

USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	153	0.0	OFF	153	0	0.00	0	66.1	66.1	66.1	
1-2 AM	117	0.0	OFF	117	0	0.00	0	66.1	66.1	66.1	
2-3 AM	108	0.0	OFF	108	0	0.00	0	66.2	66.2	66.2	
3-4 AM	139	0.0	OFF	139	0	0.00	0	66.1	66.1	66.1	
4-5 AM	322	0.0	OFF	322	0	0.00	0	65.8	65.8	65.8	
5-6 AM	1016	0.0	OFF	1016	0	0.00	0	64.5	64.5	64.5	
6-7 AM	1952	0.0	OFF	1952	0	0.00	0	62.7	62.7	62.7	
7-8 AM	2914	0.0	OFF	2914	0	0.00	0	56.6	56.6	56.6	
8-9 AM	1834	0.0	OFF	1834	0	0.00	0	63.0	63.0	63.0	
9-10 AM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7	
10-11 AM	1442	0.0	1499	1442	0	0.95	0	63.7	51.4	32.0	
11AM-NOON	1497	0.0	1499	1497	0	1.07	1	63.6	50.1	31.0	
NOON-1PM	1577	0.0	1500	1577	0	2.44	40	63.5	39.3	30.8	
1-2 PM	1641	0.0	1500	1641	0	6.38	149	63.3	24.3	30.8	
2-3 PM	1710	0.0	1499	1710	0	12.31+	312	63.2	15.5	30.8	
3-4 PM	2174	0.0	OFF	2174	0	0.95	51	62.3	50.5	50.5	
4-5 PM	2562	0.0	OFF	2562	0	0.00	0	60.2	60.2	60.2	
5-6 PM	2412	0.0	OFF	2412	0	0.00	0	61.8	61.8	61.8	
6-7 PM	1447	0.0	OFF	1447	0	0.00	0	63.7	63.7	63.7	
7-8 PM	900	0.0	OFF	900	0	0.00	0	64.7	64.7	64.7	
8-9 PM	830	0.0	OFF	830	0	0.00	0	64.8	64.8	64.8	
9-10 PM	636	0.0	OFF	636	0	0.00	0	65.2	65.2	65.2	
10-11 PM	449	0.0	OFF	449	0	0.00	0	65.6	65.6	65.6	
11PM-MID	242	0.0	OFF	242	0	0.00	0	66.0	66.0	66.0	

"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

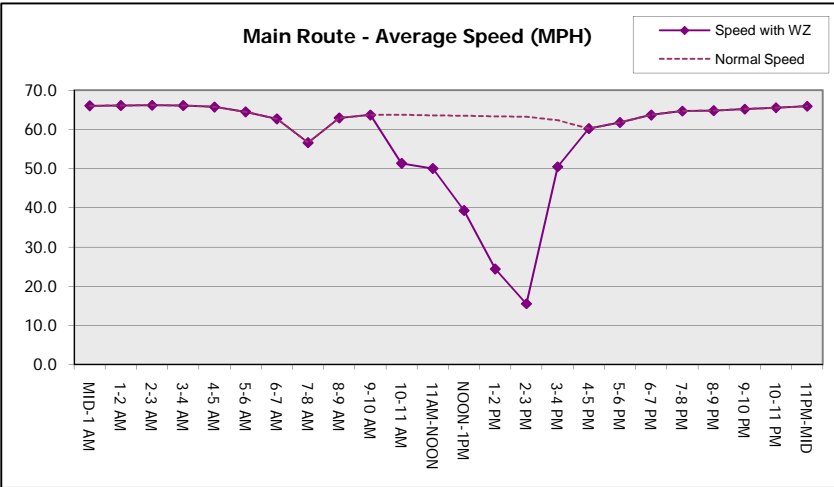
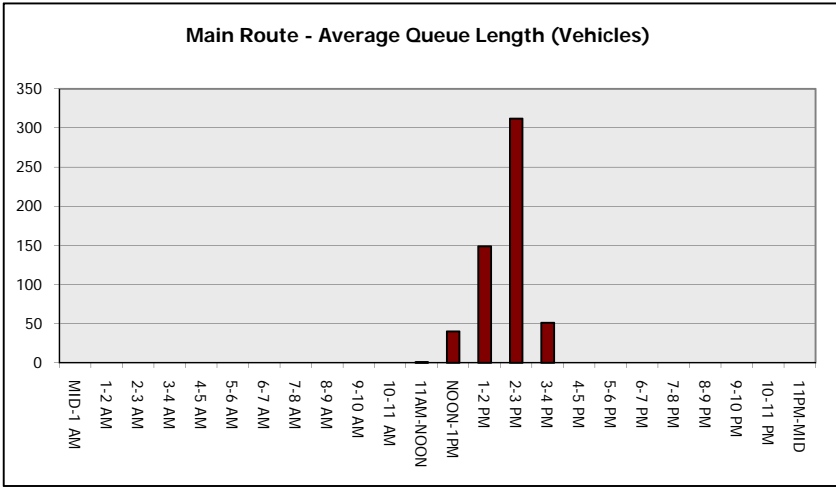
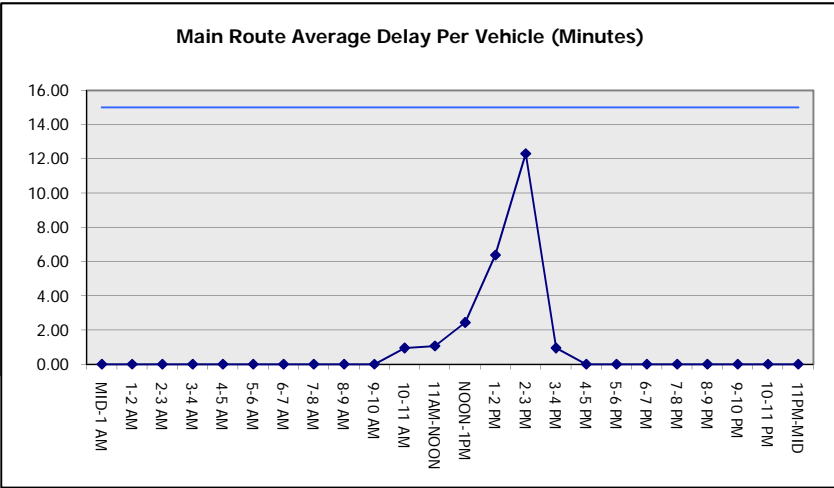
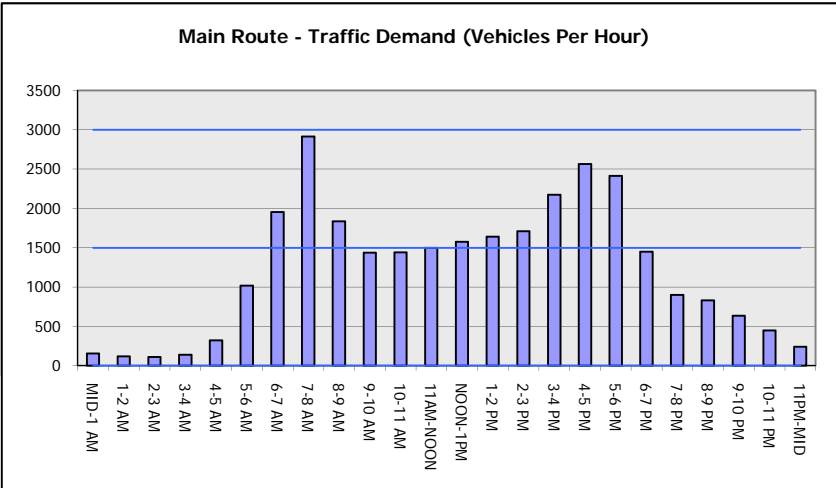
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0197
MAIN ROUTE WITH WORKS	0.0192
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,400
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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MAY
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Construction Season

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



USH 41: STH 441 TO STH 55 (OUTAGAMIE AND BROWN COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	170	0.0	OFF	170	0	0.00	0	66.1	66.1	66.1
1-2 AM	112	0.0	OFF	112	0	0.00	0	66.2	66.2	66.2
2-3 AM	111	0.0	OFF	111	0	0.00	0	66.2	66.2	66.2
3-4 AM	113	0.0	OFF	113	0	0.00	0	66.2	66.2	66.2
4-5 AM	270	0.0	OFF	270	0	0.00	0	65.9	65.9	65.9
5-6 AM	791	0.0	OFF	791	0	0.00	0	64.9	64.9	64.9
6-7 AM	1726	0.0	OFF	1726	0	0.00	0	63.2	63.2	63.2
7-8 AM	2451	0.0	OFF	2451	0	0.00	0	61.4	61.4	61.4
8-9 AM	1650	0.0	OFF	1650	0	0.00	0	63.3	63.3	63.3
9-10 AM	1412	0.0	OFF	1412	0	0.00	0	63.8	63.8	63.8
10-11 AM	1412	0.0	1500	1412	0	0.91	0	63.8	51.8	32.7
11AM-NOON	1473	0.0	1499	1473	0	0.99	0	63.7	50.9	31.4
NOON-1PM	1555	0.0	1499	1555	0	1.79	22	63.5	43.7	30.8
1-2 PM	1652	0.0	1500	1652	0	5.17	118	63.3	27.5	30.8
2-3 PM	1969	0.0	1500	1689	280	13.70+	351	62.7	14.2	30.8
3-4 PM	2374	0.0	OFF	2374	0	0.99	48	62.0	49.8	49.8
4-5 PM	2871	0.0	OFF	2871	0	0.00	0	57.1	57.1	57.1
5-6 PM	2432	0.0	OFF	2432	0	0.00	0	61.6	61.6	61.6
6-7 PM	1508	0.0	OFF	1508	0	0.00	0	63.6	63.6	63.6
7-8 PM	1058	0.0	OFF	1058	0	0.00	0	64.4	64.4	64.4
8-9 PM	945	0.0	OFF	945	0	0.00	0	64.6	64.6	64.6
9-10 PM	802	0.0	OFF	802	0	0.00	0	64.9	64.9	64.9
10-11 PM	472	0.0	OFF	472	0	0.00	0	65.5	65.5	65.5
11PM-MID	273	0.0	OFF	273	0	0.00	0	65.9	65.9	65.9

"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	0.0198
MAIN ROUTE WITH WORKS	0.0191
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$7,947
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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MON-THUR NORTHBOUND DIRECTION

