

IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY WESTBOUND 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	1052	0.0	OFF	1052	0	0.00	0	69.4	69.4	69.4	
1-2 AM	757	0.0	OFF	757	0	0.00	0	69.8	69.8	69.8	
2-3 AM	773	0.0	OFF	773	0	0.00	0	69.8	69.8	69.8	
3-4 AM	469	0.0	OFF	469	0	0.00	0	70.2	70.2	70.2	
4-5 AM	576	0.0	OFF	576	0	0.00	0	70.0	70.0	70.0	
5-6 AM	947	0.0	OFF	947	0	0.00	0	69.6	69.6	69.6	
6-7 AM	1276	0.0	OFF	1276	0	0.00	0	69.1	69.1	69.1	
7-8 AM	1778	0.0	OFF	1778	0	0.00	0	68.5	68.5	68.5	
8-9 AM	2332	0.0	1499	1904	427	11.65+	301	67.8	14.2	30.8	
9-10 AM	1964	0.0	1500	1500	464	16.35+	400	68.3	10.8	30.8	
10-11 AM	2587	0.0	1500	1500	1087	16.32+	400	67.5	10.8	30.8	
11AM-NOON	3632	0.0	1500	1500	2132	16.25+	400	66.1	10.8	30.8	
NOON-1PM	3865	0.0	1500	1500	2365	16.17+	400	64.5	10.8	30.8	
1-2 PM	3807	0.0	1500	1500	2307	16.19+	400	64.8	10.8	30.8	
2-3 PM	3770	0.0	1500	1500	2270	16.20+	400	65.1	10.8	30.8	
3-4 PM	3666	0.0	1500	1500	2166	16.24+	400	65.8	10.8	30.8	
4-5 PM	3459	0.0	1500	1500	1959	16.27+	400	66.4	10.8	30.8	
5-6 PM	3133	0.0	1500	1500	1633	16.28+	400	66.8	10.8	30.8	
6-7 PM	2751	0.0	OFF	2751	0	0.27	25	67.3	61.9	61.9	
7-8 PM	1799	0.0	OFF	1799	0	0.00	0	68.5	68.5	68.5	
8-9 PM	1749	0.0	OFF	1749	0	0.00	0	68.6	68.6	68.6	
9-10 PM	2408	0.0	OFF	2408	0	0.00	0	67.8	67.8	67.8	
10-11 PM	1938	0.0	OFF	1938	0	0.00	0	68.3	68.3	68.3	
11PM-MID	1501	0.0	OFF	1501	0	0.00	0	68.9	68.9	68.9	

"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

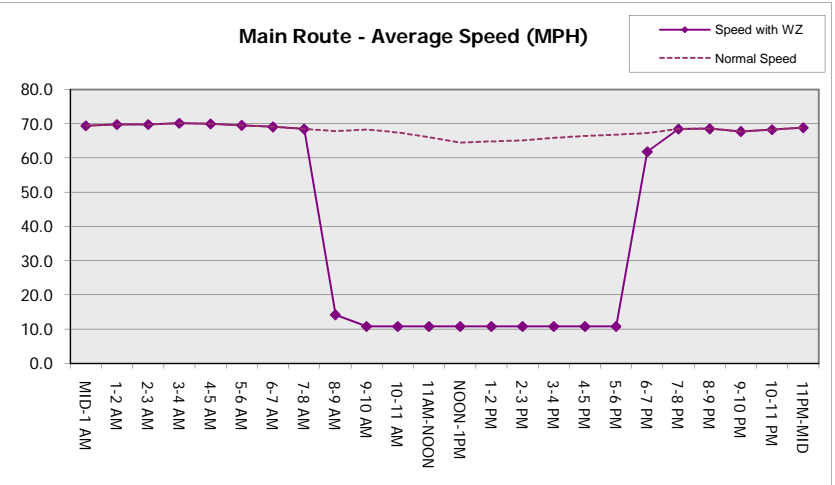
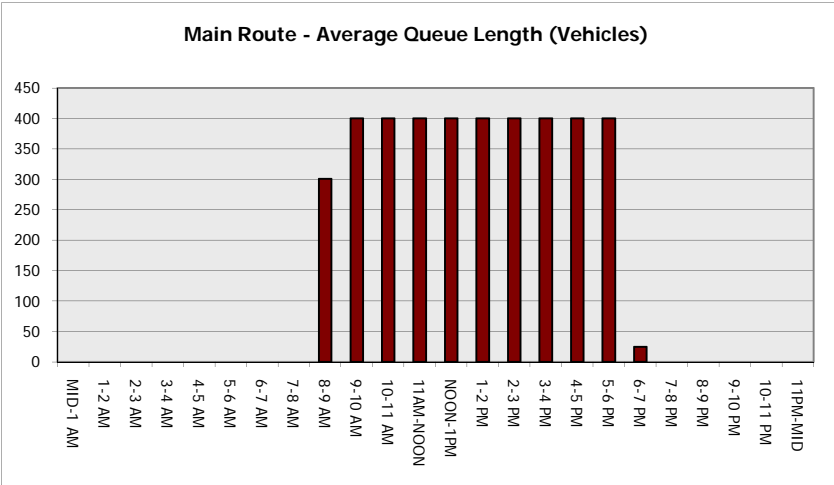
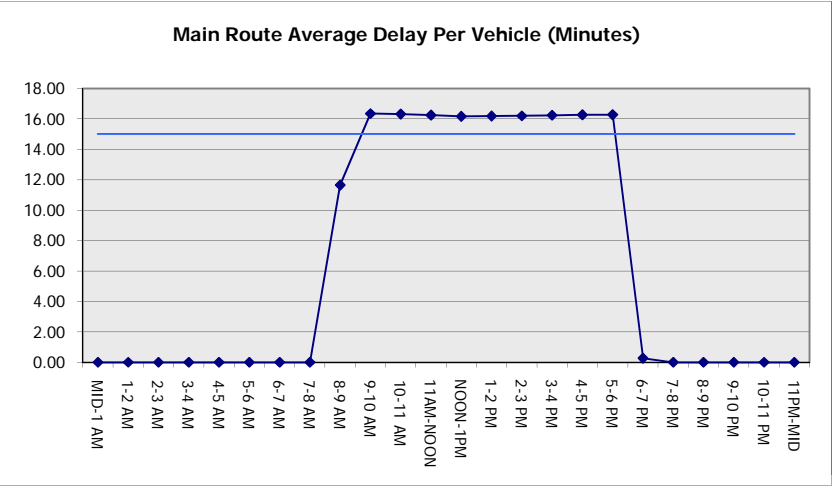
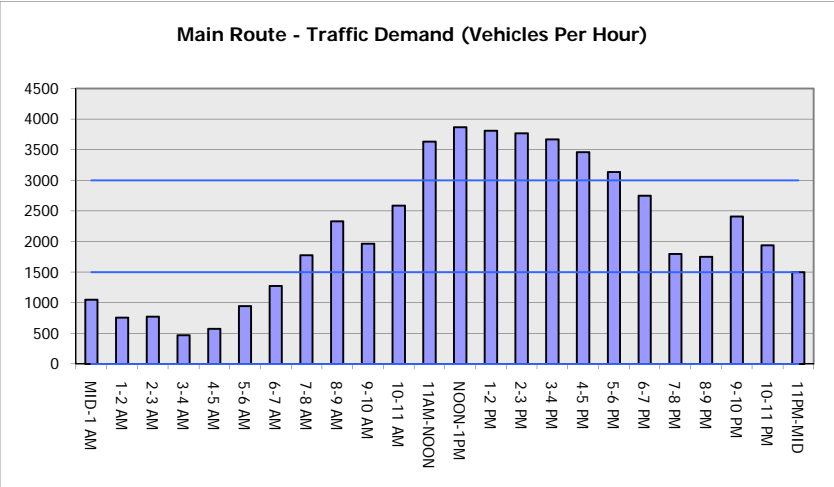
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0289
MAIN ROUTE WITH WORKS	0.0186
'DIVERSION'	0.0217
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$141,100
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY EASTBOUND 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	928	0.0	OFF	928	0	0.00	0	69.6	69.6	69.6
1-2 AM	540	0.0	OFF	540	0	0.00	0	70.0	70.0	70.0
2-3 AM	452	0.0	OFF	452	0	0.00	0	70.2	70.2	70.2
3-4 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2
4-5 AM	382	0.0	OFF	382	0	0.00	0	70.2	70.2	70.2
5-6 AM	796	0.0	OFF	796	0	0.00	0	69.7	69.7	69.7
6-7 AM	1243	0.0	OFF	1243	0	0.00	0	69.2	69.2	69.2
7-8 AM	1785	0.0	OFF	1785	0	0.00	0	68.5	68.5	68.5
8-9 AM	2227	0.0	1499	1861	365	11.00+	290	67.9	14.9	30.8
9-10 AM	1816	0.0	1500	1504	312	16.34+	399	68.5	10.8	30.8
10-11 AM	2320	0.0	1500	1500	820	16.33+	400	67.9	10.8	30.8
11AM-NOON	3208	0.0	1500	1500	1708	16.28+	400	66.8	10.8	30.8
NOON-1PM	3397	0.0	1500	1500	1897	16.27+	399	66.5	10.8	30.8
1-2 PM	3314	0.0	1500	1500	1814	16.27+	400	66.6	10.8	30.8
2-3 PM	3613	0.0	1500	1500	2113	16.25+	400	66.2	10.8	30.8
3-4 PM	3749	0.0	1500	1500	2249	16.21+	400	65.3	10.8	30.8
4-5 PM	3824	0.0	1500	1500	2324	16.18+	400	64.7	10.8	30.8
5-6 PM	3735	0.0	1500	1500	2235	16.21+	400	65.3	10.8	30.8
6-7 PM	3415	0.0	OFF	3415	0	0.33	25	66.5	60.2	60.2
7-8 PM	2164	0.0	OFF	2164	0	0.00	0	68.1	68.1	68.1
8-9 PM	1972	0.0	OFF	1972	0	0.00	0	68.3	68.3	68.3
9-10 PM	2307	0.0	OFF	2307	0	0.00	0	67.9	67.9	67.9
10-11 PM	1909	0.0	OFF	1909	0	0.00	0	68.4	68.4	68.4
11PM-MID	1407	0.0	OFF	1407	0	0.00	0	69.0	69.0	69.0

"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	0.0283
MAIN ROUTE WITH WORKS	0.0185
'DIVERSION'	0.0204

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$136,484
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

