

<b>USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	218	0.0	1500	218	0	0.44	0	66.0	60.9	44.6	
1-2 AM	131	0.0	1500	131	0	0.44	0	66.1	61.2	45.0	
2-3 AM	112	0.0	1500	112	0	0.43	0	66.2	61.2	45.0	
3-4 AM	179	0.0	1500	179	0	0.44	0	66.1	61.0	44.8	
4-5 AM	409	0.0	1500	409	0	0.46	0	65.6	60.4	43.8	
5-6 AM	1127	0.0	1499	1127	0	0.66	0	64.3	57.4	38.2	
6-7 AM	2136	0.0	1499	1988	148	7.83+	230	62.4	26.2	30.8	
7-8 AM	3063	0.0	1500	1500	1563	14.96+	400	55.1	16.6	31.5	
8-9 AM	2171	0.0	1499	1452	719	15.55+	395	62.3	16.6	31.1	
9-10 AM	1743	0.0	1499	1480	263	15.73+	397	63.2	16.6	30.8	
10-11 AM	1807	0.0	1500	1500	307	15.80+	400	63.0	16.5	30.8	
11AM-NOON	1886	0.0	1500	1500	386	15.79+	400	62.8	16.5	30.8	
NOON-1PM	2012	0.0	1500	1500	512	15.77+	400	62.7	16.5	30.8	
1-2 PM	2078	0.0	1500	1500	578	15.76+	400	62.5	16.5	30.8	
2-3 PM	2122	0.0	1500	1500	622	15.75+	400	62.4	16.5	30.8	
3-4 PM	2227	0.0	1500	1500	727	15.73+	400	62.2	16.5	30.8	
4-5 PM	2625	0.0	1500	1500	1125	15.48+	400	59.6	16.5	30.8	
5-6 PM	2695	0.0	1500	1500	1195	15.41+	400	58.9	16.5	30.8	
6-7 PM	1798	0.0	1500	1483	315	15.73+	398	63.0	16.6	30.8	
7-8 PM	1122	0.0	1499	1122	0	8.56	240	64.3	25.2	34.2	
8-9 PM	951	0.0	1500	951	0	0.53	0	64.6	58.9	41.9	
9-10 PM	772	0.0	1500	772	0	0.50	0	65.0	59.5	42.5	
10-11 PM	565	0.0	1500	565	0	0.48	0	65.3	60.1	43.3	
11PM-MID	432	0.0	1500	432	0	0.46	0	65.6	60.4	43.8	

+ 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	0.0323
MAIN ROUTE WITH WORKS	0.0226
'DIVERSION'	0.0184
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$96,637
CONGESTED HOURS PER DAY*	13

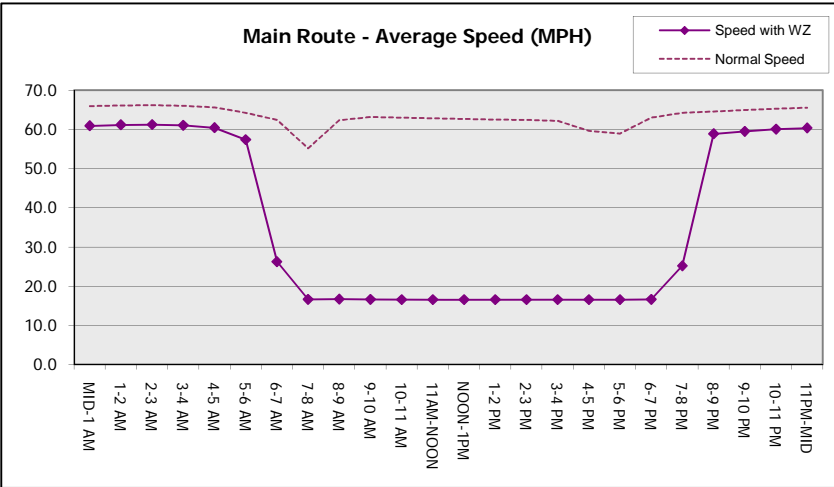
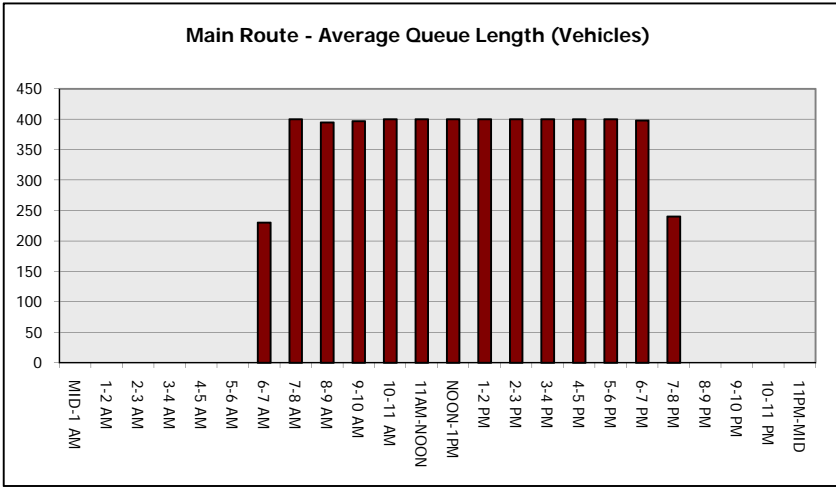
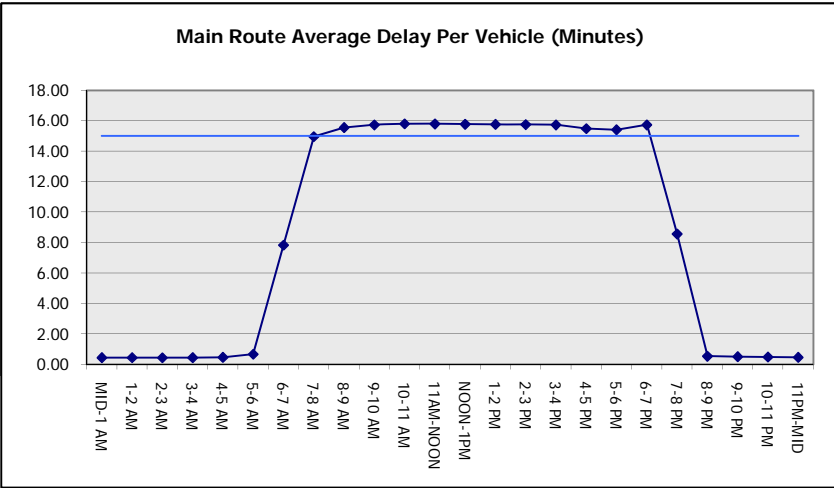
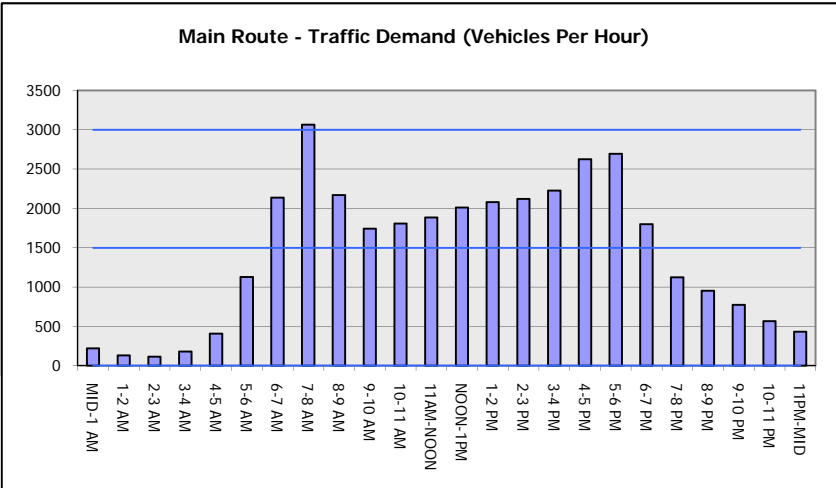
\*Delays Exceeding User-Specified Maximum

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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	226	0.0	1500	226	0	0.44	0	66.0	60.9	44.6	
1-2 AM	139	0.0	1500	139	0	0.44	0	66.1	61.2	45.0	
2-3 AM	137	0.0	1500	137	0	0.44	0	66.1	61.2	45.0	
3-4 AM	116	0.0	1500	116	0	0.43	0	66.2	61.2	45.0	
4-5 AM	237	0.0	1500	237	0	0.45	0	66.0	60.9	44.5	
5-6 AM	731	0.0	1500	731	0	0.49	0	65.0	59.6	42.7	
6-7 AM	1416	0.0	1499	1416	0	1.18	9	63.8	52.6	33.8	
7-8 AM	2016	0.0	1500	1873	144	9.88+	269	62.7	22.8	30.8	
8-9 AM	1585	0.0	1500	1482	103	15.76+	397	63.4	16.6	30.8	
9-10 AM	1498	0.0	1499	1498	0	15.54+	391	63.6	16.8	30.8	
10-11 AM	1597	0.0	1499	1501	97	15.83+	399	63.4	16.5	30.8	
11AM-NOON	1729	0.0	1500	1500	229	15.81+	400	63.2	16.5	30.8	
NOON-1PM	1850	0.0	1500	1500	350	15.79+	400	63.0	16.5	30.8	
1-2 PM	1939	0.0	1500	1500	439	15.78+	400	62.8	16.5	30.8	
2-3 PM	2276	0.0	1500	1500	776	15.72+	400	62.2	16.5	30.8	
3-4 PM	2678	0.0	1500	1500	1178	15.43+	400	59.1	16.5	30.8	
4-5 PM	3278	0.0	1500	1500	1778	14.73+	400	52.9	16.5	30.8	
5-6 PM	2837	0.0	1500	1500	1337	15.26+	400	57.4	16.5	30.8	
6-7 PM	1759	0.0	1500	1500	259	15.81+	400	63.1	16.5	30.8	
7-8 PM	1326	0.0	1499	1326	0	12.73+	320	63.9	19.4	30.8	
8-9 PM	1245	0.0	1500	1245	0	3.90	100	64.1	37.6	33.7	
9-10 PM	1051	0.0	1500	1051	0	0.52	0	64.4	58.8	41.5	
10-11 PM	696	0.0	1500	696	0	0.49	0	65.1	59.7	42.8	
11PM-MID	361	0.0	1500	361	0	0.46	0	65.7	60.5	44.0	

+ 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	0.0307
MAIN ROUTE WITH WORKS	0.0227
'DIVERSION'	0.0146

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,837
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

