

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	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	OFF	915	0	0.00	0	70.2	70.2	70.2
1-2 AM	550	0.0	OFF	550	0	0.00	0	70.2	70.2	70.2
2-3 AM	531	0.0	OFF	531	0	0.00	0	70.2	70.2	70.2
3-4 AM	611	0.0	OFF	611	0	0.00	0	70.2	70.2	70.2
4-5 AM	1026	0.0	OFF	1026	0	0.00	0	70.2	70.2	70.2
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	2999	4030	44	9.12+	533	64.3	13.6	36.9
11AM-NOON	4101	0.0	2999	2864	1237	17.17+	913	64.1	10.1	36.9
NOON-1PM	4244	0.0	2999	3017	1227	16.98+	905	63.2	10.1	36.9
1-2 PM	4402	0.0	3000	3023	1378	17.23+	922	62.1	10.0	36.9
2-3 PM	4910	0.0	2999	3014	1896	17.69+	959	58.6	9.9	36.9
3-4 PM	5499	0.0	OFF	5499	0	7.13	698	54.6	12.9	12.9
4-5 PM	5212	0.0	OFF	5212	0	1.39	127	56.6	34.1	34.1
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	OFF	3112	0	0.00	0	68.2	68.2	68.2
8-9 PM	2552	0.0	OFF	2552	0	0.00	0	68.9	68.9	68.9
9-10 PM	2507	0.0	OFF	2507	0	0.00	0	68.9	68.9	68.9
10-11 PM	1971	0.0	OFF	1971	0	0.00	0	69.6	69.6	69.6
11PM-MID	1391	0.0	OFF	1391	0	0.00	0	70.2	70.2	70.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0256
MAIN ROUTE WITH WORKS	0.0227
'DIVERSION'	0.0043
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$53,030
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

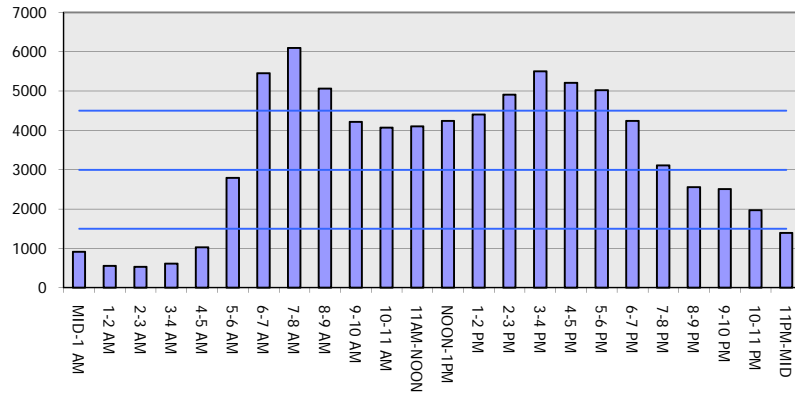
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OCTOBER

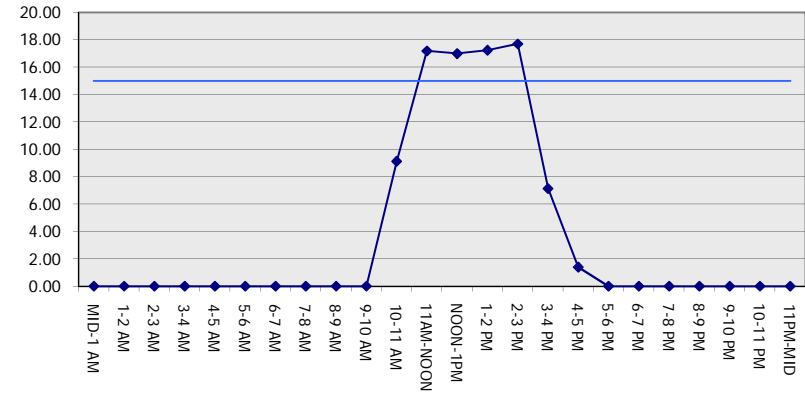
Analyzed for 2009
 Construction Season

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

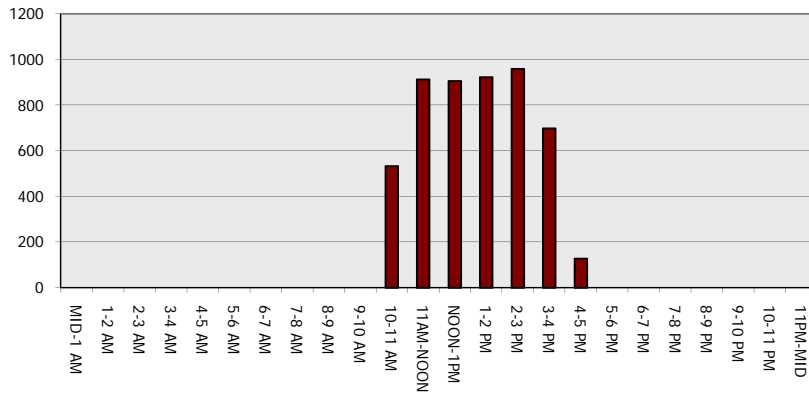
Main Route - Traffic Demand (Vehicles Per Hour)



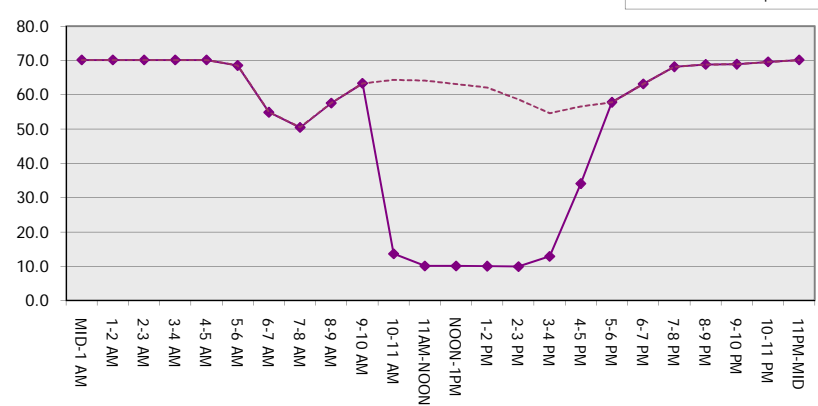
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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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	OFF	820	0	0.00	0	70.2	70.2	70.2
1-2 AM	599	0.0	OFF	599	0	0.00	0	70.2	70.2	70.2
2-3 AM	587	0.0	OFF	587	0	0.00	0	70.2	70.2	70.2
3-4 AM	755	0.0	OFF	755	0	0.00	0	70.2	70.2	70.2
4-5 AM	1406	0.0	OFF	1406	0	0.00	0	70.2	70.2	70.2
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	2999	3862	0	7.37	427	65.8	15.2	36.9
11AM-NOON	4142	0.0	2999	3042	1100	16.89+	898	63.8	10.1	36.9
NOON-1PM	4470	0.0	3000	3038	1432	17.31+	928	61.6	10.0	36.9
1-2 PM	4769	0.0	3000	3010	1759	17.69+	955	59.6	9.9	36.9
2-3 PM	5563	0.0	3000	3000	2563	17.44+	961	54.2	9.9	36.9
3-4 PM	6140	0.0	OFF	6140	0	10.18	1022	50.2	9.6	9.6
4-5 PM	6543	0.0	OFF	6543	0	13.46	1364	47.4	7.5	7.5
5-6 PM	6596	0.0	OFF	6596	0	19.14	1934	47.1	5.5	5.5
6-7 PM	5145	0.0	OFF	5145	0	18.29	1804	57.0	5.9	5.9
7-8 PM	3667	0.0	OFF	3667	0	4.36	406	67.1	19.5	19.5
8-9 PM	2971	0.0	OFF	2971	0	0.00	0	68.4	68.4	68.4
9-10 PM	2693	0.0	OFF	2693	0	0.00	0	68.7	68.7	68.7
10-11 PM	2046	0.0	OFF	2046	0	0.00	0	69.5	69.5	69.5
11PM-MID	1400	0.0	OFF	1400	0	0.00	0	70.2	70.2	70.2

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0241
'DIVERSION'	0.0051

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$101,494
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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

