

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

SATURDAY 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	317	0.0	1500	317	0	0.51	0	70.2	52.7	44.2	
1-2 AM	205	0.0	1500	205	0	0.50	0	70.2	53.0	44.6	
2-3 AM	181	0.0	1500	181	0	0.49	0	70.2	53.1	44.8	
3-4 AM	124	0.0	1500	124	0	0.49	0	70.2	53.3	45.0	
4-5 AM	181	0.0	1500	181	0	0.49	0	70.2	53.1	44.8	
5-6 AM	315	0.0	1500	315	0	0.51	0	70.2	52.7	44.2	
6-7 AM	535	0.0	1500	535	0	0.54	0	70.0	52.0	43.3	
7-8 AM	869	0.0	1500	869	0	0.57	0	69.7	50.9	42.2	
8-9 AM	1182	0.0	1500	1182	0	0.68	0	69.2	48.2	39.1	
9-10 AM	1357	0.0	1499	1357	0	0.91	0	69.1	43.7	34.1	
10-11 AM	1619	0.0	1499	1619	0	2.71	49	68.7	25.2	30.8	
11AM-NOON	1669	0.0	1499	1669	0	8.41	198	68.7	11.1	30.8	
NOON-1PM	1794	0.0	1500	1640	154	15.80+	387	68.5	7.5	30.8	
1-2 PM	1769	0.0	1499	1499	270	16.98+	415	68.6	7.2	30.8	
2-3 PM	1833	0.0	1499	1499	335	16.98+	416	68.4	7.2	30.8	
3-4 PM	1850	0.0	1499	1499	351	16.98+	416	68.4	7.2	30.8	
4-5 PM	1745	0.0	1500	1499	246	16.98+	415	68.6	7.2	30.8	
5-6 PM	1701	0.0	1499	1499	201	16.98+	415	68.6	7.2	30.8	
6-7 PM	1368	0.0	1499	1368	0	15.31+	374	69.1	7.6	30.8	
7-8 PM	1171	0.0	1499	1171	0	4.17	137	69.3	19.1	34.6	
8-9 PM	1102	0.0	1500	1102	0	0.60	0	69.4	50.1	41.3	
9-10 PM	1058	0.0	1500	1058	0	0.59	0	69.4	50.2	41.5	
10-11 PM	769	0.0	1500	769	0	0.56	0	69.8	51.2	42.5	
11PM-MID	467	0.0	1500	467	0	0.53	0	70.2	52.2	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

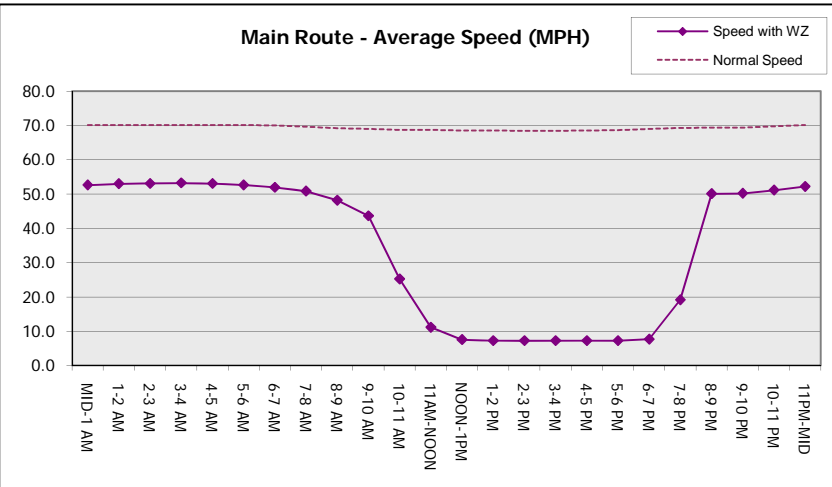
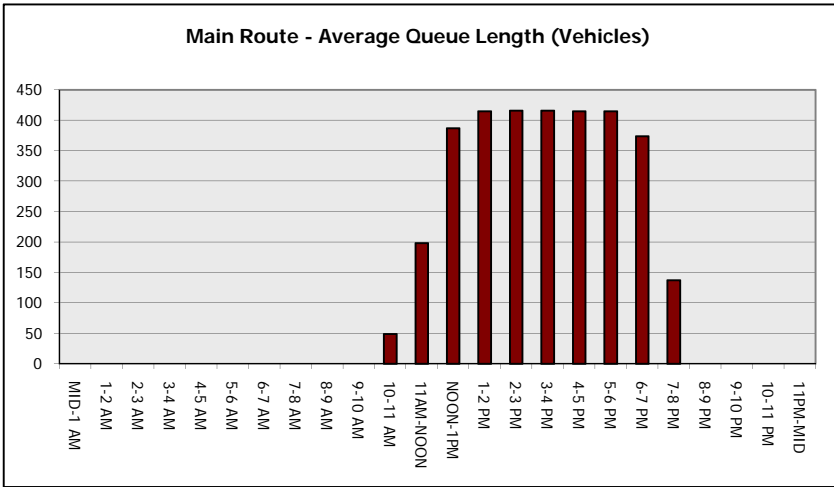
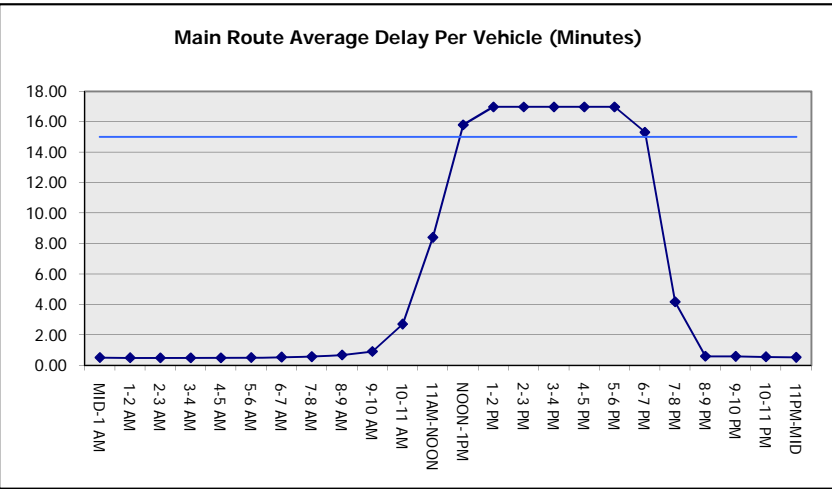
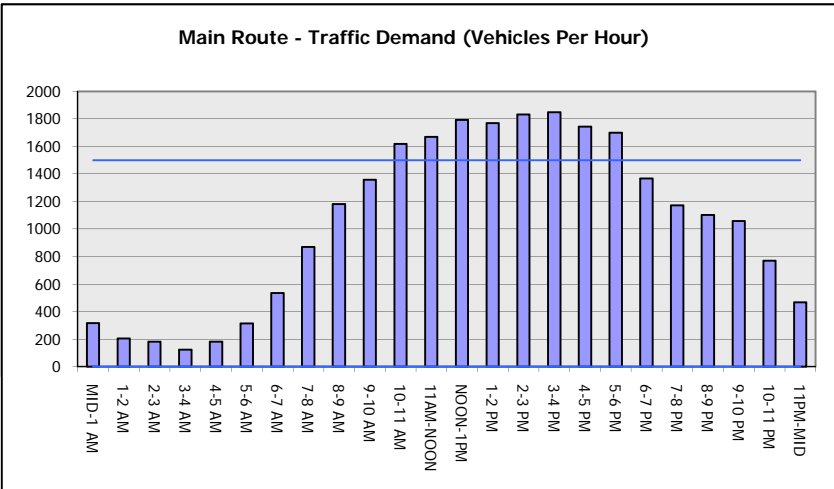
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0072
MAIN ROUTE WITH WORKS	0.0052
'DIVERSION'	0.0010
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$64,424
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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

SATURDAY 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	328	0.0	1500	328	0	0.51	0	70.2	52.7	44.2
1-2 AM	223	0.0	1500	223	0	0.50	0	70.2	53.0	44.6
2-3 AM	184	0.0	1500	184	0	0.49	0	70.2	53.1	44.8
3-4 AM	123	0.0	1500	123	0	0.49	0	70.2	53.3	45.0
4-5 AM	149	0.0	1500	149	0	0.49	0	70.2	53.2	44.9
5-6 AM	264	0.0	1500	264	0	0.50	0	70.2	52.8	44.4
6-7 AM	527	0.0	1500	527	0	0.54	0	70.0	52.0	43.4
7-8 AM	911	0.0	1500	911	0	0.58	0	69.6	50.7	42.0
8-9 AM	1304	0.0	1499	1304	0	0.84	0	69.1	45.0	35.5
9-10 AM	1599	0.0	1499	1599	0	2.04	30	68.7	29.9	30.8
10-11 AM	1894	0.0	1500	1886	8	10.82+	279	68.4	9.6	30.8
11AM-NOON	2090	0.0	1500	1461	629	16.87+	413	68.1	7.2	30.8
NOON-1PM	2120	0.0	1499	1497	623	16.99+	416	68.1	7.2	30.8
1-2 PM	2015	0.0	1499	1497	517	16.98+	416	68.2	7.2	30.8
2-3 PM	1994	0.0	1499	1498	496	16.98+	416	68.2	7.2	30.8
3-4 PM	1885	0.0	1499	1498	387	16.98+	416	68.4	7.2	30.8
4-5 PM	1855	0.0	1499	1498	357	16.98+	416	68.4	7.2	30.8
5-6 PM	1734	0.0	1499	1498	235	16.98+	415	68.6	7.2	30.8
6-7 PM	1456	0.0	1499	1412	44	16.08+	392	68.9	7.4	30.8
7-8 PM	1096	0.0	1499	1096	0	4.45	165	69.4	18.6	35.8
8-9 PM	849	0.0	1500	849	0	0.57	0	69.7	50.9	42.2
9-10 PM	724	0.0	1500	724	0	0.56	0	69.9	51.4	42.7
10-11 PM	620	0.0	1500	620	0	0.55	0	70.0	51.7	43.0
11PM-MID	432	0.0	1500	432	0	0.53	0	70.2	52.4	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	0.0076
MAIN ROUTE WITH WORKS	0.0051
'DIVERSION'	0.0022

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,072
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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