

IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY) NIGHTTIME 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	3000	563	0	0.36	0	70.0	62.6	49.7
1-2 AM	398	0.0	3000	398	0	0.36	0	70.2	62.7	49.7
2-3 AM	370	0.0	3000	370	0	0.36	0	70.2	62.7	49.7
3-4 AM	367	0.0	3000	367	0	0.36	0	70.2	62.7	49.7
4-5 AM	750	0.0	3000	750	0	0.35	0	69.8	62.4	49.7
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	OFF	2603	0	0.00	0	67.5	67.5	67.5
11AM-NOON	2905	0.0	OFF	2905	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3193	0.0	OFF	3193	0	0.00	0	66.8	66.8	66.8
1-2 PM	3340	0.0	OFF	3340	0	0.00	0	66.6	66.6	66.6
2-3 PM	4241	0.0	OFF	4241	0	0.00	0	61.9	61.9	61.9
3-4 PM	5009	0.0	OFF	5009	0	0.00	0	56.6	56.6	56.6
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	3000	2524	0	0.42	0	67.6	59.6	46.3
8-9 PM	2128	0.0	3000	2128	0	0.33	0	68.1	61.5	49.7
9-10 PM	1973	0.0	3000	1973	0	0.34	0	68.3	61.5	49.7
10-11 PM	1525	0.0	3000	1525	0	0.34	0	68.9	61.9	49.7
11PM-MID	966	0.0	3000	966	0	0.35	0	69.6	62.3	49.7

"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

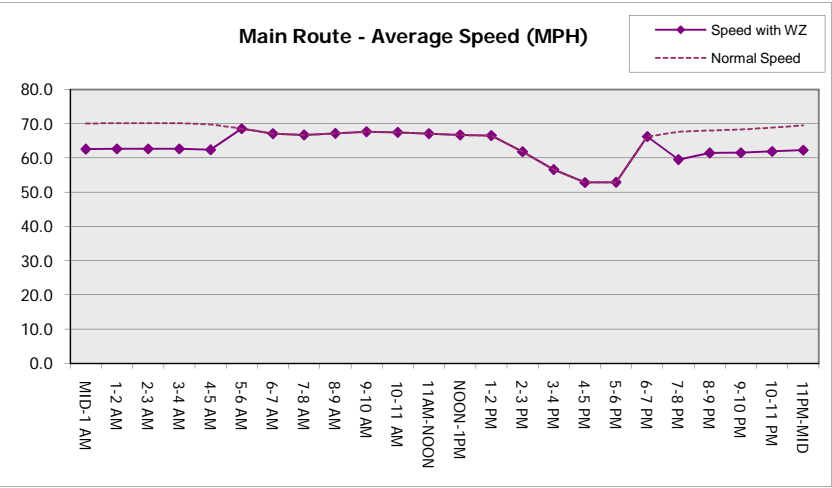
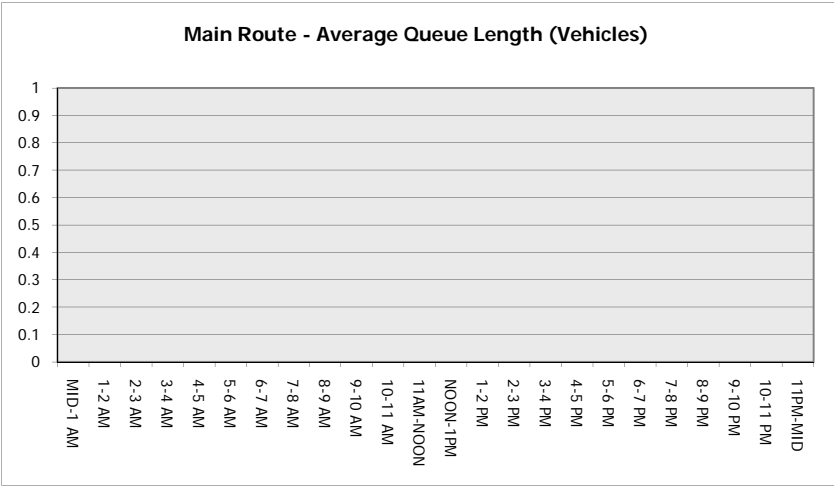
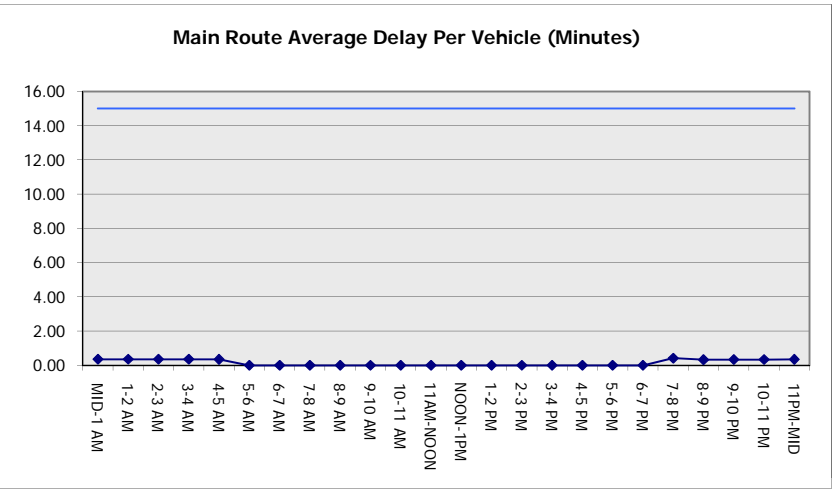
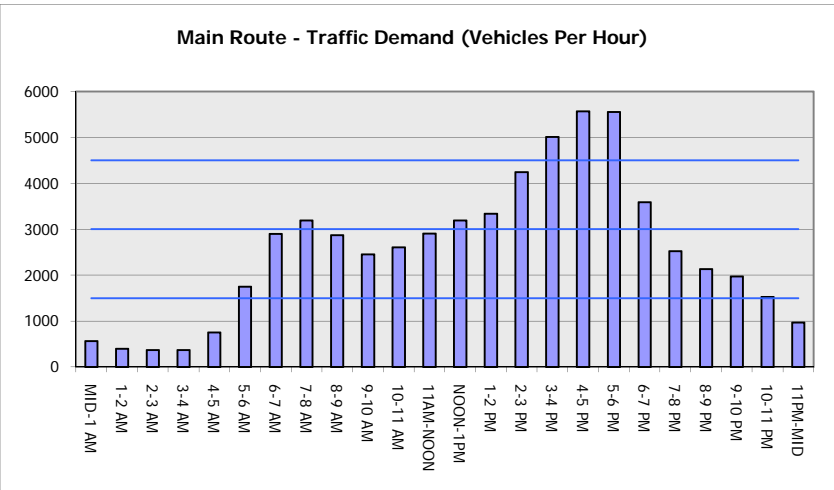
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0338
MAIN ROUTE WITH WORKS	0.0330
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$830
CONGESTED HOURS PER DAY*	0

*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	3000	604	0	0.36	0	70.0	62.5	49.7
1-2 AM	310	0.0	3000	310	0	0.36	0	70.2	62.7	49.7
2-3 AM	277	0.0	3000	277	0	0.36	0	70.2	62.7	49.7
3-4 AM	315	0.0	3000	315	0	0.36	0	70.2	62.7	49.7
4-5 AM	532	0.0	3000	532	0	0.36	0	70.0	62.6	49.7
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	OFF	2671	0	0.00	0	67.4	67.4	67.4
11AM-NOON	2756	0.0	OFF	2756	0	0.00	0	67.3	67.3	67.3
NOON-1PM	2889	0.0	OFF	2889	0	0.00	0	67.1	67.1	67.1
1-2 PM	2901	0.0	OFF	2901	0	0.00	0	67.1	67.1	67.1
2-3 PM	3273	0.0	OFF	3273	0	0.00	0	66.7	66.7	66.7
3-4 PM	3470	0.0	OFF	3470	0	0.00	0	66.4	66.4	66.4
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	3000	2387	0	0.33	0	67.8	61.3	49.7
8-9 PM	2107	0.0	3000	2107	0	0.33	0	68.1	61.5	49.7
9-10 PM	2025	0.0	3000	2025	0	0.33	0	68.2	61.5	49.7
10-11 PM	1463	0.0	3000	1463	0	0.34	0	68.9	61.9	49.7
11PM-MID	993	0.0	3000	993	0	0.35	0	69.5	62.3	49.7

"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	0.0318
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$743
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

