

<b>USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	359	0.0	1500	359	0	0.46	0	65.7	60.5	44.0	
1-2 AM	178	0.0	1500	178	0	0.44	0	66.1	61.0	44.8	
2-3 AM	204	0.0	1500	204	0	0.44	0	66.0	61.0	44.6	
3-4 AM	127	0.0	1500	127	0	0.43	0	66.1	61.2	45.0	
4-5 AM	125	0.0	1500	125	0	0.43	0	66.1	61.2	45.0	
5-6 AM	214	0.0	1500	214	0	0.44	0	66.0	60.9	44.6	
6-7 AM	326	0.0	1500	326	0	0.45	0	65.8	60.7	44.2	
7-8 AM	513	0.0	1500	513	0	0.47	0	65.5	60.2	43.5	
8-9 AM	845	0.0	1500	845	0	0.50	0	64.8	59.3	42.2	
9-10 AM	1229	0.0	1499	1229	0	0.67	0	64.1	57.1	37.8	
10-11 AM	1691	0.0	1499	1691	0	3.69	81	63.2	38.1	30.8	
11AM-NOON	1673	0.0	1499	1673	0	10.74	267	63.3	21.7	30.8	
NOON-1PM	2009	0.0	1499	1500	509	15.77+	399	62.7	16.5	30.8	
1-2 PM	1898	0.0	1500	1500	398	15.79+	400	62.8	16.5	30.8	
2-3 PM	1793	0.0	1500	1504	289	15.79+	399	63.0	16.5	30.8	
3-4 PM	1797	0.0	1499	1500	297	15.80+	399	63.0	16.5	30.8	
4-5 PM	1726	0.0	1500	1509	217	15.77+	398	63.2	16.6	30.8	
5-6 PM	1639	0.0	1499	1526	113	15.71+	396	63.3	16.6	30.8	
6-7 PM	1275	0.0	1499	1275	0	12.13+	308	64.0	20.1	31.0	
7-8 PM	1061	0.0	1500	1061	0	1.76	42	64.4	48.8	39.1	
8-9 PM	726	0.0	1500	726	0	0.49	0	65.0	59.6	42.7	
9-10 PM	586	0.0	1500	586	0	0.48	0	65.3	60.0	43.2	
10-11 PM	362	0.0	1500	362	0	0.46	0	65.7	60.5	44.0	
11PM-MID	216	0.0	1500	216	0	0.44	0	66.0	60.9	44.6	

+ 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

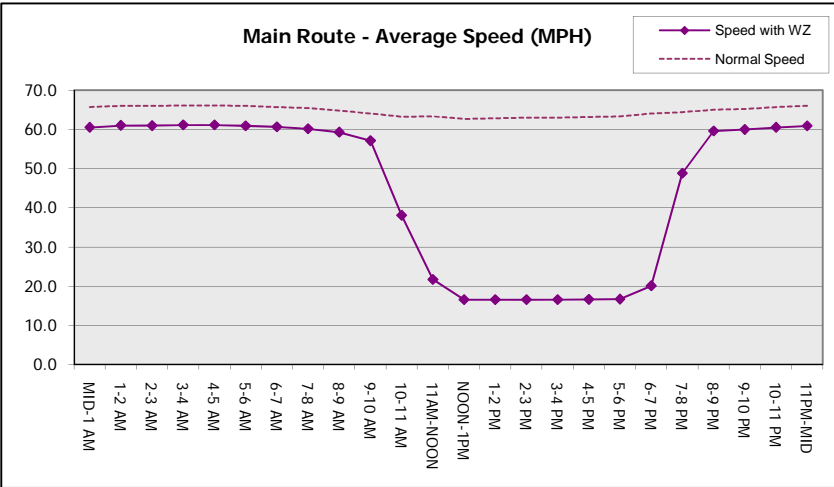
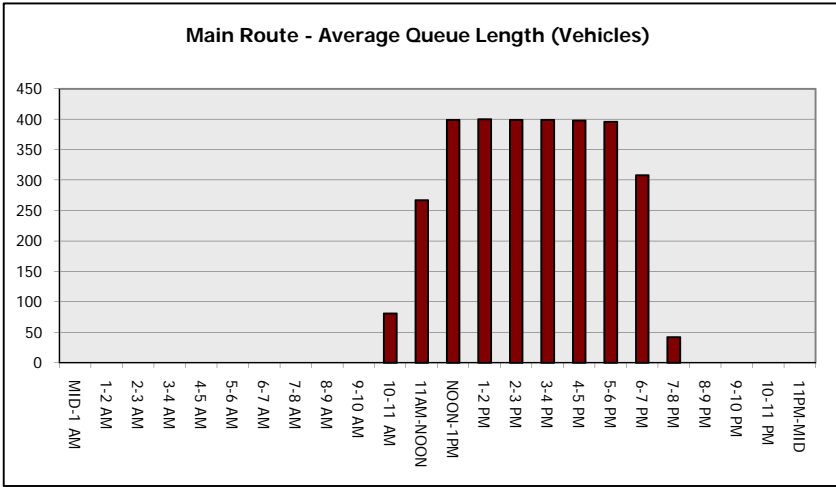
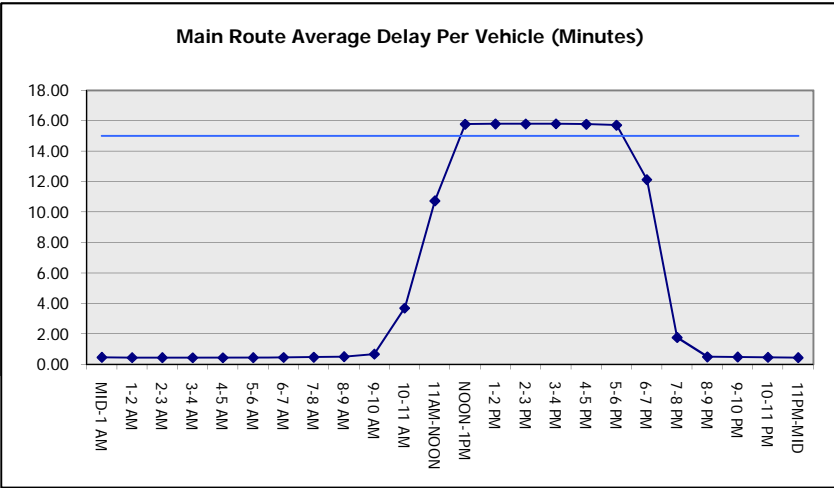
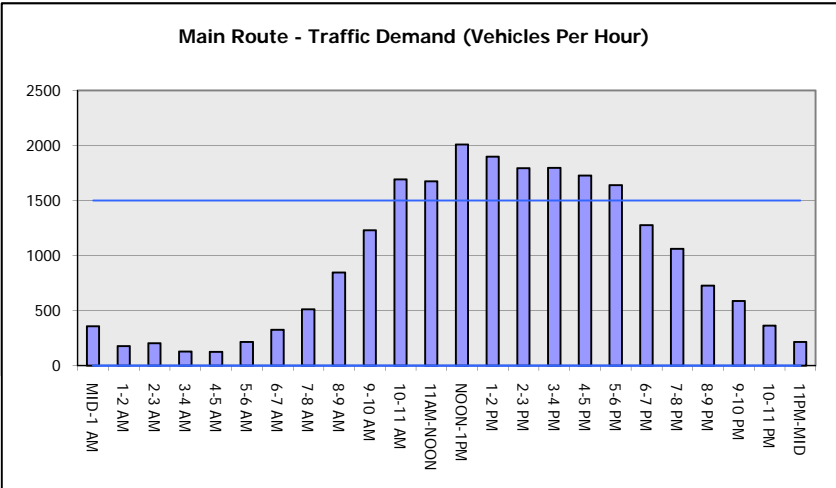
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0212
MAIN ROUTE WITH WORKS	0.0181
'DIVERSION'	0.0040
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$60,783
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	313	0.0	1500	313	0	0.45	0	65.8	60.7	44.2
1-2 AM	198	0.0	1500	198	0	0.44	0	66.0	61.0	44.7
2-3 AM	213	0.0	1500	213	0	0.44	0	66.0	61.0	44.6
3-4 AM	108	0.0	1500	108	0	0.43	0	66.2	61.2	45.1
4-5 AM	103	0.0	1500	103	0	0.43	0	66.2	61.2	45.1
5-6 AM	181	0.0	1500	181	0	0.44	0	66.1	61.0	44.8
6-7 AM	235	0.0	1500	235	0	0.45	0	66.0	60.9	44.5
7-8 AM	407	0.0	1500	407	0	0.46	0	65.6	60.4	43.8
8-9 AM	607	0.0	1500	607	0	0.48	0	65.3	59.9	43.1
9-10 AM	951	0.0	1500	951	0	0.51	0	64.6	59.1	41.9
10-11 AM	1219	0.0	1499	1219	0	0.66	0	64.1	57.3	38.0
11AM-NOON	1504	0.0	1499	1504	0	1.30	9	63.6	51.5	31.5
NOON-1PM	1795	0.0	1500	1795	0	6.99	178	63.0	28.1	30.8
1-2 PM	1724	0.0	1499	1586	138	15.44+	390	63.2	16.8	30.8
2-3 PM	1861	0.0	1500	1500	361	15.79+	400	62.9	16.5	30.8
3-4 PM	1978	0.0	1500	1500	478	15.77+	400	62.7	16.5	30.8
4-5 PM	1893	0.0	1500	1500	393	15.79+	400	62.8	16.5	30.8
5-6 PM	1689	0.0	1500	1492	197	15.79+	399	63.2	16.6	30.8
6-7 PM	1487	0.0	1499	1452	36	15.44+	389	63.6	16.8	30.8
7-8 PM	1218	0.0	1499	1218	0	9.17	238	64.1	24.1	32.2
8-9 PM	977	0.0	1500	977	0	0.74	7	64.6	56.9	41.7
9-10 PM	577	0.0	1500	577	0	0.48	0	65.3	60.0	43.2
10-11 PM	465	0.0	1500	465	0	0.47	0	65.5	60.3	43.7
11PM-MID	236	0.0	1500	236	0	0.45	0	66.0	60.9	44.5

+ 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	0.0206
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0035

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,194
CONGESTED HOURS PER DAY*	6

\*Delays Exceeding User-Specified Maximum

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