7	
8-9 AM	1791	0.0	3000	1791	0	0.34	0	68.5	56.4	49.7	
9-10 AM	1709	0.0	3000	1709	0	0.34	0	68.6	56.4	49.7	
10-11 AM	1935	0.0	3000	1935	0	0.34	0	68.3	56.4	49.7	
11AM-NOON	2235	0.0	3000	2235	0	0.33	0	67.9	56.3	49.7	
NOON-1PM	2443	0.0	3000	2443	0	0.36	0	67.7	55.1	48.3	
1-2 PM	2780	0.0	3000	2780	0	0.59	0	67.3	49.3	40.9	
2-3 PM	2842	0.0	3000	2842	0	0.63	0	67.2	48.4	39.8	
3-4 PM	2928	0.0	2999	2928	0	0.68	0	67.1	47.1	38.4	
4-5 PM	3143	0.0	2999	3143	0	1.99	75	66.8	30.0	37.3	
5-6 PM	2787	0.0	2999	2787	0	1.72	78	67.3	32.5	39.8	
6-7 PM	2016	0.0	3000	2016	0	0.33	0	68.2	56.3	49.7	
7-8 PM	1496	0.0	3000	1496	0	0.34	0	68.9	56.5	49.7	
8-9 PM	1422	0.0	3000	1422	0	0.34	0	69.0	56.6	49.7	
9-10 PM	1229	0.0	3000	1229	0	0.35	0	69.2	56.6	49.7	
10-11 PM	858	0.0	3000	858	0	0.35	0	69.7	56.8	49.7	
11PM-MID	525	0.0	3000	525	0	0.36	0	70.1	56.9	49.7	

*----- 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	0.0084
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,464
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

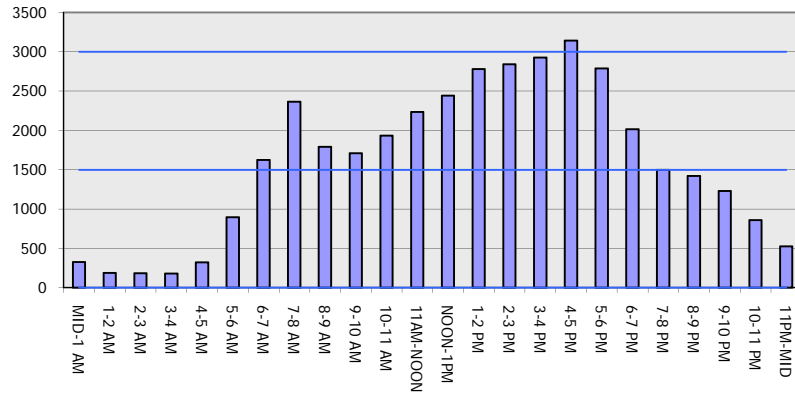
**AUGUST**

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Construction Season

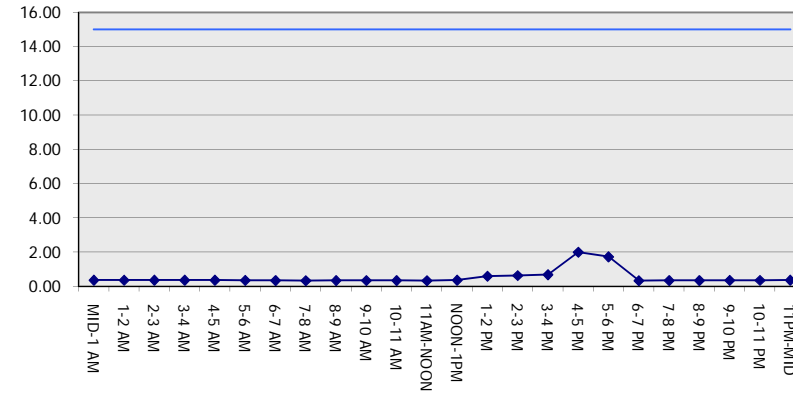
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY SOUTHBOUND DIRECTION**

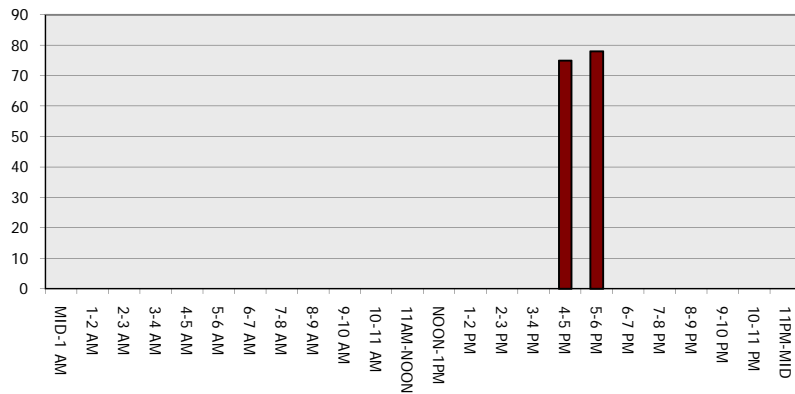
**Main Route - Traffic Demand (Vehicles Per Hour)**



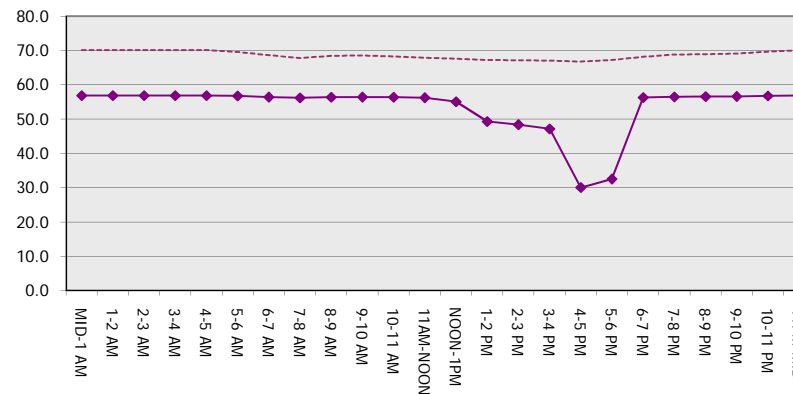
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



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	Analyzed for 2009 Construction Season

**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	3000	267	0	0.36	0	70.2	56.9	49.7
1-2 AM	191	0.0	3000	191	0	0.36	0	70.2	56.9	49.7
2-3 AM	169	0.0	3000	169	0	0.36	0	70.2	56.9	49.7
3-4 AM	170	0.0	3000	170	0	0.36	0	70.2	56.9	49.7
4-5 AM	383	0.0	3000	383	0	0.36	0	70.2	56.9	49.7
5-6 AM	728	0.0	3000	728	0	0.35	0	69.8	56.8	49.7
6-7 AM	1457	0.0	3000	1457	0	0.34	0	68.9	56.5	49.7
7-8 AM	2364	0.0	3000	2364	0	0.33	0	67.8	56.2	49.7
8-9 AM	1967	0.0	3000	1967	0	0.34	0	68.3	56.3	49.7
9-10 AM	1949	0.0	3000	1949	0	0.34	0	68.3	56.4	49.7
10-11 AM	2263	0.0	3000	2263	0	0.33	0	67.9	56.3	49.7
11AM-NOON	2419	0.0	3000	2419	0	0.35	0	67.8	55.6	48.8
NOON-1PM	2566	0.0	3000	2566	0	0.45	0	67.6	52.8	45.3
1-2 PM	2608	0.0	3000	2608	0	0.47	0	67.5	52.1	44.3
2-3 PM	2835	0.0	2999	2835	0	0.62	0	67.2	48.5	39.9
3-4 PM	3012	0.0	2999	3012	0	0.85	8	67.0	43.8	37.6
4-5 PM	3279	0.0	3000	3279	0	3.64	176	66.6	21.0	37.3
5-6 PM	2887	0.0	2999	2887	0	5.86	284	67.1	15.7	37.3
6-7 PM	2359	0.0	3000	2359	0	0.81	39	67.8	44.9	46.8
7-8 PM	1783	0.0	3000	1783	0	0.34	0	68.5	56.4	49.7
8-9 PM	1236	0.0	3000	1236	0	0.35	0	69.2	56.6	49.7
9-10 PM	974	0.0	3000	974	0	0.35	0	69.6	56.7	49.7
10-11 PM	785	0.0	3000	785	0	0.35	0	69.7	56.8	49.7
11PM-MID	534	0.0	3000	534	0	0.36	0	70.0	56.9	49.7

*----- 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	0.0112
MAIN ROUTE WITH WORKS	0.0087
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,818
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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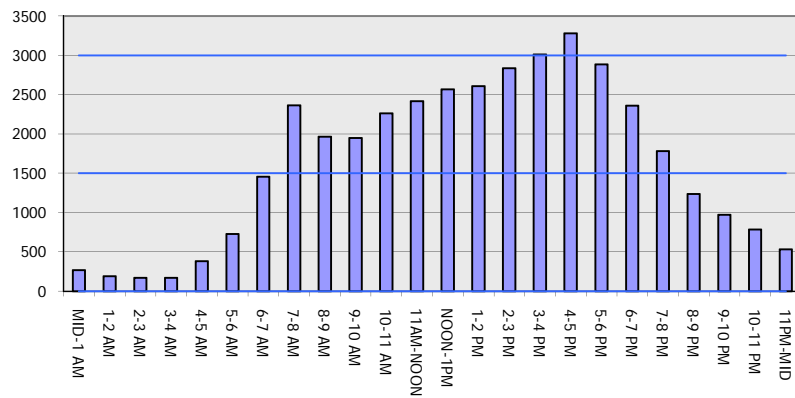
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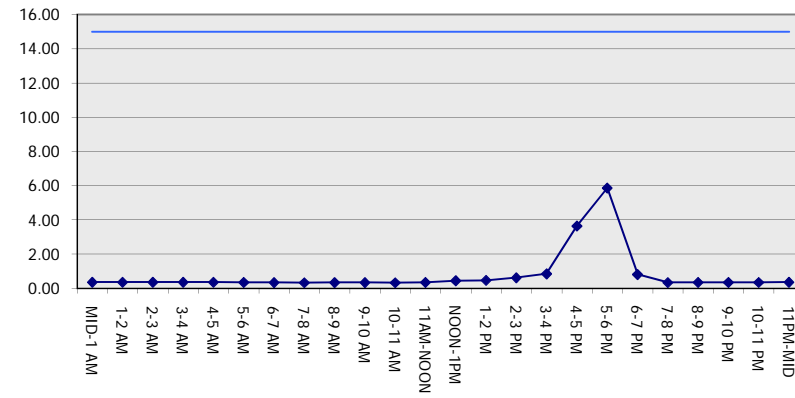
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY NORTHBOUND DIRECTION**

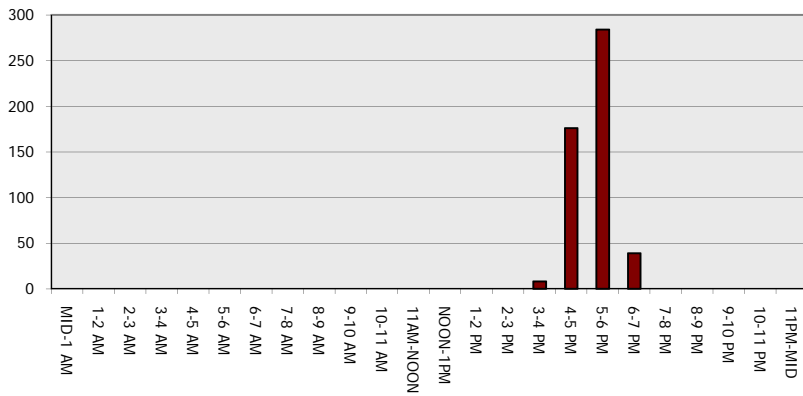
**Main Route - Traffic Demand (Vehicles Per Hour)**



**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**

