

USH 41: STH 15 TO STH 125 (OUTAGAMIE COUNTY) OFF-PEAK DAY 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	OFF	232	0	0.00	0	70.2	70.2	70.2
1-2 AM	156	0.0	OFF	156	0	0.00	0	70.2	70.2	70.2
2-3 AM	169	0.0	OFF	169	0	0.00	0	70.2	70.2	70.2
3-4 AM	168	0.0	OFF	168	0	0.00	0	70.2	70.2	70.2
4-5 AM	306	0.0	OFF	306	0	0.00	0	70.2	70.2	70.2
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	1499	1671	0	3.47	75	68.7	21.4	30.8
11AM-NOON	1917	0.0	1500	1701	216	13.47+	336	68.4	8.3	30.8
NOON-1PM	2132	0.0	1499	1504	628	16.99+	416	68.1	7.2	30.8
1-2 PM	2398	0.0	1500	1508	889	17.01+	417	67.8	7.2	30.8
2-3 PM	2489	0.0	1500	1509	980	17.02+	417	67.6	7.2	30.8
3-4 PM	2617	0.0	OFF	2617	0	0.24	22	67.5	58.7	58.7
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	OFF	1311	0	0.00	0	69.1	69.1	69.1
8-9 PM	1248	0.0	OFF	1248	0	0.00	0	69.2	69.2	69.2
9-10 PM	1149	0.0	OFF	1149	0	0.00	0	69.3	69.3	69.3
10-11 PM	851	0.0	OFF	851	0	0.00	0	69.7	69.7	69.7
11PM-MID	511	0.0	OFF	511	0	0.00	0	70.1	70.1	70.1

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

+ 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

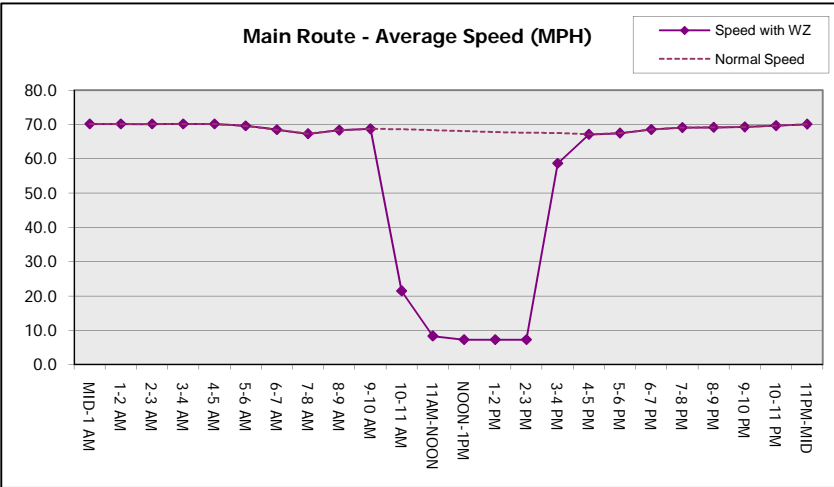
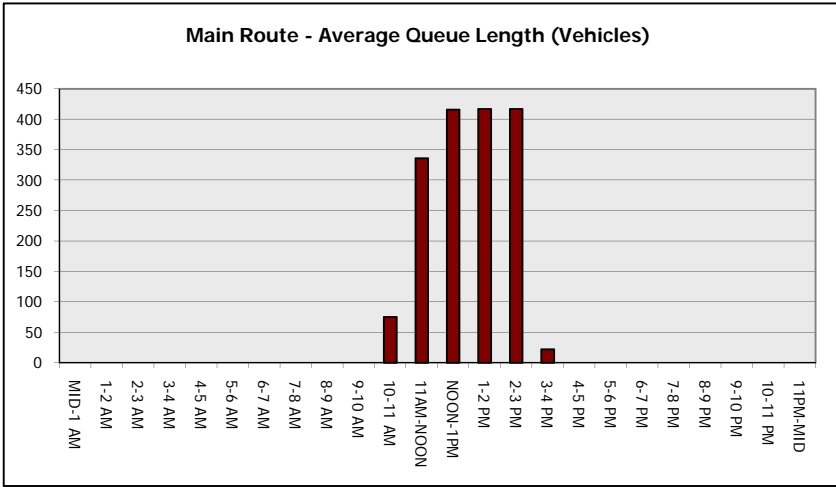
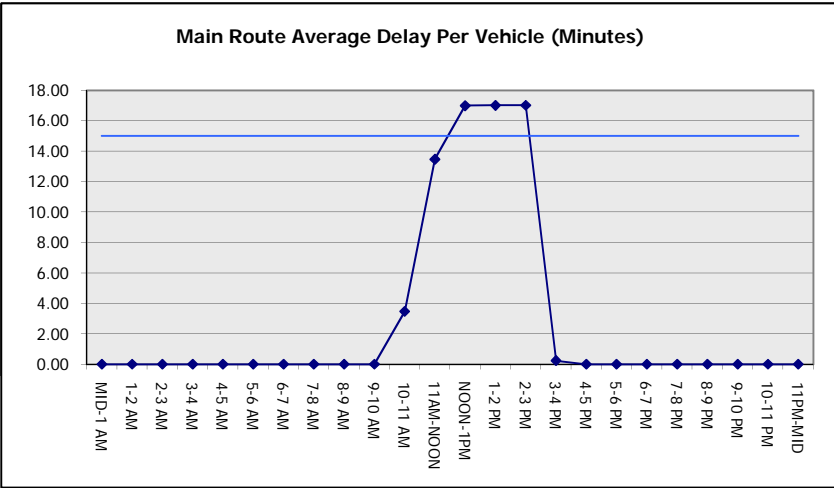
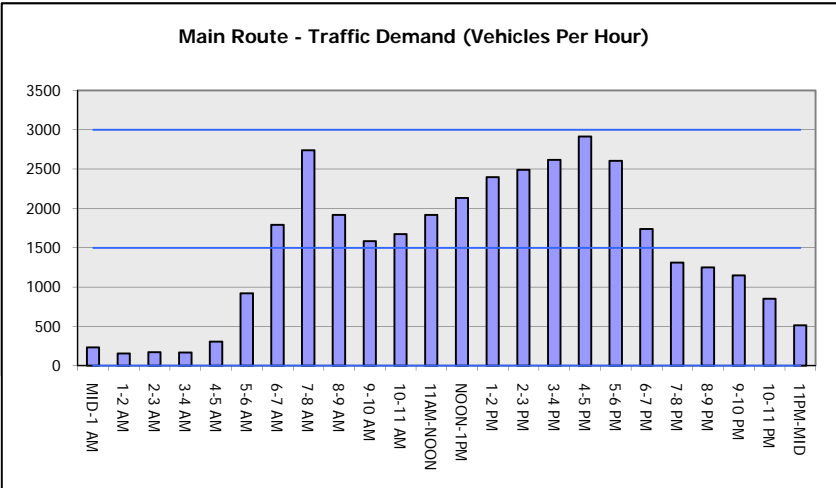
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0018
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$33,896
CONGESTED HOURS PER DAY*	4

*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	OFF	252	0	0.00	0	70.2	70.2	70.2
1-2 AM	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2
2-3 AM	163	0.0	OFF	163	0	0.00	0	70.2	70.2	70.2
3-4 AM	149	0.0	OFF	149	0	0.00	0	70.2	70.2	70.2
4-5 AM	309	0.0	OFF	309	0	0.00	0	70.2	70.2	70.2
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	1499	1997	0	8.43+	236	68.2	11.7	30.8
11AM-NOON	2191	0.0	1500	1450	741	16.85+	413	68.0	7.2	30.8
NOON-1PM	2256	0.0	1499	1497	759	16.99+	416	67.9	7.2	30.8
1-2 PM	2239	0.0	1499	1497	742	16.99+	416	67.9	7.2	30.8
2-3 PM	2640	0.0	1499	1488	1151	17.05+	418	67.4	7.1	30.8
3-4 PM	3015	0.0	OFF	3015	0	0.32	30	67.0	55.8	55.8
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	OFF	1721	0	0.00	0	68.6	68.6	68.6
8-9 PM	1300	0.0	OFF	1300	0	0.00	0	69.1	69.1	69.1
9-10 PM	984	0.0	OFF	984	0	0.00	0	69.5	69.5	69.5
10-11 PM	790	0.0	OFF	790	0	0.00	0	69.7	69.7	69.7
11PM-MID	558	0.0	OFF	558	0	0.00	0	70.0	70.0	70.0

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0108
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0023

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$39,368
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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