

IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY) NIGHTTIME 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	1499	1052	0	4.46	160	69.4	28.1	36.6	
1-2 AM	757	0.0	1500	757	0	0.56	0	69.8	58.8	42.5	
2-3 AM	773	0.0	1500	773	0	0.56	0	69.8	58.7	42.5	
3-4 AM	469	0.0	1500	469	0	0.53	0	70.2	59.6	43.6	
4-5 AM	576	0.0	1500	576	0	0.54	0	70.0	59.3	43.2	
5-6 AM	947	0.0	1500	947	0	0.58	0	69.6	58.3	41.9	
6-7 AM	1276	0.0	1499	1276	0	0.80	0	69.1	54.7	36.4	
7-8 AM	1778	0.0	1499	1778	0	4.23	105	68.5	28.8	30.8	
8-9 AM	2332	0.0	OFF	2332	0	0.12	10	67.8	65.3	65.3	
9-10 AM	1964	0.0	OFF	1964	0	0.00	0	68.3	68.3	68.3	
10-11 AM	2587	0.0	OFF	2587	0	0.00	0	67.5	67.5	67.5	
11AM-NOON	3632	0.0	OFF	3632	0	0.00	0	66.1	66.1	66.1	
NOON-1PM	3865	0.0	OFF	3865	0	0.00	0	64.5	64.5	64.5	
1-2 PM	3807	0.0	OFF	3807	0	0.00	0	64.8	64.8	64.8	
2-3 PM	3770	0.0	OFF	3770	0	0.00	0	65.1	65.1	65.1	
3-4 PM	3666	0.0	OFF	3666	0	0.00	0	65.8	65.8	65.8	
4-5 PM	3459	0.0	OFF	3459	0	0.00	0	66.4	66.4	66.4	
5-6 PM	3133	0.0	OFF	3133	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2751	0.0	1499	1621	1129	14.54+	369	67.3	11.9	36.1	
7-8 PM	1799	0.0	1499	1799	0	11.94+	302	68.5	14.0	30.8	
8-9 PM	1749	0.0	1499	1497	252	16.35+	399	68.6	10.8	30.8	
9-10 PM	2408	0.0	1500	1500	908	16.33+	400	67.8	10.8	30.8	
10-11 PM	1938	0.0	1500	1500	438	16.35+	400	68.3	10.8	30.8	
11PM-MID	1501	0.0	1499	1435	66	15.93+	388	68.9	11.1	30.8	

"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

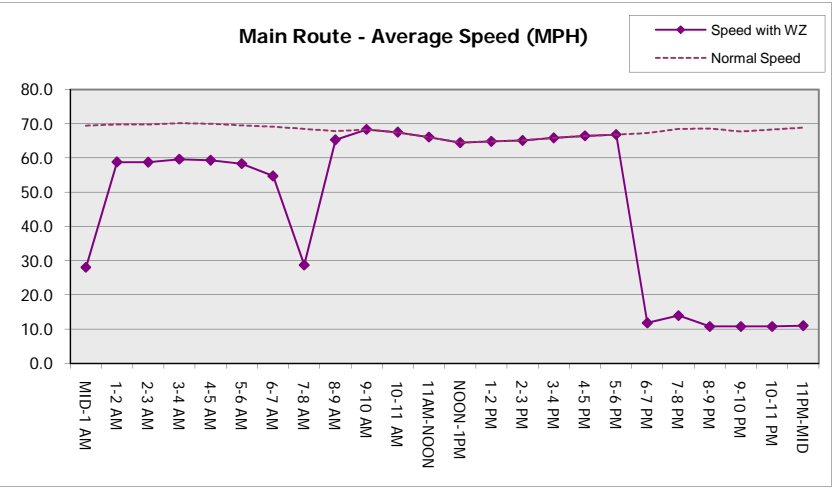
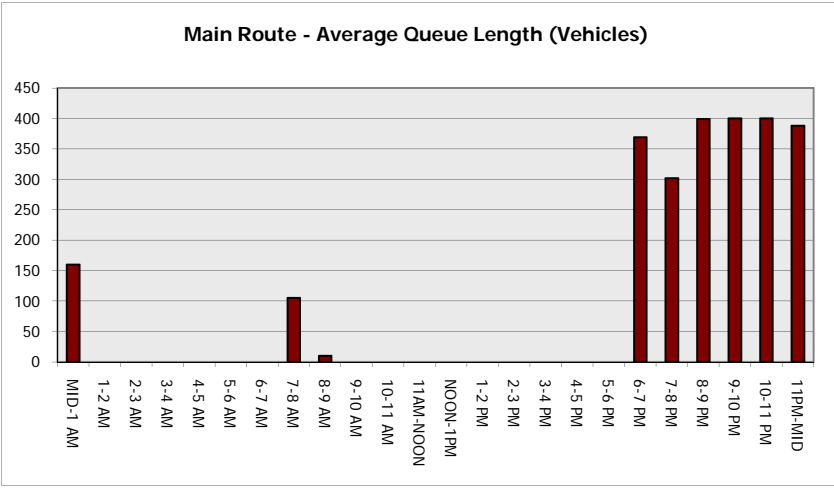
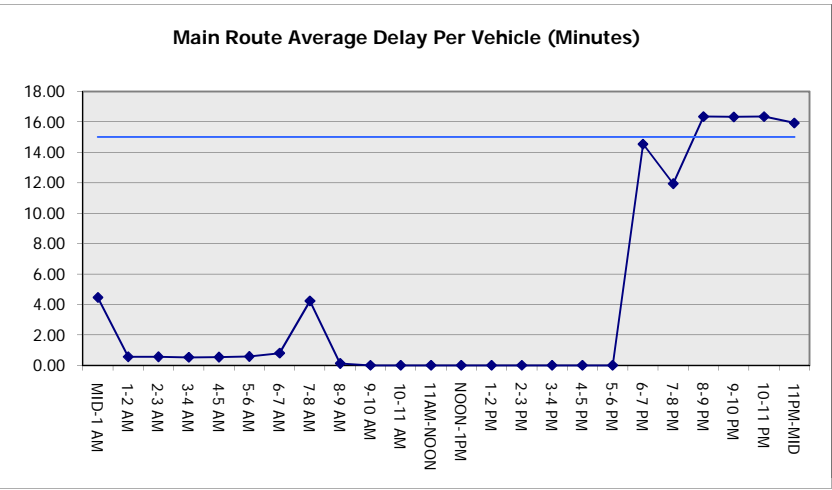
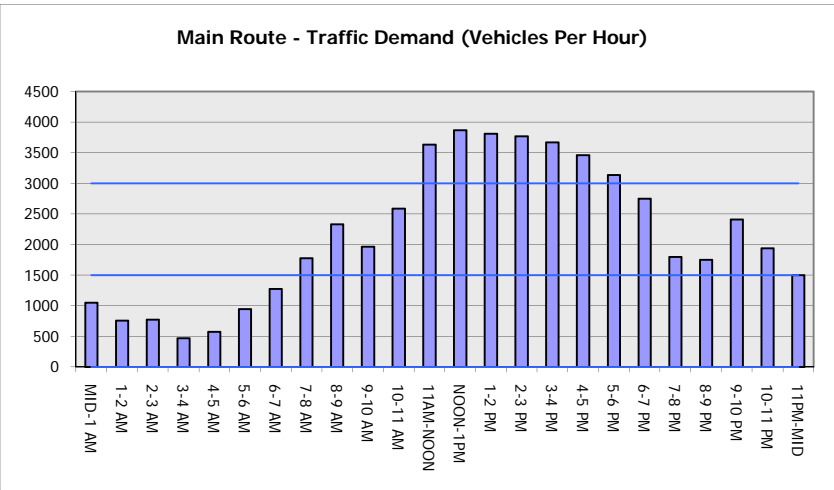
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0289
MAIN ROUTE WITH WORKS	0.0263
'DIVERSION'	0.0036
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$51,709
CONGESTED HOURS PER DAY*	6

*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	1499	928	0	2.33	84	69.6	39.2	39.4	
1-2 AM	540	0.0	1500	540	0	0.54	0	70.0	59.4	43.3	
2-3 AM	452	0.0	1500	452	0	0.53	0	70.2	59.6	43.7	
3-4 AM	316	0.0	1500	316	0	0.51	0	70.2	59.9	44.2	
4-5 AM	382	0.0	1500	382	0	0.52	0	70.2	59.8	44.0	
5-6 AM	796	0.0	1500	796	0	0.56	0	69.7	58.7	42.4	
6-7 AM	1243	0.0	1499	1243	0	0.76	0	69.2	55.4	37.5	
7-8 AM	1785	0.0	1499	1785	0	4.43	111	68.5	28.0	30.8	
8-9 AM	2227	0.0	OFF	2227	0	0.12	10	67.9	65.3	65.3	
9-10 AM	1816	0.0	OFF	1816	0	0.00	0	68.5	68.5	68.5	
10-11 AM	2320	0.0	OFF	2320	0	0.00	0	67.9	67.9	67.9	
11AM-NOON	3208	0.0	OFF	3208	0	0.00	0	66.8	66.8	66.8	
NOON-1PM	3397	0.0	OFF	3397	0	0.00	0	66.5	66.5	66.5	
1-2 PM	3314	0.0	OFF	3314	0	0.00	0	66.6	66.6	66.6	
2-3 PM	3613	0.0	OFF	3613	0	0.00	0	66.2	66.2	66.2	
3-4 PM	3749	0.0	OFF	3749	0	0.00	0	65.3	65.3	65.3	
4-5 PM	3824	0.0	OFF	3824	0	0.00	0	64.7	64.7	64.7	
5-6 PM	3735	0.0	OFF	3735	0	0.00	0	65.3	65.3	65.3	
6-7 PM	3415	0.0	1499	1550	1866	16.47+	412	66.5	10.7	36.6	
7-8 PM	2164	0.0	1499	1867	296	12.75+	325	68.1	13.2	30.8	
8-9 PM	1972	0.0	1499	1500	472	16.35+	399	68.3	10.8	30.8	
9-10 PM	2307	0.0	1499	1500	807	16.33+	400	67.9	10.8	30.8	
10-11 PM	1909	0.0	1500	1500	409	16.35+	399	68.4	10.8	30.8	
11PM-MID	1407	0.0	1499	1364	43	14.92+	364	69.0	11.7	30.8	

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0283
MAIN ROUTE WITH WORKS	0.0251
'DIVERSION'	0.0050

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$56,378
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

