

<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**

FRIDAY 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	705	0.0	3000	705	0	0.36	0	69.9	62.5	49.7
1-2 AM	510	0.0	3000	510	0	0.36	0	70.1	62.6	49.7
2-3 AM	500	0.0	3000	500	0	0.36	0	70.1	62.6	49.7
3-4 AM	444	0.0	3000	444	0	0.36	0	70.2	62.7	49.7
4-5 AM	732	0.0	3000	732	0	0.35	0	69.8	62.5	49.7
5-6 AM	1702	0.0	OFF	1702	0	0.00	0	68.6	68.6	68.6
6-7 AM	2956	0.0	OFF	2956	0	0.00	0	67.1	67.1	67.1
7-8 AM	3404	0.0	OFF	3404	0	0.00	0	66.5	66.5	66.5
8-9 AM	2984	0.0	OFF	2984	0	0.00	0	67.0	67.0	67.0
9-10 AM	2791	0.0	OFF	2791	0	0.00	0	67.3	67.3	67.3
10-11 AM	2949	0.0	OFF	2949	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3378	0.0	OFF	3378	0	0.00	0	66.5	66.5	66.5
NOON-1PM	3859	0.0	OFF	3859	0	0.00	0	64.5	64.5	64.5
1-2 PM	4037	0.0	OFF	4037	0	0.00	0	63.3	63.3	63.3
2-3 PM	4812	0.0	OFF	4812	0	0.00	0	58.0	58.0	58.0
3-4 PM	5504	0.0	OFF	5504	0	0.00	0	53.3	53.3	53.3
4-5 PM	5954	0.0	OFF	5954	0	0.00	0	50.2	50.2	50.2
5-6 PM	5574	0.0	OFF	5574	0	0.00	0	52.8	52.8	52.8
6-7 PM	4035	0.0	OFF	4035	0	0.00	0	63.3	63.3	63.3
7-8 PM	2917	0.0	2999	2917	0	1.09	26	67.1	49.8	39.7
8-9 PM	2203	0.0	3000	2203	0	0.33	0	68.0	61.4	49.7
9-10 PM	2257	0.0	3000	2257	0	0.33	0	67.9	61.4	49.7
10-11 PM	1960	0.0	3000	1960	0	0.34	0	68.3	61.6	49.7
11PM-MID	1421	0.0	3000	1421	0	0.34	0	69.0	62.0	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	0.0376
MAIN ROUTE WITH WORKS	0.0367
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,528
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)**

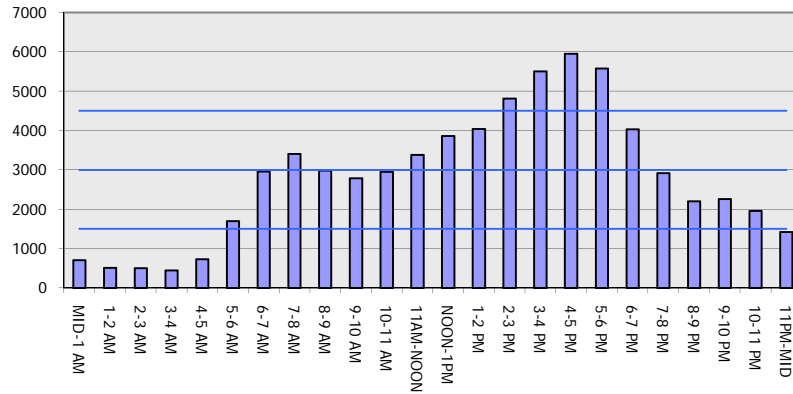
**OCTOBER**

Analyzed for 2009  
 Construction Season

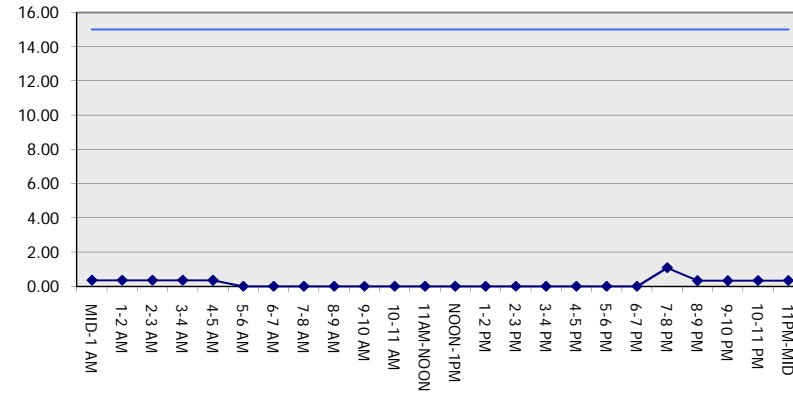
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**

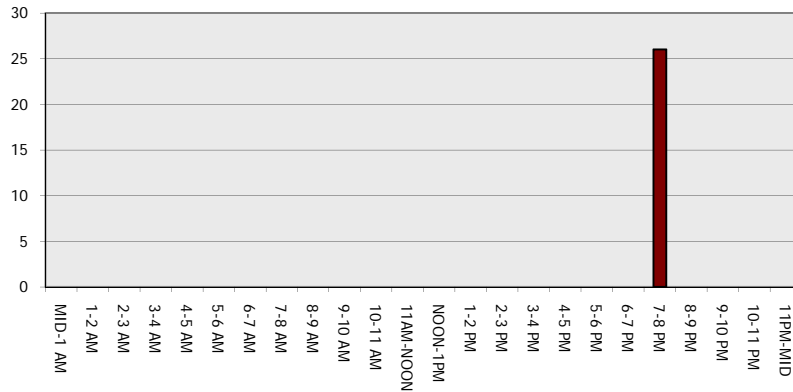
**Main Route - Traffic Demand (Vehicles Per Hour)**



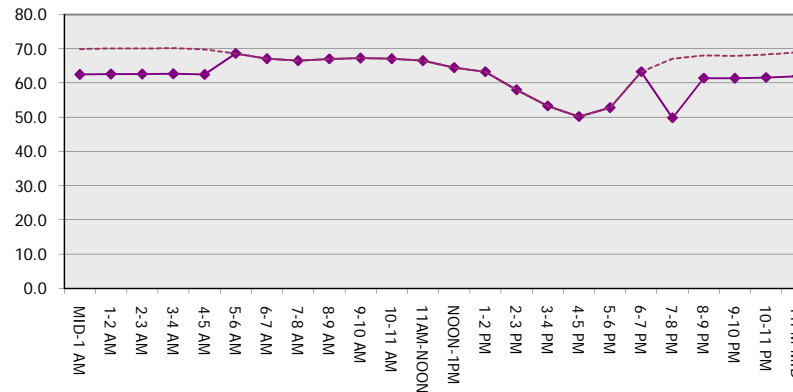
**Main Route Average Delay Per Vehicle (Minutes)**



**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**

FRIDAY 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	678	0.0	3000	678	0	0.36	0	69.9	62.5	49.7
1-2 AM	399	0.0	3000	399	0	0.36	0	70.2	62.7	49.7
2-3 AM	363	0.0	3000	363	0	0.36	0	70.2	62.7	49.7
3-4 AM	399	0.0	3000	399	0	0.36	0	70.2	62.7	49.7
4-5 AM	599	0.0	3000	599	0	0.36	0	70.0	62.5	49.7
5-6 AM	1951	0.0	OFF	1951	0	0.00	0	68.3	68.3	68.3
6-7 AM	4634	0.0	OFF	4634	0	0.00	0	59.2	59.2	59.2
7-8 AM	5979	0.0	OFF	5979	0	0.00	0	50.0	50.0	50.0
8-9 AM	4554	0.0	OFF	4554	0	0.00	0	59.7	59.7	59.7
9-10 AM	3397	0.0	OFF	3397	0	0.00	0	66.5	66.5	66.5
10-11 AM	3245	0.0	OFF	3245	0	0.00	0	66.7	66.7	66.7
11AM-NOON	3447	0.0	OFF	3447	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3541	0.0	OFF	3541	0	0.00	0	66.3	66.3	66.3
1-2 PM	3542	0.0	OFF	3542	0	0.00	0	66.3	66.3	66.3
2-3 PM	4163	0.0	OFF	4163	0	0.00	0	62.4	62.4	62.4
3-4 PM	4189	0.0	OFF	4189	0	0.00	0	62.2	62.2	62.2
4-5 PM	4001	0.0	OFF	4001	0	0.00	0	63.5	63.5	63.5
5-6 PM	4294	0.0	OFF	4294	0	0.00	0	61.5	61.5	61.5
6-7 PM	3836	0.0	OFF	3836	0	0.00	0	64.6	64.6	64.6
7-8 PM	3152	0.0	2999	3152	0	2.71	113	66.8	35.9	37.3
8-9 PM	2627	0.0	2999	2627	0	1.07	38	67.4	50.2	42.7
9-10 PM	2584	0.0	3000	2584	0	0.46	0	67.5	58.9	44.9
10-11 PM	1935	0.0	3000	1935	0	0.34	0	68.3	61.6	49.7
11PM-MID	1519	0.0	3000	1519	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	0.0384
MAIN ROUTE WITH WORKS	0.0375
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,263
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

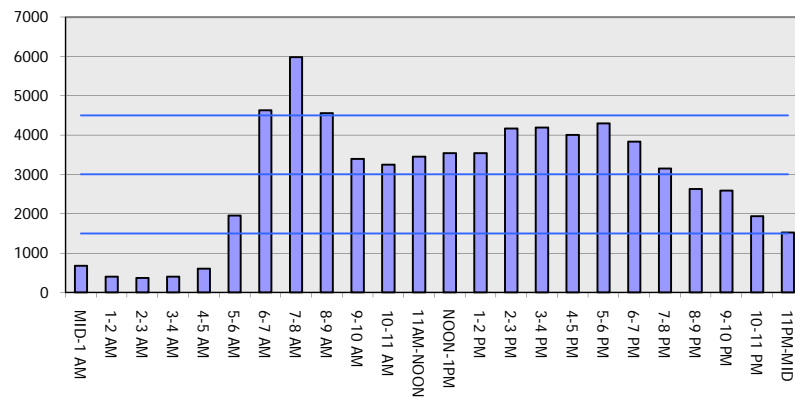
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**OCTOBER**

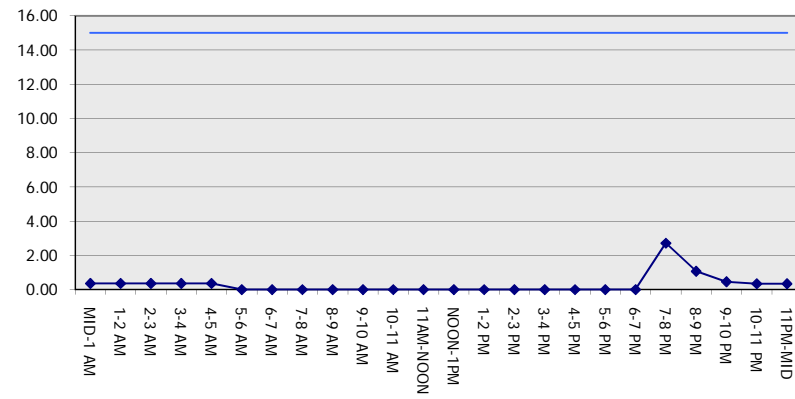
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

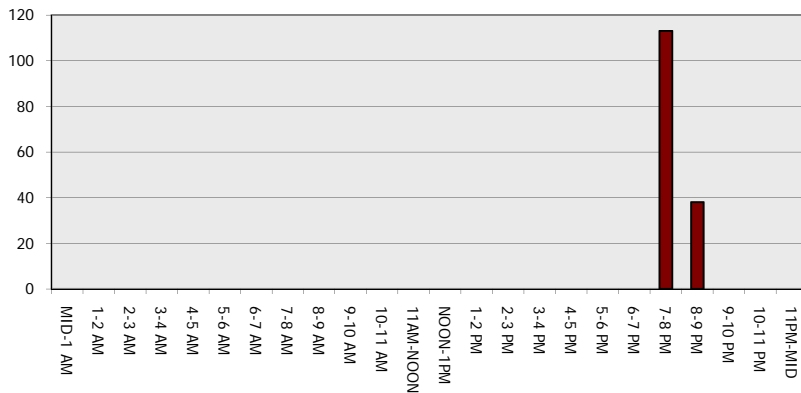
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

