

<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**

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	144	0.0	1500	144	0	0.44	0	66.1	61.1	44.9
1-2 AM	110	0.0	1500	110	0	0.43	0	66.2	61.2	45.0
2-3 AM	114	0.0	1500	114	0	0.43	0	66.2	61.2	45.0
3-4 AM	148	0.0	1500	148	0	0.44	0	66.1	61.1	44.9
4-5 AM	386	0.0	1500	386	0	0.46	0	65.6	60.5	44.0
5-6 AM	1196	0.0	OFF	1196	0	0.00	0	64.1	64.1	64.1
6-7 AM	2452	0.0	OFF	2452	0	0.00	0	61.4	61.4	61.4
7-8 AM	3808	0.0	OFF	3808	0	0.00	0	47.5	47.5	47.5
8-9 AM	2120	0.0	OFF	2120	0	0.00	0	62.4	62.4	62.4
9-10 AM	1702	0.0	OFF	1702	0	0.00	0	63.2	63.2	63.2
10-11 AM	1673	0.0	OFF	1673	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1763	0.0	OFF	1763	0	0.00	0	63.1	63.1	63.1
NOON-1PM	1852	0.0	OFF	1852	0	0.00	0	62.9	62.9	62.9
1-2 PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8
2-3 PM	1974	0.0	OFF	1974	0	0.00	0	62.7	62.7	62.7
3-4 PM	2453	0.0	OFF	2453	0	0.00	0	61.4	61.4	61.4
4-5 PM	2805	0.0	OFF	2805	0	0.00	0	57.8	57.8	57.8
5-6 PM	2708	0.0	OFF	2708	0	0.00	0	58.7	58.7	58.7
6-7 PM	1728	0.0	OFF	1728	0	0.00	0	63.2	63.2	63.2
7-8 PM	1106	0.0	1500	1106	0	0.53	0	64.3	58.7	41.3
8-9 PM	957	0.0	1500	957	0	0.51	0	64.6	59.1	41.9
9-10 PM	715	0.0	1500	715	0	0.49	0	65.1	59.7	42.7
10-11 PM	458	0.0	1500	458	0	0.47	0	65.5	60.3	43.7
11PM-MID	252	0.0	1500	252	0	0.45	0	65.9	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

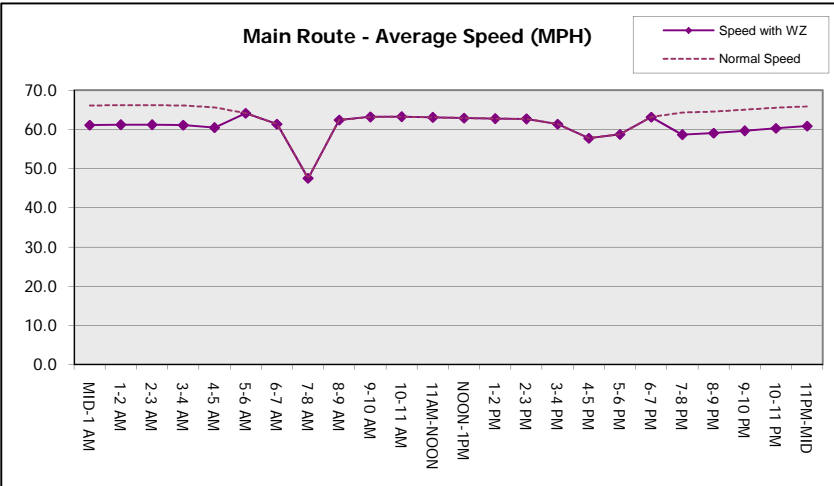
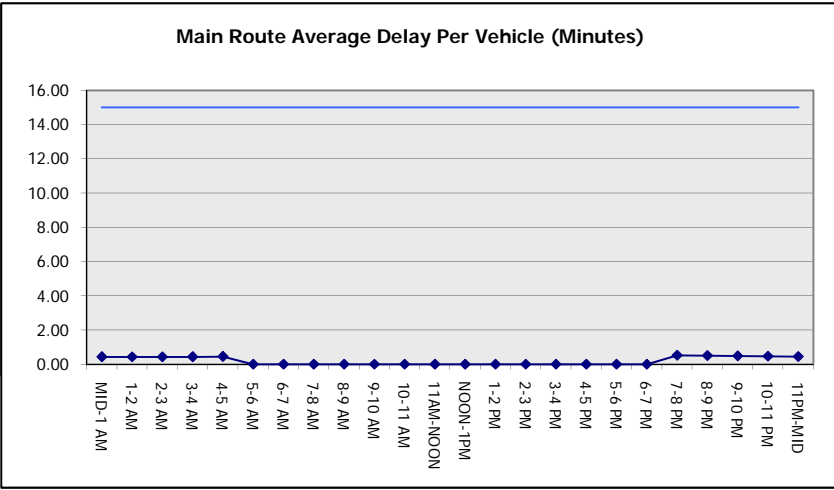
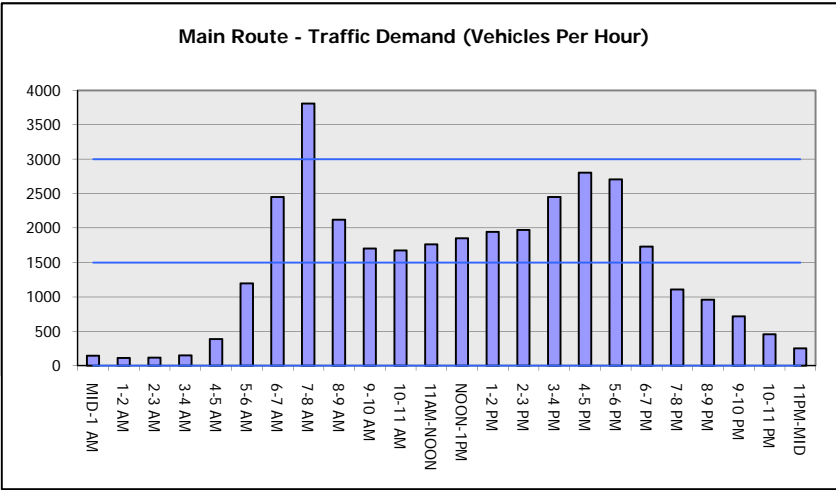
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0322
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$457
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



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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	195	0.0	1500	195	0	0.44	0	66.0	61.0	44.7
1-2 AM	122	0.0	1500	122	0	0.43	0	66.1	61.2	45.0
2-3 AM	130	0.0	1500	130	0	0.44	0	66.1	61.2	45.0
3-4 AM	109	0.0	1500	109	0	0.43	0	66.2	61.2	45.0
4-5 AM	266	0.0	1500	266	0	0.45	0	65.9	60.8	44.4
5-6 AM	740	0.0	OFF	740	0	0.00	0	65.0	65.0	65.0
6-7 AM	1605	0.0	OFF	1605	0	0.00	0	63.4	63.4	63.4
7-8 AM	2412	0.0	OFF	2412	0	0.00	0	61.8	61.8	61.8
8-9 AM	1767	0.0	OFF	1767	0	0.00	0	63.1	63.1	63.1
9-10 AM	1515	0.0	OFF	1515	0	0.00	0	63.6	63.6	63.6
10-11 AM	1600	0.0	OFF	1600	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1744	0.0	OFF	1744	0	0.00	0	63.2	63.2	63.2
NOON-1PM	1833	0.0	OFF	1833	0	0.00	0	63.0	63.0	63.0
1-2 PM	1927	0.0	OFF	1927	0	0.00	0	62.8	62.8	62.8
2-3 PM	2405	0.0	OFF	2405	0	0.00	0	61.9	61.9	61.9
3-4 PM	3108	0.0	OFF	3108	0	0.00	0	54.6	54.6	54.6
4-5 PM	3713	0.0	OFF	3713	0	0.00	0	48.4	48.4	48.4
5-6 PM	3195	0.0	OFF	3195	0	0.00	0	53.8	53.8	53.8
6-7 PM	1973	0.0	OFF	1973	0	0.00	0	62.7	62.7	62.7
7-8 PM	1394	0.0	1500	1394	0	0.89	0	63.8	55.0	33.1
8-9 PM	1302	0.0	1500	1302	0	0.77	0	64.0	56.1	35.5
9-10 PM	1026	0.0	1500	1026	0	0.52	0	64.5	58.9	41.6
10-11 PM	571	0.0	1500	571	0	0.48	0	65.3	60.1	43.2
11PM-MID	306	0.0	1500	306	0	0.45	0	65.8	60.7	44.3

"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	0.0328
MAIN ROUTE WITH WORKS	0.0325
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$754
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT  
MON-THUR NORTHBOUND DIRECTION**

