

<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>AUGUST</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	748	0.0	1500	748	0	0.49	0	65.0	55.4	42.6
1-2 AM	379	0.0	1500	379	0	0.46	0	65.7	56.5	44.0
2-3 AM	137	0.0	1500	137	0	0.44	0	66.1	57.3	45.0
3-4 AM	111	0.0	1500	111	0	0.43	0	66.2	57.3	45.0
4-5 AM	139	0.0	1500	139	0	0.44	0	66.1	57.3	45.0
5-6 AM	239	0.0	1500	239	0	0.45	0	66.0	56.9	44.5
6-7 AM	427	0.0	1500	427	0	0.46	0	65.6	56.4	43.8
7-8 AM	634	0.0	1500	634	0	0.48	0	65.2	55.8	43.0
8-9 AM	956	0.0	1499	956	0	0.51	0	64.6	54.8	41.9
9-10 AM	1543	0.0	OFF	1543	0	0.00	0	63.5	63.5	63.5
10-11 AM	2070	0.0	OFF	2070	0	0.00	0	62.5	62.5	62.5
11AM-NOON	2441	0.0	OFF	2441	0	0.00	0	61.5	61.5	61.5
NOON-1PM	2718	0.0	OFF	2718	0	0.00	0	58.7	58.7	58.7
1-2 PM	2689	0.0	OFF	2689	0	0.00	0	58.9	58.9	58.9
2-3 PM	2743	0.0	OFF	2743	0	0.00	0	58.4	58.4	58.4
3-4 PM	2762	0.0	OFF	2762	0	0.00	0	58.2	58.2	58.2
4-5 PM	2771	0.0	OFF	2771	0	0.00	0	58.1	58.1	58.1
5-6 PM	2484	0.0	OFF	2484	0	0.00	0	61.0	61.0	61.0
6-7 PM	2324	0.0	OFF	2324	0	0.00	0	62.0	62.0	62.0
7-8 PM	1834	0.0	1499	1834	0	7.21	191	63.0	18.3	30.8
8-9 PM	1551	0.0	1499	1551	0	15.13+	381	63.5	10.7	30.8
9-10 PM	1159	0.0	1499	1159	0	8.69	242	64.2	16.1	33.6
10-11 PM	685	0.0	1500	685	0	0.53	1	65.1	55.0	42.8
11PM-MID	420	0.0	1500	420	0	0.46	0	65.6	56.4	43.8

"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 (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

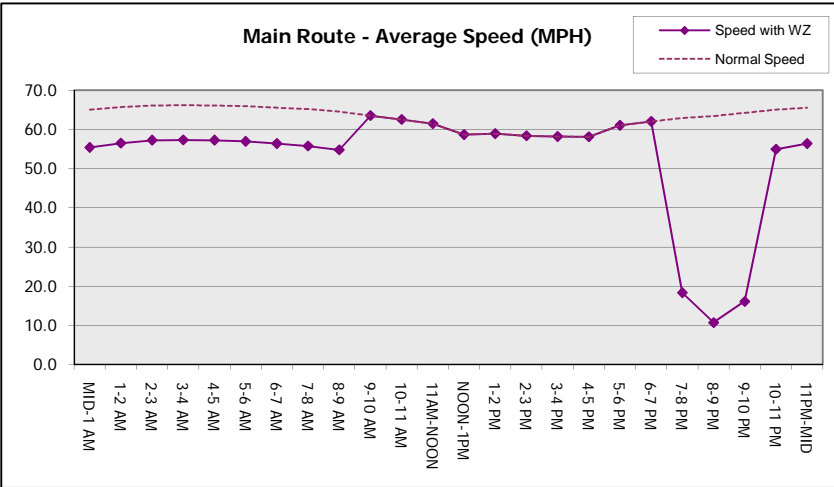
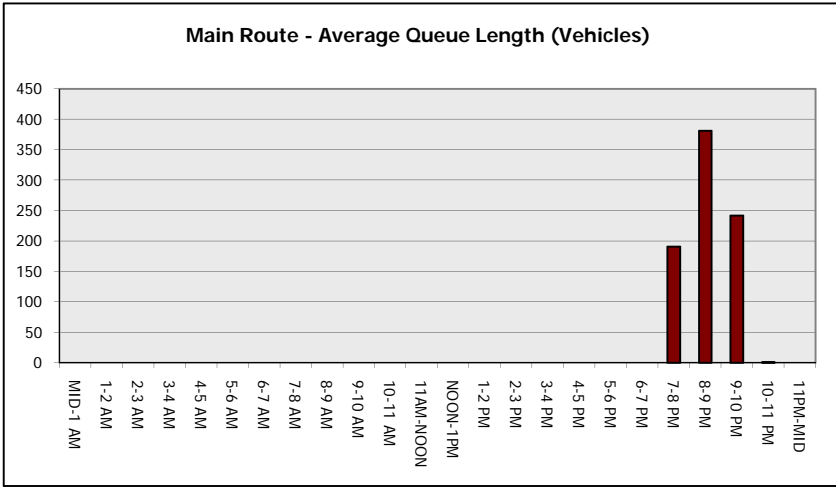
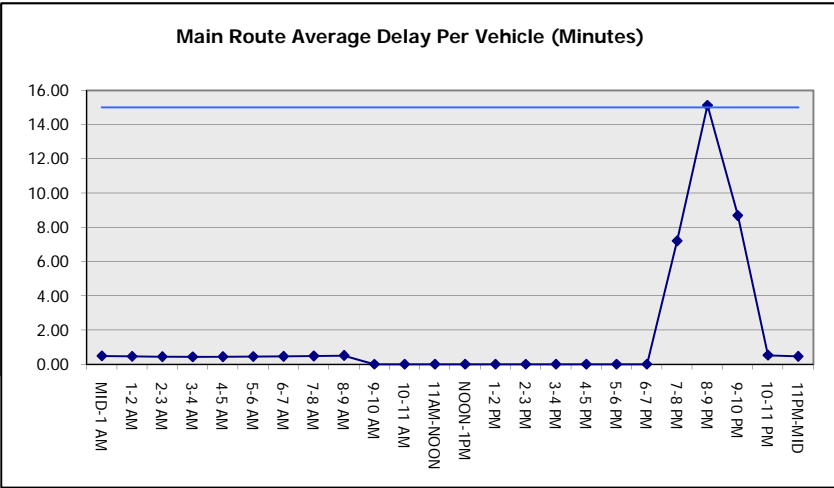
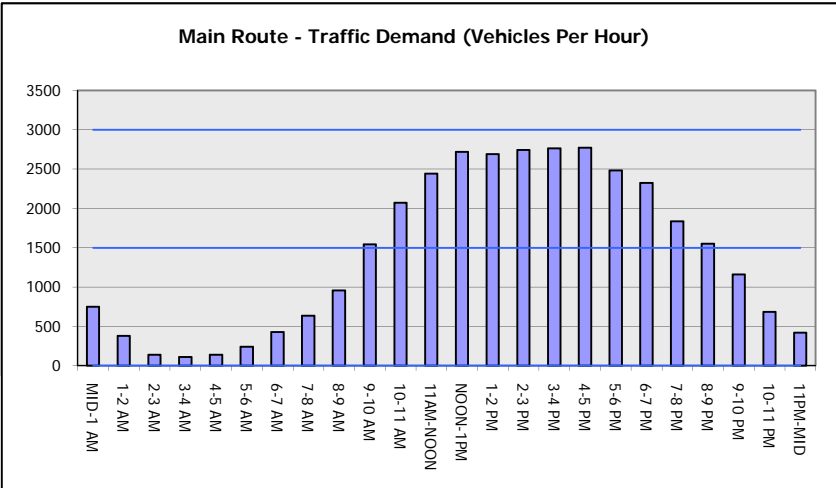
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0168
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$13,516
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
 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>AUGUST</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	570	0.0	1500	570	0	0.48	0	65.3	56.0	43.2
1-2 AM	348	0.0	1500	348	0	0.46	0	65.8	56.6	44.1
2-3 AM	260	0.0	1500	260	0	0.45	0	65.9	56.9	44.5
3-4 AM	166	0.0	1500	166	0	0.44	0	66.1	57.2	44.8
4-5 AM	132	0.0	1500	132	0	0.44	0	66.1	57.3	45.0
5-6 AM	199	0.0	1500	199	0	0.44	0	66.0	57.1	44.7
6-7 AM	374	0.0	1500	374	0	0.46	0	65.7	56.5	44.0
7-8 AM	539	0.0	1500	539	0	0.47	0	65.4	56.0	43.3
8-9 AM	794	0.0	1500	794	0	0.50	0	64.9	55.3	42.4
9-10 AM	1195	0.0	OFF	1195	0	0.00	0	64.1	64.1	64.1
10-11 AM	1601	0.0	OFF	1601	0	0.00	0	63.4	63.4	63.4
11AM-NOON	1892	0.0	OFF	1892	0	0.00	0	62.8	62.8	62.8
NOON-1PM	2161	0.0	OFF	2161	0	0.00	0	62.3	62.3	62.3
1-2 PM	2253	0.0	OFF	2253	0	0.00	0	62.2	62.2	62.2
2-3 PM	2138	0.0	OFF	2138	0	0.00	0	62.4	62.4	62.4
3-4 PM	2216	0.0	OFF	2216	0	0.00	0	62.3	62.3	62.3
4-5 PM	2239	0.0	OFF	2239	0	0.00	0	62.2	62.2	62.2
5-6 PM	1996	0.0	OFF	1996	0	0.00	0	62.7	62.7	62.7
6-7 PM	1743	0.0	OFF	1743	0	0.00	0	63.2	63.2	63.2
7-8 PM	1445	0.0	1499	1445	0	1.08	4	63.7	46.5	32.3
8-9 PM	1084	0.0	1500	1084	0	0.53	0	64.3	54.5	41.4
9-10 PM	1025	0.0	1500	1025	0	0.52	0	64.5	54.6	41.6
10-11 PM	779	0.0	1500	779	0	0.50	0	65.0	55.3	42.5
11PM-MID	507	0.0	1500	507	0	0.47	0	65.5	56.1	43.5

"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	0.0131
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,345
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**

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

