

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

SUNDAY 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	995	0.0	3000	995	0	0.35	0	69.5	62.3	49.7
1-2 AM	762	0.0	3000	762	0	0.35	0	69.8	62.4	49.7
2-3 AM	871	0.0	3000	871	0	0.35	0	69.7	62.3	49.7
3-4 AM	477	0.0	3000	477	0	0.36	0	70.1	62.6	49.7
4-5 AM	387	0.0	3000	387	0	0.36	0	70.2	62.7	49.7
5-6 AM	537	0.0	3000	537	0	0.36	0	70.0	62.6	49.7
6-7 AM	795	0.0	3000	795	0	0.35	0	69.7	62.4	49.7
7-8 AM	1007	0.0	3000	1007	0	0.35	0	69.5	62.2	49.7
8-9 AM	1514	0.0	3000	1514	0	0.34	0	68.9	61.9	49.7
9-10 AM	2286	0.0	OFF	2286	0	0.00	0	67.9	67.9	67.9
10-11 AM	2787	0.0	OFF	2787	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3449	0.0	OFF	3449	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3771	0.0	OFF	3771	0	0.00	0	65.1	65.1	65.1
1-2 PM	3798	0.0	OFF	3798	0	0.00	0	64.9	64.9	64.9
2-3 PM	3823	0.0	OFF	3823	0	0.00	0	64.7	64.7	64.7
3-4 PM	3735	0.0	OFF	3735	0	0.00	0	65.3	65.3	65.3
4-5 PM	3881	0.0	OFF	3881	0	0.00	0	64.3	64.3	64.3
5-6 PM	3290	0.0	OFF	3290	0	0.00	0	66.6	66.6	66.6
6-7 PM	2770	0.0	OFF	2770	0	0.00	0	67.3	67.3	67.3
7-8 PM	2430	0.0	3000	2430	0	0.36	0	67.7	60.7	48.6
8-9 PM	2069	0.0	3000	2069	0	0.33	0	68.2	61.5	49.7
9-10 PM	1700	0.0	3000	1700	0	0.34	0	68.6	61.8	49.7
10-11 PM	1278	0.0	3000	1278	0	0.35	0	69.1	62.0	49.7
11PM-MID	820	0.0	3000	820	0	0.35	0	69.7	62.4	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	0.0274
MAIN ROUTE WITH WORKS	0.0264
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,244
CONGESTED HOURS PER DAY*	0

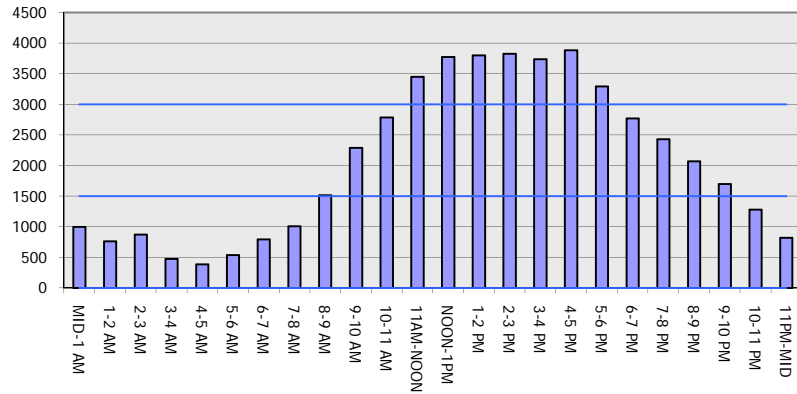
*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

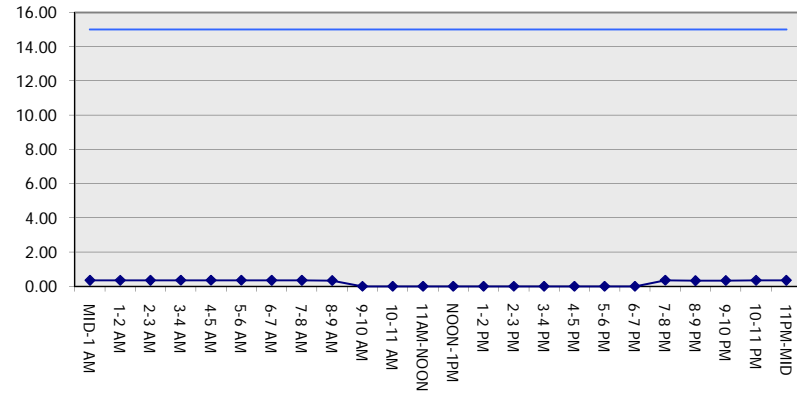
MAY
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION

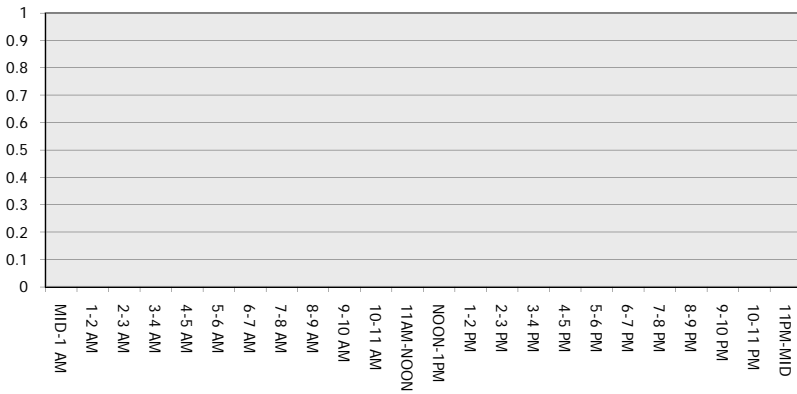
Main Route - Traffic Demand (Vehicles Per Hour)



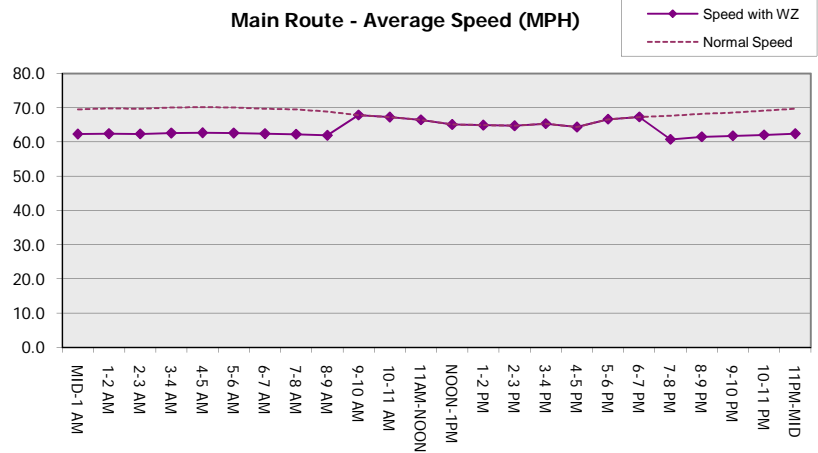
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	950	0.0	3000	950	0	0.35	0	69.6	62.3	49.7
1-2 AM	559	0.0	3000	559	0	0.36	0	70.0	62.6	49.7
2-3 AM	392	0.0	3000	392	0	0.36	0	70.2	62.7	49.7
3-4 AM	285	0.0	3000	285	0	0.36	0	70.2	62.7	49.7
4-5 AM	249	0.0	3000	249	0	0.36	0	70.2	62.7	49.7
5-6 AM	406	0.0	3000	406	0	0.36	0	70.2	62.7	49.7
6-7 AM	662	0.0	3000	662	0	0.36	0	69.9	62.5	49.7
7-8 AM	925	0.0	3000	925	0	0.35	0	69.6	62.3	49.7
8-9 AM	1460	0.0	3000	1460	0	0.34	0	68.9	61.9	49.7
9-10 AM	1919	0.0	OFF	1919	0	0.00	0	68.4	68.4	68.4
10-11 AM	2334	0.0	OFF	2334	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2911	0.0	OFF	2911	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3286	0.0	OFF	3286	0	0.00	0	66.6	66.6	66.6
1-2 PM	3194	0.0	OFF	3194	0	0.00	0	66.8	66.8	66.8
2-3 PM	3090	0.0	OFF	3090	0	0.00	0	66.9	66.9	66.9
3-4 PM	3370	0.0	OFF	3370	0	0.00	0	66.6	66.6	66.6
4-5 PM	3404	0.0	OFF	3404	0	0.00	0	66.5	66.5	66.5
5-6 PM	3240	0.0	OFF	3240	0	0.00	0	66.7	66.7	66.7
6-7 PM	2937	0.0	OFF	2937	0	0.00	0	67.1	67.1	67.1
7-8 PM	2692	0.0	3000	2692	0	0.53	0	67.4	57.6	42.6
8-9 PM	2291	0.0	3000	2291	0	0.33	0	67.9	61.4	49.7
9-10 PM	2017	0.0	3000	2017	0	0.33	0	68.2	61.5	49.7
10-11 PM	1520	0.0	3000	1520	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	0.0251
MAIN ROUTE WITH WORKS	0.0241
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,321
CONGESTED HOURS PER DAY*	0

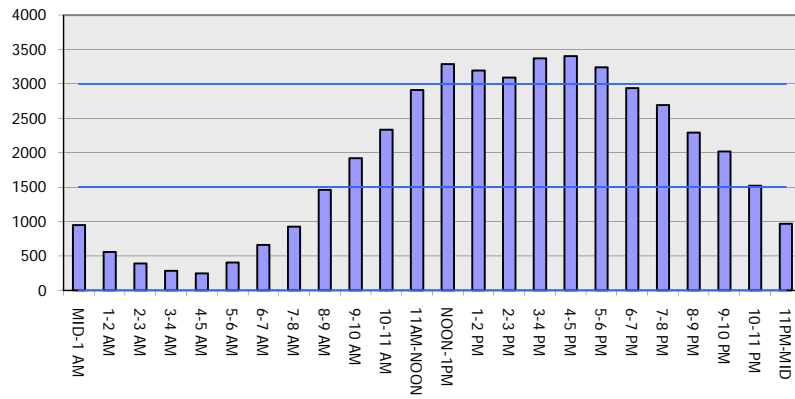
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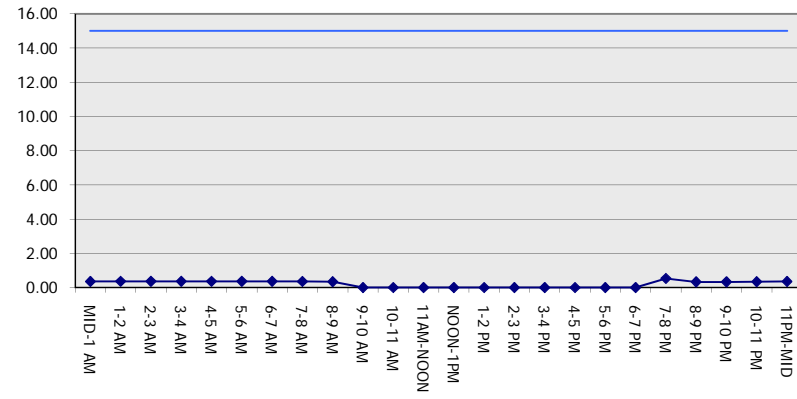
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

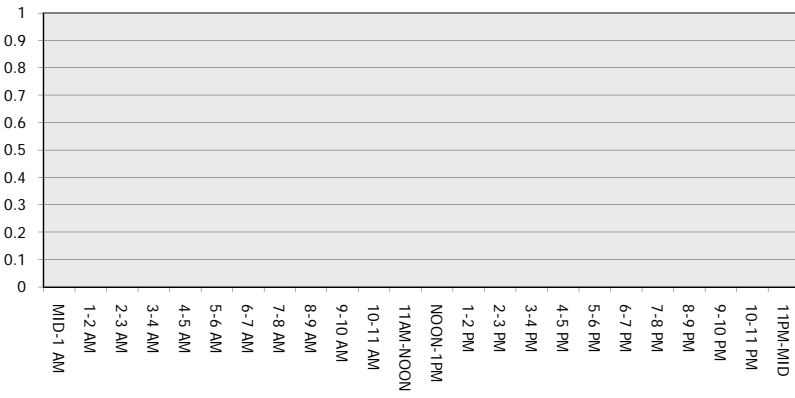
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

