

IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY) OFF-PEAK DAY 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	3000	2332	0	0.33	0	67.8	61.3	49.7	
9-10 AM	1964	0.0	3000	1964	0	0.34	0	68.3	61.6	49.7	
10-11 AM	2587	0.0	2999	2587	0	0.46	0	67.5	58.9	45.1	
11AM-NOON	3632	0.0	2999	3632	0	4.73	275	66.1	26.5	37.3	
NOON-1PM	3865	0.0	2999	3225	641	15.27+	810	64.5	12.5	37.3	
1-2 PM	3807	0.0	2999	2995	811	15.76+	834	64.8	12.3	37.3	
2-3 PM	3770	0.0	2999	2996	773	15.77+	834	65.1	12.3	37.3	
3-4 PM	3666	0.0	2999	2997	669	15.80+	834	65.8	12.3	37.3	
4-5 PM	3459	0.0	2999	2998	461	15.82+	833	66.4	12.3	37.3	
5-6 PM	3133	0.0	3000	2989	144	15.81+	831	66.8	12.3	37.3	
6-7 PM	2751	0.0	OFF	2751	0	1.11	106	67.3	49.6	49.6	
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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

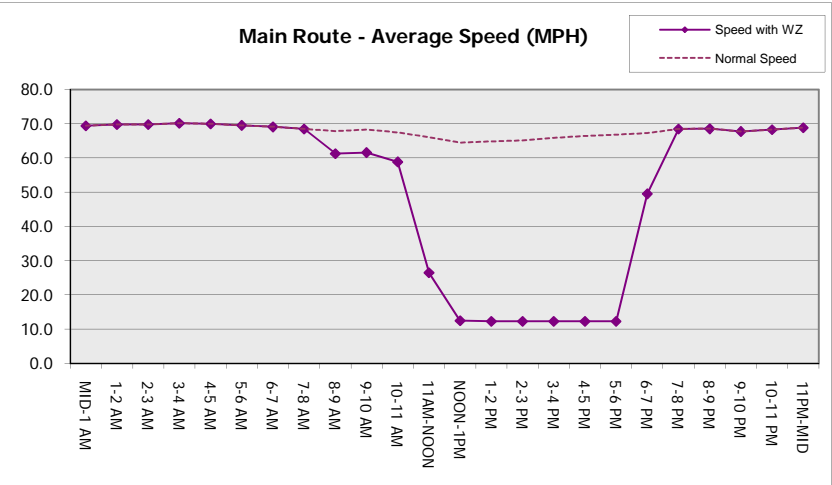
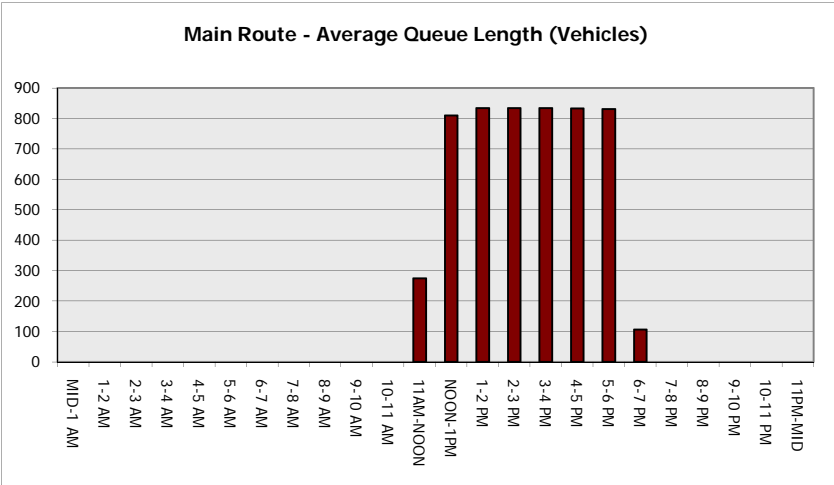
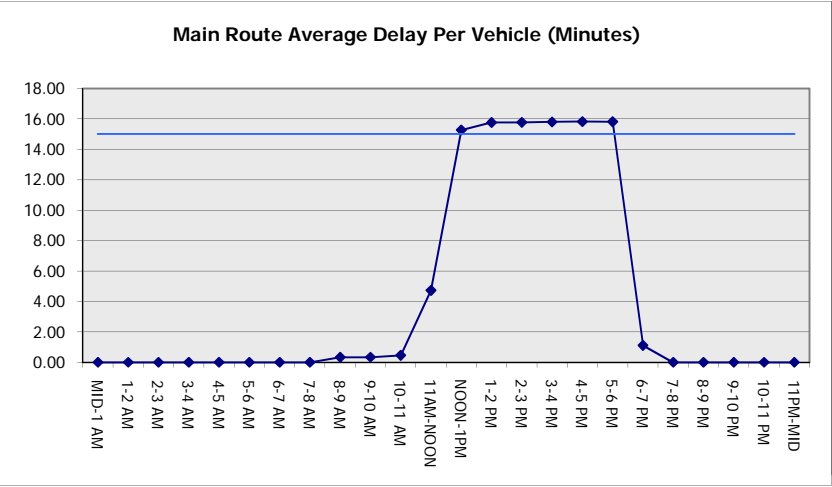
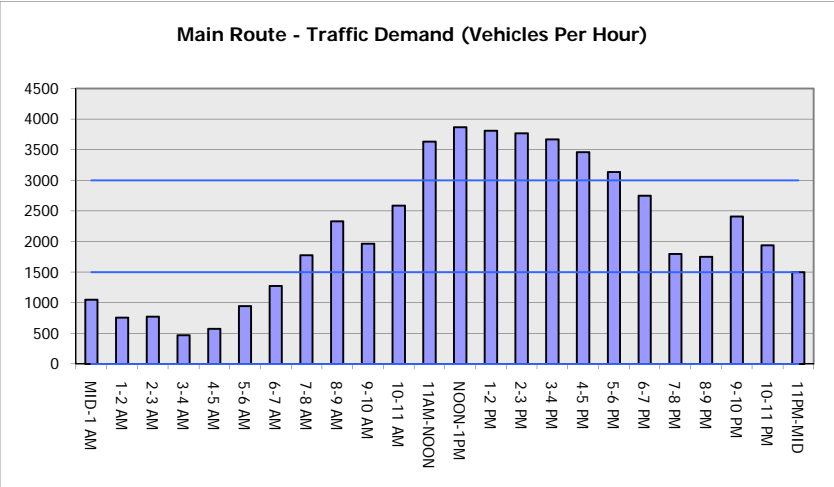
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0289
MAIN ROUTE WITH WORKS	0.0251
'DIVERSION'	0.0045
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$97,266
CONGESTED HOURS PER DAY*	6

*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	3000	2227	0	0.33	0	67.9	61.4	49.7
9-10 AM	1816	0.0	3000	1816	0	0.34	0	68.5	61.7	49.7
10-11 AM	2320	0.0	2999	2320	0	0.36	0	67.9	60.7	48.3
11AM-NOON	3208	0.0	2999	3208	0	1.82	70	66.8	42.3	37.3
NOON-1PM	3397	0.0	3000	3397	0	7.68	402	66.5	19.4	37.3
1-2 PM	3314	0.0	2999	3229	85	14.14+	743	66.6	13.0	37.3
2-3 PM	3613	0.0	2999	3000	613	15.82+	833	66.2	12.3	37.3
3-4 PM	3749	0.0	3000	3000	749	15.77+	834	65.3	12.3	37.3
4-5 PM	3824	0.0	3000	3000	824	15.75+	834	64.7	12.3	37.3
5-6 PM	3735	0.0	3000	3000	734	15.78+	834	65.3	12.3	37.3
6-7 PM	3415	0.0	OFF	3415	0	1.58	134	66.5	44.3	44.3
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	0.0248
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,110
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

