

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

SUNDAY 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	327	0.0	OFF	327	0	0.00	0	65.8	65.8	65.8
1-2 AM	168	0.0	OFF	168	0	0.00	0	66.1	66.1	66.1
2-3 AM	120	0.0	OFF	120	0	0.00	0	66.1	66.1	66.1
3-4 AM	102	0.0	OFF	102	0	0.00	0	66.2	66.2	66.2
4-5 AM	106	0.0	OFF	106	0	0.00	0	66.2	66.2	66.2
5-6 AM	211	0.0	OFF	211	0	0.00	0	66.0	66.0	66.0
6-7 AM	393	0.0	OFF	393	0	0.00	0	65.6	65.6	65.6
7-8 AM	627	0.0	OFF	627	0	0.00	0	65.2	65.2	65.2
8-9 AM	986	0.0	OFF	986	0	0.00	0	64.5	64.5	64.5
9-10 AM	1493	0.0	1499	1493	0	1.34	12	63.6	43.6	32.0
10-11 AM	1850	0.0	1500	1850	0	7.37	199	63.0	18.0	30.8
11AM-NOON	2305	0.0	1499	1500	804	16.07+	408	62.1	10.4	30.8
NOON-1PM	2448	0.0	1500	1500	947	16.04+	408	61.4	10.4	30.8
1-2 PM	2341	0.0	1500	1500	840	16.07+	408	62.0	10.4	30.8
2-3 PM	2350	0.0	1500	1500	850	16.07+	408	62.0	10.4	30.8
3-4 PM	2376	0.0	1500	1500	875	16.07+	408	62.0	10.4	30.8
4-5 PM	2347	0.0	1500	1500	847	16.07+	408	62.0	10.4	30.8
5-6 PM	2199	0.0	1500	1500	698	16.08+	407	62.3	10.4	30.8
6-7 PM	1888	0.0	1500	1500	388	16.10+	407	62.8	10.4	30.8
7-8 PM	1696	0.0	OFF	1696	0	0.56	35	63.2	53.0	53.0
8-9 PM	1404	0.0	OFF	1404	0	0.00	0	63.8	63.8	63.8
9-10 PM	1055	0.0	OFF	1055	0	0.00	0	64.4	64.4	64.4
10-11 PM	686	0.0	OFF	686	0	0.00	0	65.1	65.1	65.1
11PM-MID	343	0.0	OFF	343	0	0.00	0	65.8	65.8	65.8

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

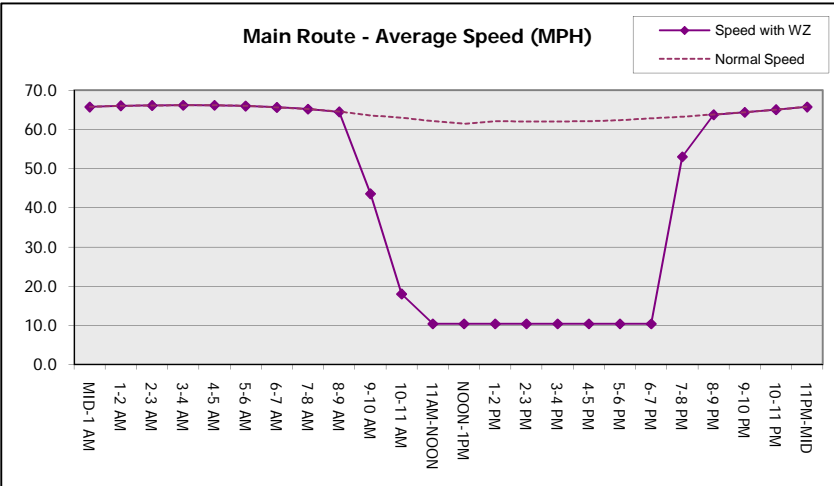
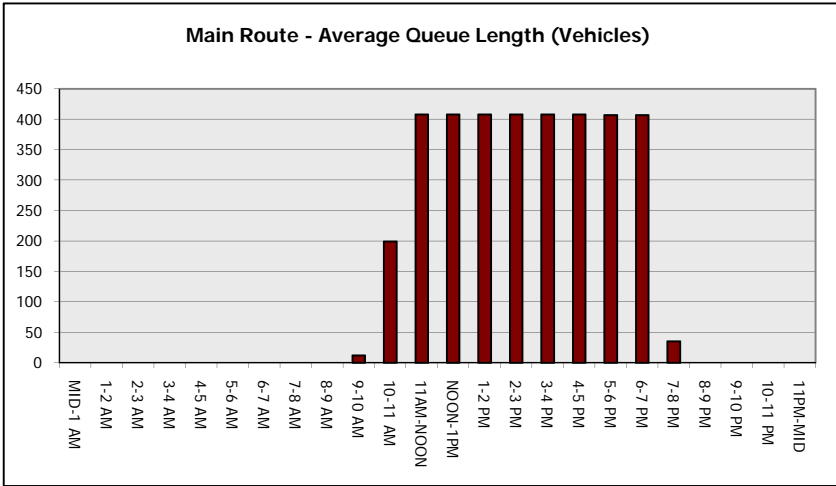
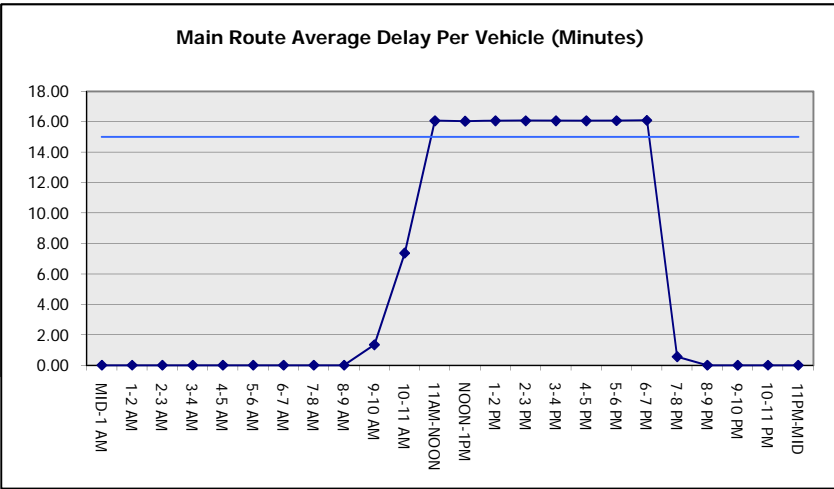
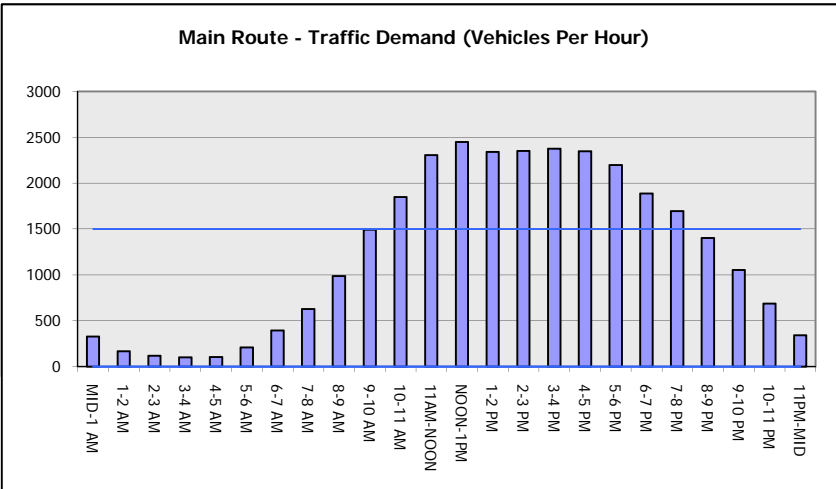
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0147
MAIN ROUTE WITH WORKS	0.0106
'DIVERSION'	0.0071
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$85,820
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	463	0.0	OFF	463	0	0.00	0	65.5	65.5	65.5
1-2 AM	308	0.0	OFF	308	0	0.00	0	65.8	65.8	65.8
2-3 AM	277	0.0	OFF	277	0	0.00	0	65.9	65.9	65.9
3-4 AM	164	0.0	OFF	164	0	0.00	0	66.1	66.1	66.1
4-5 AM	147	0.0	OFF	147	0	0.00	0	66.1	66.1	66.1
5-6 AM	230	0.0	OFF	230	0	0.00	0	66.0	66.0	66.0
6-7 AM	396	0.0	OFF	396	0	0.00	0	65.6	65.6	65.6
7-8 AM	587	0.0	OFF	587	0	0.00	0	65.3	65.3	65.3
8-9 AM	830	0.0	OFF	830	0	0.00	0	64.8	64.8	64.8
9-10 AM	1258	0.0	1499	1258	0	0.71	0	64.0	51.5	36.9
10-11 AM	1546	0.0	1499	1546	0	1.51	16	63.5	41.9	31.2
11AM-NOON	1939	0.0	1500	1915	25	9.52+	263	62.8	15.2	30.8
NOON-1PM	2115	0.0	1500	1461	654	15.97+	404	62.5	10.4	30.8
1-2 PM	2135	0.0	1499	1498	637	16.09+	407	62.4	10.4	30.8
2-3 PM	2162	0.0	1499	1498	663	16.08+	407	62.3	10.4	30.8
3-4 PM	2202	0.0	1499	1498	703	16.08+	407	62.3	10.4	30.8
4-5 PM	2280	0.0	1499	1499	782	16.08+	408	62.2	10.4	30.8
5-6 PM	2095	0.0	1499	1499	596	16.09+	407	62.5	10.4	30.8
6-7 PM	1679	0.0	1499	1469	210	16.00+	404	63.3	10.4	30.8
7-8 PM	1487	0.0	OFF	1487	0	0.52	32	63.6	54.0	54.0
8-9 PM	1171	0.0	OFF	1171	0	0.00	0	64.2	64.2	64.2
9-10 PM	955	0.0	OFF	955	0	0.00	0	64.6	64.6	64.6
10-11 PM	646	0.0	OFF	646	0	0.00	0	65.2	65.2	65.2
11PM-MID	390	0.0	OFF	390	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	0.0136
MAIN ROUTE WITH WORKS	0.0104
'DIVERSION'	0.0049

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$71,439
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SUNDAY NORTHBOUND DIRECTION

