

IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES) CONTINUOUS (24 HOUR) 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	1500	327	0	0.45	0	65.8	56.7	44.2
1-2 AM	168	0.0	1500	168	0	0.44	0	66.1	57.1	44.8
2-3 AM	120	0.0	1500	120	0	0.43	0	66.1	57.3	45.0
3-4 AM	102	0.0	1500	102	0	0.43	0	66.2	57.4	45.1
4-5 AM	106	0.0	1500	106	0	0.43	0	66.2	57.4	45.1
5-6 AM	211	0.0	1500	211	0	0.44	0	66.0	57.0	44.6
6-7 AM	393	0.0	1500	393	0	0.46	0	65.6	56.4	43.9
7-8 AM	627	0.0	1500	627	0	0.48	0	65.2	55.8	43.0
8-9 AM	986	0.0	1499	986	0	0.52	0	64.5	54.7	41.7
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	1500	1500	196	16.11+	407	63.2	10.4	30.8
8-9 PM	1404	0.0	1500	1404	0	14.89+	374	63.8	10.8	30.8
9-10 PM	1055	0.0	1499	1055	0	3.29	124	64.4	30.1	37.2
10-11 PM	686	0.0	1500	686	0	0.49	0	65.1	55.6	42.8
11PM-MID	343	0.0	1500	343	0	0.46	0	65.8	56.6	44.1

+ 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	0.0147
MAIN ROUTE WITH WORKS	0.0100
'DIVERSION'	0.0074
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$102,456
CONGESTED HOURS PER DAY*	10

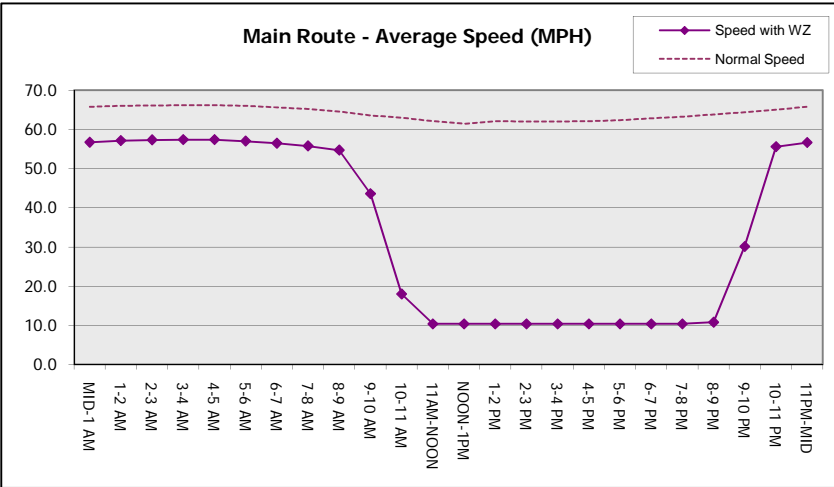
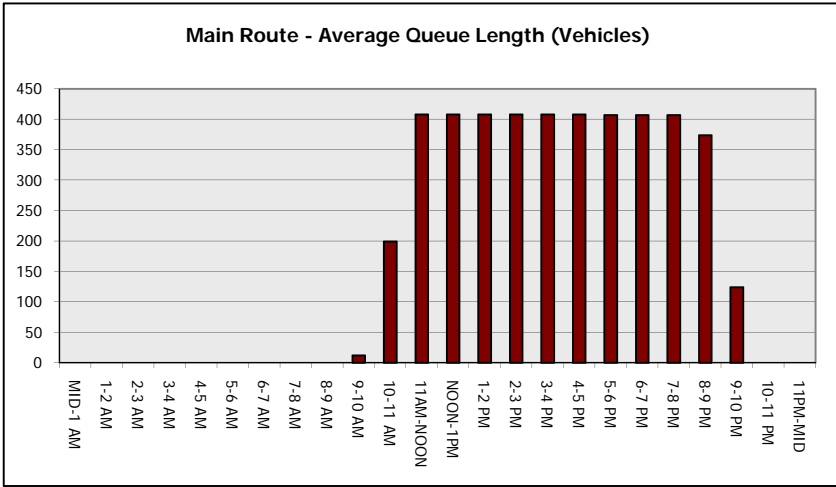
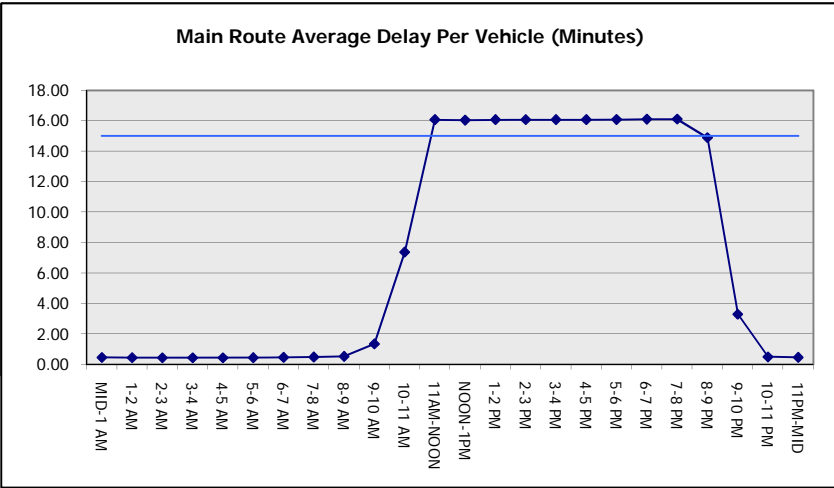
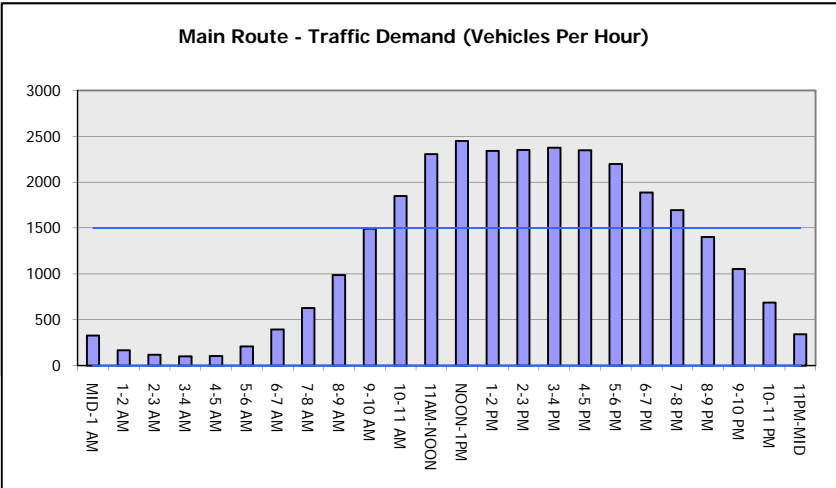
*Delays Exceeding User-Specified Maximum

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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) CONTINUOUS (24 HOUR) 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	1500	463	0	0.47	0	65.5	56.3	43.7
1-2 AM	308	0.0	1500	308	0	0.45	0	65.8	56.8	44.3
2-3 AM	277	0.0	1500	277	0	0.45	0	65.9	56.8	44.4
3-4 AM	164	0.0	1500	164	0	0.44	0	66.1	57.2	44.8
4-5 AM	147	0.0	1500	147	0	0.44	0	66.1	57.2	44.9
5-6 AM	230	0.0	1500	230	0	0.44	0	66.0	56.9	44.6
6-7 AM	396	0.0	1500	396	0	0.46	0	65.6	56.4	43.9
7-8 AM	587	0.0	1500	587	0	0.48	0	65.3	55.9	43.2
8-9 AM	830	0.0	1500	830	0	0.50	0	64.8	55.1	42.3
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	1499	1462	25	15.70+	396	63.6	10.5	30.8
8-9 PM	1171	0.0	1499	1171	0	7.87	217	64.2	17.3	33.2
9-10 PM	955	0.0	1500	955	0	0.56	1	64.6	54.1	41.9
10-11 PM	646	0.0	1500	646	0	0.49	0	65.2	55.7	43.0
11PM-MID	390	0.0	1500	390	0	0.46	0	65.6	56.4	43.9

+ 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	0.0099
'DIVERSION'	0.0049

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$82,619
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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