

USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	214	0.0	1500	214	0	0.44	0	66.0	59.1	44.6
1-2 AM	136	0.0	1500	136	0	0.44	0	66.1	59.4	45.0
2-3 AM	115	0.0	1500	115	0	0.43	0	66.2	59.4	45.0
3-4 AM	175	0.0	1500	175	0	0.44	0	66.1	59.2	44.8
4-5 AM	366	0.0	1500	366	0	0.46	0	65.7	58.7	44.0
5-6 AM	1016	0.0	OFF	1016	0	0.00	0	64.5	64.5	64.5
6-7 AM	1941	0.0	OFF	1941	0	0.00	0	62.8	62.8	62.8
7-8 AM	2719	0.0	OFF	2719	0	0.00	0	58.6	58.6	58.6
8-9 AM	1853	0.0	OFF	1853	0	0.00	0	62.9	62.9	62.9
9-10 AM	1557	0.0	OFF	1557	0	0.00	0	63.5	63.5	63.5
10-11 AM	1606	0.0	OFF	1606	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1655	0.0	OFF	1655	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1786	0.0	OFF	1786	0	0.00	0	63.0	63.0	63.0
1-2 PM	1860	0.0	OFF	1860	0	0.00	0	62.9	62.9	62.9
2-3 PM	1928	0.0	OFF	1928	0	0.00	0	62.8	62.8	62.8
3-4 PM	2149	0.0	OFF	2149	0	0.00	0	62.4	62.4	62.4
4-5 PM	2580	0.0	OFF	2580	0	0.00	0	60.1	60.1	60.1
5-6 PM	2573	0.0	OFF	2573	0	0.00	0	60.1	60.1	60.1
6-7 PM	1566	0.0	OFF	1566	0	0.00	0	63.5	63.5	63.5
7-8 PM	955	0.0	1500	955	0	0.51	0	64.6	57.1	41.9
8-9 PM	847	0.0	1500	847	0	0.50	0	64.8	57.4	42.2
9-10 PM	718	0.0	1500	718	0	0.49	0	65.0	57.7	42.7
10-11 PM	573	0.0	1500	573	0	0.48	0	65.3	58.1	43.2
11PM-MID	428	0.0	1500	428	0	0.46	0	65.6	58.5	43.8

"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

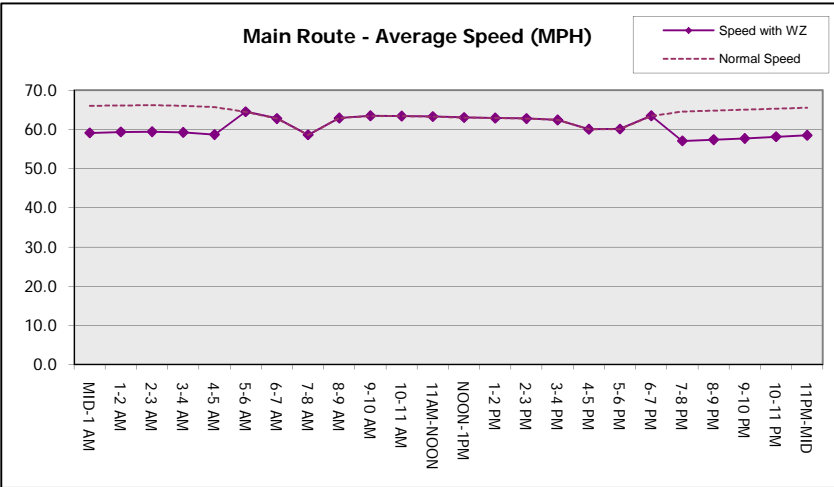
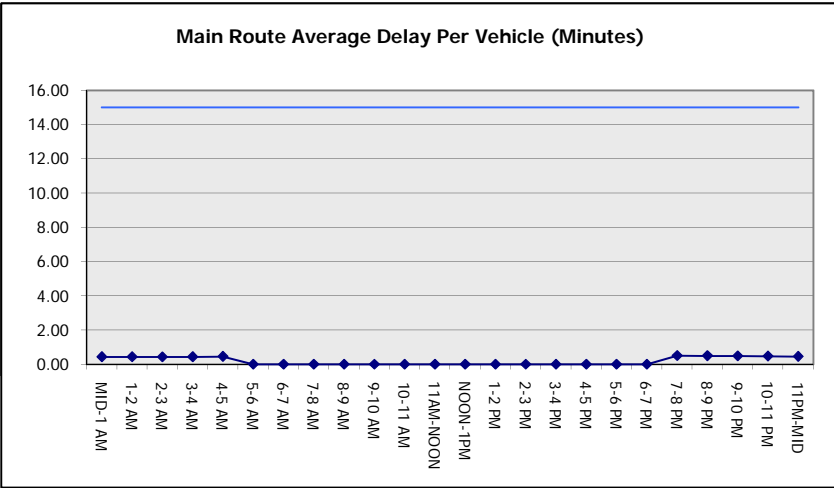
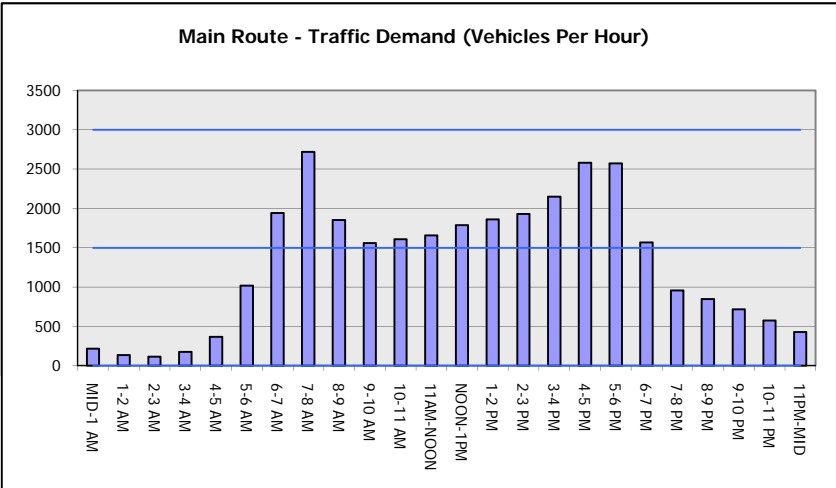
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0209
MAIN ROUTE WITH WORKS	0.0206
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$453
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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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	242	0.0	1500	242	0	0.45	0	66.0	59.1	44.5
1-2 AM	208	0.0	1500	208	0	0.44	0	66.0	59.1	44.6
2-3 AM	183	0.0	1500	183	0	0.44	0	66.1	59.2	44.8
3-4 AM	147	0.0	1500	147	0	0.44	0	66.1	59.3	44.9
4-5 AM	303	0.0	1500	303	0	0.45	0	65.8	58.9	44.3
5-6 AM	828	0.0	OFF	828	0	0.00	0	64.8	64.8	64.8
6-7 AM	1643	0.0	OFF	1643	0	0.00	0	63.3	63.3	63.3
7-8 AM	2272	0.0	OFF	2272	0	0.00	0	62.2	62.2	62.2
8-9 AM	1652	0.0	OFF	1652	0	0.00	0	63.3	63.3	63.3
9-10 AM	1472	0.0	OFF	1472	0	0.00	0	63.7	63.7	63.7
10-11 AM	1507	0.0	OFF	1507	0	0.00	0	63.6	63.6	63.6
11AM-NOON	1613	0.0	OFF	1613	0	0.00	0	63.4	63.4	63.4
NOON-1PM	1698	0.0	OFF	1698	0	0.00	0	63.2	63.2	63.2
1-2 PM	1791	0.0	OFF	1791	0	0.00	0	63.0	63.0	63.0
2-3 PM	2091	0.0	OFF	2091	0	0.00	0	62.5	62.5	62.5
3-4 PM	2361	0.0	OFF	2361	0	0.00	0	62.0	62.0	62.0
4-5 PM	2798	0.0	OFF	2798	0	0.00	0	57.8	57.8	57.8
5-6 PM	2492	0.0	OFF	2492	0	0.00	0	61.0	61.0	61.0
6-7 PM	1549	0.0	OFF	1549	0	0.00	0	63.5	63.5	63.5
7-8 PM	1090	0.0	1500	1090	0	0.53	0	64.3	56.7	41.4
8-9 PM	1019	0.0	1500	1019	0	0.52	0	64.5	56.9	41.6
9-10 PM	849	0.0	1500	849	0	0.50	0	64.8	57.4	42.2
10-11 PM	613	0.0	1500	613	0	0.48	0	65.3	58.0	43.1
11PM-MID	390	0.0	1500	390	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	0.0206
MAIN ROUTE WITH WORKS	0.0203
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$516
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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