

<b>IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	861	0.0	1499	861	0	3.30	140	69.7	33.2	38.5	
1-2 AM	624	0.0	1500	624	0	0.55	0	70.0	59.2	43.0	
2-3 AM	596	0.0	1500	596	0	0.54	0	70.0	59.2	43.2	
3-4 AM	486	0.0	1500	486	0	0.53	0	70.1	59.6	43.5	
4-5 AM	861	0.0	1500	861	0	0.57	0	69.7	58.6	42.2	
5-6 AM	1863	0.0	1499	1863	0	4.36	123	68.4	28.3	30.8	
6-7 AM	2733	0.0	1499	1500	1233	16.31+	399	67.3	10.8	30.8	
7-8 AM	2811	0.0	1499	1500	1311	16.30+	400	67.3	10.8	30.8	
8-9 AM	3009	0.0	1500	1500	1509	16.29+	400	67.0	10.8	30.8	
9-10 AM	2981	0.0	1500	1500	1481	16.29+	400	67.0	10.8	30.8	
10-11 AM	3192	0.0	1500	1500	1692	16.28+	400	66.8	10.8	30.8	
11AM-NOON	3523	0.0	1499	1500	2023	16.26+	400	66.4	10.8	30.8	
NOON-1PM	4010	0.0	1500	1500	2510	16.12+	400	63.5	10.8	30.8	
1-2 PM	4150	0.0	1500	1500	2650	16.07+	400	62.5	10.8	30.8	
2-3 PM	4353	0.0	1500	1500	2853	15.99+	400	61.1	10.8	30.8	
3-4 PM	5209	0.0	1499	1500	3709	15.63+	400	55.3	10.8	30.8	
4-5 PM	5138	0.0	1500	1500	3638	15.66+	400	55.8	10.8	30.8	
5-6 PM	5333	0.0	1499	1500	3833	15.57+	400	54.4	10.8	30.8	
6-7 PM	3634	0.0	1500	1500	2134	16.25+	400	66.0	10.8	30.8	
7-8 PM	2957	0.0	1500	1500	1457	16.29+	400	67.1	10.8	30.8	
8-9 PM	2093	0.0	1500	1500	593	16.34+	400	68.1	10.8	30.8	
9-10 PM	2123	0.0	1500	1500	623	16.34+	400	68.1	10.8	30.8	
10-11 PM	2687	0.0	1499	1500	1187	16.31+	400	67.4	10.8	30.8	
11PM-MID	1984	0.0	1500	1512	472	16.30+	398	68.2	10.8	30.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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	0.0374
MAIN ROUTE WITH WORKS	0.0159
'DIVERSION'	0.0450
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$226,540
CONGESTED HOURS PER DAY*	18

\*Delays Exceeding User-Specified Maximum

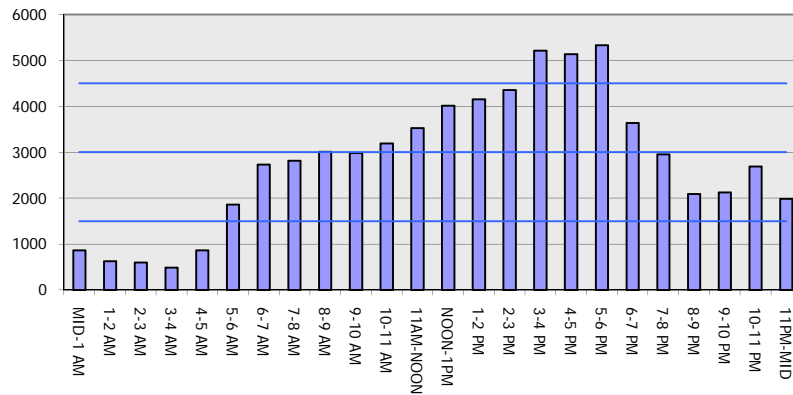
**IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)**  
**CONTINUOUS (24 HOUR) 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**

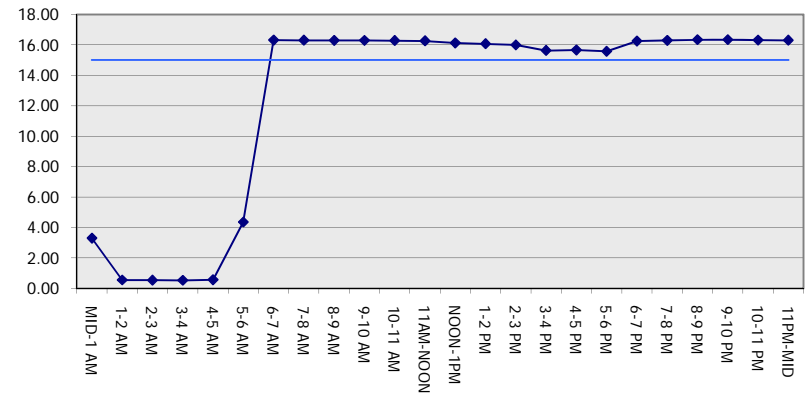
Analyzed for 2009  
 Construction Season

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

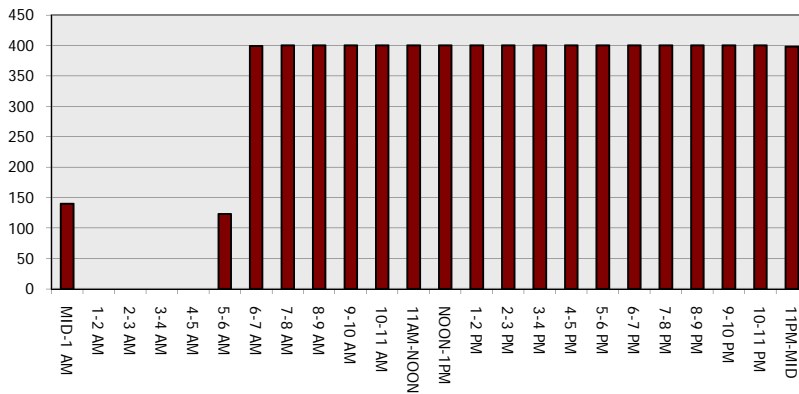
**Main Route - Traffic Demand (Vehicles Per Hour)**



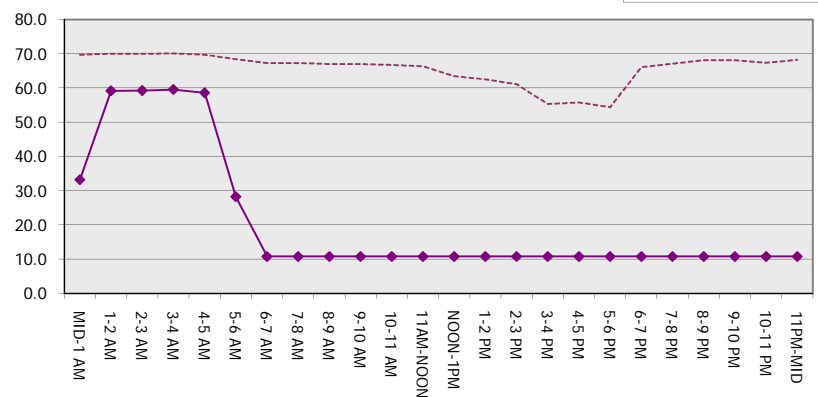
**Main Route Average Delay Per Vehicle (Minutes)**



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



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



<b>IH 43/94: BECHER ST TO MITCHELL INTERCHANGE (MILWAUKEE COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	765	0.0	1499	765	0	2.30	94	69.8	39.5	41.2	
1-2 AM	402	0.0	1500	402	0	0.52	0	70.2	59.7	43.9	
2-3 AM	373	0.0	1500	373	0	0.52	0	70.2	59.8	44.0	
3-4 AM	371	0.0	1500	371	0	0.52	0	70.2	59.8	44.0	
4-5 AM	601	0.0	1500	601	0	0.54	0	70.0	59.2	43.1	
5-6 AM	1895	0.0	1499	1895	0	3.04	103	68.4	34.3	31.2	
6-7 AM	4054	0.0	1499	1500	2554	16.10+	399	63.2	10.8	30.8	
7-8 AM	4803	0.0	1500	1500	3303	15.81+	400	58.1	10.8	30.8	
8-9 AM	4193	0.0	1500	1500	2693	16.05+	400	62.2	10.8	30.8	
9-10 AM	3096	0.0	1500	1500	1596	16.29+	400	66.9	10.8	30.8	
10-11 AM	3040	0.0	1500	1500	1540	16.29+	400	66.9	10.8	30.8	
11AM-NOON	3348	0.0	1500	1500	1848	16.27+	400	66.6	10.8	30.8	
NOON-1PM	3505	0.0	1500	1500	2005	16.26+	400	66.4	10.8	30.8	
1-2 PM	3658	0.0	1500	1500	2158	16.24+	400	65.9	10.8	30.8	
2-3 PM	3864	0.0	1500	1500	2364	16.17+	400	64.5	10.8	30.8	
3-4 PM	3954	0.0	1500	1500	2454	16.14+	400	63.8	10.8	30.8	
4-5 PM	3687	0.0	1500	1500	2187	16.23+	400	65.6	10.8	30.8	
5-6 PM	3756	0.0	1500	1500	2256	16.20+	400	65.2	10.8	30.8	
6-7 PM	3617	0.0	1500	1500	2117	16.25+	400	66.1	10.8	30.8	
7-8 PM	3006	0.0	1500	1500	1506	16.29+	400	67.0	10.8	30.8	
8-9 PM	2219	0.0	1500	1500	719	16.34+	400	68.0	10.8	30.8	
9-10 PM	1904	0.0	1500	1500	404	16.35+	400	68.4	10.8	30.8	
10-11 PM	2021	0.0	1500	1500	521	16.35+	400	68.2	10.8	30.8	
11PM-MID	1505	0.0	1500	1424	81	15.88+	387	68.9	11.1	30.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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	0.0354
MAIN ROUTE WITH WORKS	0.0154
'DIVERSION'	0.0417

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$217,347
CONGESTED HOURS PER DAY*	18

\*Delays Exceeding User-Specified Maximum

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**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

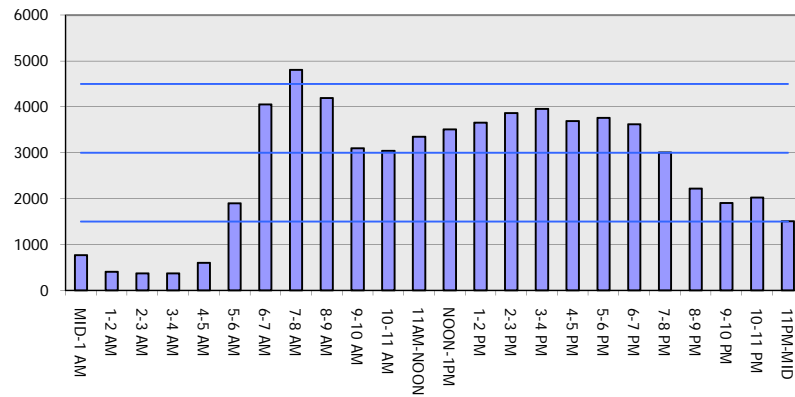
**AUGUST**

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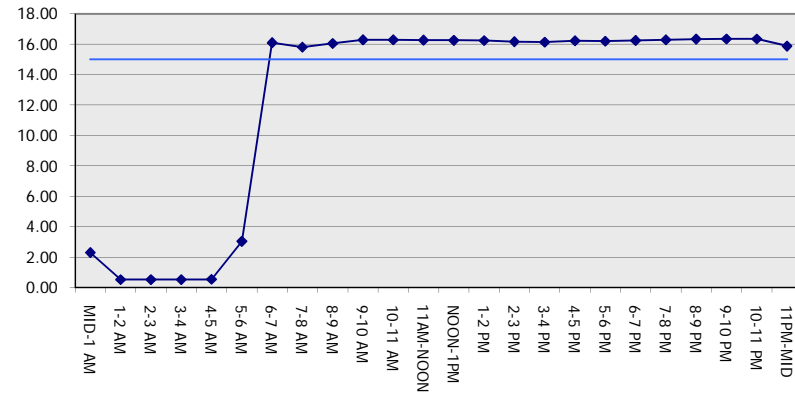
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY EASTBOUND DIRECTION**

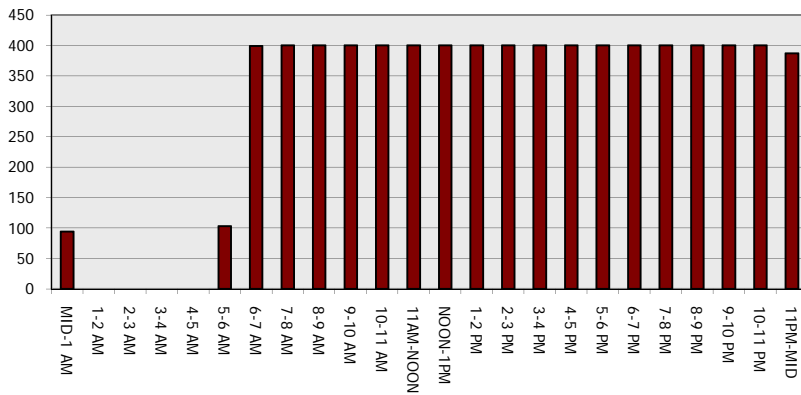
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

