

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

FRIDAY 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	782	0.0	OFF	782	0	0.00	0	69.7	69.7	69.7	
1-2 AM	531	0.0	OFF	531	0	0.00	0	70.0	70.0	70.0	
2-3 AM	529	0.0	OFF	529	0	0.00	0	70.0	70.0	70.0	
3-4 AM	451	0.0	OFF	451	0	0.00	0	70.2	70.2	70.2	
4-5 AM	809	0.0	OFF	809	0	0.00	0	69.7	69.7	69.7	
5-6 AM	1784	0.0	OFF	1784	0	0.00	0	68.5	68.5	68.5	
6-7 AM	2947	0.0	OFF	2947	0	0.00	0	67.1	67.1	67.1	
7-8 AM	3295	0.0	OFF	3295	0	0.00	0	66.6	66.6	66.6	
8-9 AM	3132	0.0	OFF	3132	0	0.00	0	66.8	66.8	66.8	
9-10 AM	2814	0.0	OFF	2814	0	0.00	0	67.3	67.3	67.3	
10-11 AM	2878	0.0	2999	2878	0	0.65	0	67.1	55.6	39.2	
11AM-NOON	3407	0.0	2999	3407	0	3.35	173	66.5	32.3	37.3	
NOON-1PM	3851	0.0	3000	3400	451	13.36+	719	64.5	13.5	37.3	
1-2 PM	3968	0.0	3000	3013	955	15.72+	836	63.7	12.3	37.3	
2-3 PM	4487	0.0	3000	3023	1464	15.73+	849	60.2	12.2	37.3	
3-4 PM	5431	0.0	OFF	5431	0	5.90	559	53.8	21.4	21.4	
4-5 PM	5780	0.0	OFF	5780	0	1.78	165	51.4	35.8	35.8	
5-6 PM	5059	0.0	OFF	5059	0	0.04	1	56.3	55.6	55.6	
6-7 PM	3729	0.0	OFF	3729	0	0.00	0	65.4	65.4	65.4	
7-8 PM	2787	0.0	OFF	2787	0	0.00	0	67.3	67.3	67.3	
8-9 PM	2300	0.0	OFF	2300	0	0.00	0	67.9	67.9	67.9	
9-10 PM	2219	0.0	OFF	2219	0	0.00	0	68.0	68.0	68.0	
10-11 PM	2156	0.0	OFF	2156	0	0.00	0	68.1	68.1	68.1	
11PM-MID	1483	0.0	OFF	1483	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	0.0371
MAIN ROUTE WITH WORKS	0.0344
'DIVERSION'	0.0037
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,324
CONGESTED HOURS PER DAY*	3

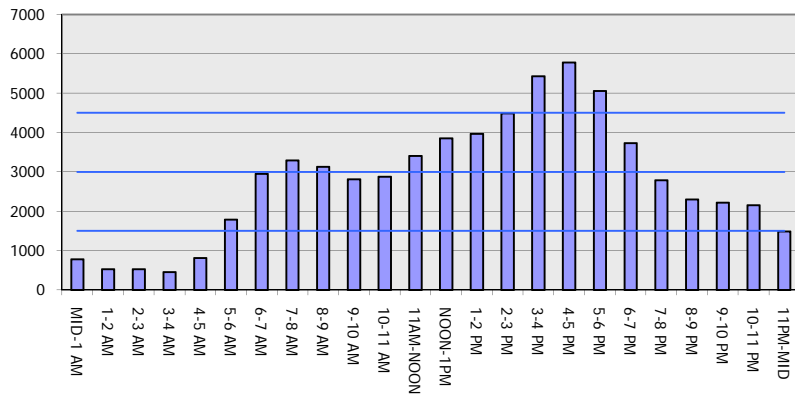
*Delays Exceeding User-Specified Maximum

IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)
OFF-PEAK DAY CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

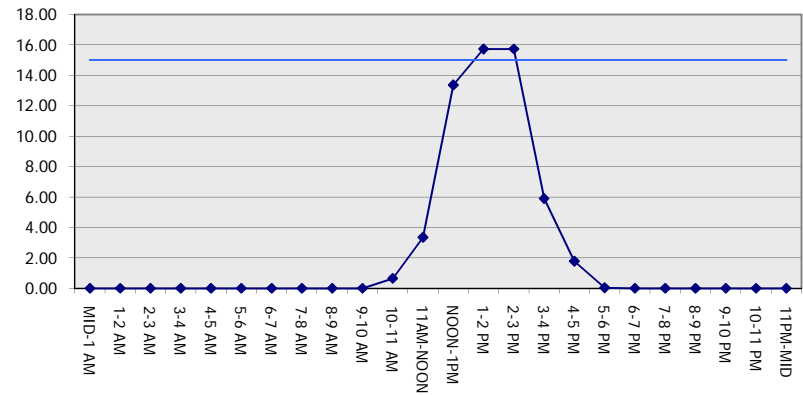
MAY
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION

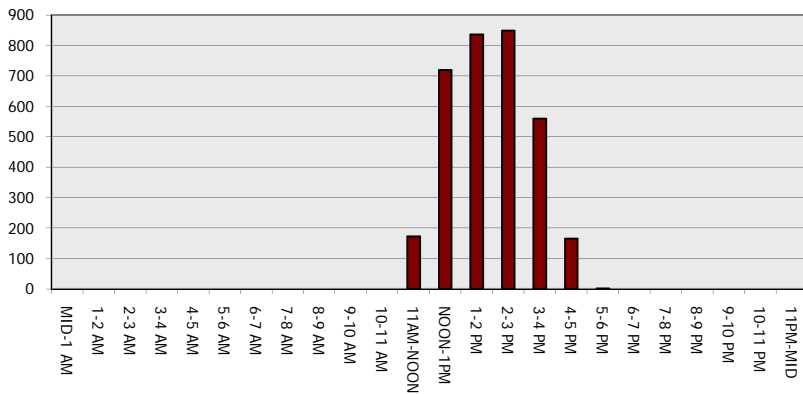
Main Route - Traffic Demand (Vehicles Per Hour)



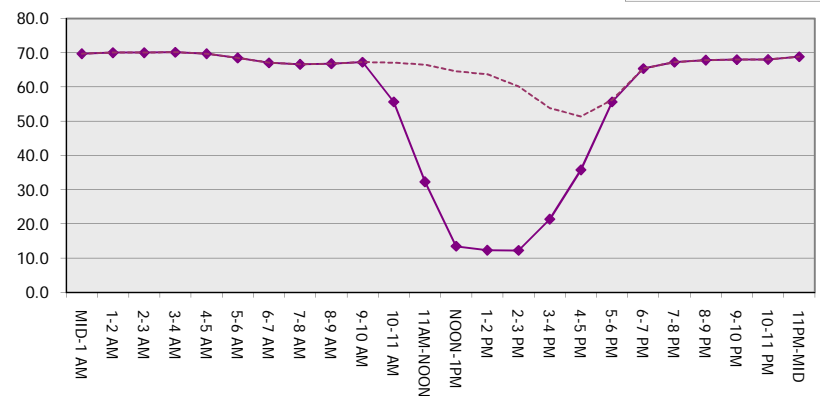
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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

FRIDAY 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	682	0.0	OFF	682	0	0.00	0	69.9	69.9	69.9
1-2 AM	392	0.0	OFF	392	0	0.00	0	70.2	70.2	70.2
2-3 AM	361	0.0	OFF	361	0	0.00	0	70.2	70.2	70.2
3-4 AM	355	0.0	OFF	355	0	0.00	0	70.2	70.2	70.2
4-5 AM	592	0.0	OFF	592	0	0.00	0	70.0	70.0	70.0
5-6 AM	2031	0.0	OFF	2031	0	0.00	0	68.2	68.2	68.2
6-7 AM	4423	0.0	OFF	4423	0	0.00	0	60.6	60.6	60.6
7-8 AM	5702	0.0	OFF	5702	0	0.00	0	51.9	51.9	51.9
8-9 AM	4501	0.0	OFF	4501	0	0.00	0	60.1	60.1	60.1
9-10 AM	3245	0.0	OFF	3245	0	0.00	0	66.7	66.7	66.7
10-11 AM	2890	0.0	2999	2890	0	0.66	0	67.1	55.5	39.0
11AM-NOON	3281	0.0	2999	3281	0	2.73	126	66.6	35.7	37.3
NOON-1PM	3348	0.0	2999	3348	0	8.61	448	66.6	17.8	37.3
1-2 PM	3466	0.0	3000	3204	262	14.84+	781	66.4	12.7	37.3
2-3 PM	3819	0.0	3000	3001	818	15.75+	834	64.8	12.3	37.3
3-4 PM	4130	0.0	OFF	4130	0	2.19	185	62.7	37.9	37.9
4-5 PM	4035	0.0	OFF	4035	0	0.00	0	63.3	63.3	63.3
5-6 PM	4068	0.0	OFF	4068	0	0.00	0	63.1	63.1	63.1
6-7 PM	3832	0.0	OFF	3832	0	0.00	0	64.6	64.6	64.6
7-8 PM	3324	0.0	OFF	3324	0	0.00	0	66.6	66.6	66.6
8-9 PM	2702	0.0	OFF	2702	0	0.00	0	67.4	67.4	67.4
9-10 PM	2620	0.0	OFF	2620	0	0.00	0	67.5	67.5	67.5
10-11 PM	2122	0.0	OFF	2122	0	0.00	0	68.1	68.1	68.1
11PM-MID	1535	0.0	OFF	1535	0	0.00	0	68.8	68.8	68.8

"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	0.0376
MAIN ROUTE WITH WORKS	0.0359
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,248
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

