

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

FRIDAY 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	171	0.0	1500	171	0	0.44	0	66.1	59.2	44.8	
1-2 AM	143	0.0	1500	143	0	0.44	0	66.1	59.3	44.9	
2-3 AM	152	0.0	1500	152	0	0.44	0	66.1	59.3	44.9	
3-4 AM	130	0.0	1500	130	0	0.44	0	66.1	59.4	45.0	
4-5 AM	352	0.0	1500	352	0	0.46	0	65.7	58.7	44.1	
5-6 AM	796	0.0	1500	796	0	0.50	0	64.9	57.5	42.4	
6-7 AM	1869	0.0	1499	1869	0	4.45	127	62.9	29.8	30.8	
7-8 AM	2623	0.0	1499	1500	1123	15.59+	399	59.6	12.7	30.8	
8-9 AM	1823	0.0	1500	1515	308	15.75+	398	63.0	12.7	30.8	
9-10 AM	1552	0.0	1500	1513	40	15.79+	398	63.5	12.7	30.8	
10-11 AM	1636	0.0	1500	1500	136	15.84+	400	63.3	12.7	30.8	
11AM-NOON	1682	0.0	1500	1500	182	15.83+	400	63.3	12.7	30.8	
NOON-1PM	1798	0.0	1500	1500	298	15.82+	400	63.0	12.7	30.8	
1-2 PM	1862	0.0	1500	1500	362	15.81+	400	62.9	12.7	30.8	
2-3 PM	1954	0.0	1500	1500	454	15.80+	400	62.7	12.7	30.8	
3-4 PM	2363	0.0	1500	1500	863	15.75+	400	62.0	12.7	30.8	
4-5 PM	2703	0.0	1500	1500	1203	15.53+	400	58.8	12.7	30.8	
5-6 PM	2323	0.0	1500	1500	823	15.75+	400	62.0	12.7	30.8	
6-7 PM	1573	0.0	1500	1456	117	15.36+	387	63.5	13.0	30.8	
7-8 PM	1033	0.0	1499	1033	0	4.34	156	64.5	30.6	36.8	
8-9 PM	758	0.0	1500	758	0	0.50	0	65.0	57.6	42.5	
9-10 PM	819	0.0	1500	819	0	0.50	0	64.8	57.4	42.3	
10-11 PM	657	0.0	1500	657	0	0.49	0	65.1	57.9	42.9	
11PM-MID	422	0.0	1500	422	0	0.46	0	65.6	58.6	43.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0152
'DIVERSION'	0.0091
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$87,793
CONGESTED HOURS PER DAY*	12

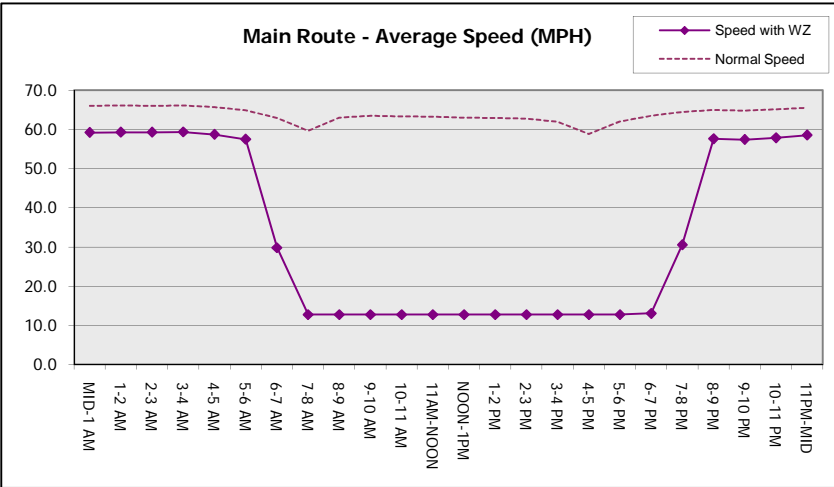
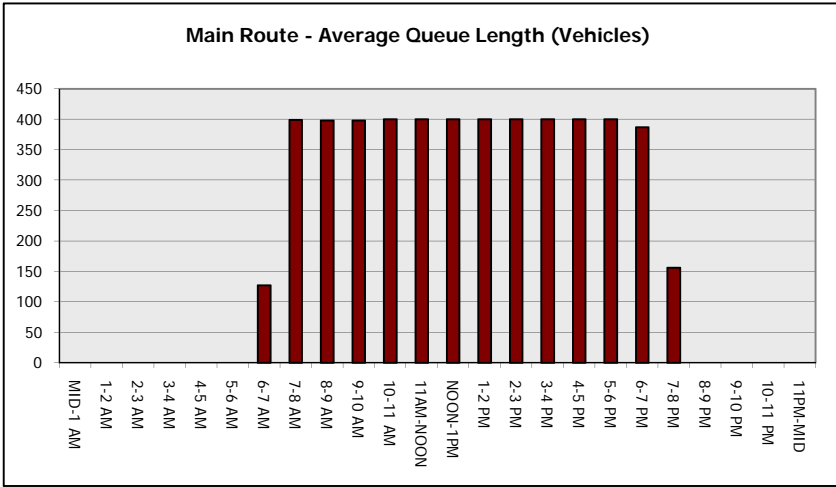
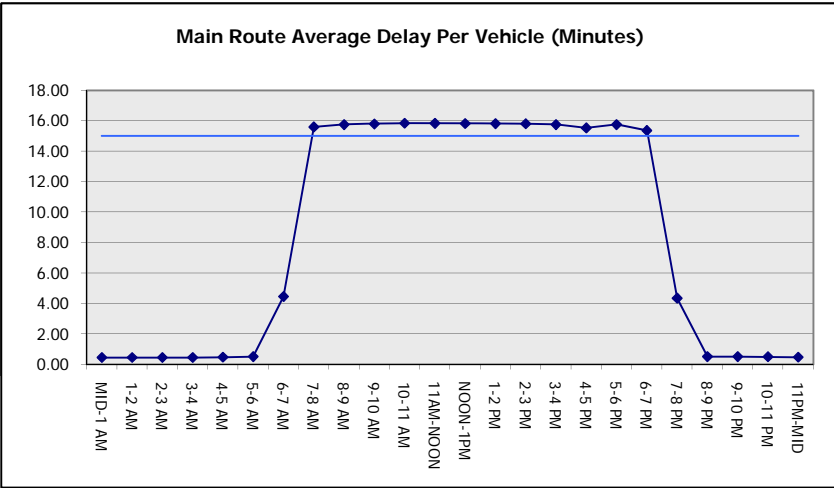
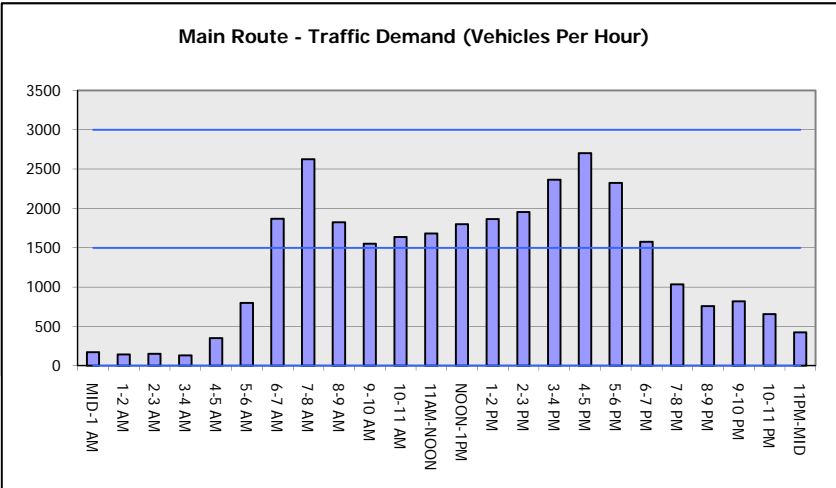
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



USH 41: STH 441 TO STH 55 (OUTAGMIE AND BROWN COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	207	0.0	1500	207	0	0.44	0	66.0	59.1	44.6
1-2 AM	122	0.0	1500	122	0	0.43	0	66.1	59.4	45.0
2-3 AM	181	0.0	1500	181	0	0.44	0	66.1	59.2	44.8
3-4 AM	125	0.0	1500	125	0	0.43	0	66.1	59.4	45.0
4-5 AM	251	0.0	1500	251	0	0.45	0	65.9	59.0	44.5
5-6 AM	740	0.0	1500	740	0	0.49	0	65.0	57.6	42.6
6-7 AM	1588	0.0	1499	1588	0	1.95	35	63.4	42.5	32.0
7-8 AM	2318	0.0	1500	1719	599	13.75+	360	62.0	14.2	33.2
8-9 AM	1635	0.0	1499	1533	102	15.52+	391	63.3	12.9	30.8
9-10 AM	1471	0.0	1499	1471	0	15.03+	377	63.7	13.3	30.8
10-11 AM	1706	0.0	1499	1528	178	15.70+	396	63.2	12.8	30.8
11AM-NOON	1772	0.0	1500	1500	272	15.82+	400	63.1	12.7	30.8
NOON-1PM	1898	0.0	1500	1500	398	15.81+	400	62.8	12.7	30.8
1-2 PM	2084	0.0	1500	1500	584	15.78+	400	62.5	12.7	30.8
2-3 PM	2320	0.0	1500	1500	820	15.76+	400	62.0	12.7	30.8
3-4 PM	2719	0.0	1500	1500	1219	15.52+	400	58.6	12.7	30.8
4-5 PM	2897	0.0	1500	1500	1397	15.38+	400	56.8	12.7	30.8
5-6 PM	2571	0.0	1500	1500	1071	15.63+	400	60.2	12.7	30.8
6-7 PM	1810	0.0	1500	1500	310	15.82+	400	63.0	12.7	30.8
7-8 PM	1441	0.0	1500	1439	2	15.19+	382	63.7	13.2	30.8
8-9 PM	1186	0.0	1499	1186	0	6.93	188	64.1	23.2	33.2
9-10 PM	1024	0.0	1500	1024	0	0.54	0	64.5	56.7	41.6
10-11 PM	700	0.0	1500	700	0	0.49	0	65.1	57.8	42.8
11PM-MID	438	0.0	1500	438	0	0.46	0	65.6	58.5	43.7

+ 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	0.0222
MAIN ROUTE WITH WORKS	0.0158
'DIVERSION'	0.0108

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$95,438
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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