

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	232	0.0	1500	232	0	0.50	0	70.2	53.0	44.5
1-2 AM	156	0.0	1500	156	0	0.49	0	70.2	53.2	44.8
2-3 AM	169	0.0	1500	169	0	0.49	0	70.2	53.2	44.8
3-4 AM	168	0.0	1500	168	0	0.49	0	70.2	53.2	44.8
4-5 AM	306	0.0	1500	306	0	0.51	0	70.2	52.7	44.3
5-6 AM	919	0.0	1499	919	0	0.58	0	69.6	50.7	42.0
6-7 AM	1791	0.0	1499	1791	0	3.17	88	68.5	22.8	30.8
7-8 AM	2739	0.0	1499	1553	1186	17.05+	421	67.3	7.2	32.2
8-9 AM	1917	0.0	1500	1561	356	16.71+	409	68.4	7.3	30.8
9-10 AM	1585	0.0	1499	1504	82	16.96+	415	68.7	7.2	30.8
10-11 AM	1671	0.0	1500	1501	170	16.97+	415	68.7	7.2	30.8
11AM-NOON	1917	0.0	1500	1501	416	16.98+	416	68.4	7.2	30.8
NOON-1PM	2132	0.0	1500	1501	632	16.99+	416	68.1	7.2	30.8
1-2 PM	2398	0.0	1500	1501	897	16.99+	416	67.8	7.2	30.8
2-3 PM	2489	0.0	1500	1500	989	16.99+	417	67.6	7.2	30.8
3-4 PM	2617	0.0	1500	1502	1114	17.01+	417	67.5	7.2	30.8
4-5 PM	2913	0.0	1499	1505	1408	17.17+	422	67.1	7.1	30.8
5-6 PM	2604	0.0	1500	1500	1104	17.03+	418	67.5	7.2	30.8
6-7 PM	1737	0.0	1500	1500	237	16.98+	415	68.6	7.2	30.8
7-8 PM	1311	0.0	1499	1311	0	13.90+	339	69.1	8.1	30.8
8-9 PM	1248	0.0	1500	1248	0	3.88	109	69.2	19.9	33.3
9-10 PM	1149	0.0	1500	1149	0	0.64	0	69.3	49.1	40.2
10-11 PM	851	0.0	1500	851	0	0.57	0	69.7	50.9	42.2
11PM-MID	511	0.0	1500	511	0	0.53	0	70.1	52.0	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

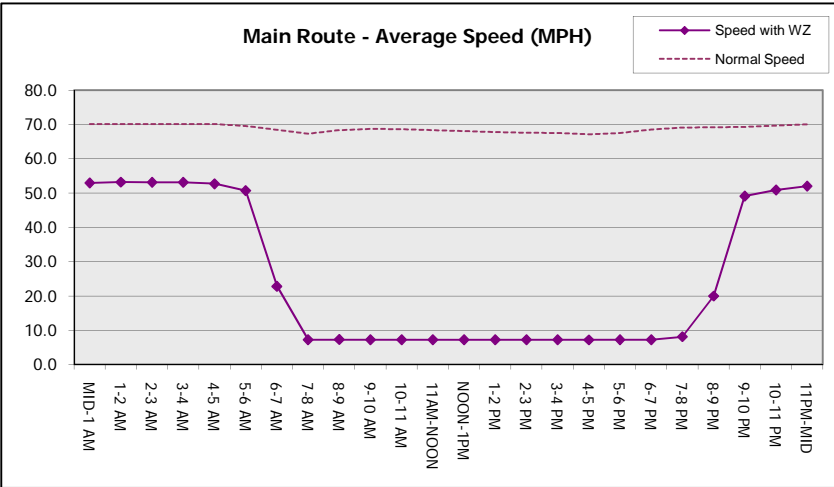
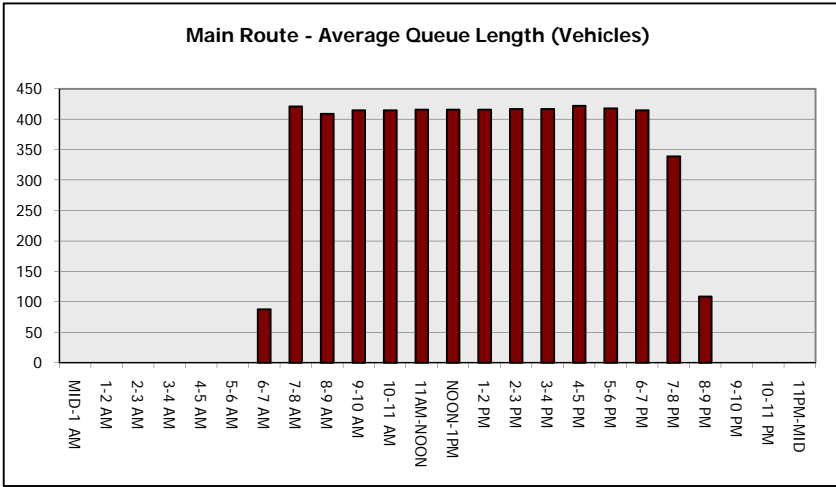
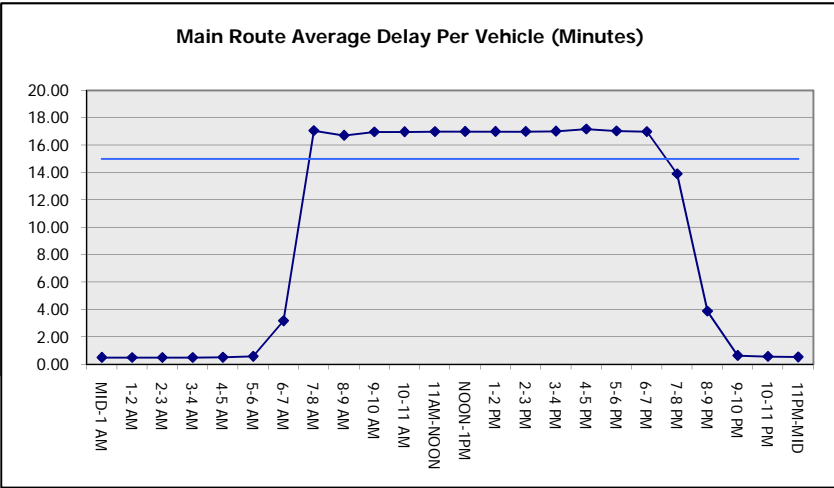
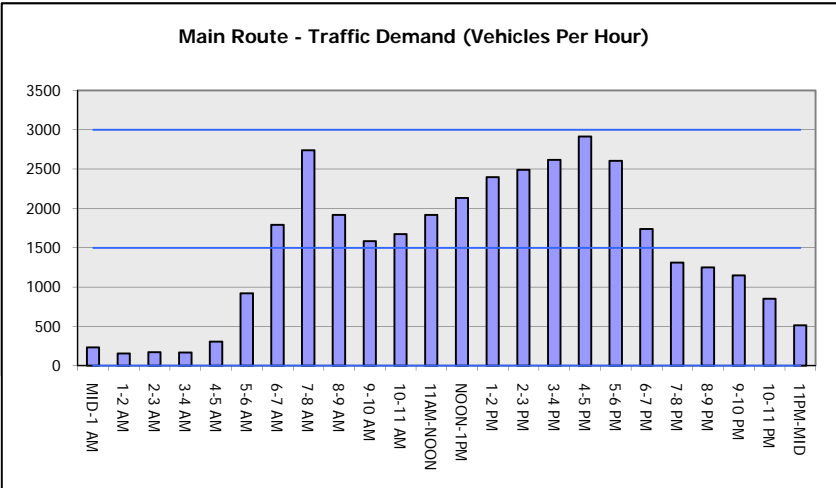
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0059
'DIVERSION'	0.0057
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$109,176
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	252	0.0	1500	252	0	0.50	0	70.2	52.9	44.5
1-2 AM	194	0.0	1500	194	0	0.50	0	70.2	53.1	44.7
2-3 AM	163	0.0	1500	163	0	0.49	0	70.2	53.2	44.8
3-4 AM	149	0.0	1500	149	0	0.49	0	70.2	53.2	44.9
4-5 AM	309	0.0	1500	309	0	0.51	0	70.2	52.7	44.3
5-6 AM	697	0.0	1500	697	0	0.55	0	69.9	51.4	42.8
6-7 AM	1429	0.0	1499	1429	0	1.36	18	68.9	36.9	34.5
7-8 AM	2442	0.0	1500	1920	522	13.96+	356	67.7	8.2	30.8
8-9 AM	1966	0.0	1499	1439	527	16.79+	411	68.3	7.2	30.8
9-10 AM	1814	0.0	1499	1498	316	16.98+	416	68.5	7.2	30.8
10-11 AM	1997	0.0	1499	1499	499	16.98+	416	68.2	7.2	30.8
11AM-NOON	2191	0.0	1499	1499	692	16.99+	416	68.0	7.2	30.8
NOON-1PM	2256	0.0	1499	1499	757	16.99+	416	67.9	7.2	30.8
1-2 PM	2239	0.0	1499	1499	740	16.99+	416	67.9	7.2	30.8
2-3 PM	2640	0.0	1499	1497	1143	17.03+	418	67.4	7.2	30.8
3-4 PM	3015	0.0	1499	1501	1514	17.24+	424	67.0	7.1	30.8
4-5 PM	3361	0.0	1499	1500	1861	17.32+	426	66.6	7.1	30.8
5-6 PM	2906	0.0	1500	1498	1408	17.17+	422	67.1	7.1	30.8
6-7 PM	2241	0.0	1500	1499	742	16.99+	416	67.9	7.2	30.8
7-8 PM	1721	0.0	1500	1499	222	16.98+	415	68.6	7.2	30.8
8-9 PM	1300	0.0	1499	1300	0	14.05+	344	69.1	8.0	30.8
9-10 PM	984	0.0	1500	984	0	1.57	54	69.5	34.6	39.9
10-11 PM	790	0.0	1500	790	0	0.56	0	69.7	51.1	42.4
11PM-MID	558	0.0	1500	558	0	0.54	0	70.0	51.9	43.3

+ 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	0.0108
MAIN ROUTE WITH WORKS	0.0059
'DIVERSION'	0.0073

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$121,712
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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