

IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	293	0.0	1500	293	0	0.45	0	65.8	56.8	44.3	
1-2 AM	169	0.0	1500	169	0	0.44	0	66.1	57.1	44.8	
2-3 AM	141	0.0	1500	141	0	0.44	0	66.1	57.3	44.9	
3-4 AM	155	0.0	1500	155	0	0.44	0	66.1	57.2	44.8	
4-5 AM	365	0.0	1500	365	0	0.46	0	65.7	56.6	44.0	
5-6 AM	1008	0.0	1499	1008	0	0.60	0	64.5	53.5	39.7	
6-7 AM	2318	0.0	1499	1842	476	9.39+	270	62.0	15.4	30.8	
7-8 AM	3074	0.0	1499	1518	1555	15.76+	410	55.0	10.3	30.8	
8-9 AM	2935	0.0	1500	1518	1417	15.85+	410	56.4	10.3	30.8	
9-10 AM	2374	0.0	1500	1502	871	16.07+	408	62.0	10.4	30.8	
10-11 AM	2240	0.0	1500	1501	739	16.08+	407	62.2	10.4	30.8	
11AM-NOON	2377	0.0	1500	1501	876	16.07+	408	62.0	10.4	30.8	
NOON-1PM	2503	0.0	1500	1503	1000	16.02+	408	60.9	10.4	30.8	
1-2 PM	2506	0.0	1500	1503	1003	16.02+	408	60.9	10.4	30.8	
2-3 PM	2676	0.0	1500	1507	1170	15.95+	409	59.1	10.3	30.8	
3-4 PM	2892	0.0	1500	1506	1385	15.87+	410	56.9	10.3	30.8	
4-5 PM	3048	0.0	1500	1504	1544	15.82+	411	55.3	10.3	30.8	
5-6 PM	3042	0.0	1500	1502	1540	15.83+	411	55.3	10.3	30.8	
6-7 PM	2400	0.0	1500	1500	900	16.07+	408	61.9	10.4	30.8	
7-8 PM	1670	0.0	1500	1500	170	16.12+	407	63.3	10.4	30.8	
8-9 PM	1298	0.0	1499	1298	0	12.70+	321	64.0	12.1	30.8	
9-10 PM	1225	0.0	1500	1225	0	2.96	85	64.1	31.7	34.8	
10-11 PM	1004	0.0	1500	1004	0	0.52	0	64.5	54.6	41.7	
11PM-MID	706	0.0	1500	706	0	0.49	0	65.1	55.5	42.7	

+ 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

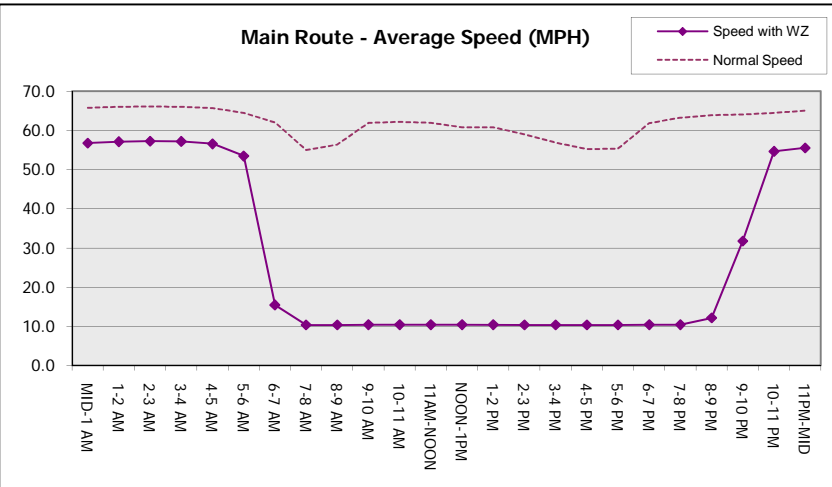
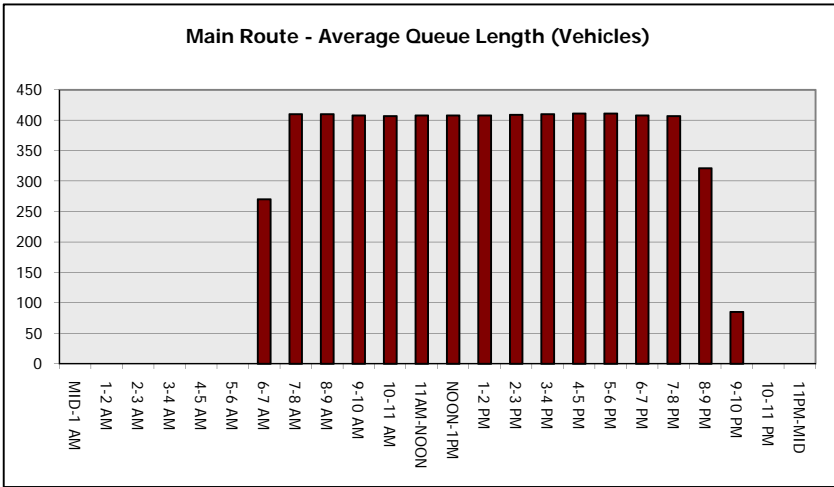
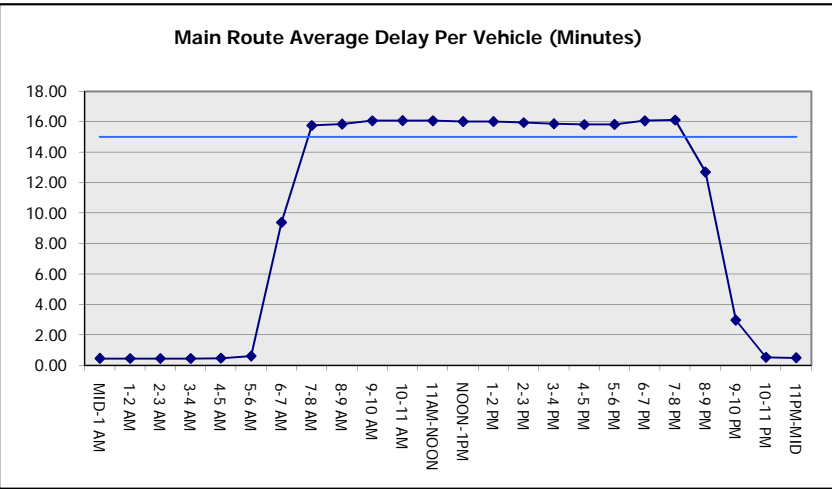
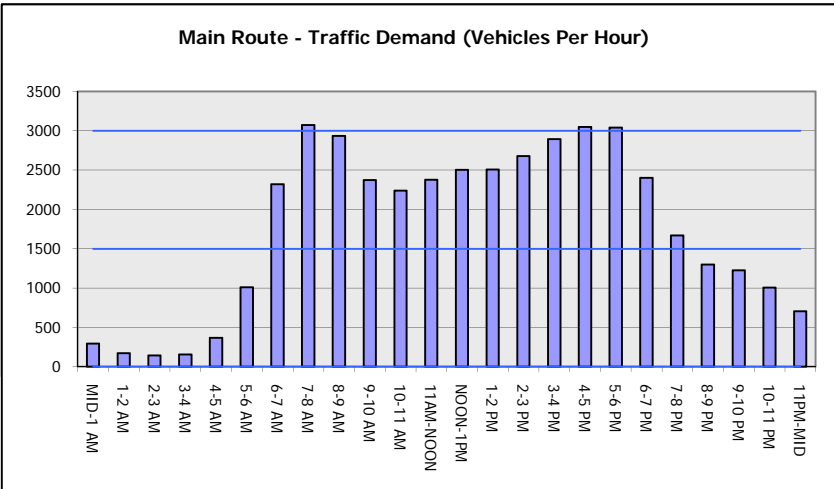
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0209
MAIN ROUTE WITH WORKS	0.0119
'DIVERSION'	0.0167
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$131,984
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	477	0.0	1500	477	0	0.47	0	65.5	56.2	43.6
1-2 AM	265	0.0	1500	265	0	0.45	0	65.9	56.9	44.4
2-3 AM	201	0.0	1500	201	0	0.44	0	66.0	57.1	44.6
3-4 AM	208	0.0	1500	208	0	0.44	0	66.0	57.0	44.6
4-5 AM	303	0.0	1500	303	0	0.45	0	65.8	56.8	44.3
5-6 AM	759	0.0	1500	759	0	0.50	0	65.0	55.4	42.5
6-7 AM	1680	0.0	1499	1680	0	2.19	45	63.3	36.3	30.8
7-8 AM	2226	0.0	1500	1792	434	14.41+	371	62.2	11.1	30.8
8-9 AM	2538	0.0	1499	1488	1051	16.05+	409	60.5	10.3	30.8
9-10 AM	2218	0.0	1499	1497	721	16.08+	407	62.2	10.4	30.8
10-11 AM	2372	0.0	1499	1495	876	16.08+	408	62.0	10.4	30.8
11AM-NOON	2712	0.0	1499	1487	1226	15.96+	410	58.7	10.3	30.8
NOON-1PM	2857	0.0	1499	1487	1369	15.89+	410	57.3	10.3	30.8
1-2 PM	2983	0.0	1499	1493	1490	15.85+	411	56.0	10.3	30.8
2-3 PM	3239	0.0	1499	1499	1740	15.72+	412	53.3	10.3	30.8
3-4 PM	3472	0.0	1500	1500	1972	15.55+	413	50.9	10.3	30.8
4-5 PM	3632	0.0	1500	1500	2132	15.42+	412	49.3	10.3	30.8
5-6 PM	3637	0.0	1500	1500	2137	15.42+	412	49.2	10.3	30.8
6-7 PM	2721	0.0	1500	1498	1223	15.94+	409	58.6	10.3	30.8
7-8 PM	2048	0.0	1500	1500	549	16.09+	407	62.6	10.4	30.8
8-9 PM	1670	0.0	1500	1500	170	16.12+	407	63.3	10.4	30.8
9-10 PM	1627	0.0	1499	1500	128	16.12+	407	63.3	10.4	30.8
10-11 PM	1674	0.0	1499	1500	174	16.12+	407	63.3	10.4	30.8
11PM-MID	1059	0.0	1499	1059	0	7.00+	233	64.4	18.9	35.7

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0230
MAIN ROUTE WITH WORKS	0.0125
'DIVERSION'	0.0199

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$151,558
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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