

<b>IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)                  CONTINUOUS (24 HOUR) 2 LANE CLOSURE                  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	355	0.0	1500	355	0	1.32	53	70.2	46.9	43.8	
1-2 AM	260	0.0	1500	260	0	0.50	0	70.2	58.9	44.5	
2-3 AM	302	0.0	1500	302	0	0.51	0	70.2	58.9	44.3	
3-4 AM	447	0.0	1500	447	0	0.53	0	70.2	58.5	43.7	
4-5 AM	829	0.0	1500	829	0	0.57	0	69.7	57.4	42.3	
5-6 AM	2169	0.0	1499	2123	45	5.78+	207	68.1	21.9	30.8	
6-7 AM	4576	0.0	1500	1274	3301	15.29+	390	59.6	10.1	35.2	
7-8 AM	5783	0.0	1500	1500	4283	15.46+	400	51.4	9.7	30.8	
8-9 AM	5099	0.0	1500	1500	3599	15.76+	400	56.0	9.7	30.8	
9-10 AM	4134	0.0	1500	1500	2634	16.11+	400	62.6	9.7	30.8	
10-11 AM	4297	0.0	1500	1500	2797	16.05+	400	61.5	9.7	30.8	
11AM-NOON	4756	0.0	1500	1500	3256	15.89+	400	58.4	9.7	30.8	
NOON-1PM	5042	0.0	1500	1500	3542	15.78+	400	56.4	9.7	30.8	
1-2 PM	5324	0.0	1500	1500	3824	15.66+	400	54.5	9.7	30.8	
2-3 PM	5857	0.0	1500	1500	4357	15.42+	400	50.9	9.7	30.8	
3-4 PM	6185	0.0	1500	1500	4685	15.25+	400	48.6	9.7	30.8	
4-5 PM	5612	0.0	1500	1500	4112	15.54+	400	52.5	9.7	30.8	
5-6 PM	5356	0.0	1500	1500	3856	15.65+	400	54.3	9.7	30.8	
6-7 PM	5292	0.0	1500	1500	3792	15.68+	400	54.7	9.7	30.8	
7-8 PM	3550	0.0	1500	1500	2050	16.27+	400	66.3	9.7	30.8	
8-9 PM	2444	0.0	1500	1500	944	16.33+	400	67.7	9.7	30.8	
9-10 PM	2549	0.0	1500	1500	1049	16.32+	400	67.6	9.7	30.8	
10-11 PM	2173	0.0	1500	1500	673	16.34+	400	68.1	9.7	30.8	
11PM-MID	1580	0.0	1500	1426	154	15.58+	380	68.7	10.2	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	0.0414
MAIN ROUTE WITH WORKS	0.0133
'DIVERSION'	0.0605
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$284,269
CONGESTED HOURS PER DAY*	19

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

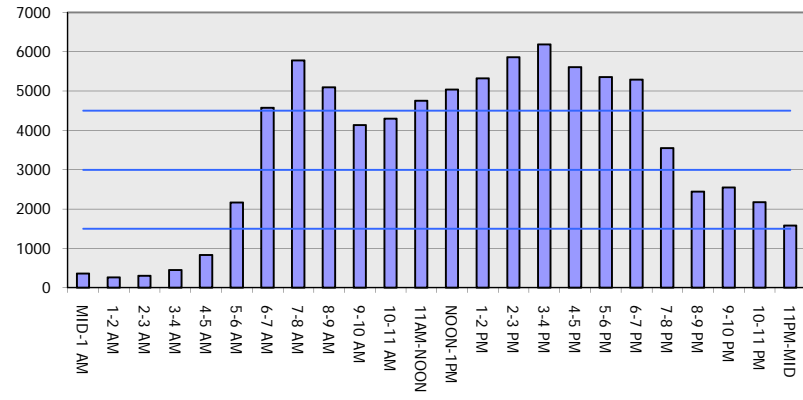
**OCTOBER**

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Construction Season

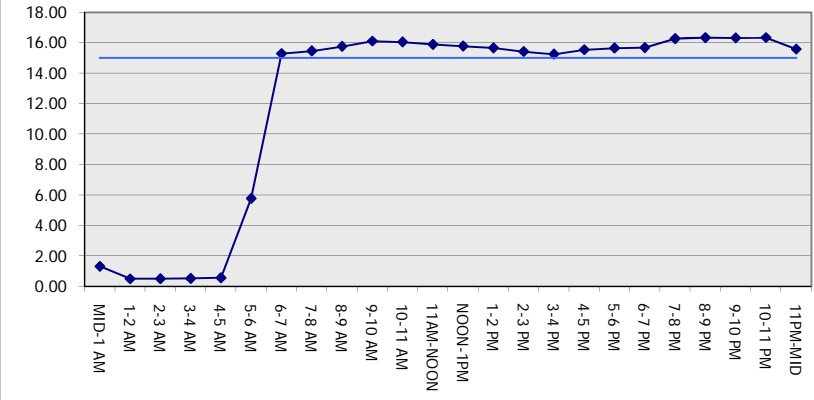
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**

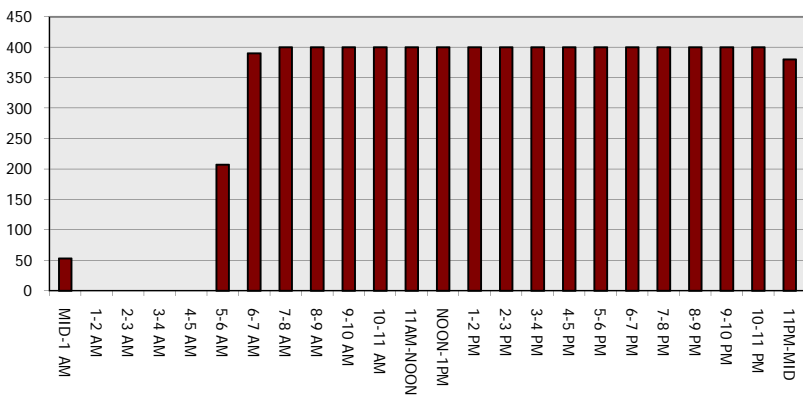
**Main Route - Traffic Demand (Vehicles Per Hour)**



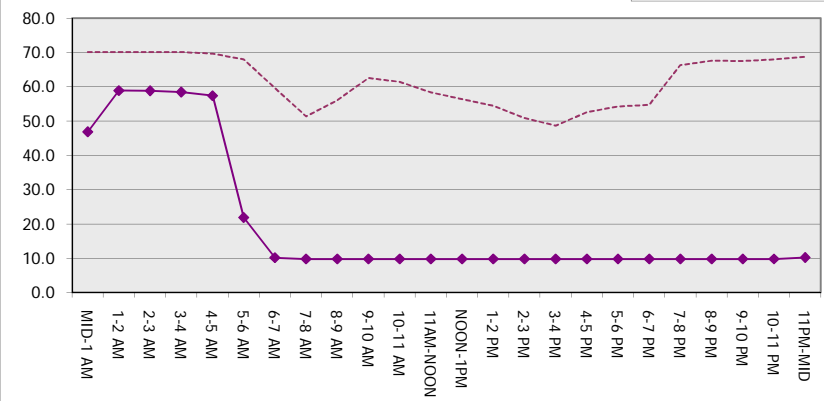
**Main Route Average Delay Per Vehicle (Minutes)**



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



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



<b>IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE 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	312	0.0	1500	312	0	1.35	57	70.2	46.5	43.9	
1-2 AM	223	0.0	1500	223	0	0.50	0	70.2	59.1	44.6	
2-3 AM	264	0.0	1500	264	0	0.50	0	70.2	58.9	44.4	
3-4 AM	402	0.0	1500	402	0	0.52	0	70.2	58.6	43.9	
4-5 AM	711	0.0	1500	711	0	0.56	0	69.9	57.8	42.7	
5-6 AM	2226	0.0	1499	2161	64	5.22+	204	67.9	23.4	30.8	
6-7 AM	5331	0.0	1500	1174	4157	14.92+	390	54.5	10.1	35.6	
7-8 AM	6102	0.0	1500	1500	4602	15.29+	400	49.2	9.7	30.8	
8-9 AM	5154	0.0	1500	1500	3654	15.74+	400	55.6	9.7	30.8	
9-10 AM	4412	0.0	1500	1500	2912	16.01+	400	60.7	9.7	30.8	
10-11 AM	4082	0.0	1500	1500	2582	16.12+	400	63.0	9.7	30.8	
11AM-NOON	4440	0.0	1500	1500	2940	16.00+	400	60.5	9.7	30.8	
NOON-1PM	4689	0.0	1500	1500	3189	15.92+	400	58.8	9.7	30.8	
1-2 PM	4845	0.0	1500	1500	3345	15.86+	400	57.8	9.7	30.8	
2-3 PM	5593	0.0	1500	1500	4093	15.54+	400	52.7	9.7	30.8	
3-4 PM	5942	0.0	1500	1500	4442	15.38+	400	50.2	9.7	30.8	
4-5 PM	5705	0.0	1500	1500	4205	15.49+	400	51.9	9.7	30.8	
5-6 PM	5445	0.0	1500	1500	3945	15.61+	400	53.7	9.7	30.8	
6-7 PM	4751	0.0	1500	1500	3251	15.89+	400	58.4	9.7	30.8	
7-8 PM	3729	0.0	1500	1500	2229	16.23+	400	65.4	9.7	30.8	
8-9 PM	2843	0.0	1500	1500	1343	16.31+	400	67.2	9.7	30.8	
9-10 PM	2872	0.0	1500	1500	1372	16.31+	400	67.2	9.7	30.8	
10-11 PM	2430	0.0	1500	1500	930	16.33+	400	67.7	9.7	30.8	
11PM-MID	1737	0.0	1500	1502	235	15.19+	370	68.6	10.4	30.8	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0416
MAIN ROUTE WITH WORKS	0.0131
'DIVERSION'	0.0611

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$285,828
CONGESTED HOURS PER DAY*	19

\*Delays Exceeding User-Specified Maximum

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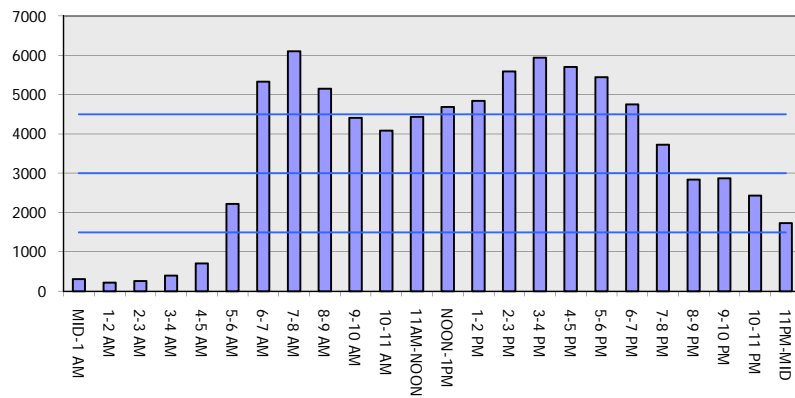
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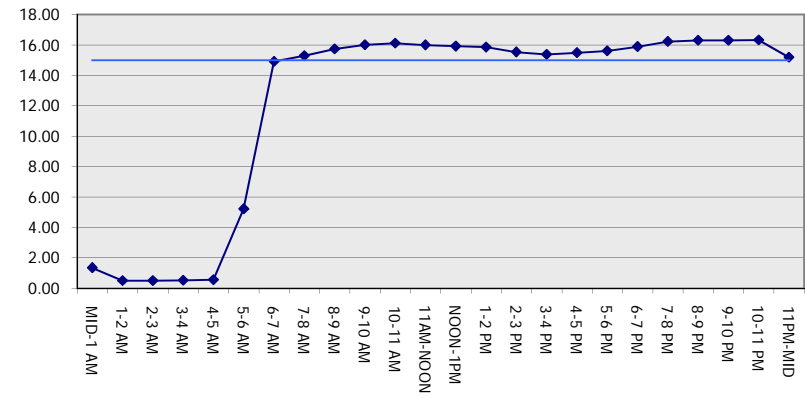
**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY EASTBOUND DIRECTION**

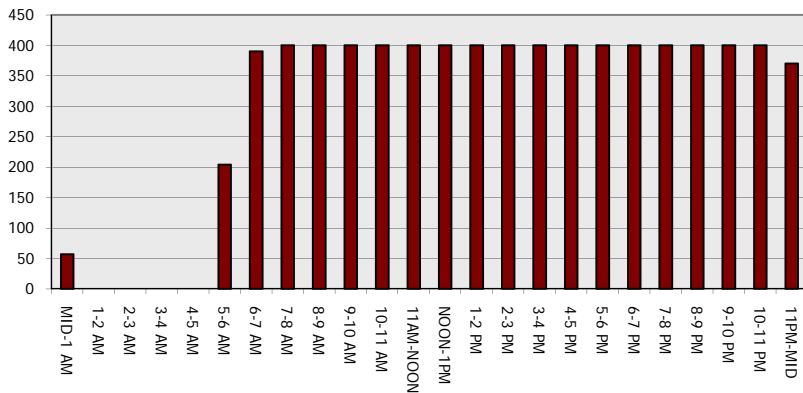
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

