

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

MON-THUR 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	563	0.0	OFF	563	0	0.00	0	70.0	70.0	70.0
1-2 AM	398	0.0	OFF	398	0	0.00	0	70.2	70.2	70.2
2-3 AM	370	0.0	OFF	370	0	0.00	0	70.2	70.2	70.2
3-4 AM	367	0.0	OFF	367	0	0.00	0	70.2	70.2	70.2
4-5 AM	750	0.0	OFF	750	0	0.00	0	69.8	69.8	69.8
5-6 AM	1750	0.0	OFF	1750	0	0.00	0	68.6	68.6	68.6
6-7 AM	2897	0.0	OFF	2897	0	0.00	0	67.1	67.1	67.1
7-8 AM	3191	0.0	OFF	3191	0	0.00	0	66.8	66.8	66.8
8-9 AM	2867	0.0	OFF	2867	0	0.00	0	67.2	67.2	67.2
9-10 AM	2449	0.0	OFF	2449	0	0.00	0	67.7	67.7	67.7
10-11 AM	2603	0.0	3000	2603	0	0.47	0	67.5	58.6	44.5
11AM-NOON	2905	0.0	2999	2905	0	0.67	0	67.1	55.3	38.8
NOON-1PM	3193	0.0	2999	3193	0	2.08	83	66.8	40.2	37.3
1-2 PM	3340	0.0	2999	3340	0	6.43	330	66.6	21.9	37.3
2-3 PM	4241	0.0	3000	3369	872	14.94+	804	61.9	12.5	37.3
3-4 PM	5009	0.0	OFF	5009	0	4.56	410	56.6	25.4	25.4
4-5 PM	5568	0.0	OFF	5568	0	0.00	0	52.8	52.8	52.8
5-6 PM	5550	0.0	OFF	5550	0	0.00	0	52.9	52.9	52.9
6-7 PM	3587	0.0	OFF	3587	0	0.00	0	66.3	66.3	66.3
7-8 PM	2524	0.0	OFF	2524	0	0.00	0	67.6	67.6	67.6
8-9 PM	2128	0.0	OFF	2128	0	0.00	0	68.1	68.1	68.1
9-10 PM	1973	0.0	OFF	1973	0	0.00	0	68.3	68.3	68.3
10-11 PM	1525	0.0	OFF	1525	0	0.00	0	68.9	68.9	68.9
11PM-MID	966	0.0	OFF	966	0	0.00	0	69.6	69.6	69.6

"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

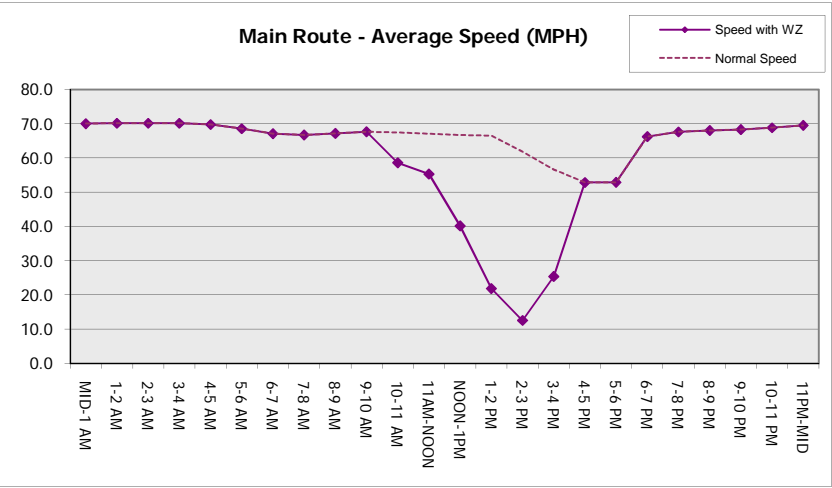
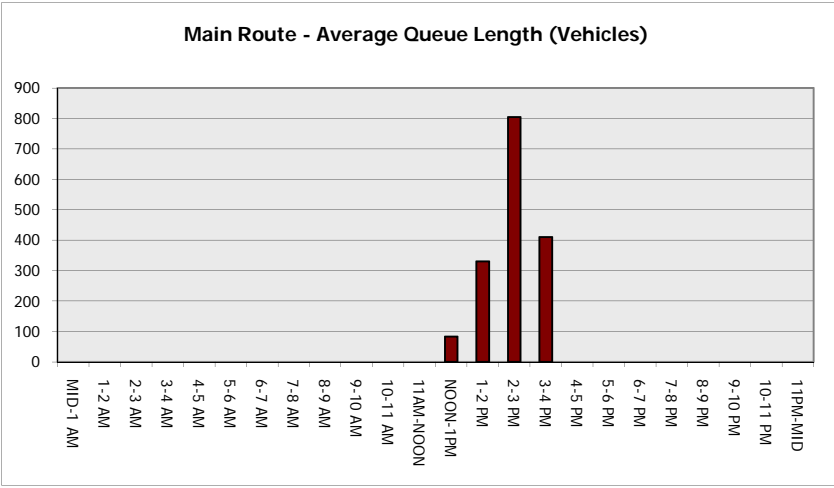
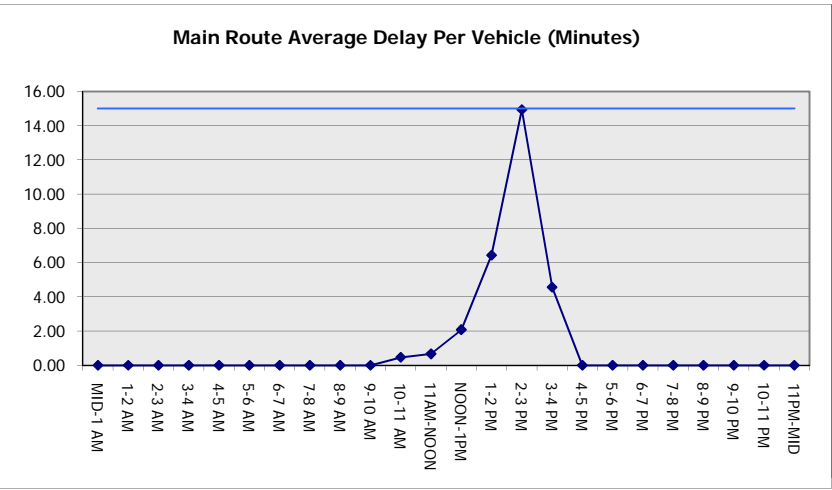
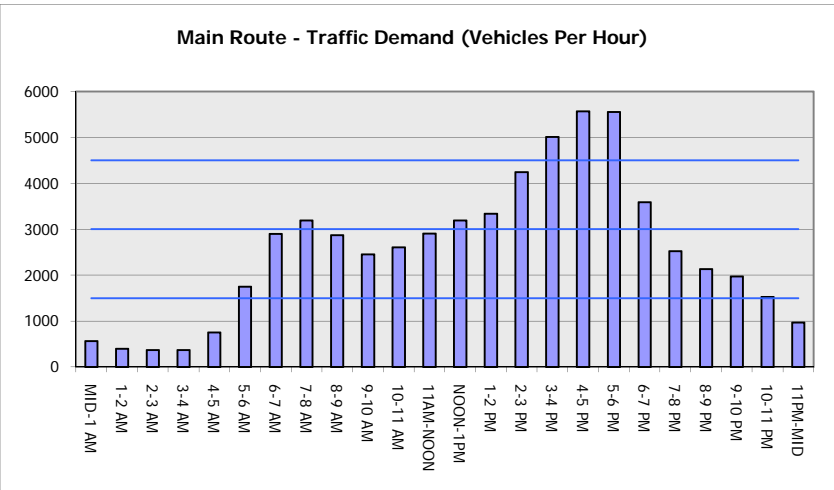
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0338
MAIN ROUTE WITH WORKS	0.0323
'DIVERSION'	0.0011
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,120
CONGESTED HOURS PER DAY*	1

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	604	0.0	OFF	604	0	0.00	0	70.0	70.0	70.0
1-2 AM	310	0.0	OFF	310	0	0.00	0	70.2	70.2	70.2
2-3 AM	277	0.0	OFF	277	0	0.00	0	70.2	70.2	70.2
3-4 AM	315	0.0	OFF	315	0	0.00	0	70.2	70.2	70.2
4-5 AM	532	0.0	OFF	532	0	0.00	0	70.0	70.0	70.0
5-6 AM	2008	0.0	OFF	2008	0	0.00	0	68.2	68.2	68.2
6-7 AM	4512	0.0	OFF	4512	0	0.00	0	60.1	60.1	60.1
7-8 AM	5580	0.0	OFF	5580	0	0.00	0	52.7	52.7	52.7
8-9 AM	4409	0.0	OFF	4409	0	0.00	0	60.7	60.7	60.7
9-10 AM	2791	0.0	OFF	2791	0	0.00	0	67.3	67.3	67.3
10-11 AM	2671	0.0	3000	2671	0	0.51	0	67.4	57.9	43.0
11AM-NOON	2756	0.0	3000	2756	0	0.57	0	67.3	56.9	41.4
NOON-1PM	2889	0.0	3000	2889	0	0.66	0	67.1	55.5	39.0
1-2 PM	2901	0.0	2999	2901	0	0.66	0	67.1	55.4	38.8
2-3 PM	3273	0.0	2999	3273	0	2.61	118	66.7	36.5	37.3
3-4 PM	3470	0.0	OFF	3470	0	0.20	14	66.4	62.4	62.4
4-5 PM	3532	0.0	OFF	3532	0	0.00	0	66.3	66.3	66.3
5-6 PM	3721	0.0	OFF	3721	0	0.00	0	65.5	65.5	65.5
6-7 PM	2905	0.0	OFF	2905	0	0.00	0	67.1	67.1	67.1
7-8 PM	2387	0.0	OFF	2387	0	0.00	0	67.8	67.8	67.8
8-9 PM	2107	0.0	OFF	2107	0	0.00	0	68.1	68.1	68.1
9-10 PM	2025	0.0	OFF	2025	0	0.00	0	68.2	68.2	68.2
10-11 PM	1463	0.0	OFF	1463	0	0.00	0	68.9	68.9	68.9
11PM-MID	993	0.0	OFF	993	0	0.00	0	69.5	69.5	69.5

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

----- 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	0.0325
MAIN ROUTE WITH WORKS	0.0316
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,602
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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