

<b>IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	OFF	1493	0	0.00	0	63.6	63.6	63.6
10-11 AM	1850	0.0	OFF	1850	0	0.00	0	63.0	63.0	63.0
11AM-NOON	2305	0.0	OFF	2305	0	0.00	0	62.1	62.1	62.1
NOON-1PM	2448	0.0	OFF	2448	0	0.00	0	61.4	61.4	61.4
1-2 PM	2341	0.0	OFF	2341	0	0.00	0	62.0	62.0	62.0
2-3 PM	2350	0.0	OFF	2350	0	0.00	0	62.0	62.0	62.0
3-4 PM	2376	0.0	OFF	2376	0	0.00	0	62.0	62.0	62.0
4-5 PM	2347	0.0	OFF	2347	0	0.00	0	62.0	62.0	62.0
5-6 PM	2199	0.0	OFF	2199	0	0.00	0	62.3	62.3	62.3
6-7 PM	1888	0.0	OFF	1888	0	0.00	0	62.8	62.8	62.8
7-8 PM	1696	0.0	1499	1696	0	4.80	113	63.2	24.0	30.8
8-9 PM	1404	0.0	1499	1404	0	7.17	168	63.8	18.4	30.9
9-10 PM	1055	0.0	1500	1055	0	0.92	14	64.4	48.9	40.3
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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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

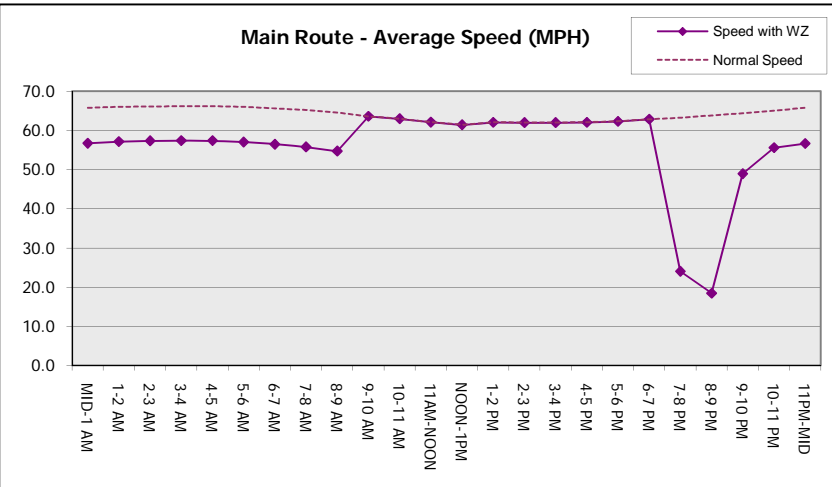
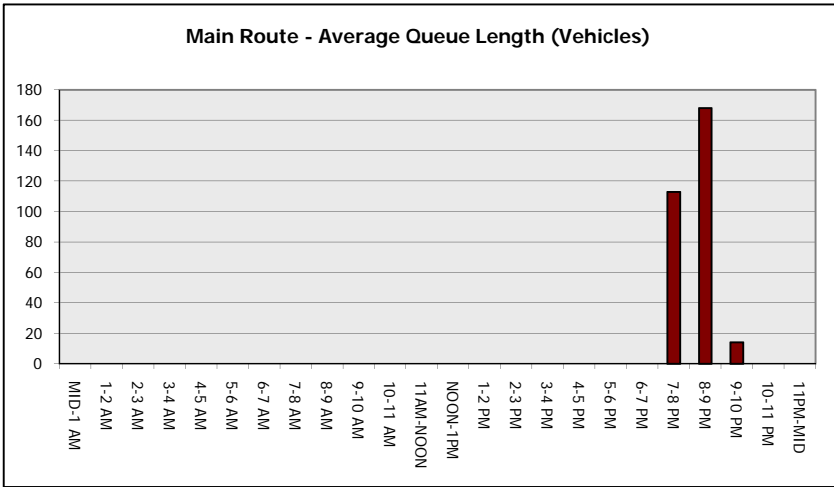
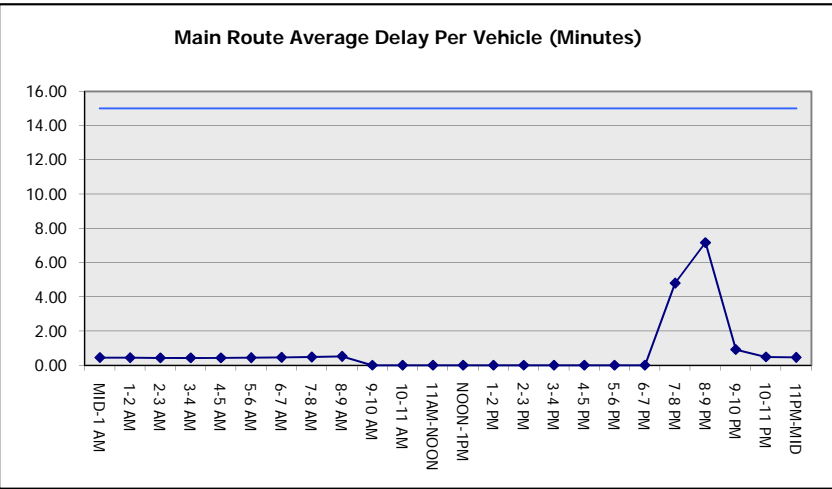
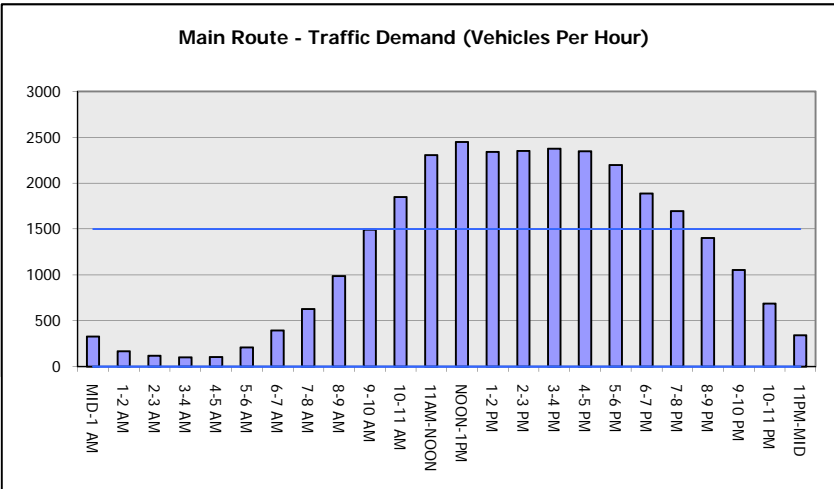
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0147
MAIN ROUTE WITH WORKS	0.0142
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,684
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



<b>IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	OFF	1258	0	0.00	0	64.0	64.0	64.0
10-11 AM	1546	0.0	OFF	1546	0	0.00	0	63.5	63.5	63.5
11AM-NOON	1939	0.0	OFF	1939	0	0.00	0	62.8	62.8	62.8
NOON-1PM	2115	0.0	OFF	2115	0	0.00	0	62.5	62.5	62.5
1-2 PM	2135	0.0	OFF	2135	0	0.00	0	62.4	62.4	62.4
2-3 PM	2162	0.0	OFF	2162	0	0.00	0	62.3	62.3	62.3
3-4 PM	2202	0.0	OFF	2202	0	0.00	0	62.3	62.3	62.3
4-5 PM	2280	0.0	OFF	2280	0	0.00	0	62.2	62.2	62.2
5-6 PM	2095	0.0	OFF	2095	0	0.00	0	62.5	62.5	62.5
6-7 PM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3
7-8 PM	1487	0.0	1499	1487	0	1.37	10	63.6	43.3	31.4
8-9 PM	1171	0.0	1500	1171	0	0.60	0	64.2	53.2	39.4
9-10 PM	955	0.0	1500	955	0	0.51	0	64.6	54.8	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

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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	0.0130
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,432
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

