

USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	153	0.0	1500	153	0	0.44	0	66.1	59.3	44.9
1-2 AM	117	0.0	1500	117	0	0.43	0	66.1	59.4	45.0
2-3 AM	108	0.0	1500	108	0	0.43	0	66.2	59.4	45.1
3-4 AM	139	0.0	1500	139	0	0.44	0	66.1	59.3	45.0
4-5 AM	322	0.0	1500	322	0	0.45	0	65.8	58.8	44.2
5-6 AM	1016	0.0	OFF	1016	0	0.00	0	64.5	64.5	64.5
6-7 AM	1952	0.0	OFF	1952	0	0.00	0	62.7	62.7	62.7
7-8 AM	2914	0.0	OFF	2914	0	0.00	0	56.6	56.6	56.6
8-9 AM	1834	0.0	OFF	1834	0	0.00	0	63.0	63.0	63.0
9-10 AM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7
10-11 AM	1442	0.0	OFF	1442	0	0.00	0	63.7	63.7	63.7
11AM-NOON	1497	0.0	OFF	1497	0	0.00	0	63.6	63.6	63.6
NOON-1PM	1577	0.0	OFF	1577	0	0.00	0	63.5	63.5	63.5
1-2 PM	1641	0.0	OFF	1641	0	0.00	0	63.3	63.3	63.3
2-3 PM	1710	0.0	OFF	1710	0	0.00	0	63.2	63.2	63.2
3-4 PM	2174	0.0	OFF	2174	0	0.00	0	62.3	62.3	62.3
4-5 PM	2562	0.0	OFF	2562	0	0.00	0	60.2	60.2	60.2
5-6 PM	2412	0.0	OFF	2412	0	0.00	0	61.8	61.8	61.8
6-7 PM	1447	0.0	OFF	1447	0	0.00	0	63.7	63.7	63.7
7-8 PM	900	0.0	1500	900	0	0.51	0	64.7	57.2	42.0
8-9 PM	830	0.0	1500	830	0	0.50	0	64.8	57.4	42.3
9-10 PM	636	0.0	1500	636	0	0.48	0	65.2	57.9	43.0
10-11 PM	449	0.0	1500	449	0	0.47	0	65.6	58.4	43.7
11PM-MID	242	0.0	1500	242	0	0.45	0	66.0	59.1	44.5

"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

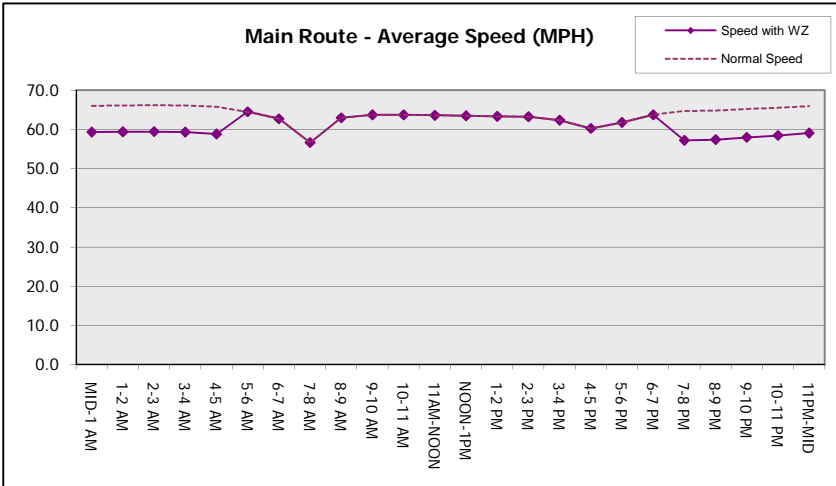
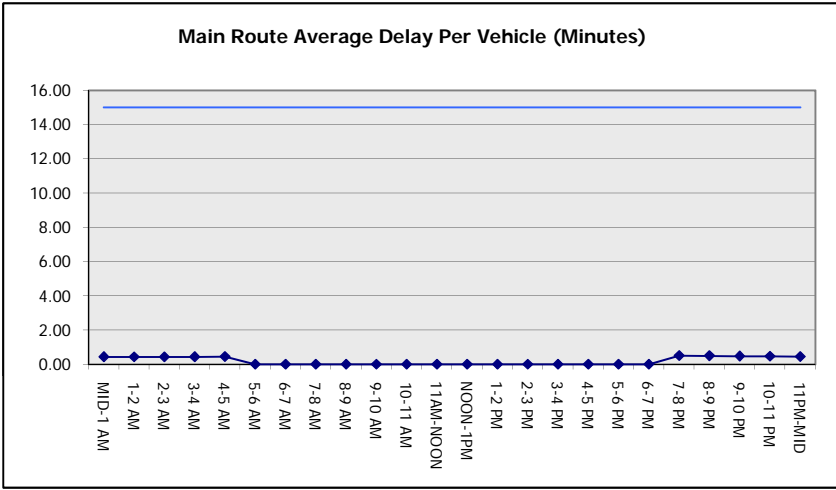
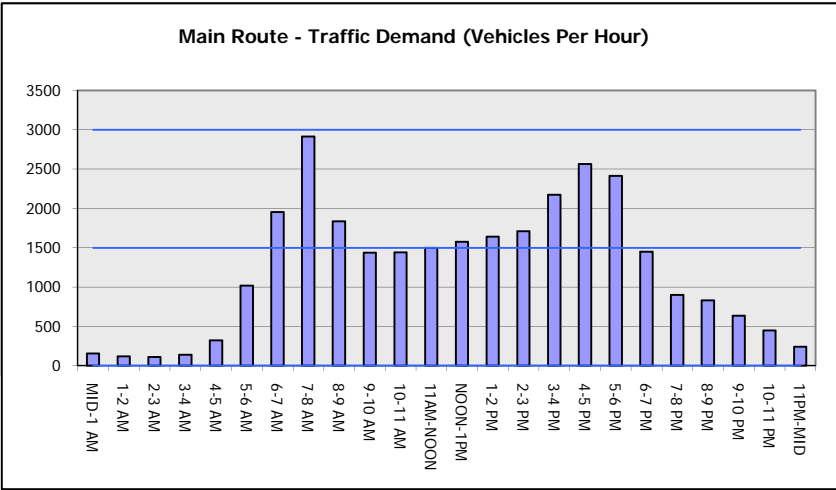
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0197
MAIN ROUTE WITH WORKS	0.0195
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$389
CONGESTED HOURS PER DAY*	0

*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	170	0.0	1500	170	0	0.44	0	66.1	59.2	44.8
1-2 AM	112	0.0	1500	112	0	0.43	0	66.2	59.4	45.0
2-3 AM	111	0.0	1500	111	0	0.43	0	66.2	59.4	45.0
3-4 AM	113	0.0	1500	113	0	0.43	0	66.2	59.4	45.0
4-5 AM	270	0.0	1500	270	0	0.45	0	65.9	58.9	44.4
5-6 AM	791	0.0	OFF	791	0	0.00	0	64.9	64.9	64.9
6-7 AM	1726	0.0	OFF	1726	0	0.00	0	63.2	63.2	63.2
7-8 AM	2451	0.0	OFF	2451	0	0.00	0	61.4	61.4	61.4
8-9 AM	1650	0.0	OFF	1650	0	0.00	0	63.3	63.3	63.3
9-10 AM	1412	0.0	OFF	1412	0	0.00	0	63.8	63.8	63.8
10-11 AM	1412	0.0	OFF	1412	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1473	0.0	OFF	1473	0	0.00	0	63.7	63.7	63.7
NOON-1PM	1555	0.0	OFF	1555	0	0.00	0	63.5	63.5	63.5
1-2 PM	1652	0.0	OFF	1652	0	0.00	0	63.3	63.3	63.3
2-3 PM	1969	0.0	OFF	1969	0	0.00	0	62.7	62.7	62.7
3-4 PM	2374	0.0	OFF	2374	0	0.00	0	62.0	62.0	62.0
4-5 PM	2871	0.0	OFF	2871	0	0.00	0	57.1	57.1	57.1
5-6 PM	2432	0.0	OFF	2432	0	0.00	0	61.6	61.6	61.6
6-7 PM	1508	0.0	OFF	1508	0	0.00	0	63.6	63.6	63.6
7-8 PM	1058	0.0	1500	1058	0	0.52	0	64.4	56.8	41.5
8-9 PM	945	0.0	1500	945	0	0.51	0	64.6	57.1	41.9
9-10 PM	802	0.0	1500	802	0	0.50	0	64.9	57.5	42.4
10-11 PM	472	0.0	1500	472	0	0.47	0	65.5	58.4	43.6
11PM-MID	273	0.0	1500	273	0	0.45	0	65.9	58.9	44.4

"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	0.0198
MAIN ROUTE WITH WORKS	0.0195
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$441
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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