

IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES) OFF-PEAK DAY 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	241	0.0	OFF	241	0	0.00	0	66.0	66.0	66.0	
1-2 AM	143	0.0	OFF	143	0	0.00	0	66.1	66.1	66.1	
2-3 AM	152	0.0	OFF	152	0	0.00	0	66.1	66.1	66.1	
3-4 AM	170	0.0	OFF	170	0	0.00	0	66.1	66.1	66.1	
4-5 AM	338	0.0	OFF	338	0	0.00	0	65.8	65.8	65.8	
5-6 AM	1020	0.0	OFF	1020	0	0.00	0	64.5	64.5	64.5	
6-7 AM	2472	0.0	OFF	2472	0	0.00	0	61.2	61.2	61.2	
7-8 AM	3583	0.0	OFF	3583	0	0.00	0	49.8	49.8	49.8	
8-9 AM	3029	0.0	OFF	3029	0	0.00	0	55.5	55.5	55.5	
9-10 AM	2283	0.0	1499	1957	326	12.14+	318	62.2	12.7	30.8	
10-11 AM	1965	0.0	1499	1494	471	16.08+	407	62.7	10.4	30.8	
11AM-NOON	2218	0.0	1499	1498	720	16.08+	407	62.2	10.4	30.8	
NOON-1PM	2240	0.0	1499	1498	742	16.08+	407	62.2	10.4	30.8	
1-2 PM	2241	0.0	1499	1498	743	16.08+	407	62.2	10.4	30.8	
2-3 PM	2291	0.0	1499	1498	793	16.08+	408	62.1	10.4	30.8	
3-4 PM	2861	0.0	1499	1487	1374	15.90+	410	57.2	10.3	30.8	
4-5 PM	2839	0.0	OFF	2839	0	1.46	79	57.4	39.6	39.6	
5-6 PM	2885	0.0	OFF	2885	0	0.00	0	56.9	56.9	56.9	
6-7 PM	2334	0.0	OFF	2334	0	0.00	0	62.0	62.0	62.0	
7-8 PM	1617	0.0	OFF	1617	0	0.00	0	63.3	63.3	63.3	
8-9 PM	1256	0.0	OFF	1256	0	0.00	0	64.0	64.0	64.0	
9-10 PM	1095	0.0	OFF	1095	0	0.00	0	64.3	64.3	64.3	
10-11 PM	916	0.0	OFF	916	0	0.00	0	64.7	64.7	64.7	
11PM-MID	658	0.0	OFF	658	0	0.00	0	65.1	65.1	65.1	

"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

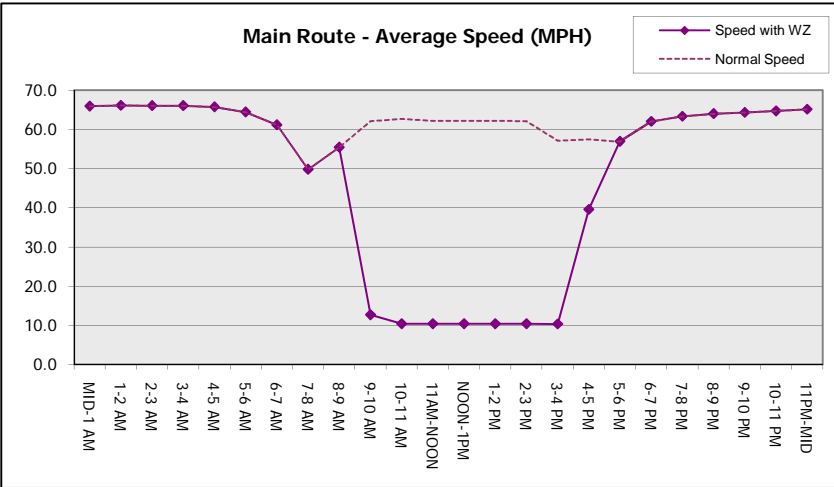
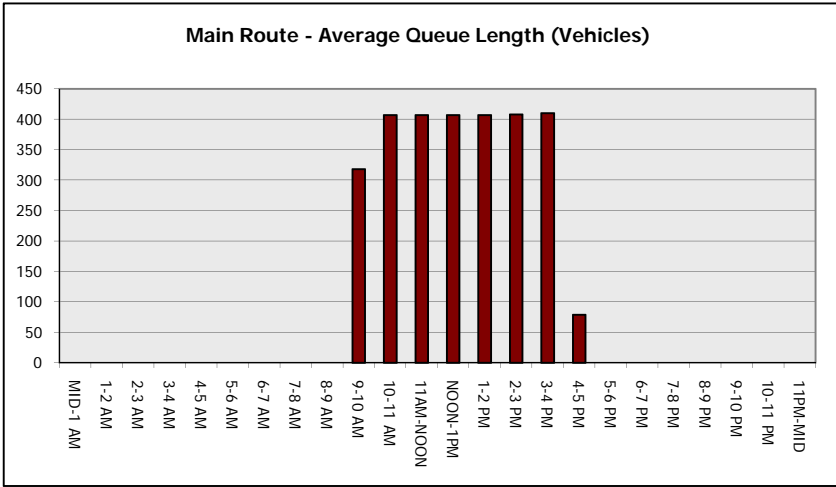
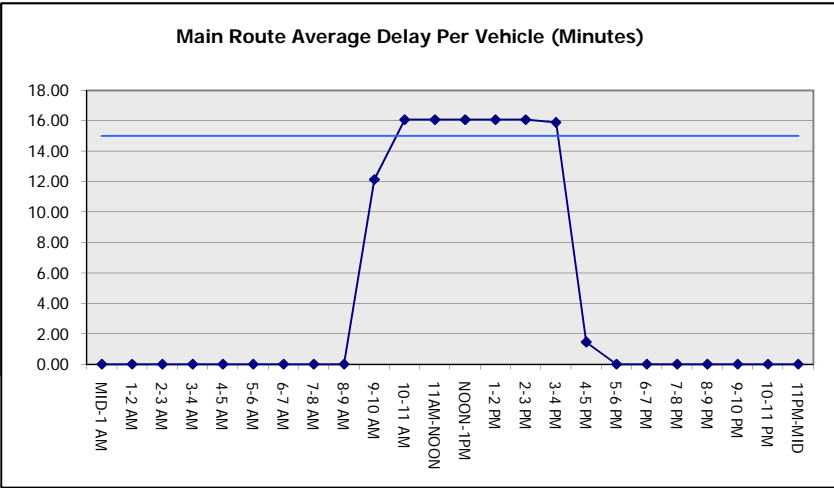
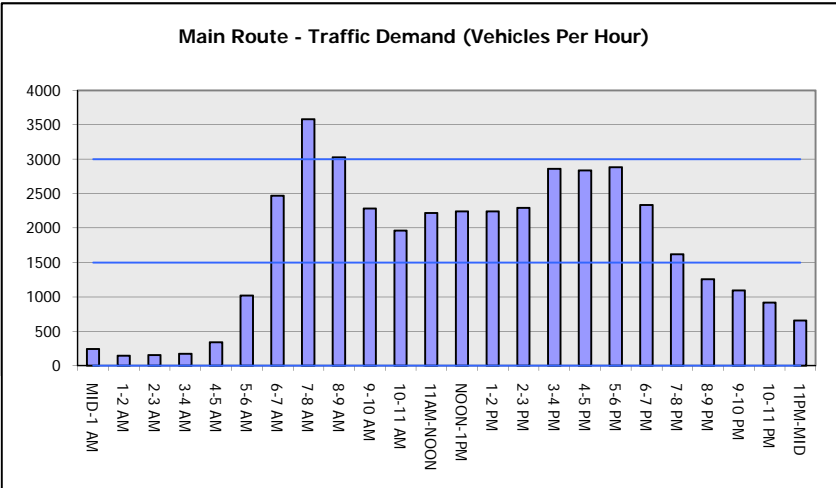
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0169
'DIVERSION'	0.0059
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,475
CONGESTED HOURS PER DAY*	7

*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	385	0.0	OFF	385	0	0.00	0	65.6	65.6	65.6
1-2 AM	256	0.0	OFF	256	0	0.00	0	65.9	65.9	65.9
2-3 AM	197	0.0	OFF	197	0	0.00	0	66.0	66.0	66.0
3-4 AM	165	0.0	OFF	165	0	0.00	0	66.1	66.1	66.1
4-5 AM	252	0.0	OFF	252	0	0.00	0	65.9	65.9	65.9
5-6 AM	738	0.0	OFF	738	0	0.00	0	65.0	65.0	65.0
6-7 AM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3
7-8 AM	2465	0.0	OFF	2465	0	0.00	0	61.2	61.2	61.2
8-9 AM	2535	0.0	OFF	2535	0	0.00	0	60.5	60.5	60.5
9-10 AM	2101	0.0	1499	1864	237	10.27+	283	62.5	14.4	30.8
10-11 AM	2019	0.0	1499	1502	517	16.09+	407	62.6	10.4	30.8
11AM-NOON	2495	0.0	1500	1507	988	16.04+	408	60.9	10.3	30.8
NOON-1PM	2691	0.0	1500	1511	1180	15.96+	409	58.9	10.3	30.8
1-2 PM	2795	0.0	1500	1510	1285	15.90+	409	57.9	10.3	30.8
2-3 PM	3010	0.0	1500	1507	1503	15.83+	411	55.6	10.3	30.8
3-4 PM	3581	0.0	1499	1500	2081	15.46+	413	49.8	10.3	30.8
4-5 PM	3662	0.0	OFF	3662	0	3.77	232	49.0	24.6	24.6
5-6 PM	3400	0.0	OFF	3400	0	0.10	3	51.7	50.4	50.4
6-7 PM	2759	0.0	OFF	2759	0	0.00	0	58.2	58.2	58.2
7-8 PM	2037	0.0	OFF	2037	0	0.00	0	62.6	62.6	62.6
8-9 PM	1621	0.0	OFF	1621	0	0.00	0	63.3	63.3	63.3
9-10 PM	1574	0.0	OFF	1574	0	0.00	0	63.5	63.5	63.5
10-11 PM	1387	0.0	OFF	1387	0	0.00	0	63.8	63.8	63.8
11PM-MID	902	0.0	OFF	902	0	0.00	0	64.7	64.7	64.7

"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	0.0221
MAIN ROUTE WITH WORKS	0.0175
'DIVERSION'	0.0089

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$65,348
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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