

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	330	0.0	1500	330	0	0.45	0	65.8	56.6	44.2
1-2 AM	157	0.0	1500	157	0	0.44	0	66.1	57.2	44.8
2-3 AM	126	0.0	1500	126	0	0.43	0	66.1	57.3	45.0
3-4 AM	134	0.0	1500	134	0	0.44	0	66.1	57.3	45.0
4-5 AM	199	0.0	1500	199	0	0.44	0	66.0	57.1	44.7
5-6 AM	377	0.0	1500	377	0	0.46	0	65.7	56.5	44.0
6-7 AM	679	0.0	1500	679	0	0.49	0	65.1	55.6	42.8
7-8 AM	1189	0.0	1499	1189	0	0.64	0	64.1	52.5	38.4
8-9 AM	1615	0.0	OFF	1615	0	0.00	0	63.4	63.4	63.4
9-10 AM	1295	0.0	OFF	1295	0	0.00	0	64.0	64.0	64.0
10-11 AM	1657	0.0	OFF	1657	0	0.00	0	63.3	63.3	63.3
11AM-NOON	2257	0.0	OFF	2257	0	0.00	0	62.2	62.2	62.2
NOON-1PM	2306	0.0	OFF	2306	0	0.00	0	62.1	62.1	62.1
1-2 PM	2282	0.0	OFF	2282	0	0.00	0	62.2	62.2	62.2
2-3 PM	2317	0.0	OFF	2317	0	0.00	0	62.0	62.0	62.0
3-4 PM	2331	0.0	OFF	2331	0	0.00	0	62.0	62.0	62.0
4-5 PM	2356	0.0	OFF	2356	0	0.00	0	62.0	62.0	62.0
5-6 PM	2174	0.0	OFF	2174	0	0.00	0	62.3	62.3	62.3
6-7 PM	1998	0.0	1499	1927	71	9.74+	269	62.7	14.9	30.8
7-8 PM	1185	0.0	1499	1185	0	11.28+	301	64.1	13.4	32.7
8-9 PM	949	0.0	1500	949	0	0.79	11	64.6	50.7	41.8
9-10 PM	1098	0.0	1500	1098	0	0.53	0	64.3	54.4	41.4
10-11 PM	951	0.0	1500	951	0	0.51	0	64.6	54.8	41.9
11PM-MID	634	0.0	1500	634	0	0.48	0	65.2	55.8	43.0

"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

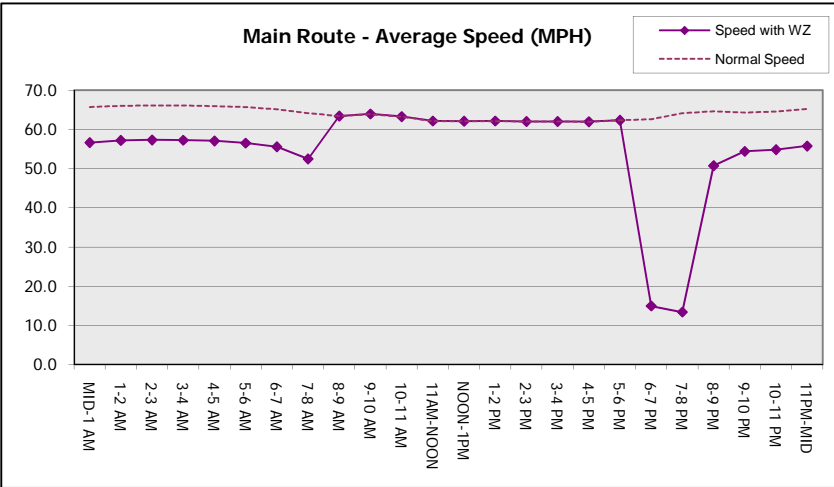
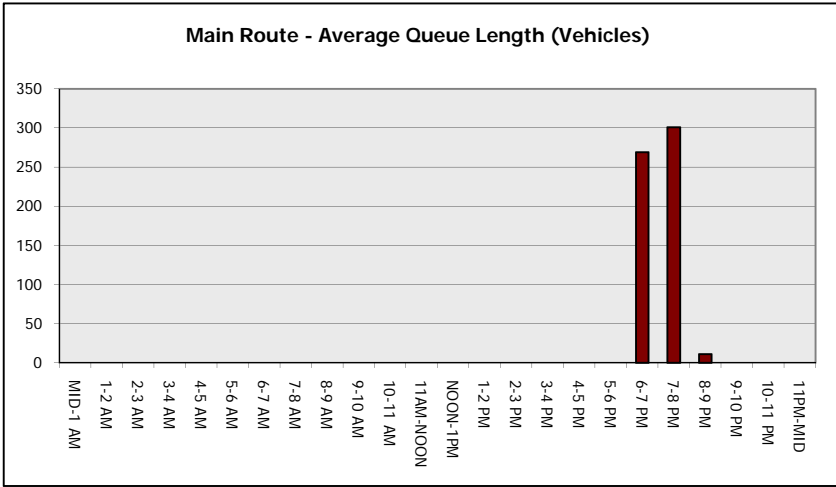
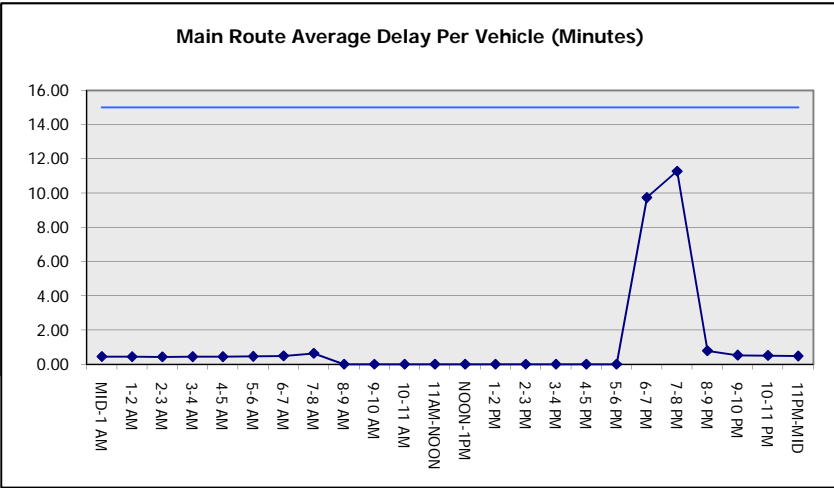
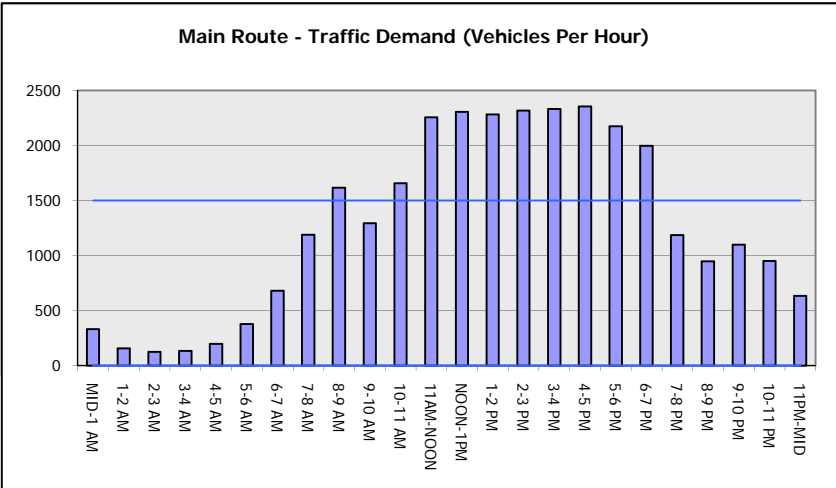
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0151
MAIN ROUTE WITH WORKS	0.0144
'DIVERSION'	0.0001
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$10,527
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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

SATURDAY 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	493	0.0	1500	493	0	0.47	0	65.5	56.1	43.5
1-2 AM	312	0.0	1500	312	0	0.45	0	65.8	56.7	44.2
2-3 AM	241	0.0	1500	241	0	0.45	0	66.0	56.9	44.5
3-4 AM	172	0.0	1500	172	0	0.44	0	66.1	57.1	44.8
4-5 AM	171	0.0	1500	171	0	0.44	0	66.1	57.1	44.8
5-6 AM	343	0.0	1500	343	0	0.46	0	65.8	56.6	44.1
6-7 AM	712	0.0	1500	712	0	0.49	0	65.1	55.5	42.7
7-8 AM	1171	0.0	1499	1171	0	0.63	0	64.2	52.7	38.7
8-9 AM	1631	0.0	OFF	1631	0	0.00	0	63.3	63.3	63.3
9-10 AM	1319	0.0	OFF	1319	0	0.00	0	63.9	63.9	63.9
10-11 AM	1655	0.0	OFF	1655	0	0.00	0	63.3	63.3	63.3
11AM-NOON	2314	0.0	OFF	2314	0	0.00	0	62.1	62.1	62.1
NOON-1PM	2522	0.0	OFF	2522	0	0.00	0	60.7	60.7	60.7
1-2 PM	2375	0.0	OFF	2375	0	0.00	0	62.0	62.0	62.0
2-3 PM	2395	0.0	OFF	2395	0	0.00	0	61.9	61.9	61.9
3-4 PM	2386	0.0	OFF	2386	0	0.00	0	61.9	61.9	61.9
4-5 PM	2183	0.0	OFF	2183	0	0.00	0	62.3	62.3	62.3
5-6 PM	1986	0.0	OFF	1986	0	0.00	0	62.7	62.7	62.7
6-7 PM	1747	0.0	1499	1747	0	6.06	151	63.2	20.6	30.8
7-8 PM	1095	0.0	1499	1095	0	2.61	91	64.3	33.8	37.4
8-9 PM	1072	0.0	1499	1072	0	0.53	0	64.4	54.4	41.2
9-10 PM	1546	0.0	1499	1546	0	1.70	19	63.5	40.2	30.8
10-11 PM	1193	0.0	1500	1193	0	0.79	5	64.1	50.5	38.4
11PM-MID	794	0.0	1500	794	0	0.50	0	64.9	55.3	42.4

"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	0.0157
MAIN ROUTE WITH WORKS	0.0150
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,706
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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