

IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	1105	0.0	3000	1105	0	0.35	0	69.4	62.2	49.7
1-2 AM	838	0.0	3000	838	0	0.35	0	69.7	62.3	49.7
2-3 AM	897	0.0	3000	897	0	0.35	0	69.6	62.3	49.7
3-4 AM	483	0.0	3000	483	0	0.36	0	70.1	62.6	49.7
4-5 AM	440	0.0	3000	440	0	0.36	0	70.2	62.7	49.7
5-6 AM	519	0.0	3000	519	0	0.36	0	70.1	62.6	49.7
6-7 AM	785	0.0	3000	785	0	0.35	0	69.7	62.4	49.7
7-8 AM	1034	0.0	3000	1034	0	0.35	0	69.4	62.2	49.7
8-9 AM	1504	0.0	3000	1504	0	0.34	0	68.9	61.9	49.7
9-10 AM	2246	0.0	OFF	2246	0	0.00	0	67.9	67.9	67.9
10-11 AM	2897	0.0	OFF	2897	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3528	0.0	OFF	3528	0	0.00	0	66.3	66.3	66.3
NOON-1PM	3822	0.0	OFF	3822	0	0.00	0	64.8	64.8	64.8
1-2 PM	3923	0.0	OFF	3923	0	0.00	0	64.0	64.0	64.0
2-3 PM	3927	0.0	OFF	3927	0	0.00	0	64.0	64.0	64.0
3-4 PM	3931	0.0	OFF	3931	0	0.00	0	64.0	64.0	64.0
4-5 PM	3741	0.0	OFF	3741	0	0.00	0	65.3	65.3	65.3
5-6 PM	3464	0.0	OFF	3464	0	0.00	0	66.4	66.4	66.4
6-7 PM	3086	0.0	OFF	3086	0	0.00	0	66.9	66.9	66.9
7-8 PM	2674	0.0	3000	2674	0	0.52	0	67.4	57.8	43.0
8-9 PM	1877	0.0	3000	1877	0	0.34	0	68.4	61.7	49.7
9-10 PM	1634	0.0	3000	1634	0	0.34	0	68.7	61.8	49.7
10-11 PM	1212	0.0	3000	1212	0	0.35	0	69.2	62.1	49.7
11PM-MID	915	0.0	3000	915	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	0.0281
MAIN ROUTE WITH WORKS	0.0271
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,368
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

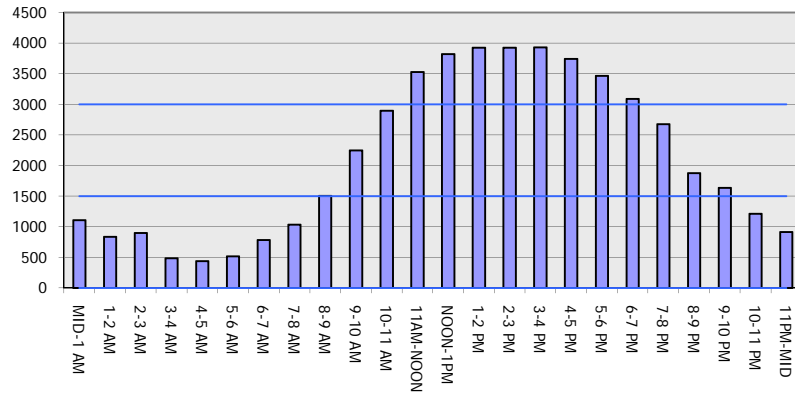
OCTOBER

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 Construction Season

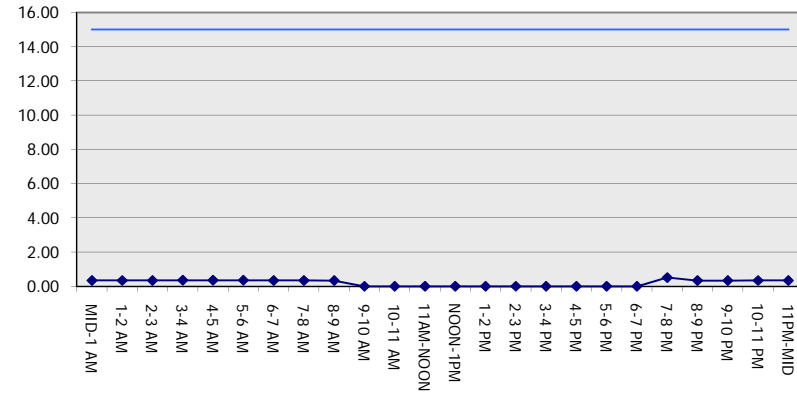
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION

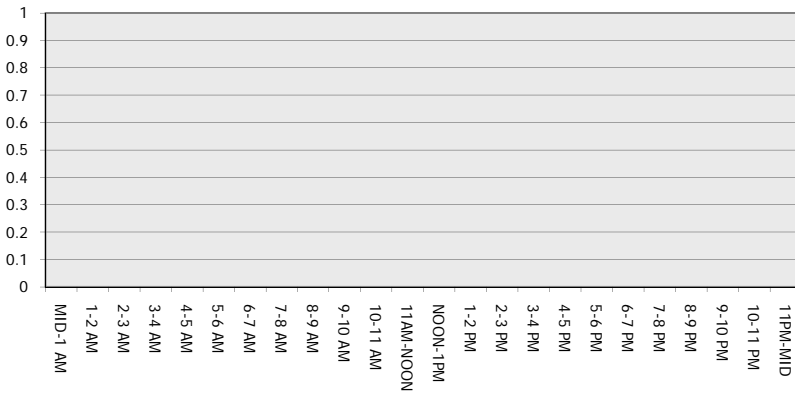
Main Route - Traffic Demand (Vehicles Per Hour)



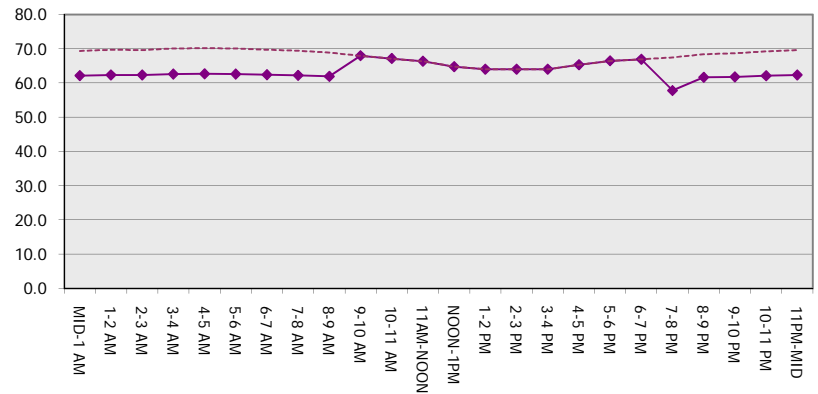
Main Route Average Delay Per Vehicle (Minutes)



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	990	0.0	3000	990	0	0.35	0	69.5	62.3	49.7
1-2 AM	547	0.0	3000	547	0	0.36	0	70.0	62.6	49.7
2-3 AM	457	0.0	3000	457	0	0.36	0	70.2	62.7	49.7
3-4 AM	291	0.0	3000	291	0	0.36	0	70.2	62.7	49.7
4-5 AM	294	0.0	3000	294	0	0.36	0	70.2	62.7	49.7
5-6 AM	464	0.0	3000	464	0	0.36	0	70.2	62.7	49.7
6-7 AM	793	0.0	3000	793	0	0.35	0	69.7	62.4	49.7
7-8 AM	1085	0.0	3000	1085	0	0.35	0	69.4	62.2	49.7
8-9 AM	1520	0.0	3000	1520	0	0.34	0	68.9	61.9	49.7
9-10 AM	1992	0.0	OFF	1992	0	0.00	0	68.2	68.2	68.2
10-11 AM	2395	0.0	OFF	2395	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2748	0.0	OFF	2748	0	0.00	0	67.3	67.3	67.3
NOON-1PM	3073	0.0	OFF	3073	0	0.00	0	66.9	66.9	66.9
1-2 PM	3136	0.0	OFF	3136	0	0.00	0	66.8	66.8	66.8
2-3 PM	3153	0.0	OFF	3153	0	0.00	0	66.8	66.8	66.8
3-4 PM	3318	0.0	OFF	3318	0	0.00	0	66.6	66.6	66.6
4-5 PM	3366	0.0	OFF	3366	0	0.00	0	66.6	66.6	66.6
5-6 PM	3325	0.0	OFF	3325	0	0.00	0	66.6	66.6	66.6
6-7 PM	3132	0.0	OFF	3132	0	0.00	0	66.8	66.8	66.8
7-8 PM	2600	0.0	3000	2600	0	0.47	0	67.5	58.7	44.5
8-9 PM	2023	0.0	3000	2023	0	0.33	0	68.2	61.5	49.7
9-10 PM	1718	0.0	3000	1718	0	0.34	0	68.6	61.7	49.7
10-11 PM	1266	0.0	3000	1266	0	0.35	0	69.2	62.1	49.7
11PM-MID	927	0.0	3000	927	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	0.0248
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,256
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

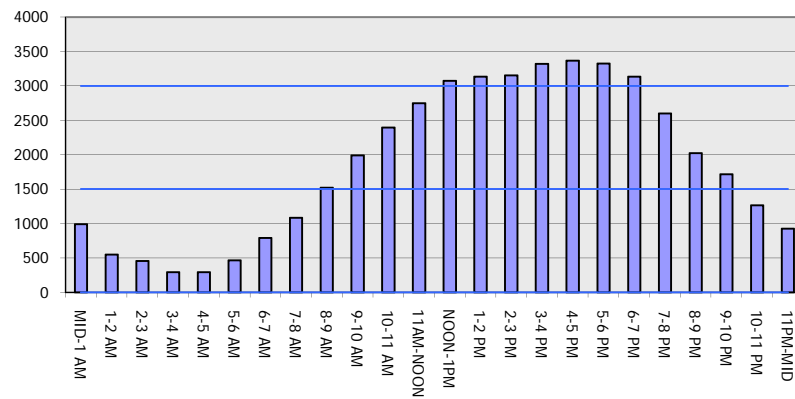
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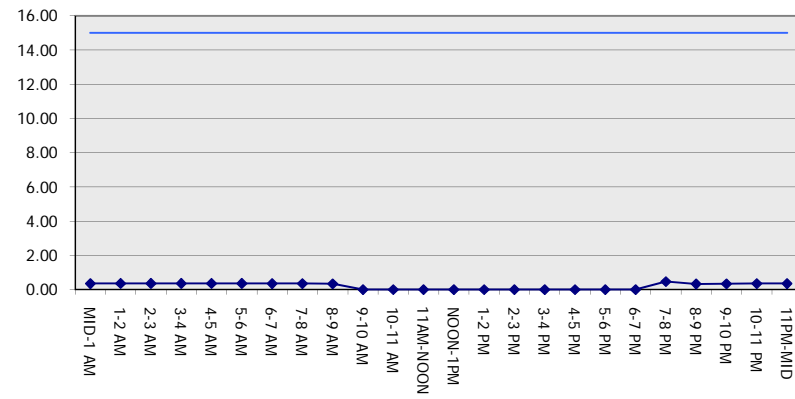
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

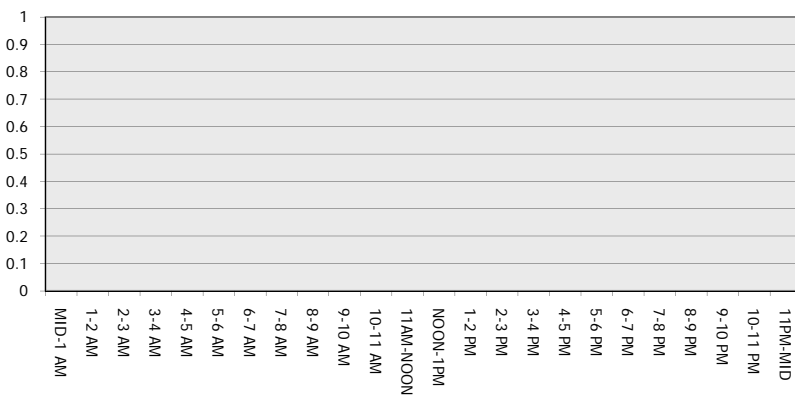
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

