

IH 43: STH 57/167 TO STH 100 (MILWAUKEE AND OZAUKEE COUNTIES) OFF-PEAK DAY 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	OFF	293	0	0.00	0	65.8	65.8	65.8
1-2 AM	169	0.0	OFF	169	0	0.00	0	66.1	66.1	66.1
2-3 AM	141	0.0	OFF	141	0	0.00	0	66.1	66.1	66.1
3-4 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
4-5 AM	365	0.0	OFF	365	0	0.00	0	65.7	65.7	65.7
5-6 AM	1008	0.0	OFF	1008	0	0.00	0	64.5	64.5	64.5
6-7 AM	2318	0.0	OFF	2318	0	0.00	0	62.0	62.0	62.0
7-8 AM	3074	0.0	OFF	3074	0	0.00	0	55.0	55.0	55.0
8-9 AM	2935	0.0	OFF	2935	0	0.00	0	56.4	56.4	56.4
9-10 AM	2374	0.0	1499	1977	397	12.44+	324	62.0	12.4	30.8
10-11 AM	2240	0.0	1499	1495	745	16.09+	408	62.2	10.4	30.8
11AM-NOON	2377	0.0	1499	1492	884	16.10+	408	62.0	10.3	30.8
NOON-1PM	2503	0.0	1499	1490	1013	16.05+	409	60.9	10.3	30.8
1-2 PM	2506	0.0	1499	1492	1013	16.04+	408	60.9	10.3	30.8
2-3 PM	2676	0.0	1499	1489	1187	15.97+	409	59.1	10.3	30.8
3-4 PM	2892	0.0	1499	1489	1403	15.88+	410	56.9	10.3	30.8
4-5 PM	3048	0.0	OFF	3048	0	1.71	94	55.3	36.6	36.6
5-6 PM	3042	0.0	OFF	3042	0	0.00	0	55.3	55.3	55.3
6-7 PM	2400	0.0	OFF	2400	0	0.00	0	61.9	61.9	61.9
7-8 PM	1670	0.0	OFF	1670	0	0.00	0	63.3	63.3	63.3
8-9 PM	1298	0.0	OFF	1298	0	0.00	0	64.0	64.0	64.0
9-10 PM	1225	0.0	OFF	1225	0	0.00	0	64.1	64.1	64.1
10-11 PM	1004	0.0	OFF	1004	0	0.00	0	64.5	64.5	64.5
11PM-MID	706	0.0	OFF	706	0	0.00	0	65.1	65.1	65.1

"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

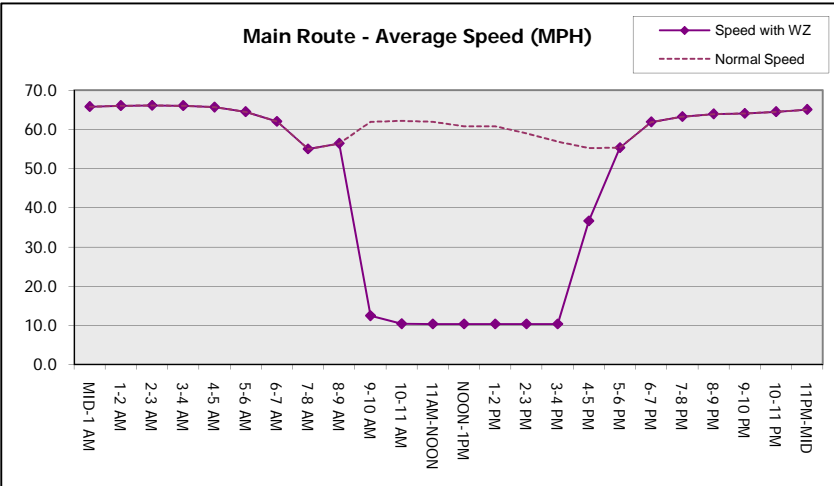
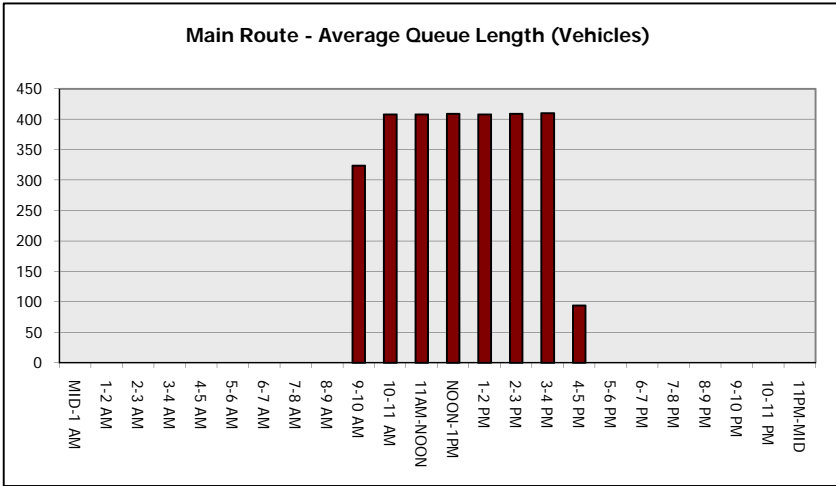
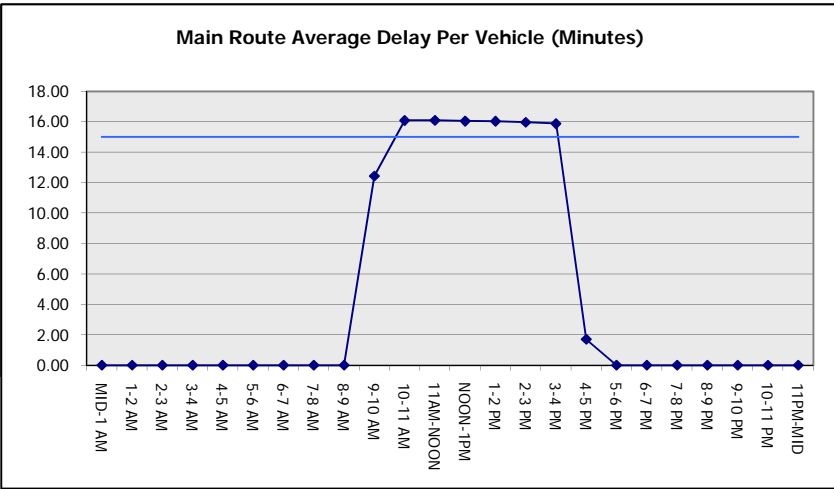
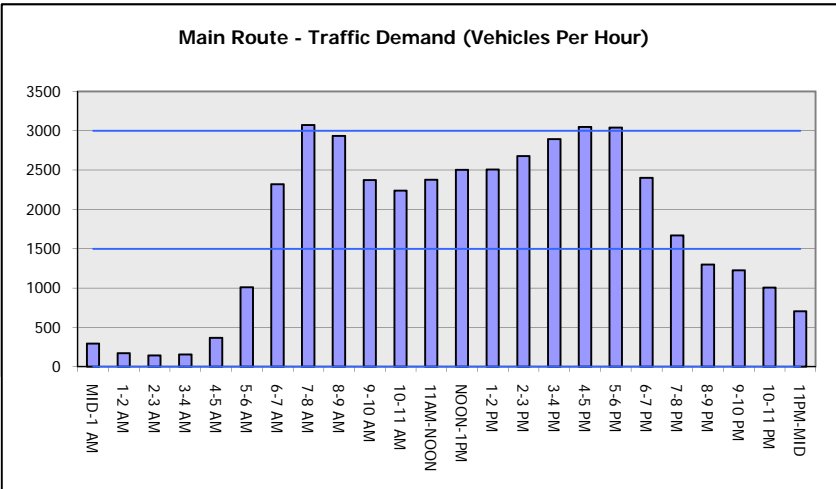
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0209
MAIN ROUTE WITH WORKS	0.0169
'DIVERSION'	0.0076
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,060
CONGESTED HOURS PER DAY*	7

*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	OFF	477	0	0.00	0	65.5	65.5	65.5
1-2 AM	265	0.0	OFF	265	0	0.00	0	65.9	65.9	65.9
2-3 AM	201	0.0	OFF	201	0	0.00	0	66.0	66.0	66.0
3-4 AM	208	0.0	OFF	208	0	0.00	0	66.0	66.0	66.0
4-5 AM	303	0.0	OFF	303	0	0.00	0	65.8	65.8	65.8
5-6 AM	759	0.0	OFF	759	0	0.00	0	65.0	65.0	65.0
6-7 AM	1680	0.0	OFF	1680	0	0.00	0	63.3	63.3	63.3
7-8 AM	2226	0.0	OFF	2226	0	0.00	0	62.2	62.2	62.2
8-9 AM	2538	0.0	OFF	2538	0	0.00	0	60.5	60.5	60.5
9-10 AM	2218	0.0	1499	1870	348	10.90+	296	62.2	13.8	30.8
10-11 AM	2372	0.0	1500	1503	868	16.08+	408	62.0	10.4	30.8
11AM-NOON	2712	0.0	1500	1512	1201	15.95+	409	58.7	10.3	30.8
NOON-1PM	2857	0.0	1500	1511	1346	15.88+	410	57.3	10.3	30.8
1-2 PM	2983	0.0	1500	1507	1476	15.84+	411	56.0	10.3	30.8
2-3 PM	3239	0.0	1500	1501	1739	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	OFF	3632	0	3.61	219	49.3	25.2	25.2
5-6 PM	3637	0.0	OFF	3637	0	0.05	1	49.2	48.6	48.6
6-7 PM	2721	0.0	OFF	2721	0	0.00	0	58.6	58.6	58.6
7-8 PM	2048	0.0	OFF	2048	0	0.00	0	62.6	62.6	62.6
8-9 PM	1670	0.0	OFF	1670	0	0.00	0	63.3	63.3	63.3
9-10 PM	1627	0.0	OFF	1627	0	0.00	0	63.3	63.3	63.3
10-11 PM	1674	0.0	OFF	1674	0	0.00	0	63.3	63.3	63.3
11PM-MID	1059	0.0	OFF	1059	0	0.00	0	64.4	64.4	64.4

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

+ 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	0.0178
'DIVERSION'	0.0102

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$69,472
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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