

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

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	205	0.0	OFF	205	0	0.00	0	66.0	66.0	66.0	
1-2 AM	117	0.0	OFF	117	0	0.00	0	66.1	66.1	66.1	
2-3 AM	103	0.0	OFF	103	0	0.00	0	66.2	66.2	66.2	
3-4 AM	144	0.0	OFF	144	0	0.00	0	66.1	66.1	66.1	
4-5 AM	345	0.0	OFF	345	0	0.00	0	65.8	65.8	65.8	
5-6 AM	1024	0.0	OFF	1024	0	0.00	0	64.5	64.5	64.5	
6-7 AM	2569	0.0	OFF	2569	0	0.00	0	60.2	60.2	60.2	
7-8 AM	3485	0.0	OFF	3485	0	0.00	0	50.8	50.8	50.8	
8-9 AM	2928	0.0	OFF	2928	0	0.00	0	56.5	56.5	56.5	
9-10 AM	2016	0.0	1499	1912	103	9.92+	273	62.7	14.7	30.8	
10-11 AM	1940	0.0	1500	1500	441	16.10+	407	62.8	10.4	30.8	
11AM-NOON	2103	0.0	1500	1500	603	16.09+	407	62.5	10.4	30.8	
NOON-1PM	2161	0.0	1500	1500	661	16.08+	407	62.3	10.4	30.8	
1-2 PM	2088	0.0	1500	1500	588	16.09+	407	62.5	10.4	30.8	
2-3 PM	2286	0.0	1499	1500	786	16.08+	408	62.1	10.4	30.8	
3-4 PM	2617	0.0	1500	1499	1117	15.96+	408	59.7	10.4	30.8	
4-5 PM	2651	0.0	OFF	2651	0	1.18	62	59.4	43.2	43.2	
5-6 PM	2898	0.0	OFF	2898	0	0.00	0	56.8	56.8	56.8	
6-7 PM	2039	0.0	OFF	2039	0	0.00	0	62.6	62.6	62.6	
7-8 PM	1472	0.0	OFF	1472	0	0.00	0	63.7	63.7	63.7	
8-9 PM	1204	0.0	OFF	1204	0	0.00	0	64.1	64.1	64.1	
9-10 PM	979	0.0	OFF	979	0	0.00	0	64.6	64.6	64.6	
10-11 PM	682	0.0	OFF	682	0	0.00	0	65.1	65.1	65.1	
11PM-MID	393	0.0	OFF	393	0	0.00	0	65.6	65.6	65.6	

"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

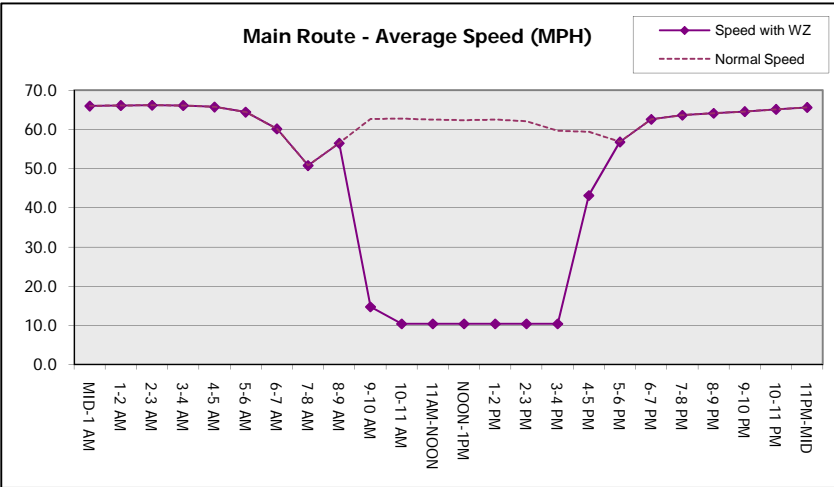
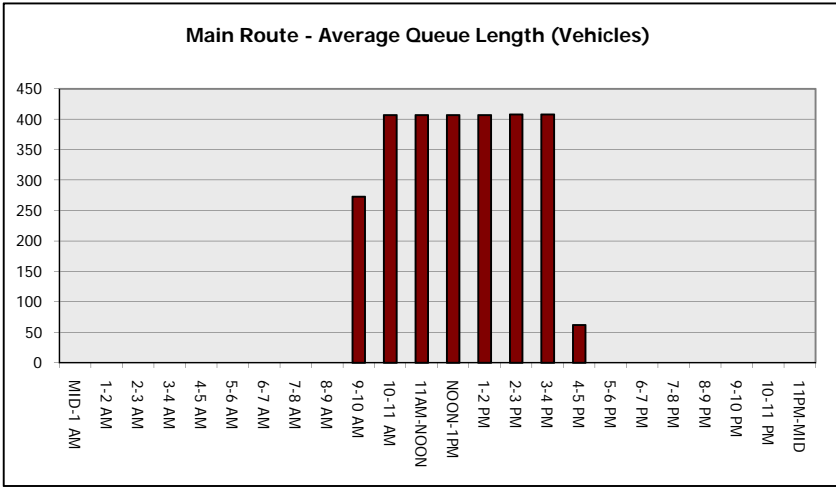
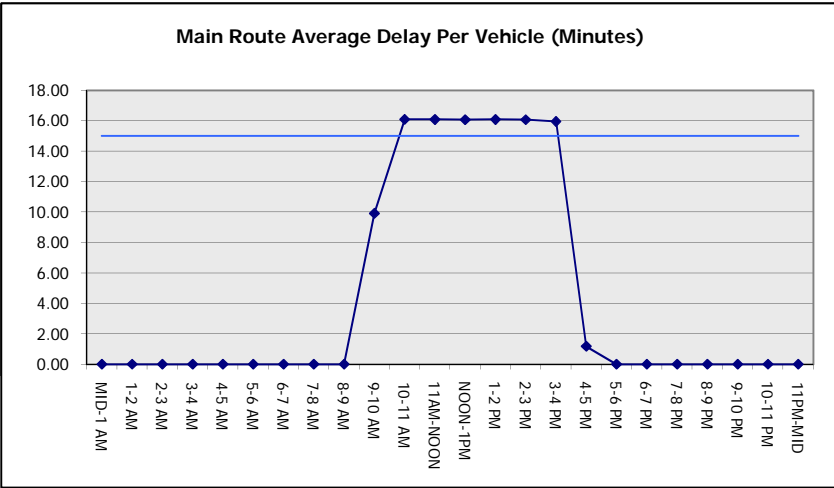
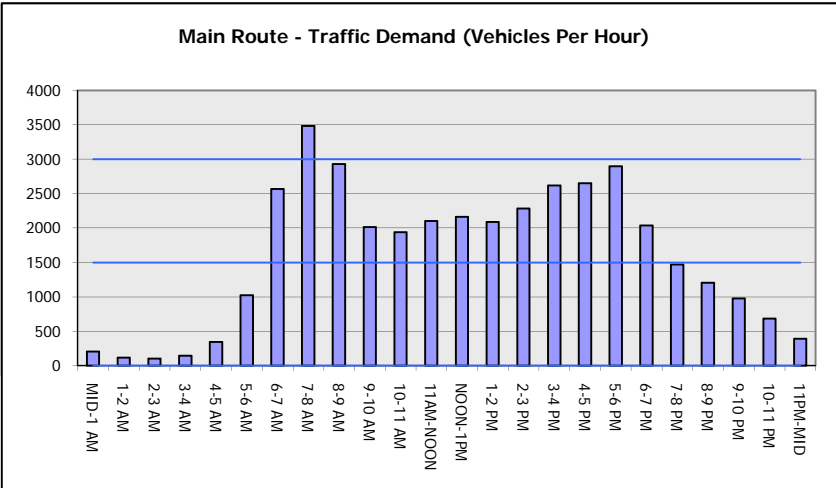
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0190
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0049
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,913
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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



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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	261	0.0	OFF	261	0	0.00	0	65.9	65.9	65.9
1-2 AM	165	0.0	OFF	165	0	0.00	0	66.1	66.1	66.1
2-3 AM	130	0.0	OFF	130	0	0.00	0	66.1	66.1	66.1
3-4 AM	121	0.0	OFF	121	0	0.00	0	66.1	66.1	66.1
4-5 AM	221	0.0	OFF	221	0	0.00	0	66.0	66.0	66.0
5-6 AM	678	0.0	OFF	678	0	0.00	0	65.1	65.1	65.1
6-7 AM	1572	0.0	OFF	1572	0	0.00	0	63.5	63.5	63.5
7-8 AM	2270	0.0	OFF	2270	0	0.00	0	62.2	62.2	62.2
8-9 AM	2272	0.0	OFF	2272	0	0.00	0	62.2	62.2	62.2
9-10 AM	1700	0.0	1499	1700	0	4.86	115	63.2	23.8	30.8
10-11 AM	1782	0.0	1500	1724	58	12.64+	323	63.1	12.2	30.8
11AM-NOON	1971	0.0	1500	1499	472	16.10+	407	62.7	10.4	30.8
NOON-1PM	2122	0.0	1499	1499	622	16.09+	407	62.4	10.4	30.8
1-2 PM	2175	0.0	1500	1499	676	16.08+	407	62.3	10.4	30.8
2-3 PM	2527	0.0	1499	1498	1030	16.01+	408	60.6	10.4	30.8
3-4 PM	3161	0.0	1499	1498	1663	15.76+	412	54.1	10.3	30.8
4-5 PM	3475	0.0	OFF	3475	0	2.82	165	50.9	28.7	28.7
5-6 PM	3469	0.0	OFF	3469	0	0.00	0	51.0	51.0	51.0
6-7 PM	2280	0.0	OFF	2280	0	0.00	0	62.2	62.2	62.2
7-8 PM	1676	0.0	OFF	1676	0	0.00	0	63.3	63.3	63.3
8-9 PM	1428	0.0	OFF	1428	0	0.00	0	63.7	63.7	63.7
9-10 PM	1268	0.0	OFF	1268	0	0.00	0	64.0	64.0	64.0
10-11 PM	854	0.0	OFF	854	0	0.00	0	64.8	64.8	64.8
11PM-MID	486	0.0	OFF	486	0	0.00	0	65.5	65.5	65.5

"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	0.0188
MAIN ROUTE WITH WORKS	0.0158
'DIVERSION'	0.0052

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,186
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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