

<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**

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	147	0.0	1500	147	0	0.44	0	66.1	61.1	44.9	
1-2 AM	141	0.0	1500	141	0	0.44	0	66.1	61.2	44.9	
2-3 AM	157	0.0	1500	157	0	0.44	0	66.1	61.1	44.8	
3-4 AM	157	0.0	1500	157	0	0.44	0	66.1	61.1	44.8	
4-5 AM	442	0.0	1500	442	0	0.47	0	65.6	60.4	43.7	
5-6 AM	944	0.0	OFF	944	0	0.00	0	64.6	64.6	64.6	
6-7 AM	2306	0.0	OFF	2306	0	0.00	0	62.1	62.1	62.1	
7-8 AM	3620	0.0	OFF	3620	0	0.00	0	49.4	49.4	49.4	
8-9 AM	2355	0.0	OFF	2355	0	0.00	0	62.0	62.0	62.0	
9-10 AM	1831	0.0	OFF	1831	0	0.00	0	63.0	63.0	63.0	
10-11 AM	1917	0.0	OFF	1917	0	0.00	0	62.8	62.8	62.8	
11AM-NOON	1968	0.0	OFF	1968	0	0.00	0	62.7	62.7	62.7	
NOON-1PM	2138	0.0	OFF	2138	0	0.00	0	62.4	62.4	62.4	
1-2 PM	2220	0.0	OFF	2220	0	0.00	0	62.2	62.2	62.2	
2-3 PM	2335	0.0	OFF	2335	0	0.00	0	62.0	62.0	62.0	
3-4 PM	2750	0.0	OFF	2750	0	0.00	0	58.3	58.3	58.3	
4-5 PM	3081	0.0	OFF	3081	0	0.00	0	55.0	55.0	55.0	
5-6 PM	2755	0.0	OFF	2755	0	0.00	0	58.3	58.3	58.3	
6-7 PM	1950	0.0	OFF	1950	0	0.00	0	62.8	62.8	62.8	
7-8 PM	1268	0.0	1500	1268	0	0.72	0	64.0	56.6	36.4	
8-9 PM	976	0.0	1500	976	0	0.52	0	64.6	59.0	41.8	
9-10 PM	898	0.0	1500	898	0	0.51	0	64.7	59.2	42.0	
10-11 PM	689	0.0	1500	689	0	0.49	0	65.1	59.7	42.8	
11PM-MID	431	0.0	1500	431	0	0.46	0	65.6	60.4	43.8	

"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

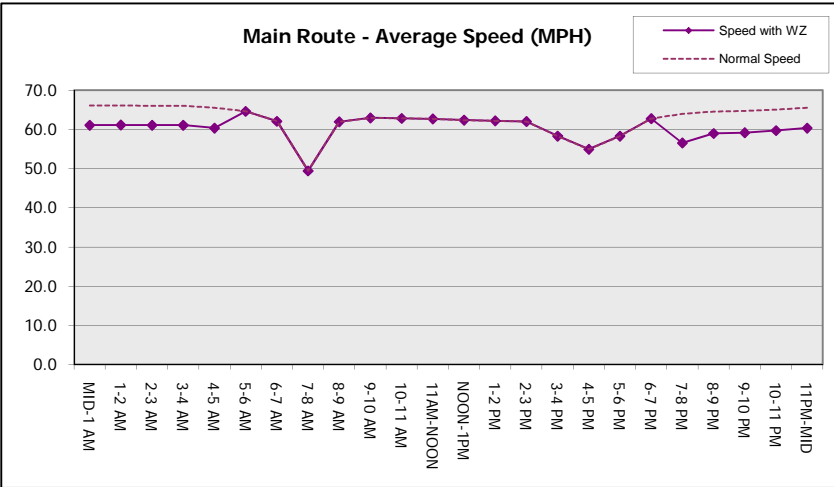
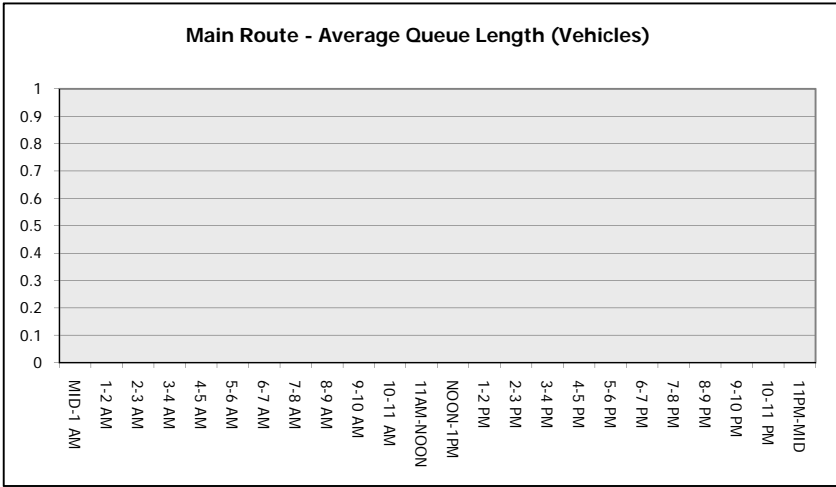
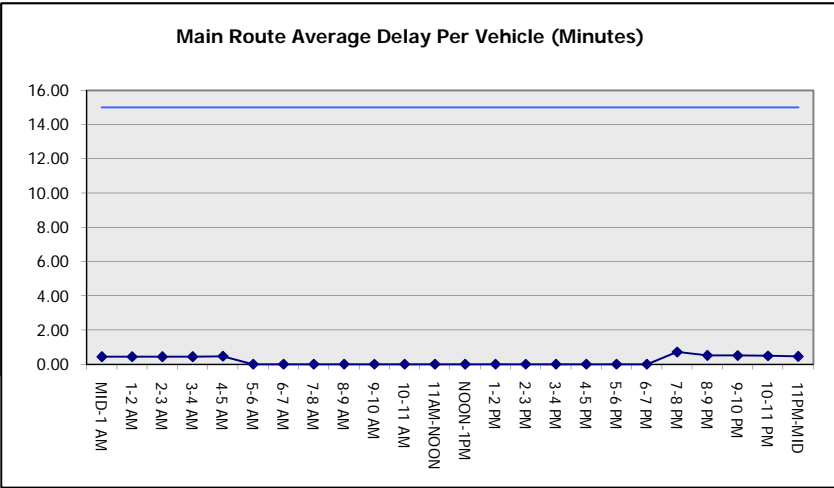
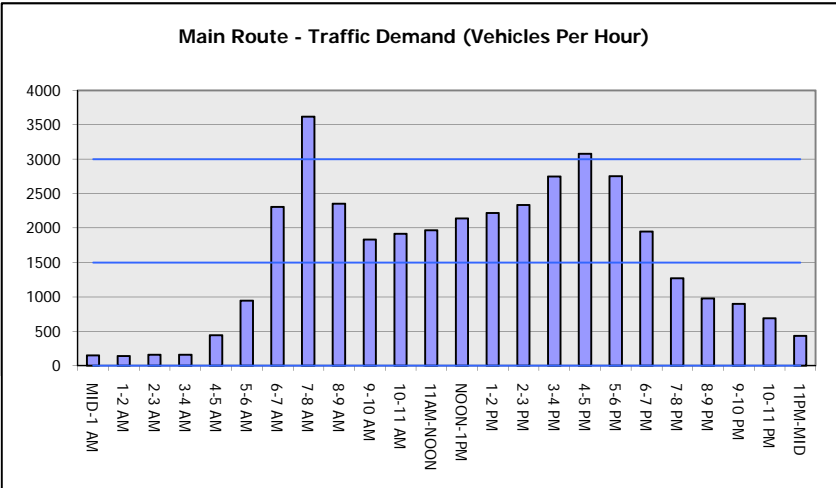
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0352
MAIN ROUTE WITH WORKS	0.0349
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$703
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY 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>
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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	240	0.0	1500	240	0	0.45	0	66.0	60.9	44.5
1-2 AM	141	0.0	1500	141	0	0.44	0	66.1	61.2	44.9
2-3 AM	209	0.0	1500	209	0	0.44	0	66.0	61.0	44.6
3-4 AM	114	0.0	1500	114	0	0.43	0	66.2	61.2	45.0
4-5 AM	259	0.0	1500	259	0	0.45	0	65.9	60.9	44.5
5-6 AM	708	0.0	OFF	708	0	0.00	0	65.1	65.1	65.1
6-7 AM	1458	0.0	OFF	1458	0	0.00	0	63.7	63.7	63.7
7-8 AM	2306	0.0	OFF	2306	0	0.00	0	62.1	62.1	62.1
8-9 AM	1813	0.0	OFF	1813	0	0.00	0	63.0	63.0	63.0
9-10 AM	1584	0.0	OFF	1584	0	0.00	0	63.4	63.4	63.4
10-11 AM	1874	0.0	OFF	1874	0	0.00	0	62.9	62.9	62.9
11AM-NOON	2066	0.0	OFF	2066	0	0.00	0	62.5	62.5	62.5
NOON-1PM	2221	0.0	OFF	2221	0	0.00	0	62.2	62.2	62.2
1-2 PM	2394	0.0	OFF	2394	0	0.00	0	61.9	61.9	61.9
2-3 PM	2730	0.0	OFF	2730	0	0.00	0	58.6	58.6	58.6
3-4 PM	3345	0.0	OFF	3345	0	0.00	0	52.2	52.2	52.2
4-5 PM	3637	0.0	OFF	3637	0	0.00	0	49.2	49.2	49.2
5-6 PM	3196	0.0	OFF	3196	0	0.00	0	53.8	53.8	53.8
6-7 PM	2323	0.0	OFF	2323	0	0.00	0	62.0	62.0	62.0
7-8 PM	1768	0.0	1499	1768	0	6.46	160	63.1	29.3	30.8
8-9 PM	1473	0.0	1499	1473	0	11.08	271	63.7	21.3	30.8
9-10 PM	1243	0.0	1499	1243	0	5.14	134	64.1	33.2	33.5
10-11 PM	801	0.0	1500	801	0	0.50	0	64.9	59.4	42.4
11PM-MID	485	0.0	1500	485	0	0.47	0	65.5	60.2	43.6

"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	0.0361
MAIN ROUTE WITH WORKS	0.0356
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,564
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

