

IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	370	0.0	1500	370	0	0.46	0	65.7	56.5	44.0	
1-2 AM	164	0.0	1500	164	0	0.44	0	66.1	57.2	44.8	
2-3 AM	144	0.0	1500	144	0	0.44	0	66.1	57.3	44.9	
3-4 AM	137	0.0	1500	137	0	0.44	0	66.1	57.3	45.0	
4-5 AM	208	0.0	1500	208	0	0.44	0	66.0	57.0	44.6	
5-6 AM	396	0.0	1500	396	0	0.46	0	65.6	56.4	43.9	
6-7 AM	644	0.0	1500	644	0	0.48	0	65.2	55.7	43.0	
7-8 AM	997	0.0	1499	997	0	0.52	0	64.5	54.7	41.7	
8-9 AM	1465	0.0	OFF	1465	0	0.00	0	63.7	63.7	63.7	
9-10 AM	1813	0.0	OFF	1813	0	0.00	0	63.0	63.0	63.0	
10-11 AM	2095	0.0	OFF	2095	0	0.00	0	62.5	62.5	62.5	
11AM-NOON	2333	0.0	OFF	2333	0	0.00	0	62.0	62.0	62.0	
NOON-1PM	2413	0.0	OFF	2413	0	0.00	0	61.8	61.8	61.8	
1-2 PM	2340	0.0	OFF	2340	0	0.00	0	62.0	62.0	62.0	
2-3 PM	2383	0.0	OFF	2383	0	0.00	0	62.0	62.0	62.0	
3-4 PM	2406	0.0	OFF	2406	0	0.00	0	61.9	61.9	61.9	
4-5 PM	2237	0.0	OFF	2237	0	0.00	0	62.2	62.2	62.2	
5-6 PM	2075	0.0	OFF	2075	0	0.00	0	62.5	62.5	62.5	
6-7 PM	1881	0.0	1499	1881	0	7.64	208	62.9	17.5	30.8	
7-8 PM	1487	0.0	1499	1487	0	15.59+	392	63.6	10.6	30.8	
8-9 PM	1292	0.0	1499	1292	0	10.71	269	64.0	13.7	30.8	
9-10 PM	1306	0.0	1500	1306	0	3.05	75	64.0	31.2	33.0	
10-11 PM	992	0.0	1500	992	0	0.52	0	64.5	54.7	41.7	
11PM-MID	779	0.0	1500	779	0	0.50	0	65.0	55.3	42.5	

"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

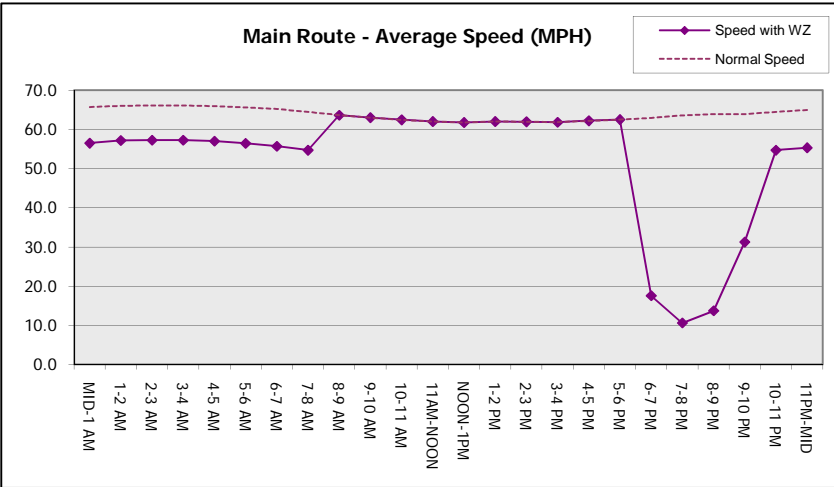
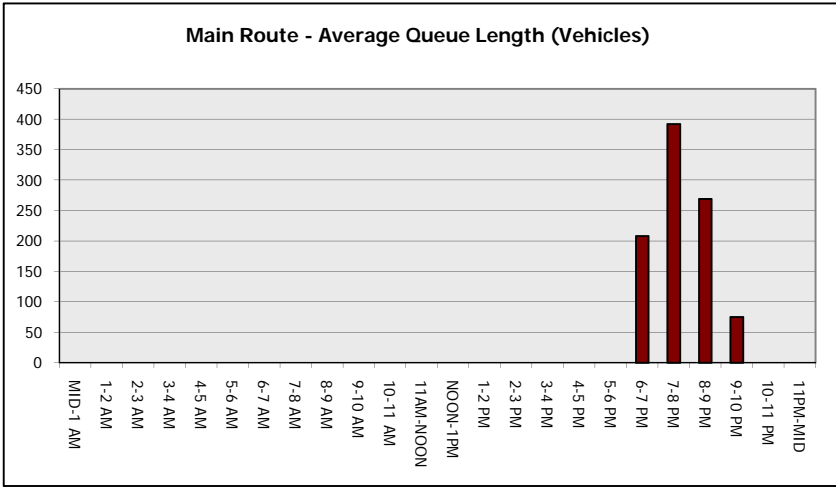
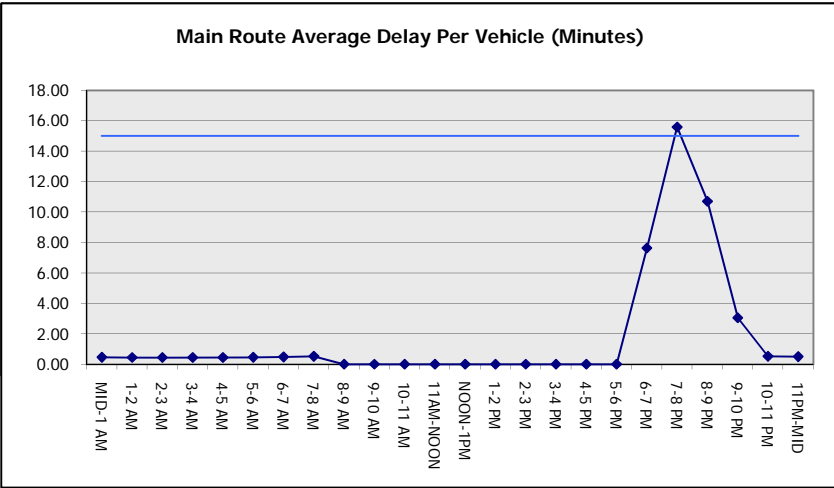
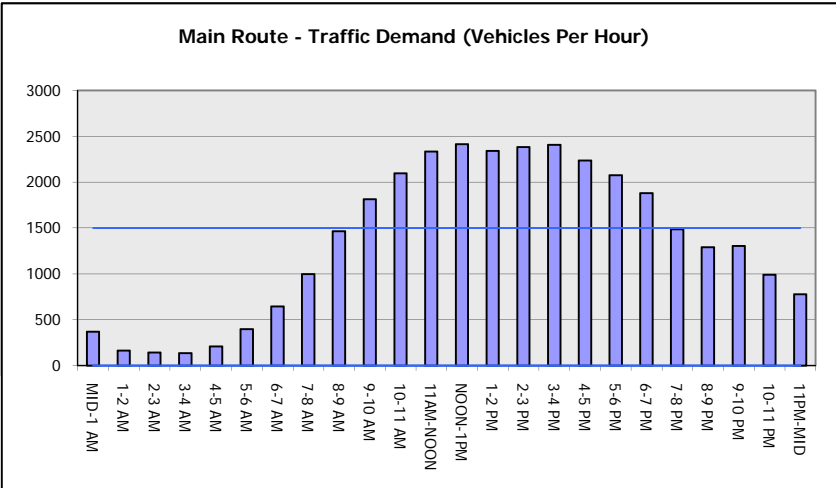
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0160
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$16,184
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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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	580	0.0	1500	580	0	0.48	0	65.3	55.9	43.2
1-2 AM	343	0.0	1500	343	0	0.46	0	65.8	56.6	44.1
2-3 AM	326	0.0	1500	326	0	0.45	0	65.8	56.7	44.2
3-4 AM	205	0.0	1500	205	0	0.44	0	66.0	57.1	44.6
4-5 AM	226	0.0	1500	226	0	0.44	0	66.0	57.0	44.6
5-6 AM	393	0.0	1500	393	0	0.46	0	65.6	56.4	43.9
6-7 AM	701	0.0	1500	701	0	0.49	0	65.1	55.5	42.7
7-8 AM	1079	0.0	1499	1079	0	0.56	0	64.4	53.8	40.4
8-9 AM	1535	0.0	OFF	1535	0	0.00	0	63.5	63.5	63.5
9-10 AM	1926	0.0	OFF	1926	0	0.00	0	62.8	62.8	62.8
10-11 AM	2347	0.0	OFF	2347	0	0.00	0	62.0	62.0	62.0
11AM-NOON	2405	0.0	OFF	2405	0	0.00	0	61.9	61.9	61.9
NOON-1PM	2521	0.0	OFF	2521	0	0.00	0	60.7	60.7	60.7
1-2 PM	2402	0.0	OFF	2402	0	0.00	0	61.9	61.9	61.9
2-3 PM	2424	0.0	OFF	2424	0	0.00	0	61.7	61.7	61.7
3-4 PM	2465	0.0	OFF	2465	0	0.00	0	61.2	61.2	61.2
4-5 PM	2219	0.0	OFF	2219	0	0.00	0	62.2	62.2	62.2
5-6 PM	1988	0.0	OFF	1988	0	0.00	0	62.7	62.7	62.7
6-7 PM	1668	0.0	1499	1668	0	4.58	104	63.3	24.7	30.8
7-8 PM	1327	0.0	1499	1327	0	3.80	89	63.9	27.7	32.2
8-9 PM	1391	0.0	1500	1391	0	0.88	0	63.8	48.9	33.2
9-10 PM	1347	0.0	1500	1347	0	0.83	0	63.9	49.7	34.3
10-11 PM	1100	0.0	1500	1100	0	0.53	0	64.3	54.4	41.4
11PM-MID	757	0.0	1500	757	0	0.50	0	65.0	55.4	42.5

"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	0.0166
MAIN ROUTE WITH WORKS	0.0159
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,013
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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