

<b>IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	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	1085	0.0	3000	1085	0	0.35	0	69.4	62.2	49.7
1-2 AM	762	0.0	3000	762	0	0.35	0	69.8	62.4	49.7
2-3 AM	778	0.0	3000	778	0	0.35	0	69.7	62.4	49.7
3-4 AM	544	0.0	3000	544	0	0.36	0	70.0	62.6	49.7
4-5 AM	575	0.0	3000	575	0	0.36	0	70.0	62.5	49.7
5-6 AM	881	0.0	3000	881	0	0.35	0	69.6	62.3	49.7
6-7 AM	1338	0.0	3000	1338	0	0.35	0	69.1	62.0	49.7
7-8 AM	1783	0.0	3000	1783	0	0.34	0	68.5	61.7	49.7
8-9 AM	2424	0.0	OFF	2424	0	0.00	0	67.8	67.8	67.8
9-10 AM	2922	0.0	OFF	2922	0	0.00	0	67.1	67.1	67.1
10-11 AM	3333	0.0	OFF	3333	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3661	0.0	OFF	3661	0	0.00	0	65.8	65.8	65.8
NOON-1PM	3920	0.0	OFF	3920	0	0.00	0	64.1	64.1	64.1
1-2 PM	3685	0.0	OFF	3685	0	0.00	0	65.7	65.7	65.7
2-3 PM	3796	0.0	OFF	3796	0	0.00	0	64.9	64.9	64.9
3-4 PM	3591	0.0	OFF	3591	0	0.00	0	66.3	66.3	66.3
4-5 PM	3529	0.0	OFF	3529	0	0.00	0	66.3	66.3	66.3
5-6 PM	3254	0.0	OFF	3254	0	0.00	0	66.7	66.7	66.7
6-7 PM	2940	0.0	2999	2940	0	0.83	8	67.1	53.1	38.6
7-8 PM	2345	0.0	3000	2345	0	0.33	0	67.8	61.3	49.7
8-9 PM	1996	0.0	3000	1996	0	0.33	0	68.2	61.5	49.7
9-10 PM	1968	0.0	3000	1968	0	0.34	0	68.3	61.5	49.7
10-11 PM	2108	0.0	3000	2108	0	0.33	0	68.1	61.5	49.7
11PM-MID	1493	0.0	3000	1493	0	0.34	0	68.9	61.9	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	0.0305
MAIN ROUTE WITH WORKS	0.0291
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,361
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

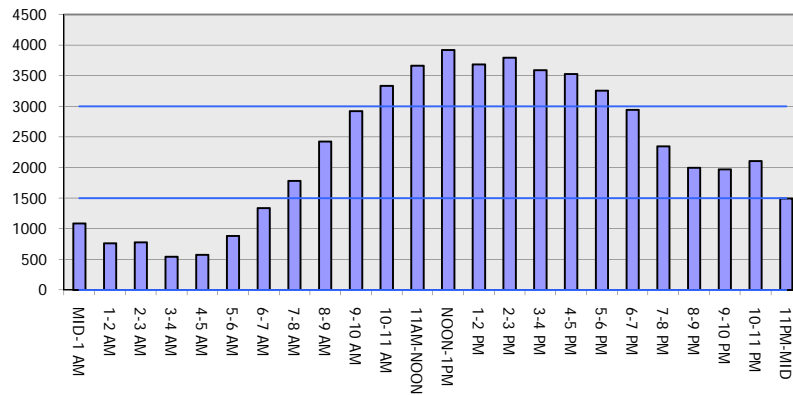
**IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

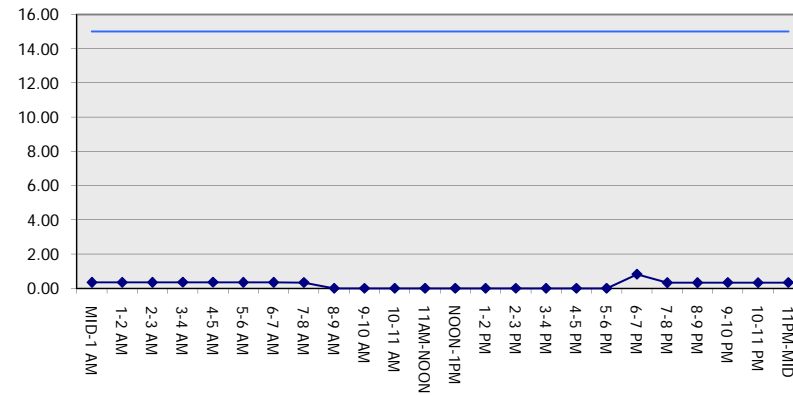
Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY WESTBOUND DIRECTION**

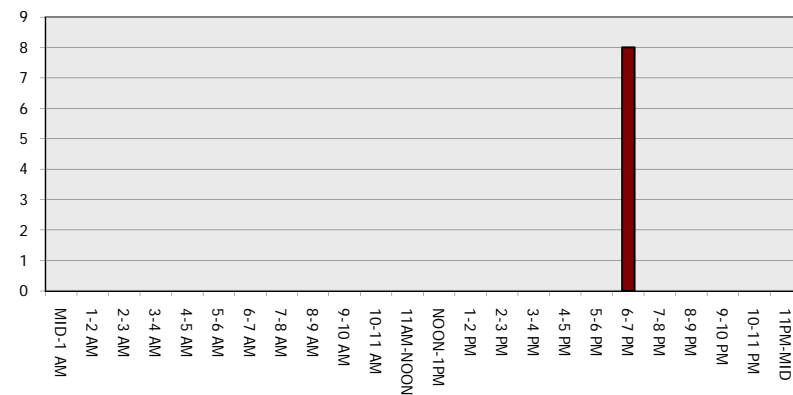
**Main Route - Traffic Demand (Vehicles Per Hour)**



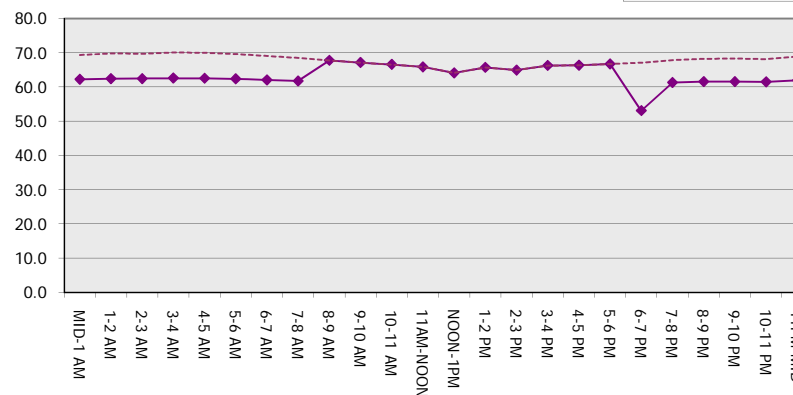
**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**



<b>IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	Analyzed for 2009 Construction Season

**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	971	0.0	3000	971	0	0.35	0	69.6	62.3	49.7
1-2 AM	519	0.0	3000	519	0	0.36	0	70.1	62.6	49.7
2-3 AM	433	0.0	3000	433	0	0.36	0	70.2	62.7	49.7
3-4 AM	372	0.0	3000	372	0	0.36	0	70.2	62.7	49.7
4-5 AM	446	0.0	3000	446	0	0.36	0	70.2	62.7	49.7
5-6 AM	815	0.0	3000	815	0	0.35	0	69.7	62.4	49.7
6-7 AM	1254	0.0	3000	1254	0	0.35	0	69.2	62.1	49.7
7-8 AM	1721	0.0	3000	1721	0	0.34	0	68.6	61.7	49.7
8-9 AM	2307	0.0	OFF	2307	0	0.00	0	67.9	67.9	67.9
9-10 AM	2661	0.0	OFF	2661	0	0.00	0	67.4	67.4	67.4
10-11 AM	3001	0.0	OFF	3001	0	0.00	0	67.0	67.0	67.0
11AM-NOON	3267	0.0	OFF	3267	0	0.00	0	66.7	66.7	66.7
NOON-1PM	3497	0.0	OFF	3497	0	0.00	0	66.4	66.4	66.4
1-2 PM	3346	0.0	OFF	3346	0	0.00	0	66.6	66.6	66.6
2-3 PM	3435	0.0	OFF	3435	0	0.00	0	66.4	66.4	66.4
3-4 PM	3613	0.0	OFF	3613	0	0.00	0	66.2	66.2	66.2
4-5 PM	3727	0.0	OFF	3727	0	0.00	0	65.4	65.4	65.4
5-6 PM	3742	0.0	OFF	3742	0	0.00	0	65.3	65.3	65.3
6-7 PM	3513	0.0	2999	3513	0	5.21	282	66.4	25.1	37.3
7-8 PM	2932	0.0	2999	2932	0	10.08	515	67.1	15.9	37.3
8-9 PM	2338	0.0	2999	2338	0	2.32	165	67.8	38.8	45.1
9-10 PM	2296	0.0	3000	2296	0	0.33	0	67.9	61.4	49.7
10-11 PM	2059	0.0	3000	2059	0	0.33	0	68.2	61.5	49.7
11PM-MID	1614	0.0	3000	1614	0	0.34	0	68.7	61.9	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	0.0300
MAIN ROUTE WITH WORKS	0.0286
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$16,081
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

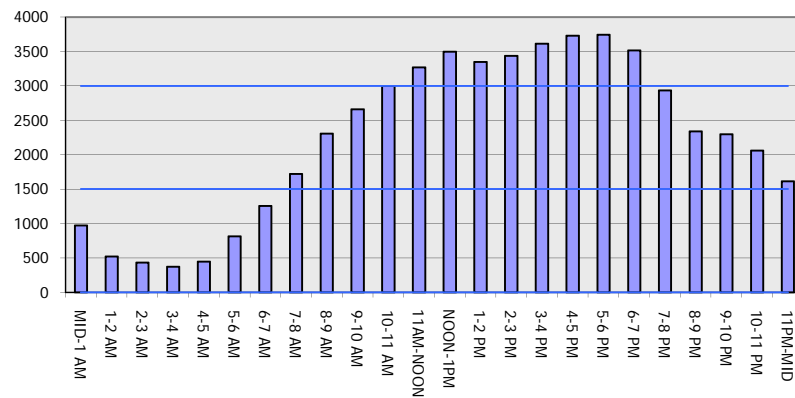
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**OCTOBER**

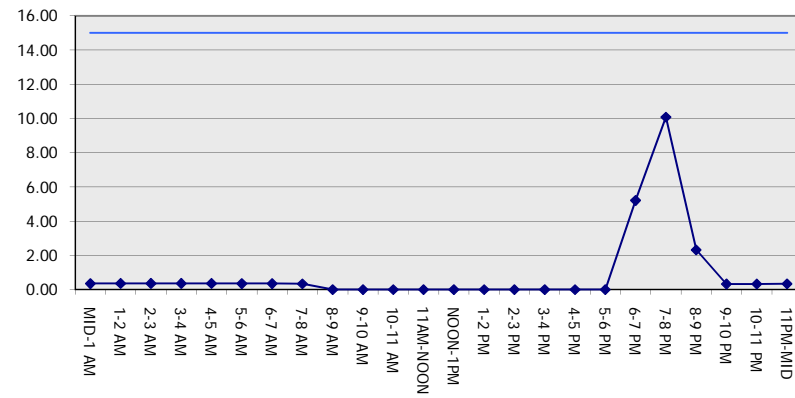
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY EASTBOUND DIRECTION**

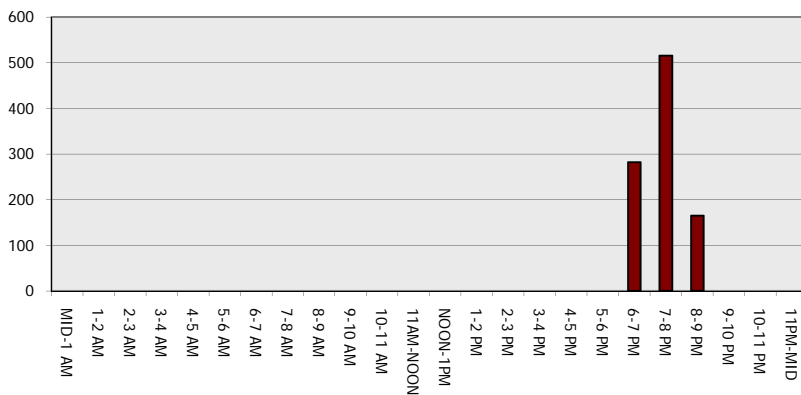
**Main Route - Traffic Demand (Vehicles Per Hour)**



**Main Route Average Delay Per Vehicle (Minutes)**



**Main Route - Average Queue Length (Vehicles)**



**Main Route - Average Speed (MPH)**

