

<b>USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>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	OFF	1229	0	0.00	0	64.1	64.1	64.1
10-11 AM	1691	0.0	OFF	1691	0	0.00	0	63.2	63.2	63.2
11AM-NOON	1673	0.0	OFF	1673	0	0.00	0	63.3	63.3	63.3
NOON-1PM	2009	0.0	OFF	2009	0	0.00	0	62.7	62.7	62.7
1-2 PM	1898	0.0	OFF	1898	0	0.00	0	62.8	62.8	62.8
2-3 PM	1793	0.0	OFF	1793	0	0.00	0	63.0	63.0	63.0
3-4 PM	1797	0.0	OFF	1797	0	0.00	0	63.0	63.0	63.0
4-5 PM	1726	0.0	OFF	1726	0	0.00	0	63.2	63.2	63.2
5-6 PM	1639	0.0	OFF	1639	0	0.00	0	63.3	63.3	63.3
6-7 PM	1275	0.0	OFF	1275	0	0.00	0	64.0	64.0	64.0
7-8 PM	1061	0.0	1500	1061	0	0.52	0	64.4	58.8	41.5
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0208
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$664
CONGESTED HOURS PER DAY*	0

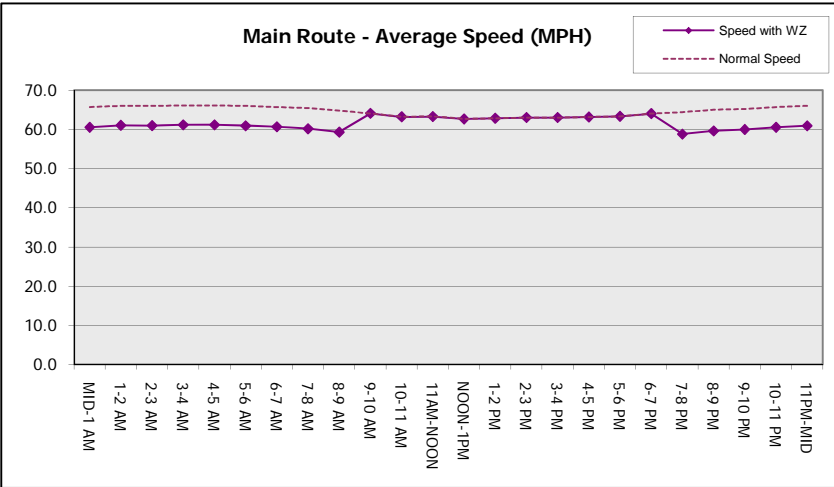
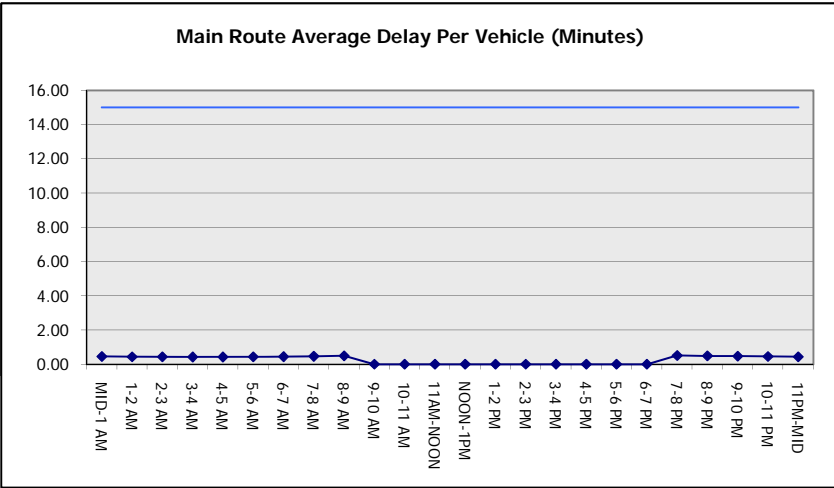
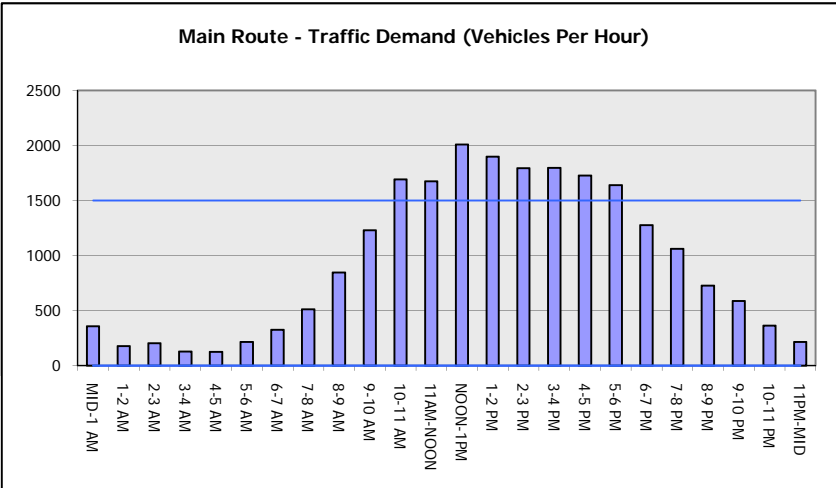
\*Delays Exceeding User-Specified Maximum

**USH 41: STH 15 TO STH 441 (OUTAGAMIE COUNTY)  
NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**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)</b> <b>NIGHTTIME CLOSURE</b> <b>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	OFF	951	0	0.00	0	64.6	64.6	64.6
10-11 AM	1219	0.0	OFF	1219	0	0.00	0	64.1	64.1	64.1
11AM-NOON	1504	0.0	OFF	1504	0	0.00	0	63.6	63.6	63.6
NOON-1PM	1795	0.0	OFF	1795	0	0.00	0	63.0	63.0	63.0
1-2 PM	1724	0.0	OFF	1724	0	0.00	0	63.2	63.2	63.2
2-3 PM	1861	0.0	OFF	1861	0	0.00	0	62.9	62.9	62.9
3-4 PM	1978	0.0	OFF	1978	0	0.00	0	62.7	62.7	62.7
4-5 PM	1893	0.0	OFF	1893	0	0.00	0	62.8	62.8	62.8
5-6 PM	1689	0.0	OFF	1689	0	0.00	0	63.2	63.2	63.2
6-7 PM	1487	0.0	OFF	1487	0	0.00	0	63.6	63.6	63.6
7-8 PM	1218	0.0	1500	1218	0	0.66	0	64.1	57.3	37.9
8-9 PM	977	0.0	1500	977	0	0.52	0	64.6	59.0	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0202
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$710
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

