

<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**

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	591	0.0	3000	591	0	0.36	0	70.0	62.5	49.7
1-2 AM	435	0.0	3000	435	0	0.36	0	70.2	62.7	49.7
2-3 AM	372	0.0	3000	372	0	0.36	0	70.2	62.7	49.7
3-4 AM	385	0.0	3000	385	0	0.36	0	70.2	62.7	49.7
4-5 AM	738	0.0	3000	738	0	0.35	0	69.8	62.5	49.7
5-6 AM	1721	0.0	OFF	1721	0	0.00	0	68.6	68.6	68.6
6-7 AM	2945	0.0	OFF	2945	0	0.00	0	67.1	67.1	67.1
7-8 AM	3381	0.0	OFF	3381	0	0.00	0	66.5	66.5	66.5
8-9 AM	2912	0.0	OFF	2912	0	0.00	0	67.1	67.1	67.1
9-10 AM	2638	0.0	OFF	2638	0	0.00	0	67.4	67.4	67.4
10-11 AM	2649	0.0	OFF	2649	0	0.00	0	67.4	67.4	67.4
11AM-NOON	2950	0.0	OFF	2950	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3238	0.0	OFF	3238	0	0.00	0	66.7	66.7	66.7
1-2 PM	3435	0.0	OFF	3435	0	0.00	0	66.4	66.4	66.4
2-3 PM	4343	0.0	OFF	4343	0	0.00	0	61.2	61.2	61.2
3-4 PM	5297	0.0	OFF	5297	0	0.00	0	54.6	54.6	54.6
4-5 PM	5621	0.0	OFF	5621	0	0.00	0	52.5	52.5	52.5
5-6 PM	5635	0.0	OFF	5635	0	0.00	0	52.4	52.4	52.4
6-7 PM	4085	0.0	OFF	4085	0	0.00	0	63.0	63.0	63.0
7-8 PM	2725	0.0	3000	2725	0	0.55	0	67.4	57.3	42.0
8-9 PM	2171	0.0	3000	2171	0	0.33	0	68.1	61.4	49.7
9-10 PM	1888	0.0	3000	1888	0	0.34	0	68.4	61.6	49.7
10-11 PM	1409	0.0	3000	1409	0	0.34	0	69.0	62.0	49.7
11PM-MID	937	0.0	3000	937	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	0.0348
MAIN ROUTE WITH WORKS	0.0340
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$911
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

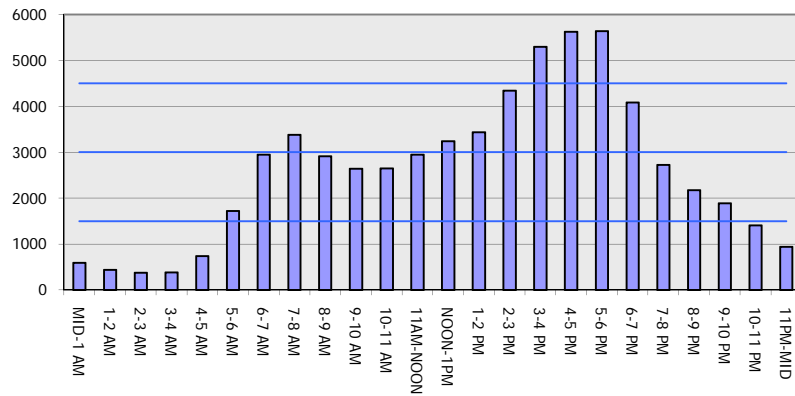
**IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

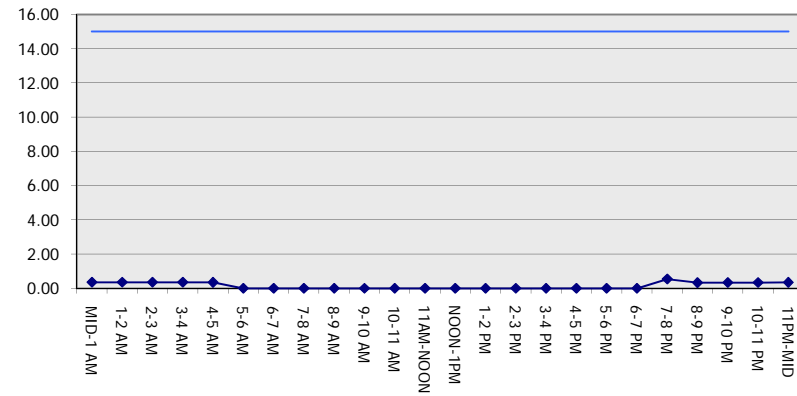
Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR WESTBOUND DIRECTION**

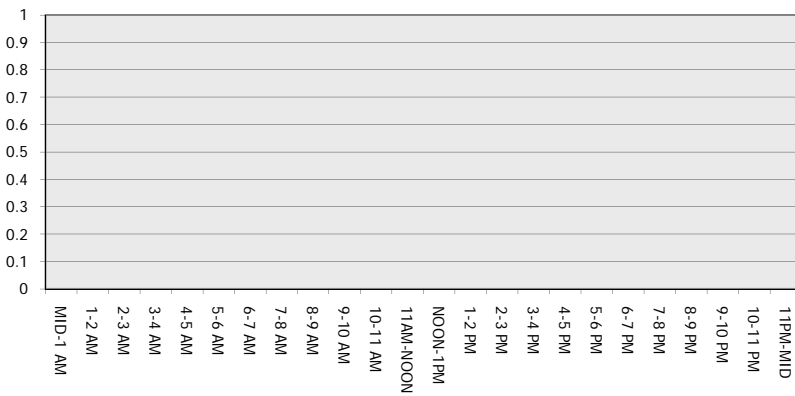
**Main Route - Traffic Demand (Vehicles Per Hour)**



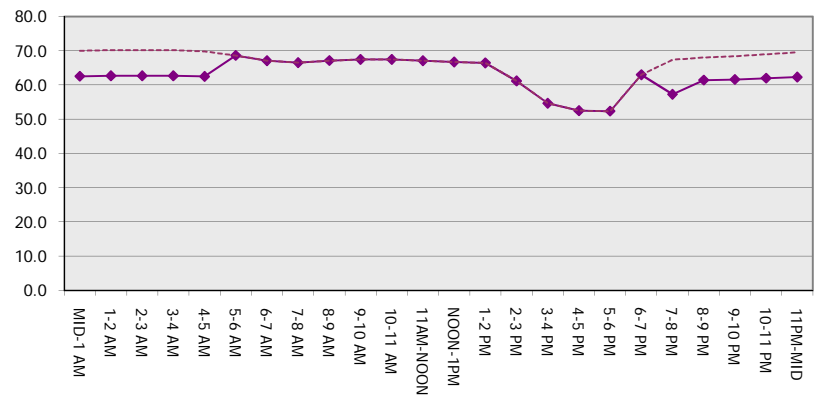
**Main Route Average Delay Per Vehicle (Minutes)**



**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**

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	580	0.0	3000	580	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	291	0.0	3000	291	0	0.36	0	70.2	62.7	49.7
3-4 AM	318	0.0	3000	318	0	0.36	0	70.2	62.7	49.7
4-5 AM	568	0.0	3000	568	0	0.36	0	70.0	62.5	49.7
5-6 AM	1946	0.0	OFF	1946	0	0.00	0	68.3	68.3	68.3
6-7 AM	4650	0.0	OFF	4650	0	0.00	0	59.1	59.1	59.1
7-8 AM	5705	0.0	OFF	5705	0	0.00	0	51.9	51.9	51.9
8-9 AM	4654	0.0	OFF	4654	0	0.00	0	59.1	59.1	59.1
9-10 AM	3198	0.0	OFF	3198	0	0.00	0	66.8	66.8	66.8
10-11 AM	2820	0.0	OFF	2820	0	0.00	0	67.3	67.3	67.3
11AM-NOON	2834	0.0	OFF	2834	0	0.00	0	67.2	67.2	67.2
NOON-1PM	2914	0.0	OFF	2914	0	0.00	0	67.1	67.1	67.1
1-2 PM	2960	0.0	OFF	2960	0	0.00	0	67.1	67.1	67.1
2-3 PM	3222	0.0	OFF	3222	0	0.00	0	66.8	66.8	66.8
3-4 PM	3571	0.0	OFF	3571	0	0.00	0	66.3	66.3	66.3
4-5 PM	3579	0.0	OFF	3579	0	0.00	0	66.3	66.3	66.3
5-6 PM	3679	0.0	OFF	3679	0	0.00	0	65.7	65.7	65.7
6-7 PM	3061	0.0	OFF	3061	0	0.00	0	66.9	66.9	66.9
7-8 PM	2349	0.0	3000	2349	0	0.33	0	67.8	61.3	49.7
8-9 PM	1971	0.0	3000	1971	0	0.34	0	68.3	61.5	49.7
9-10 PM	1883	0.0	3000	1883	0	0.34	0	68.4	61.6	49.7
10-11 PM	1410	0.0	3000	1410	0	0.34	0	69.0	62.0	49.7
11PM-MID	947	0.0	3000	947	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	0.0331
MAIN ROUTE WITH WORKS	0.0324
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$727
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

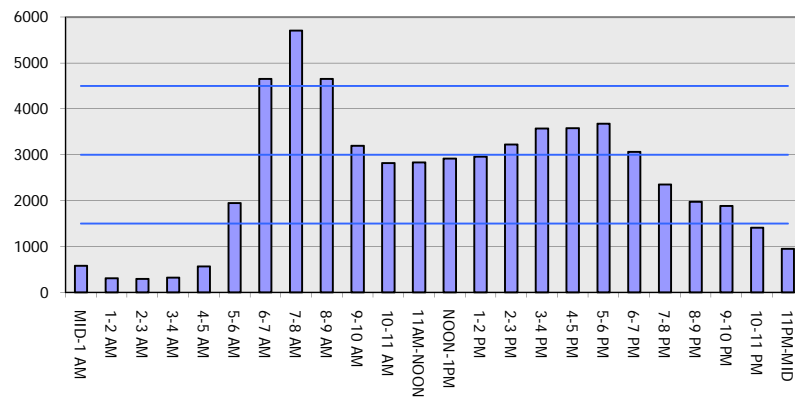
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**OCTOBER**

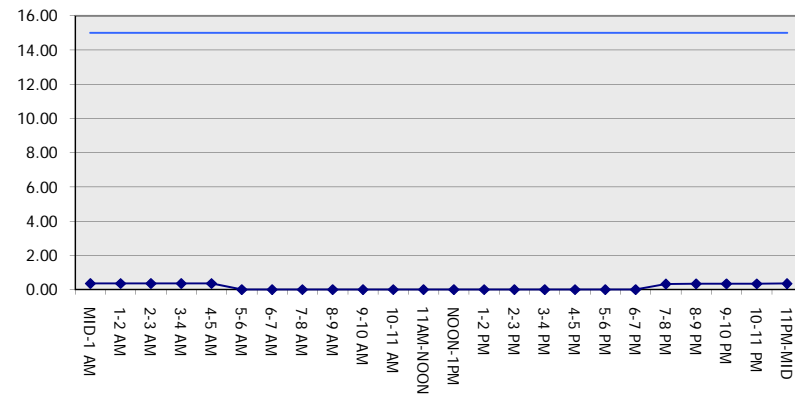
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR EASTBOUND DIRECTION**

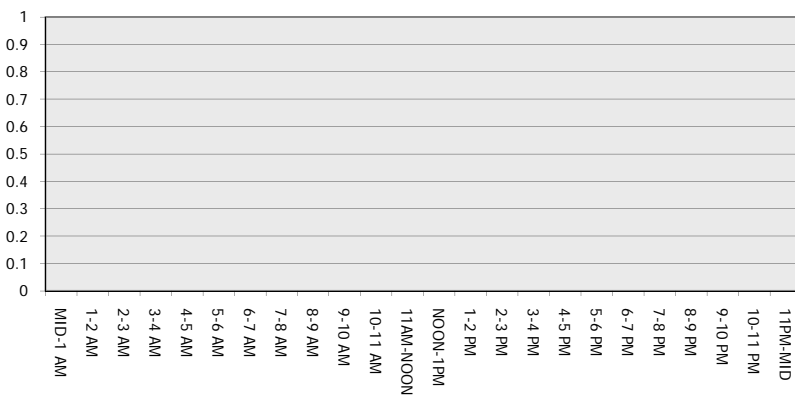
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

