

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 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	3000	334	0	0.36	0	70.2	56.9	49.7
1-2 AM	220	0.0	3000	220	0	0.36	0	70.2	56.9	49.7
2-3 AM	204	0.0	3000	204	0	0.36	0	70.2	56.9	49.7
3-4 AM	146	0.0	3000	146	0	0.36	0	70.2	56.9	49.7
4-5 AM	200	0.0	3000	200	0	0.36	0	70.2	56.9	49.7
5-6 AM	336	0.0	3000	336	0	0.36	0	70.2	56.9	49.7
6-7 AM	517	0.0	3000	517	0	0.36	0	70.1	56.9	49.7
7-8 AM	751	0.0	3000	751	0	0.35	0	69.8	56.8	49.7
8-9 AM	1085	0.0	3000	1085	0	0.35	0	69.4	56.7	49.7
9-10 AM	1399	0.0	3000	1399	0	0.34	0	69.0	56.6	49.7
10-11 AM	1724	0.0	3000	1724	0	0.34	0	68.6	56.4	49.7
11AM-NOON	1917	0.0	3000	1917	0	0.34	0	68.4	56.4	49.7
NOON-1PM	2007	0.0	3000	2007	0	0.33	0	68.2	56.3	49.7
1-2 PM	2023	0.0	3000	2023	0	0.33	0	68.2	56.3	49.7
2-3 PM	2008	0.0	3000	2008	0	0.33	0	68.2	56.3	49.7
3-4 PM	1988	0.0	3000	1988	0	0.33	0	68.2	56.3	49.7
4-5 PM	1954	0.0	3000	1954	0	0.34	0	68.3	56.4	49.7
5-6 PM	1778	0.0	3000	1778	0	0.34	0	68.5	56.4	49.7
6-7 PM	1452	0.0	3000	1452	0	0.34	0	68.9	56.5	49.7
7-8 PM	1282	0.0	3000	1282	0	0.35	0	69.1	56.6	49.7
8-9 PM	1197	0.0	3000	1197	0	0.35	0	69.2	56.6	49.7
9-10 PM	1175	0.0	3000	1175	0	0.35	0	69.3	56.6	49.7
10-11 PM	1246	0.0	3000	1246	0	0.35	0	69.2	56.6	49.7
11PM-MID	1220	0.0	3000	1220	0	0.35	0	69.2	56.6	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	0.0081
MAIN ROUTE WITH WORKS	0.0062
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$2,353
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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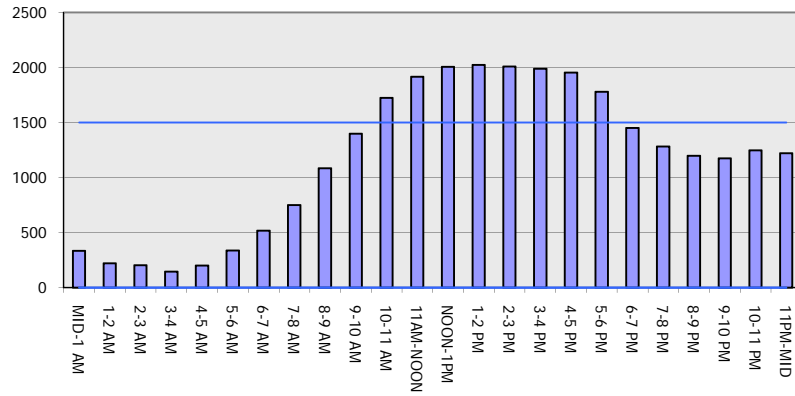
AUGUST

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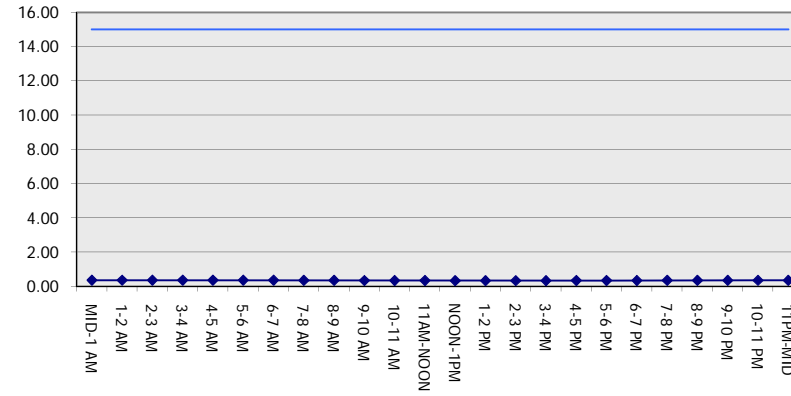
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION

Main Route - Traffic Demand (Vehicles Per Hour)



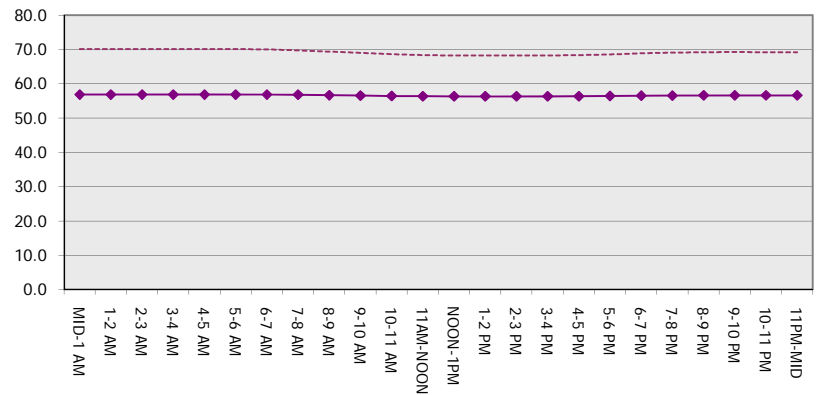
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	3000	328	0	0.36	0	70.2	56.9	49.7
1-2 AM	201	0.0	3000	201	0	0.36	0	70.2	56.9	49.7
2-3 AM	179	0.0	3000	179	0	0.36	0	70.2	56.9	49.7
3-4 AM	138	0.0	3000	138	0	0.36	0	70.2	56.9	49.7
4-5 AM	198	0.0	3000	198	0	0.36	0	70.2	56.9	49.7
5-6 AM	276	0.0	3000	276	0	0.36	0	70.2	56.9	49.7
6-7 AM	472	0.0	3000	472	0	0.36	0	70.2	56.9	49.7
7-8 AM	783	0.0	3000	783	0	0.35	0	69.7	56.8	49.7
8-9 AM	1195	0.0	3000	1195	0	0.35	0	69.2	56.6	49.7
9-10 AM	1598	0.0	3000	1598	0	0.34	0	68.7	56.5	49.7
10-11 AM	2034	0.0	3000	2034	0	0.33	0	68.2	56.3	49.7
11AM-NOON	2238	0.0	3000	2238	0	0.33	0	67.9	56.3	49.7
NOON-1PM	2317	0.0	3000	2317	0	0.33	0	67.9	56.2	49.7
1-2 PM	2336	0.0	3000	2336	0	0.33	0	67.8	56.2	49.7
2-3 PM	2342	0.0	3000	2342	0	0.33	0	67.8	56.2	49.7
3-4 PM	2268	0.0	3000	2268	0	0.33	0	67.9	56.3	49.7
4-5 PM	2142	0.0	3000	2142	0	0.33	0	68.1	56.3	49.7
5-6 PM	1991	0.0	3000	1991	0	0.33	0	68.2	56.3	49.7
6-7 PM	1460	0.0	3000	1460	0	0.34	0	68.9	56.5	49.7
7-8 PM	1014	0.0	3000	1014	0	0.35	0	69.5	56.7	49.7
8-9 PM	845	0.0	3000	845	0	0.35	0	69.7	56.8	49.7
9-10 PM	702	0.0	3000	702	0	0.36	0	69.9	56.8	49.7
10-11 PM	600	0.0	3000	600	0	0.36	0	70.0	56.8	49.7
11PM-MID	437	0.0	3000	437	0	0.36	0	70.2	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	0.0081
MAIN ROUTE WITH WORKS	0.0062
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,321
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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