

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	232	0.0	1500	232	0	0.50	0	70.2	53.0	44.5
1-2 AM	156	0.0	1500	156	0	0.49	0	70.2	53.2	44.8
2-3 AM	169	0.0	1500	169	0	0.49	0	70.2	53.2	44.8
3-4 AM	168	0.0	1500	168	0	0.49	0	70.2	53.2	44.8
4-5 AM	306	0.0	1500	306	0	0.51	0	70.2	52.7	44.3
5-6 AM	919	0.0	OFF	919	0	0.00	0	69.6	69.6	69.6
6-7 AM	1791	0.0	OFF	1791	0	0.00	0	68.5	68.5	68.5
7-8 AM	2739	0.0	OFF	2739	0	0.00	0	67.3	67.3	67.3
8-9 AM	1917	0.0	OFF	1917	0	0.00	0	68.4	68.4	68.4
9-10 AM	1585	0.0	OFF	1585	0	0.00	0	68.7	68.7	68.7
10-11 AM	1671	0.0	OFF	1671	0	0.00	0	68.7	68.7	68.7
11AM-NOON	1917	0.0	OFF	1917	0	0.00	0	68.4	68.4	68.4
NOON-1PM	2132	0.0	OFF	2132	0	0.00	0	68.1	68.1	68.1
1-2 PM	2398	0.0	OFF	2398	0	0.00	0	67.8	67.8	67.8
2-3 PM	2489	0.0	OFF	2489	0	0.00	0	67.6	67.6	67.6
3-4 PM	2617	0.0	OFF	2617	0	0.00	0	67.5	67.5	67.5
4-5 PM	2913	0.0	OFF	2913	0	0.00	0	67.1	67.1	67.1
5-6 PM	2604	0.0	OFF	2604	0	0.00	0	67.5	67.5	67.5
6-7 PM	1737	0.0	OFF	1737	0	0.00	0	68.6	68.6	68.6
7-8 PM	1311	0.0	1500	1311	0	0.85	0	69.1	44.8	35.2
8-9 PM	1248	0.0	1500	1248	0	0.77	0	69.2	46.4	37.0
9-10 PM	1149	0.0	1500	1149	0	0.64	0	69.3	49.1	40.2
10-11 PM	851	0.0	1500	851	0	0.57	0	69.7	50.9	42.2
11PM-MID	511	0.0	1500	511	0	0.53	0	70.1	52.0	43.5

"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

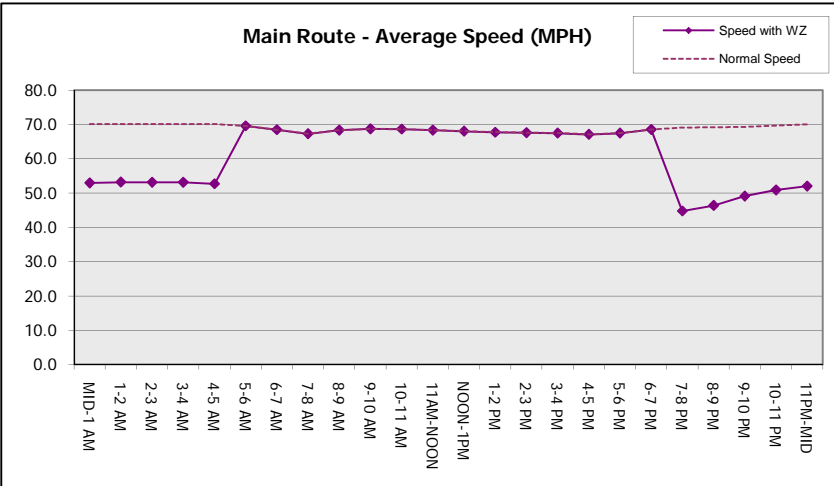
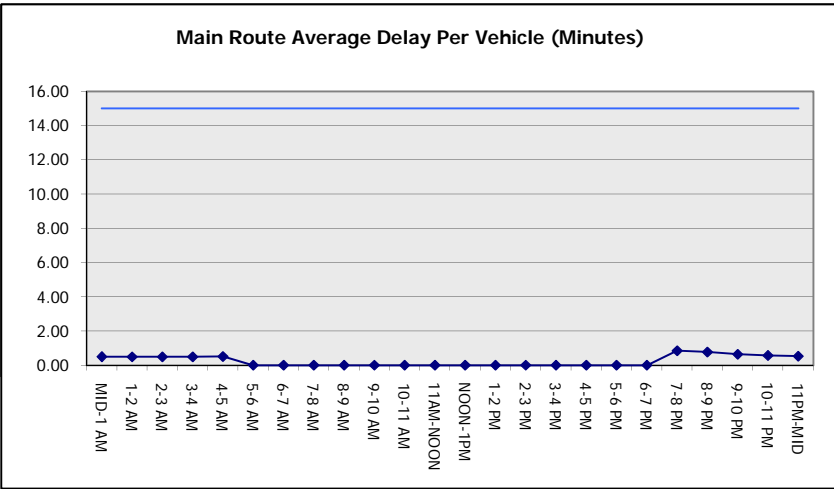
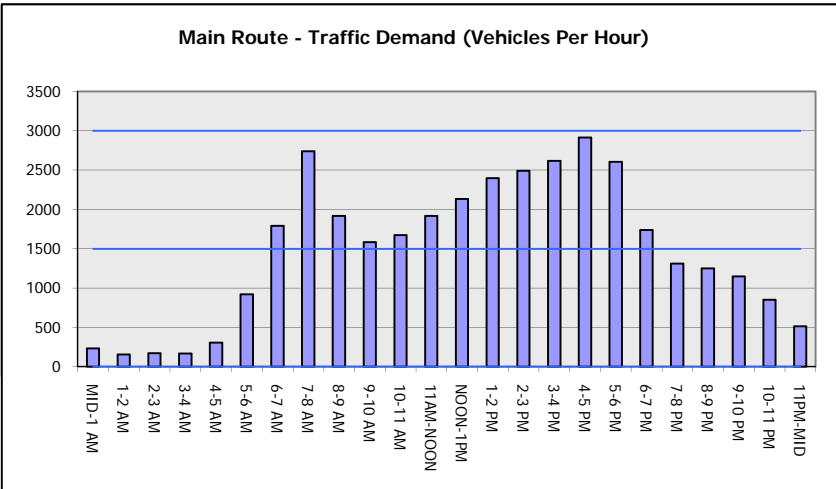
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,005
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	252	0.0	1500	252	0	0.50	0	70.2	52.9	44.5
1-2 AM	194	0.0	1500	194	0	0.50	0	70.2	53.1	44.7
2-3 AM	163	0.0	1500	163	0	0.49	0	70.2	53.2	44.8
3-4 AM	149	0.0	1500	149	0	0.49	0	70.2	53.2	44.9
4-5 AM	309	0.0	1500	309	0	0.51	0	70.2	52.7	44.3
5-6 AM	697	0.0	OFF	697	0	0.00	0	69.9	69.9	69.9
6-7 AM	1429	0.0	OFF	1429	0	0.00	0	68.9	68.9	68.9
7-8 AM	2442	0.0	OFF	2442	0	0.00	0	67.7	67.7	67.7
8-9 AM	1966	0.0	OFF	1966	0	0.00	0	68.3	68.3	68.3
9-10 AM	1814	0.0	OFF	1814	0	0.00	0	68.5	68.5	68.5
10-11 AM	1997	0.0	OFF	1997	0	0.00	0	68.2	68.2	68.2
11AM-NOON	2191	0.0	OFF	2191	0	0.00	0	68.0	68.0	68.0
NOON-1PM	2256	0.0	OFF	2256	0	0.00	0	67.9	67.9	67.9
1-2 PM	2239	0.0	OFF	2239	0	0.00	0	67.9	67.9	67.9
2-3 PM	2640	0.0	OFF	2640	0	0.00	0	67.4	67.4	67.4
3-4 PM	3015	0.0	OFF	3015	0	0.00	0	67.0	67.0	67.0
4-5 PM	3361	0.0	OFF	3361	0	0.00	0	66.6	66.6	66.6
5-6 PM	2906	0.0	OFF	2906	0	0.00	0	67.1	67.1	67.1
6-7 PM	2241	0.0	OFF	2241	0	0.00	0	67.9	67.9	67.9
7-8 PM	1721	0.0	1499	1721	0	5.89	140	68.6	14.5	30.8
8-9 PM	1300	0.0	1499	1300	0	5.88	144	69.1	14.6	32.5
9-10 PM	984	0.0	1500	984	0	0.60	0	69.5	50.1	41.7
10-11 PM	790	0.0	1500	790	0	0.56	0	69.7	51.1	42.4
11PM-MID	558	0.0	1500	558	0	0.54	0	70.0	51.9	43.3

"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	0.0108
MAIN ROUTE WITH WORKS	0.0104
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,839
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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