

<b>IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (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	915	0.0	3000	915	0	0.36	0	70.2	58.0	49.7
1-2 AM	550	0.0	3000	550	0	0.36	0	70.2	58.0	49.7
2-3 AM	531	0.0	3000	531	0	0.36	0	70.2	58.0	49.7
3-4 AM	611	0.0	3000	611	0	0.36	0	70.2	58.0	49.7
4-5 AM	1026	0.0	3000	1026	0	0.36	0	70.2	58.0	49.7
5-6 AM	2788	0.0	OFF	2788	0	0.00	0	68.6	68.6	68.6
6-7 AM	5457	0.0	OFF	5457	0	0.00	0	54.9	54.9	54.9
7-8 AM	6096	0.0	OFF	6096	0	0.00	0	50.5	50.5	50.5
8-9 AM	5064	0.0	OFF	5064	0	0.00	0	57.6	57.6	57.6
9-10 AM	4214	0.0	OFF	4214	0	0.00	0	63.3	63.3	63.3
10-11 AM	4073	0.0	OFF	4073	0	0.00	0	64.3	64.3	64.3
11AM-NOON	4101	0.0	OFF	4101	0	0.00	0	64.1	64.1	64.1
NOON-1PM	4244	0.0	OFF	4244	0	0.00	0	63.2	63.2	63.2
1-2 PM	4402	0.0	OFF	4402	0	0.00	0	62.1	62.1	62.1
2-3 PM	4910	0.0	OFF	4910	0	0.00	0	58.6	58.6	58.6
3-4 PM	5499	0.0	OFF	5499	0	0.00	0	54.6	54.6	54.6
4-5 PM	5212	0.0	OFF	5212	0	0.00	0	56.6	56.6	56.6
5-6 PM	5026	0.0	OFF	5026	0	0.00	0	57.8	57.8	57.8
6-7 PM	4244	0.0	OFF	4244	0	0.00	0	63.2	63.2	63.2
7-8 PM	3112	0.0	2999	3112	0	2.68	108	68.2	27.0	36.9
8-9 PM	2552	0.0	3000	2552	0	0.70	16	68.9	49.2	44.5
9-10 PM	2507	0.0	3000	2507	0	0.44	0	68.9	55.0	46.1
10-11 PM	1971	0.0	3000	1971	0	0.35	0	69.6	57.8	49.7
11PM-MID	1391	0.0	3000	1391	0	0.36	0	70.2	58.0	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	0.0256
MAIN ROUTE WITH WORKS	0.0246
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,219
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**OCTOBER**

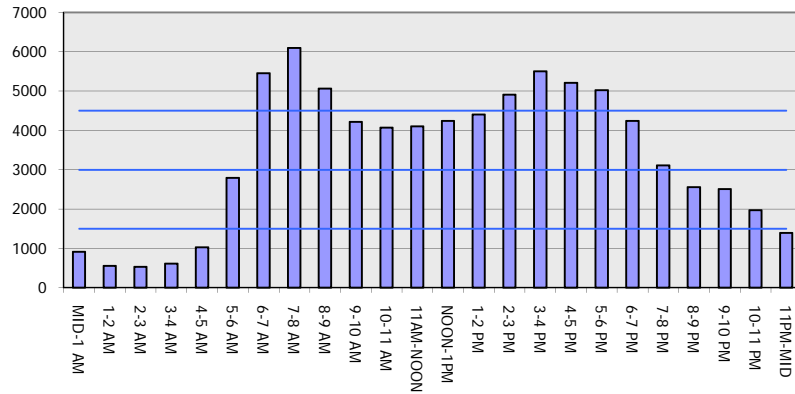
Analyzed for 2009  
 Construction Season

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

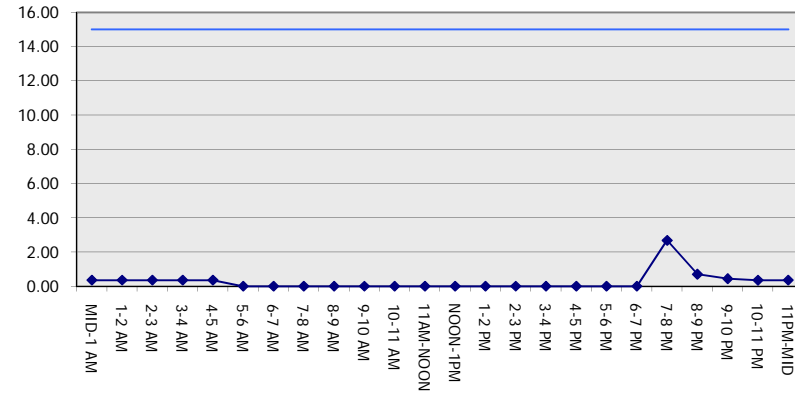
**MON-THUR**

**WESTBOUND DIRECTION**

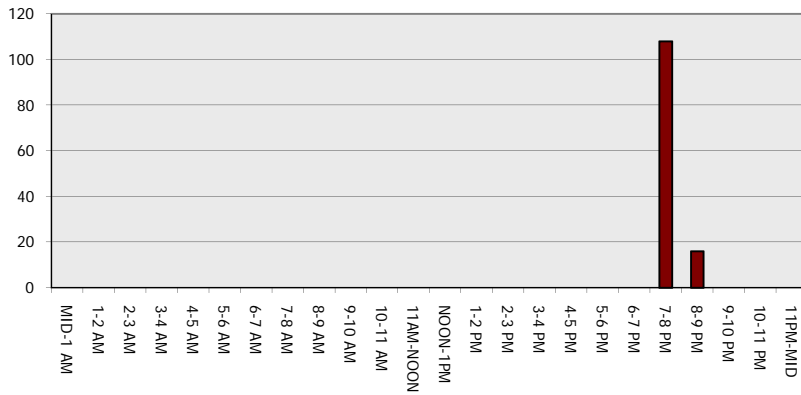
**Main Route - Traffic Demand (Vehicles Per Hour)**



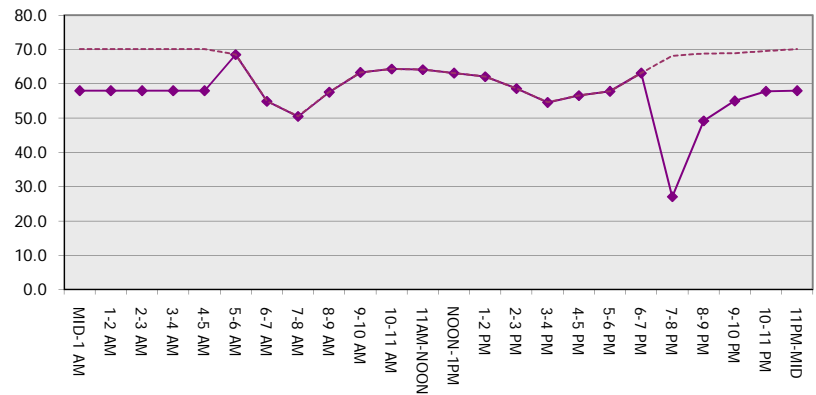
**Main Route Average Delay Per Vehicle (Minutes)**



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



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



<b>IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (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	820	0.0	3000	820	0	0.36	0	70.2	58.0	49.7	
1-2 AM	599	0.0	3000	599	0	0.36	0	70.2	58.0	49.7	
2-3 AM	587	0.0	3000	587	0	0.36	0	70.2	58.0	49.7	
3-4 AM	755	0.0	3000	755	0	0.36	0	70.2	58.0	49.7	
4-5 AM	1406	0.0	3000	1406	0	0.36	0	70.2	58.0	49.7	
5-6 AM	3065	0.0	OFF	3065	0	0.00	0	68.2	68.2	68.2	
6-7 AM	5212	0.0	OFF	5212	0	0.00	0	56.6	56.6	56.6	
7-8 AM	4721	0.0	OFF	4721	0	0.00	0	59.9	59.9	59.9	
8-9 AM	4529	0.0	OFF	4529	0	0.00	0	61.2	61.2	61.2	
9-10 AM	4032	0.0	OFF	4032	0	0.00	0	64.6	64.6	64.6	
10-11 AM	3862	0.0	OFF	3862	0	0.00	0	65.8	65.8	65.8	
11AM-NOON	4142	0.0	OFF	4142	0	0.00	0	63.8	63.8	63.8	
NOON-1PM	4470	0.0	OFF	4470	0	0.00	0	61.6	61.6	61.6	
1-2 PM	4769	0.0	OFF	4769	0	0.00	0	59.6	59.6	59.6	
2-3 PM	5563	0.0	OFF	5563	0	0.00	0	54.2	54.2	54.2	
3-4 PM	6140	0.0	OFF	6140	0	0.00	0	50.2	50.2	50.2	
4-5 PM	6543	0.0	OFF	6543	0	0.00	0	47.4	47.4	47.4	
5-6 PM	6596	0.0	OFF	6596	0	0.00	0	47.1	47.1	47.1	
6-7 PM	5145	0.0	OFF	5145	0	0.00	0	57.0	57.0	57.0	
7-8 PM	3667	0.0	2999	3667	0	7.37	401	67.1	14.8	36.9	
8-9 PM	2971	0.0	2999	2971	0	13.17	682	68.4	11.2	36.9	
9-10 PM	2693	0.0	2999	2693	0	9.97	513	68.7	12.6	36.9	
10-11 PM	2046	0.0	3000	2046	0	1.01	69	69.5	44.0	48.5	
11PM-MID	1400	0.0	3000	1400	0	0.36	0	70.2	58.0	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	0.0273
MAIN ROUTE WITH WORKS	0.0262
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,765
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

**OCTOBER**

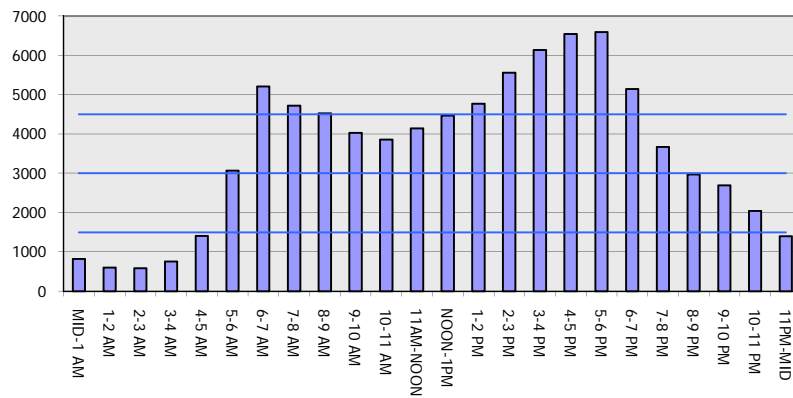
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

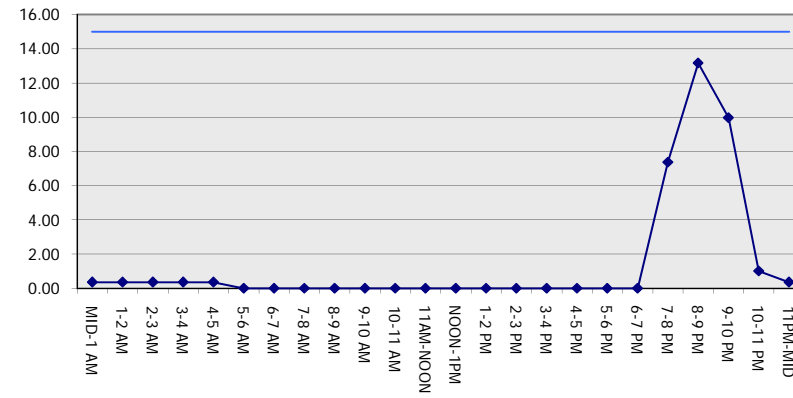
**MON-THUR**

**EASTBOUND DIRECTION**

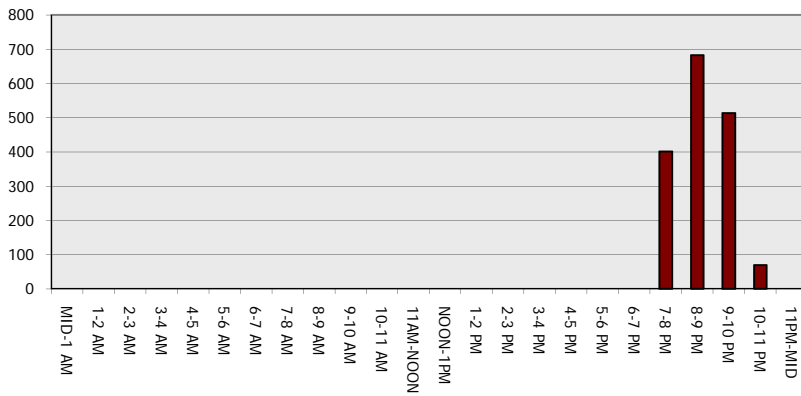
**Main Route - Traffic Demand (Vehicles Per Hour)**



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



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



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

