

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	316	0.0	3000	316	0	0.36	0	70.2	56.9	49.7	
1-2 AM	175	0.0	3000	175	0	0.36	0	70.2	56.9	49.7	
2-3 AM	129	0.0	3000	129	0	0.36	0	70.2	56.9	49.7	
3-4 AM	159	0.0	3000	159	0	0.36	0	70.2	56.9	49.7	
4-5 AM	331	0.0	3000	331	0	0.36	0	70.2	56.9	49.7	
5-6 AM	975	0.0	3000	975	0	0.35	0	69.6	56.7	49.7	
6-7 AM	1802	0.0	3000	1802	0	0.34	0	68.5	56.4	49.7	
7-8 AM	2798	0.0	3000	2798	0	0.60	0	67.3	49.1	40.6	
8-9 AM	2031	0.0	3000	2031	0	0.33	0	68.2	56.3	49.7	
9-10 AM	1600	0.0	3000	1600	0	0.34	0	68.7	56.5	49.7	
10-11 AM	1665	0.0	3000	1665	0	0.34	0	68.7	56.4	49.7	
11AM-NOON	1883	0.0	3000	1883	0	0.34	0	68.4	56.4	49.7	
NOON-1PM	2057	0.0	3000	2057	0	0.33	0	68.2	56.3	49.7	
1-2 PM	2243	0.0	3000	2243	0	0.33	0	67.9	56.3	49.7	
2-3 PM	2481	0.0	3000	2481	0	0.39	0	67.6	54.4	47.3	
3-4 PM	2610	0.0	2999	2610	0	0.47	0	67.5	52.1	44.3	
4-5 PM	3071	0.0	2999	3071	0	1.22	29	66.9	38.1	37.3	
5-6 PM	2813	0.0	2999	2813	0	1.12	35	67.3	39.6	40.1	
6-7 PM	1850	0.0	3000	1850	0	0.34	0	68.4	56.4	49.7	
7-8 PM	1420	0.0	3000	1420	0	0.34	0	69.0	56.6	49.7	
8-9 PM	1290	0.0	3000	1290	0	0.35	0	69.1	56.6	49.7	
9-10 PM	1053	0.0	3000	1053	0	0.35	0	69.4	56.7	49.7	
10-11 PM	645	0.0	3000	645	0	0.36	0	69.9	56.8	49.7	
11PM-MID	359	0.0	3000	359	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	0.0103
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,794
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

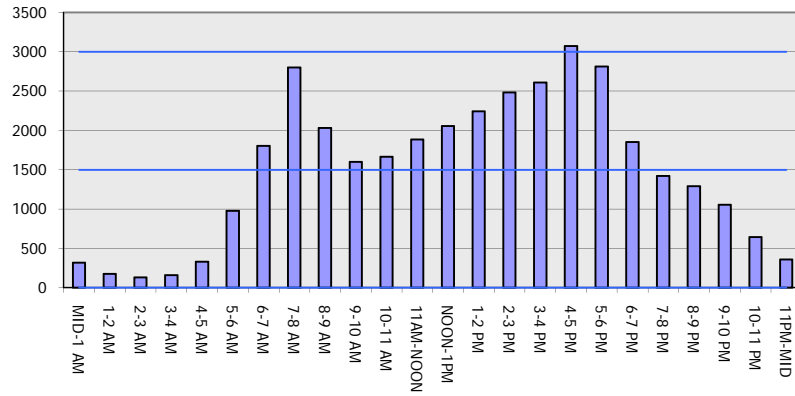
OCTOBER

Analyzed for 2009
Construction Season

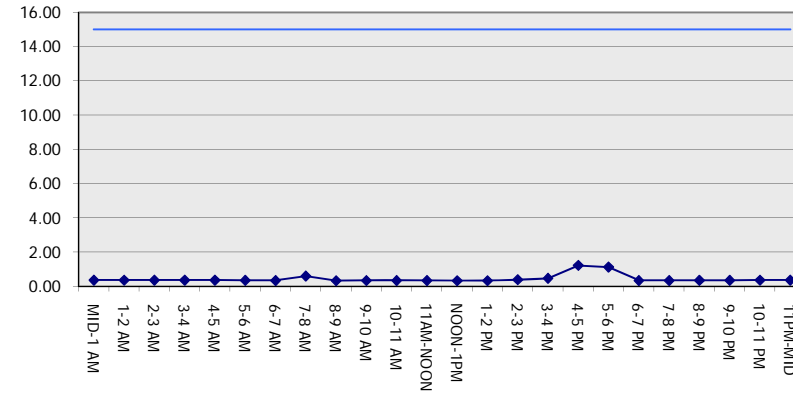
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION

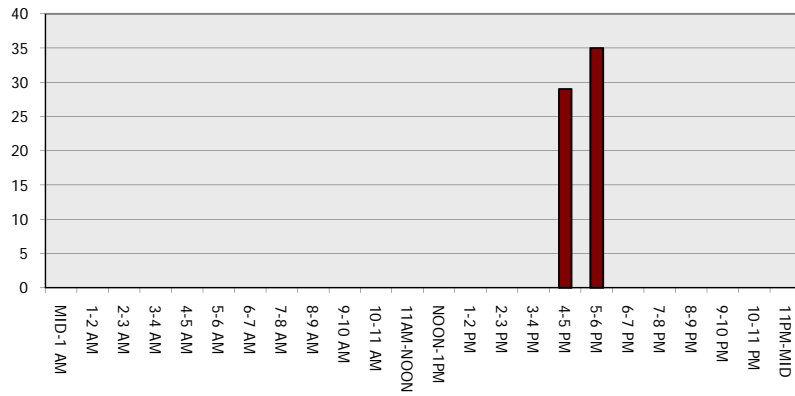
Main Route - Traffic Demand (Vehicles Per Hour)



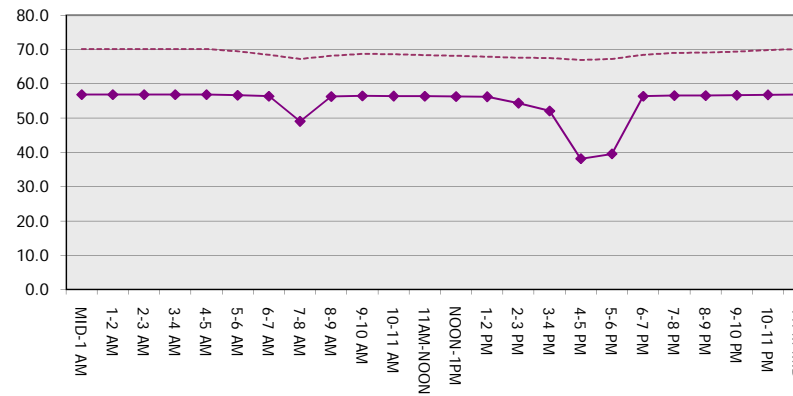
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

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	163	0.0	3000	163	0	0.36	0	70.2	56.9	49.7
1-2 AM	128	0.0	3000	128	0	0.36	0	70.2	56.9	49.7
2-3 AM	110	0.0	3000	110	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	295	0.0	3000	295	0	0.36	0	70.2	56.9	49.7
5-6 AM	859	0.0	3000	859	0	0.35	0	69.7	56.8	49.7
6-7 AM	1644	0.0	3000	1644	0	0.34	0	68.7	56.4	49.7
7-8 AM	2749	0.0	3000	2749	0	0.56	0	67.3	49.8	41.5
8-9 AM	2171	0.0	3000	2171	0	0.33	0	68.1	56.3	49.7
9-10 AM	1810	0.0	3000	1810	0	0.34	0	68.5	56.4	49.7
10-11 AM	1833	0.0	3000	1833	0	0.34	0	68.4	56.4	49.7
11AM-NOON	2023	0.0	3000	2023	0	0.33	0	68.2	56.3	49.7
NOON-1PM	2037	0.0	3000	2037	0	0.33	0	68.2	56.3	49.7
1-2 PM	2019	0.0	3000	2019	0	0.33	0	68.2	56.3	49.7
2-3 PM	2193	0.0	3000	2193	0	0.33	0	68.0	56.3	49.7
3-4 PM	2724	0.0	2999	2724	0	0.54	0	67.4	50.3	42.1
4-5 PM	3202	0.0	2999	3202	0	2.26	95	66.8	27.9	37.3
5-6 PM	2879	0.0	2999	2879	0	3.97	184	67.1	19.6	37.9
6-7 PM	1822	0.0	3000	1822	0	0.38	3	68.5	55.1	49.7
7-8 PM	1076	0.0	3000	1076	0	0.35	0	69.4	56.7	49.7
8-9 PM	820	0.0	3000	820	0	0.35	0	69.7	56.8	49.7
9-10 PM	651	0.0	3000	651	0	0.36	0	69.9	56.8	49.7
10-11 PM	509	0.0	3000	509	0	0.36	0	70.1	56.9	49.7
11PM-MID	316	0.0	3000	316	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	0.0098
MAIN ROUTE WITH WORKS	0.0075
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,112
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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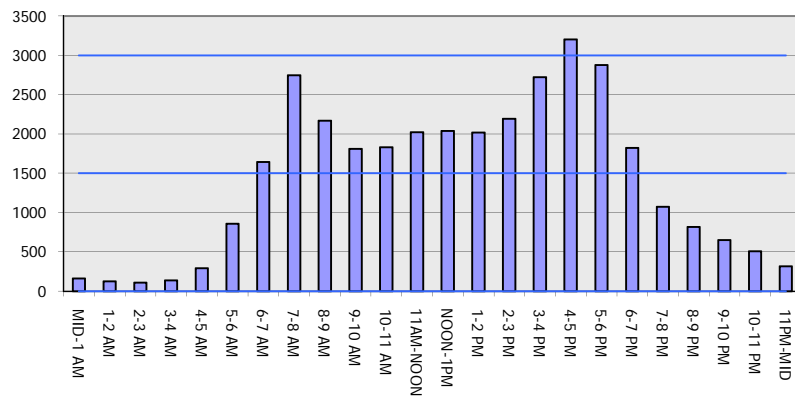
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

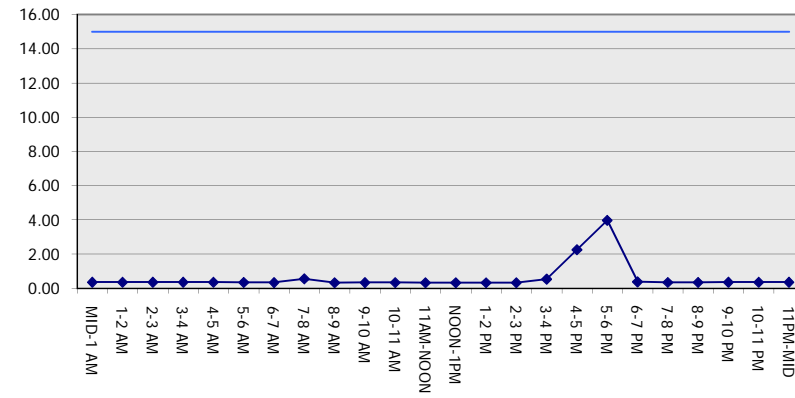
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NORTHBOUND DIRECTION

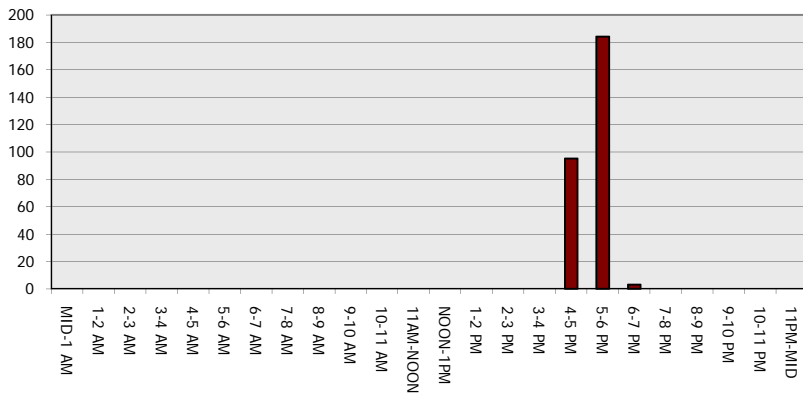
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

