

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	247	0.0	1500	247	0	0.50	0	70.2	52.9	44.5	
1-2 AM	153	0.0	1500	153	0	0.49	0	70.2	53.2	44.9	
2-3 AM	143	0.0	1500	143	0	0.49	0	70.2	53.2	44.9	
3-4 AM	176	0.0	1500	176	0	0.49	0	70.2	53.2	44.8	
4-5 AM	338	0.0	1500	338	0	0.51	0	70.2	52.6	44.2	
5-6 AM	1004	0.0	1499	1004	0	0.63	0	69.5	49.5	40.6	
6-7 AM	1810	0.0	1499	1810	0	3.65	102	68.5	20.7	30.8	
7-8 AM	2668	0.0	1499	1542	1126	17.11+	422	67.4	7.1	31.8	
8-9 AM	1923	0.0	1500	1556	367	16.74+	410	68.4	7.3	30.8	
9-10 AM	1627	0.0	1499	1501	127	16.97+	415	68.7	7.2	30.8	
10-11 AM	1740	0.0	1500	1501	239	16.98+	415	68.6	7.2	30.8	
11AM-NOON	1953	0.0	1500	1501	452	16.98+	416	68.3	7.2	30.8	
NOON-1PM	2147	0.0	1500	1501	647	16.99+	416	68.1	7.2	30.8	
1-2 PM	2384	0.0	1500	1501	883	16.99+	416	67.8	7.2	30.8	
2-3 PM	2601	0.0	1500	1503	1099	17.00+	417	67.5	7.2	30.8	
3-4 PM	2718	0.0	1500	1504	1214	17.05+	418	67.4	7.1	30.8	
4-5 PM	3138	0.0	1499	1504	1633	17.31+	425	66.8	7.1	30.8	
5-6 PM	2942	0.0	1500	1500	1442	17.20+	422	67.1	7.1	30.8	
6-7 PM	1927	0.0	1500	1499	428	16.98+	416	68.3	7.2	30.8	
7-8 PM	1475	0.0	1499	1453	23	16.59+	405	68.9	7.3	30.8	
8-9 PM	1412	0.0	1500	1412	0	14.00	338	69.0	8.0	30.8	
9-10 PM	1201	0.0	1499	1201	0	5.36	156	69.2	15.9	33.8	
10-11 PM	795	0.0	1500	795	0	0.56	0	69.7	51.1	42.4	
11PM-MID	495	0.0	1500	495	0	0.53	0	70.1	52.1	43.5	

+ 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	0.0106
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0064
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$117,192
CONGESTED HOURS PER DAY*	13

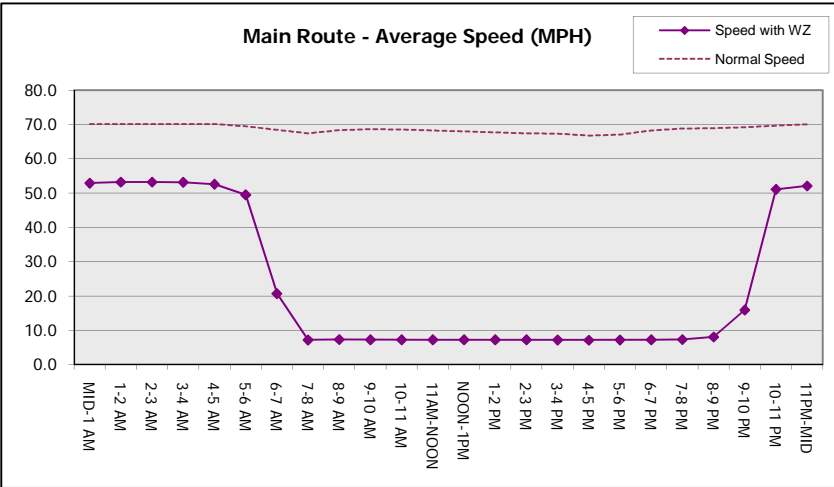
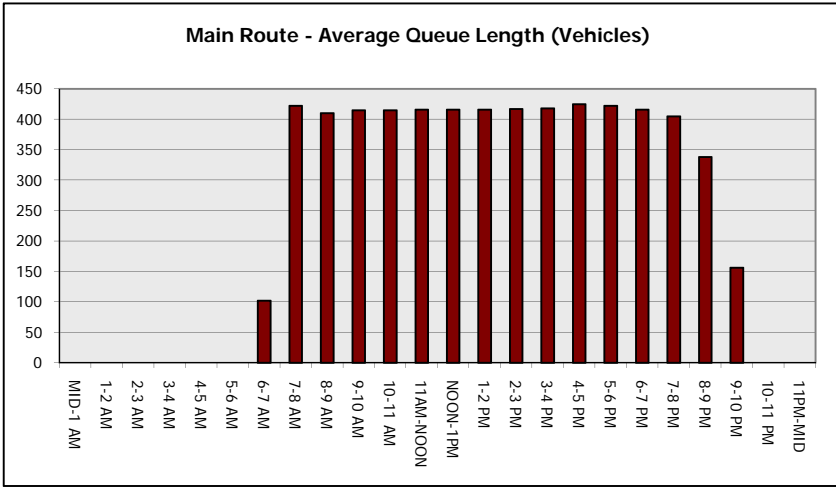
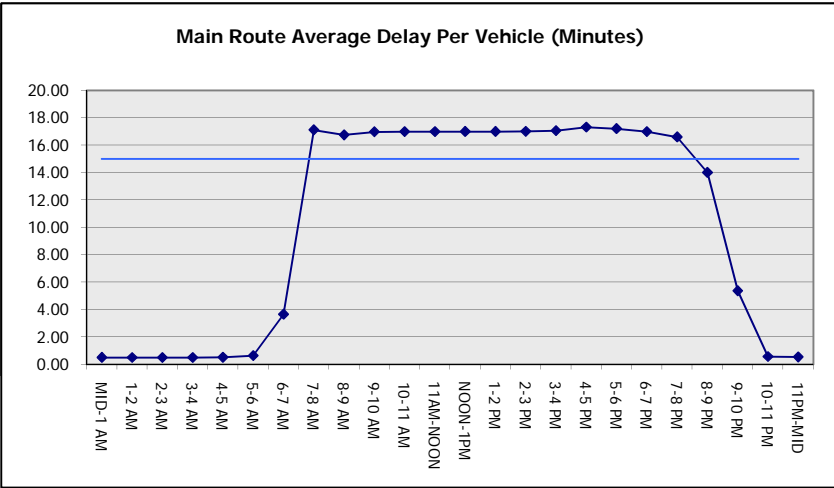
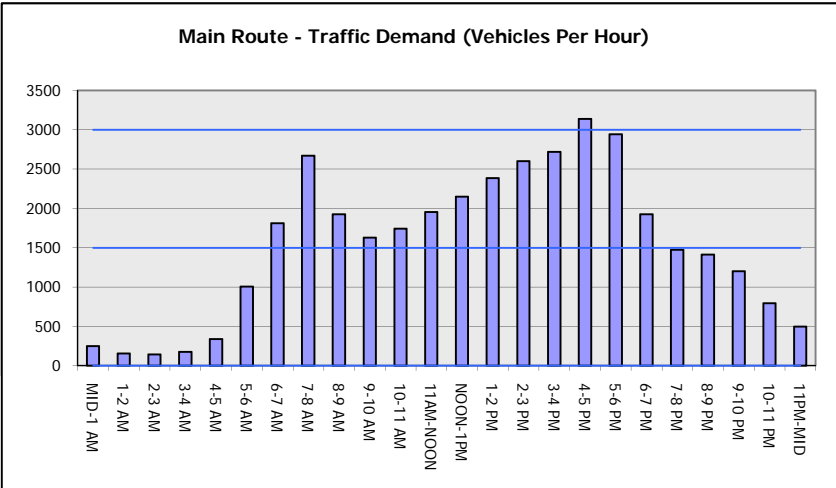
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR SOUTHBOUND DIRECTION



USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	199	0.0	1500	199	0	0.50	0	70.2	53.0	44.7
1-2 AM	148	0.0	1500	148	0	0.49	0	70.2	53.2	44.9
2-3 AM	132	0.0	1500	132	0	0.49	0	70.2	53.3	45.0
3-4 AM	144	0.0	1500	144	0	0.49	0	70.2	53.2	44.9
4-5 AM	312	0.0	1500	312	0	0.51	0	70.2	52.7	44.2
5-6 AM	866	0.0	1500	866	0	0.57	0	69.7	50.9	42.2
6-7 AM	1627	0.0	1499	1627	0	1.99	42	68.7	30.3	31.7
7-8 AM	2565	0.0	1500	1787	779	15.77+	393	67.6	7.5	31.7
8-9 AM	2025	0.0	1499	1496	529	16.98+	416	68.2	7.2	30.8
9-10 AM	1833	0.0	1499	1494	339	16.97+	415	68.4	7.2	30.8
10-11 AM	1961	0.0	1499	1497	464	16.98+	416	68.3	7.2	30.8
11AM-NOON	2137	0.0	1499	1497	640	16.99+	416	68.1	7.2	30.8
NOON-1PM	2174	0.0	1499	1498	676	16.99+	416	68.1	7.2	30.8
1-2 PM	2202	0.0	1499	1498	704	16.99+	416	68.0	7.2	30.8
2-3 PM	2382	0.0	1499	1498	884	16.99+	416	67.8	7.2	30.8
3-4 PM	2698	0.0	1499	1492	1206	17.07+	419	67.4	7.1	30.8
4-5 PM	3194	0.0	1499	1500	1694	17.33+	426	66.8	7.1	30.8
5-6 PM	2862	0.0	1500	1496	1366	17.15+	421	67.2	7.1	30.8
6-7 PM	1927	0.0	1500	1499	428	16.98+	416	68.3	7.2	30.8
7-8 PM	1230	0.0	1499	1230	0	12.68+	317	69.2	8.6	31.8
8-9 PM	955	0.0	1500	955	0	1.03	24	69.6	41.9	41.5
9-10 PM	725	0.0	1500	725	0	0.56	0	69.9	51.4	42.7
10-11 PM	592	0.0	1500	592	0	0.54	0	70.0	51.8	43.2
11PM-MID	382	0.0	1500	382	0	0.52	0	70.2	52.5	44.0

+ 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	0.0101
MAIN ROUTE WITH WORKS	0.0056
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$109,003
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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