

USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	365	0.0	1500	365	0	0.46	0	65.7	58.7	44.0	
1-2 AM	209	0.0	1500	209	0	0.44	0	66.0	59.1	44.6	
2-3 AM	166	0.0	1500	166	0	0.44	0	66.1	59.2	44.8	
3-4 AM	145	0.0	1500	145	0	0.44	0	66.1	59.3	44.9	
4-5 AM	223	0.0	1500	223	0	0.44	0	66.0	59.1	44.6	
5-6 AM	321	0.0	1500	321	0	0.45	0	65.8	58.8	44.2	
6-7 AM	543	0.0	1500	543	0	0.48	0	65.4	58.2	43.3	
7-8 AM	737	0.0	1500	737	0	0.49	0	65.0	57.7	42.6	
8-9 AM	1082	0.0	OFF	1082	0	0.00	0	64.4	64.4	64.4	
9-10 AM	1263	0.0	OFF	1263	0	0.00	0	64.0	64.0	64.0	
10-11 AM	1527	0.0	OFF	1527	0	0.00	0	63.5	63.5	63.5	
11AM-NOON	1540	0.0	OFF	1540	0	0.00	0	63.5	63.5	63.5	
NOON-1PM	1610	0.0	OFF	1610	0	0.00	0	63.4	63.4	63.4	
1-2 PM	1560	0.0	OFF	1560	0	0.00	0	63.5	63.5	63.5	
2-3 PM	1496	0.0	OFF	1496	0	0.00	0	63.6	63.6	63.6	
3-4 PM	1423	0.0	OFF	1423	0	0.00	0	63.7	63.7	63.7	
4-5 PM	1464	0.0	OFF	1464	0	0.00	0	63.7	63.7	63.7	
5-6 PM	1399	0.0	OFF	1399	0	0.00	0	63.8	63.8	63.8	
6-7 PM	1334	0.0	1500	1334	0	0.81	0	63.9	53.0	34.6	
7-8 PM	1042	0.0	1500	1042	0	0.52	0	64.5	56.8	41.5	
8-9 PM	930	0.0	1500	930	0	0.51	0	64.6	57.1	41.9	
9-10 PM	889	0.0	1500	889	0	0.51	0	64.7	57.3	42.0	
10-11 PM	749	0.0	1500	749	0	0.50	0	65.0	57.6	42.6	
11PM-MID	634	0.0	1500	634	0	0.48	0	65.2	57.9	43.0	

"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	0.0151
MAIN ROUTE WITH WORKS	0.0146
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,072
CONGESTED HOURS PER DAY*	0

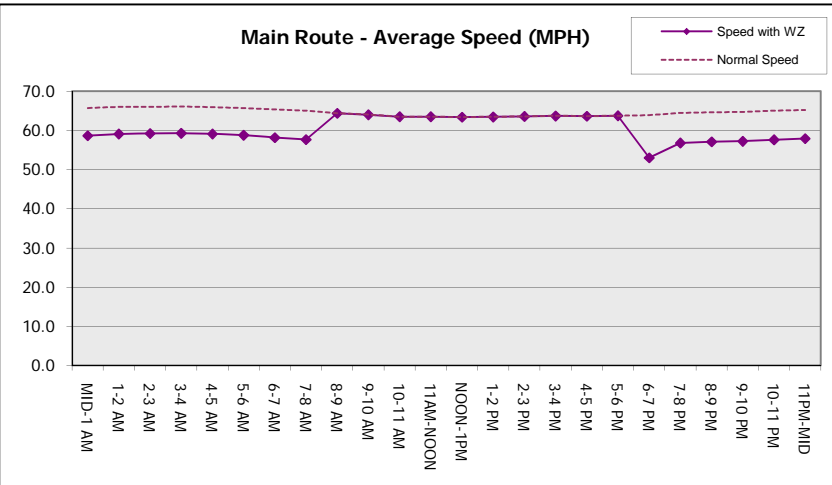
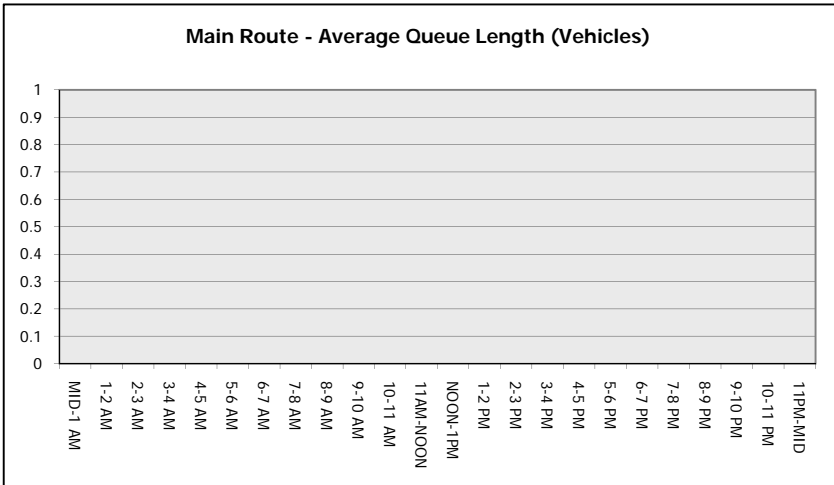
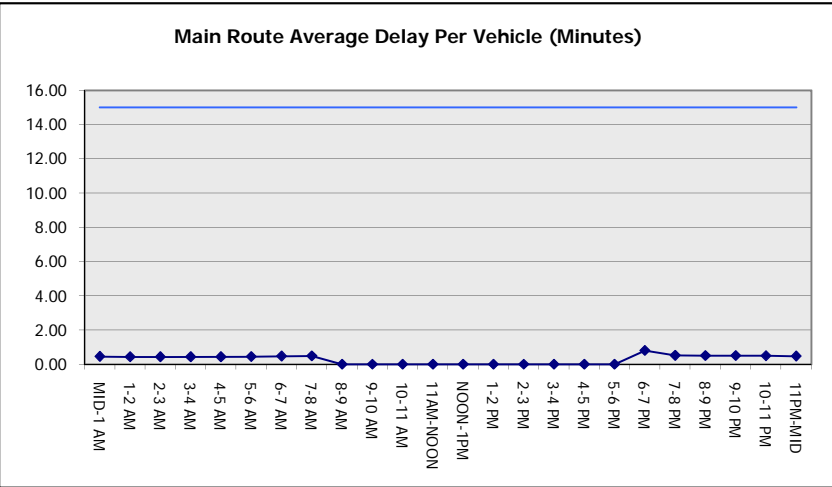
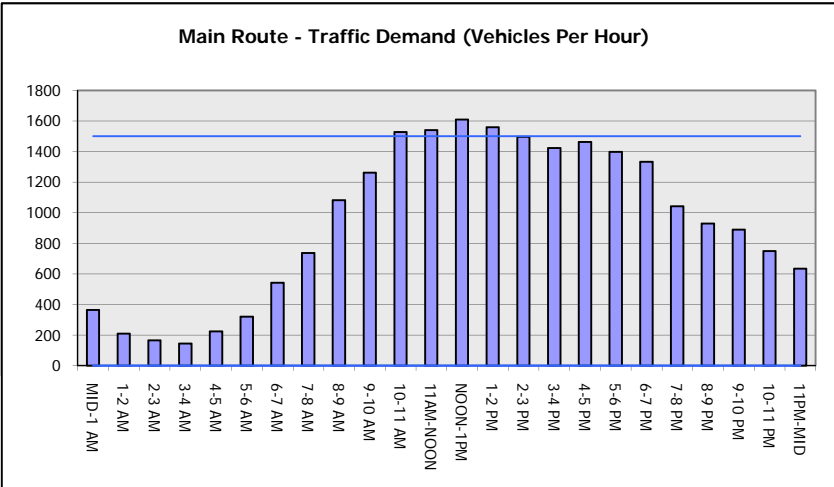
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION



USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
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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	275	0.0	1500	275	0	0.45	0	65.9	58.9	44.4
1-2 AM	168	0.0	1500	168	0	0.44	0	66.1	59.2	44.8
2-3 AM	172	0.0	1500	172	0	0.44	0	66.1	59.2	44.8
3-4 AM	119	0.0	1500	119	0	0.43	0	66.1	59.4	45.0
4-5 AM	182	0.0	1500	182	0	0.44	0	66.1	59.2	44.8
5-6 AM	275	0.0	1500	275	0	0.45	0	65.9	58.9	44.4
6-7 AM	471	0.0	1500	471	0	0.47	0	65.5	58.4	43.6
7-8 AM	772	0.0	1500	772	0	0.50	0	65.0	57.6	42.5
8-9 AM	1213	0.0	OFF	1213	0	0.00	0	64.1	64.1	64.1
9-10 AM	1388	0.0	OFF	1388	0	0.00	0	63.8	63.8	63.8
10-11 AM	1557	0.0	OFF	1557	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1739	0.0	OFF	1739	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1764	0.0	OFF	1764	0	0.00	0	63.1	63.1	63.1
1-2 PM	1624	0.0	OFF	1624	0	0.00	0	63.3	63.3	63.3
2-3 PM	1598	0.0	OFF	1598	0	0.00	0	63.4	63.4	63.4
3-4 PM	1609	0.0	OFF	1609	0	0.00	0	63.4	63.4	63.4
4-5 PM	1714	0.0	OFF	1714	0	0.00	0	63.2	63.2	63.2
5-6 PM	1572	0.0	OFF	1572	0	0.00	0	63.5	63.5	63.5
6-7 PM	1165	0.0	1500	1165	0	0.59	0	64.2	55.8	39.6
7-8 PM	1145	0.0	1500	1145	0	0.57	0	64.3	56.1	40.3
8-9 PM	1044	0.0	1500	1044	0	0.52	0	64.5	56.8	41.5
9-10 PM	813	0.0	1500	813	0	0.50	0	64.9	57.4	42.4
10-11 PM	576	0.0	1500	576	0	0.48	0	65.3	58.1	43.2
11PM-MID	400	0.0	1500	400	0	0.46	0	65.6	58.6	43.9

"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	0.0156
MAIN ROUTE WITH WORKS	0.0151
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$928
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

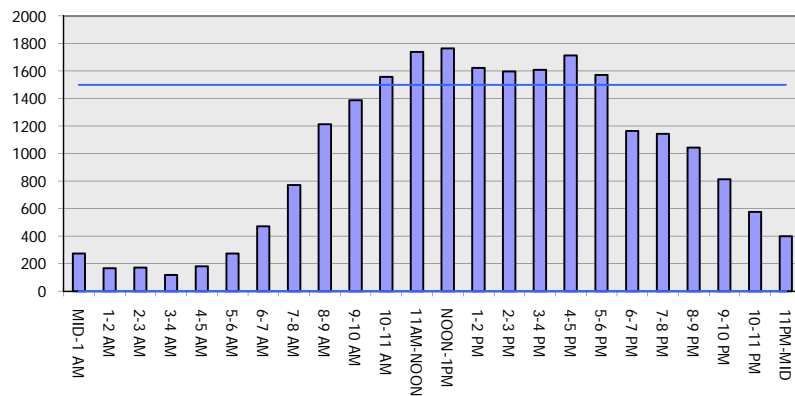
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OCTOBER

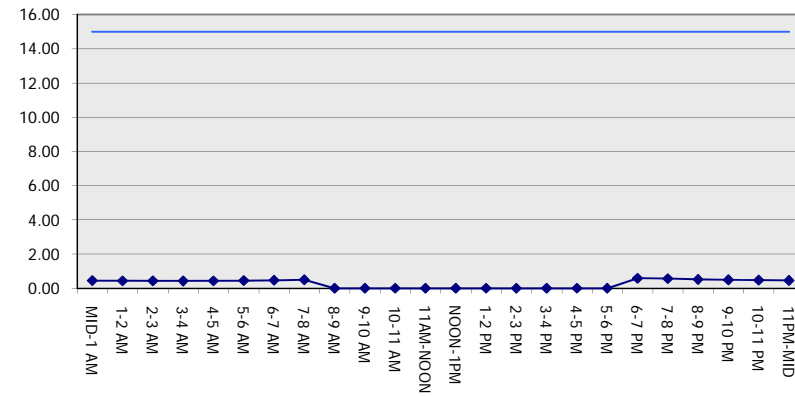
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

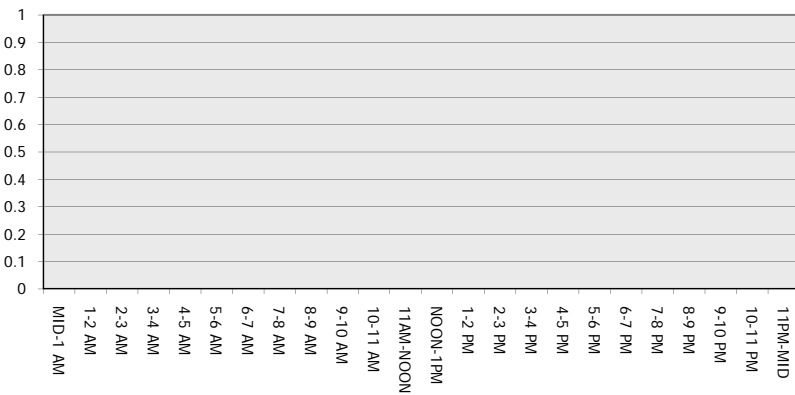
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

