

USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) CONTINUOUS (24 HOUR) 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	1499	1016	0	0.58	0	64.5	56.1	40.1	
6-7 AM	1952	0.0	1499	1952	0	5.49	166	62.7	26.5	30.8	
7-8 AM	2914	0.0	1499	1500	1414	15.37+	399	56.6	12.7	30.8	
8-9 AM	1834	0.0	1500	1427	408	15.53+	392	63.0	12.9	30.8	
9-10 AM	1438	0.0	1499	1438	0	14.33+	359	63.7	13.8	30.8	
10-11 AM	1442	0.0	1500	1442	0	11.58	285	63.7	16.2	30.8	
11AM-NOON	1497	0.0	1500	1497	0	10.38	252	63.6	17.6	30.8	
NOON-1PM	1577	0.0	1500	1577	0	11.68	288	63.5	16.1	30.8	
1-2 PM	1641	0.0	1500	1562	79	15.11+	381	63.3	13.2	30.8	
2-3 PM	1710	0.0	1500	1500	210	15.83+	400	63.2	12.7	30.8	
3-4 PM	2174	0.0	1500	1500	674	15.77+	400	62.3	12.7	30.8	
4-5 PM	2562	0.0	1500	1500	1062	15.63+	400	60.2	12.7	30.8	
5-6 PM	2412	0.0	1500	1500	912	15.74+	400	61.8	12.7	30.8	
6-7 PM	1447	0.0	1500	1379	68	14.50+	366	63.7	13.7	30.8	
7-8 PM	900	0.0	1499	900	0	2.07	71	64.7	42.2	40.6	
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	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0149
'DIVERSION'	0.0075
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$75,354
CONGESTED HOURS PER DAY*	9

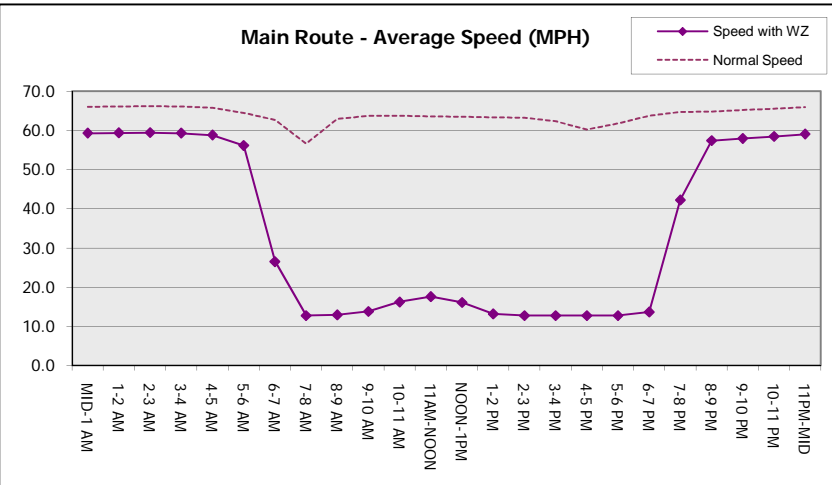
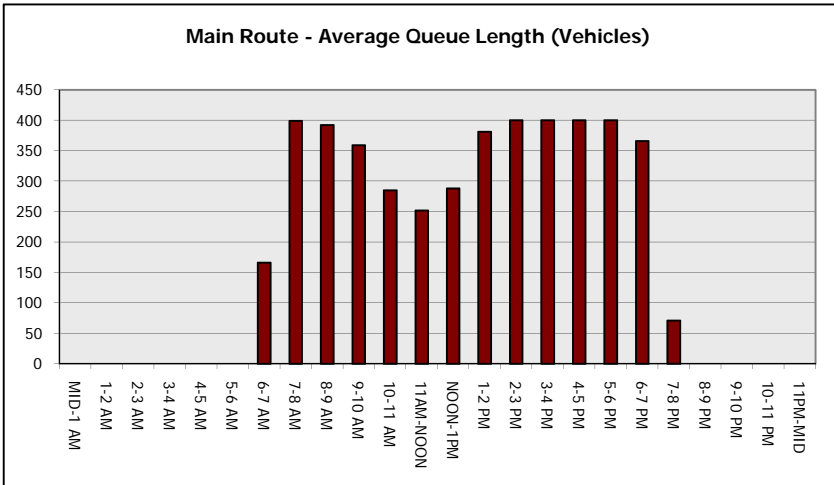
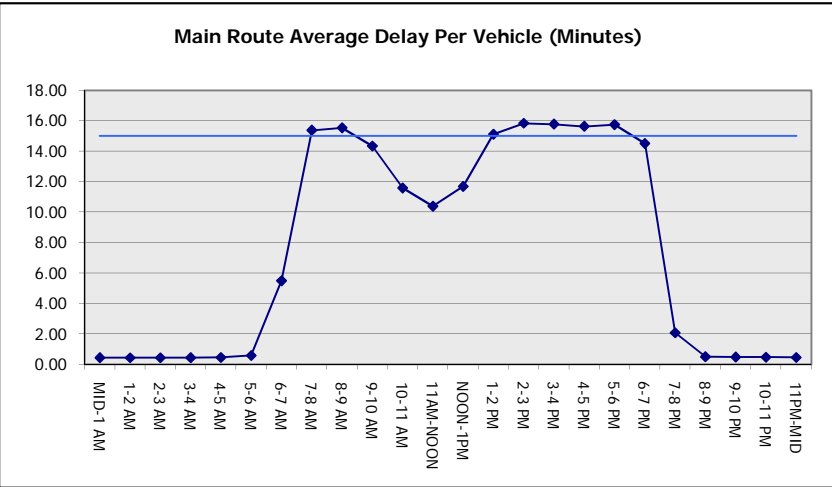
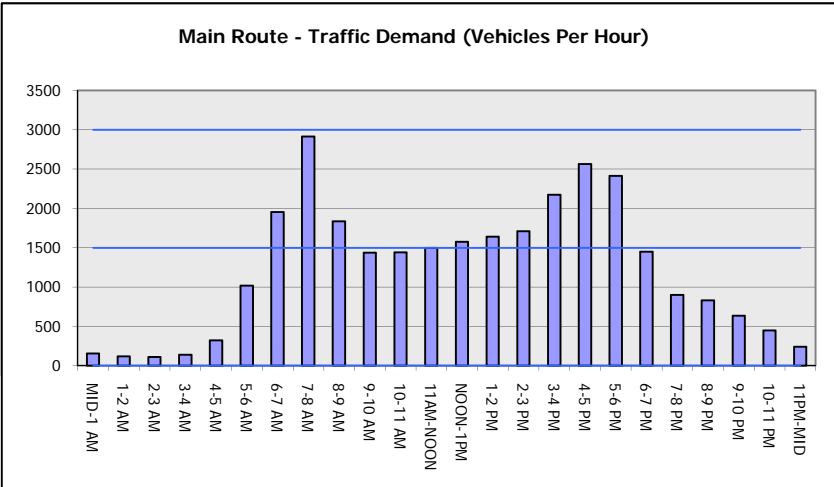
*Delays Exceeding User-Specified Maximum

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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	1500	791	0	0.50	0	64.9	57.5	42.4
6-7 AM	1726	0.0	1499	1726	0	2.66	61	63.2	37.9	30.8
7-8 AM	2451	0.0	1499	1703	748	15.04+	384	61.4	13.2	30.8
8-9 AM	1650	0.0	1500	1446	204	15.61+	394	63.3	12.9	30.8
9-10 AM	1412	0.0	1499	1412	0	13.54	338	63.8	14.4	30.8
10-11 AM	1412	0.0	1500	1412	0	9.93	241	63.8	18.1	30.8
11AM-NOON	1473	0.0	1500	1473	0	7.75	181	63.7	21.5	30.8
NOON-1PM	1555	0.0	1500	1555	0	8.21	194	63.5	20.7	30.8
1-2 PM	1652	0.0	1500	1652	0	11.64	290	63.3	16.1	30.8
2-3 PM	1969	0.0	1499	1500	469	15.80+	399	62.7	12.7	30.8
3-4 PM	2374	0.0	1500	1500	874	15.75+	400	62.0	12.7	30.8
4-5 PM	2871	0.0	1500	1500	1371	15.40+	400	57.1	12.7	30.8
5-6 PM	2432	0.0	1500	1500	932	15.72+	400	61.6	12.7	30.8
6-7 PM	1508	0.0	1500	1418	90	14.63+	369	63.6	13.5	30.8
7-8 PM	1058	0.0	1499	1058	0	3.29	114	64.4	35.0	37.5
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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0150
'DIVERSION'	0.0073

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$70,530
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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