

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1322	0.0	1499	1322	0	13.64+	335	70.2	8.5	32.5	
1-2 AM	837	0.0	1500	837	0	1.13	40	70.2	42.2	45.1	
2-3 AM	687	0.0	1500	687	0	0.45	0	70.2	55.5	46.1	
3-4 AM	573	0.0	1500	573	0	0.44	0	70.2	55.8	46.6	
4-5 AM	681	0.0	1500	681	0	0.45	0	70.2	55.5	46.1	
5-6 AM	1239	0.0	1499	1239	0	0.68	0	70.2	50.2	39.7	
6-7 AM	1991	0.0	1499	1991	0	6.58	200	69.6	15.0	32.5	
7-8 AM	2687	0.0	1500	1472	1215	16.88+	416	68.7	7.5	32.5	
8-9 AM	3349	0.0	OFF	3349	0	0.45	40	67.9	54.1	54.1	
9-10 AM	2672	0.0	OFF	2672	0	0.00	0	68.7	68.7	68.7	
10-11 AM	3471	0.0	OFF	3471	0	0.00	0	67.8	67.8	67.8	
11AM-NOON	4757	0.0	OFF	4757	0	0.00	0	59.7	59.7	59.7	
NOON-1PM	4788	0.0	OFF	4788	0	0.00	0	59.4	59.4	59.4	
1-2 PM	4632	0.0	OFF	4632	0	0.00	0	60.5	60.5	60.5	
2-3 PM	5077	0.0	OFF	5077	0	0.00	0	57.5	57.5	57.5	
3-4 PM	5117	0.0	OFF	5117	0	0.00	0	57.2	57.2	57.2	
4-5 PM	4986	0.0	OFF	4986	0	0.00	0	58.1	58.1	58.1	
5-6 PM	4649	0.0	OFF	4649	0	0.00	0	60.4	60.4	60.4	
6-7 PM	4139	0.0	1499	1578	2561	17.10+	433	63.9	7.5	39.0	
7-8 PM	2601	0.0	1499	1631	971	14.77+	388	68.8	8.3	37.9	
8-9 PM	2408	0.0	1499	1774	634	15.84+	393	69.1	7.8	32.5	
9-10 PM	2803	0.0	1499	1470	1333	16.89+	416	68.6	7.5	32.5	
10-11 PM	2353	0.0	1499	1494	859	16.75+	412	69.1	7.6	32.5	
11PM-MID	1723	0.0	1499	1450	273	16.54+	406	69.9	7.6	32.5	

"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

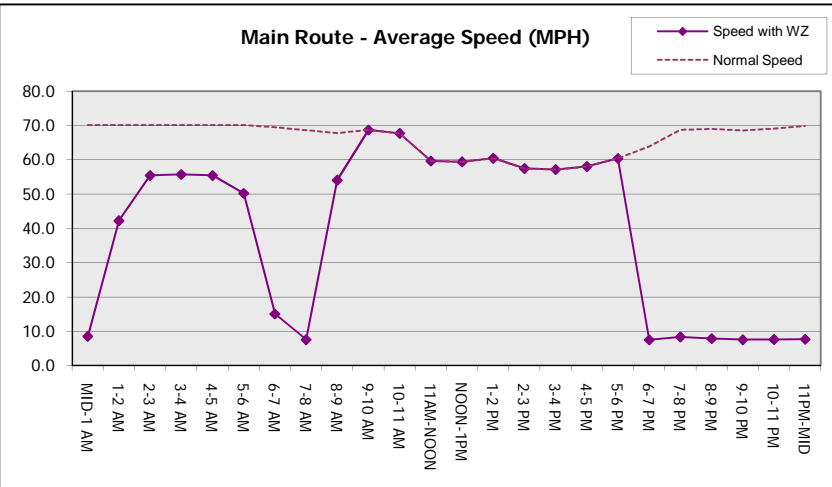
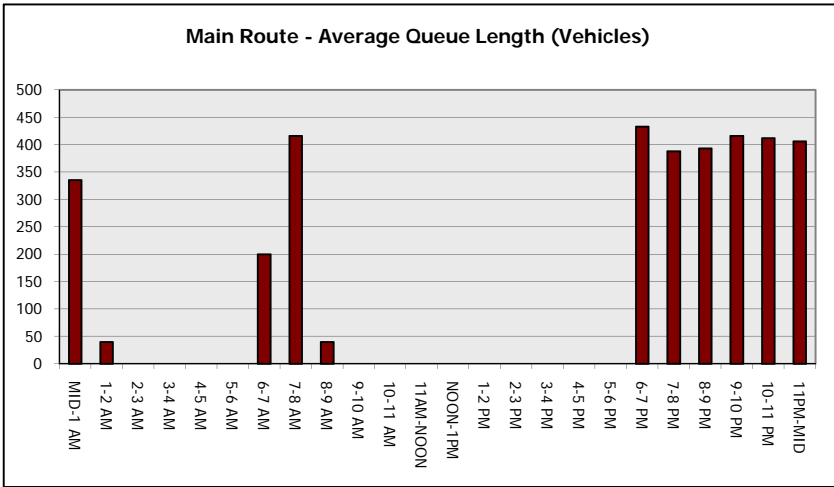
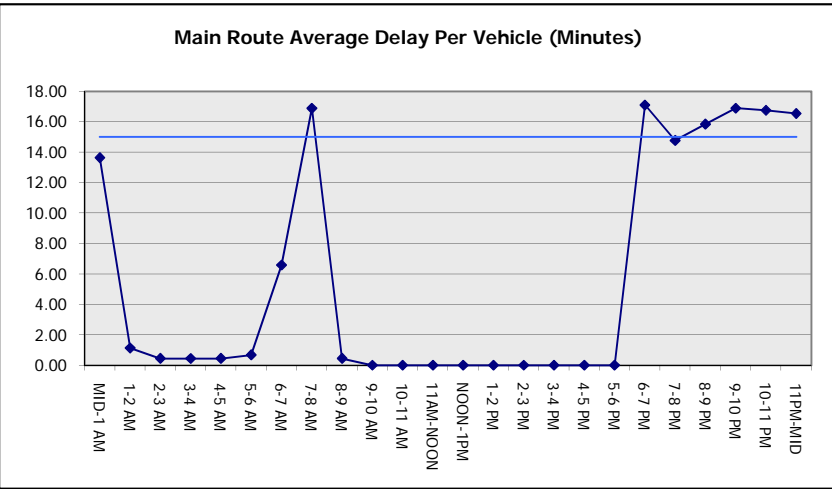
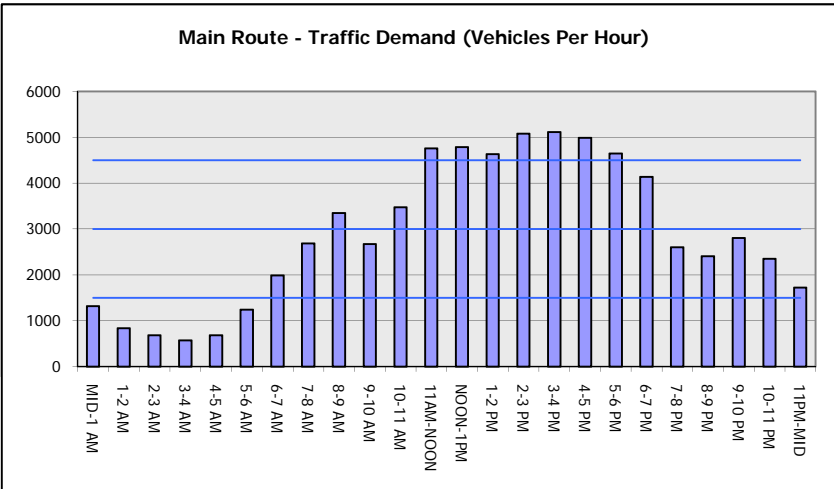
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0221
MAIN ROUTE WITH WORKS	0.0184
'DIVERSION'	0.0058
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$85,434
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1248	0.0	1499	1248	0	12.79+	320	70.2	8.9	33.3
1-2 AM	888	0.0	1500	888	0	0.91	24	70.2	45.9	45.1
2-3 AM	857	0.0	1500	857	0	0.48	0	70.2	54.9	45.4
3-4 AM	699	0.0	1500	699	0	0.46	0	70.2	55.4	46.1
4-5 AM	980	0.0	1499	980	0	0.49	0	70.2	54.5	44.8
5-6 AM	1812	0.0	1499	1812	0	4.46	122	69.8	19.4	32.5
6-7 AM	2035	0.0	1499	1604	431	16.29+	400	69.5	7.7	32.5
7-8 AM	2417	0.0	1499	1500	917	16.74+	412	69.1	7.6	32.5
8-9 AM	3164	0.0	OFF	3164	0	0.32	30	68.1	57.7	57.7
9-10 AM	2687	0.0	OFF	2687	0	0.00	0	68.7	68.7	68.7
10-11 AM	3597	0.0	OFF	3597	0	0.00	0	67.6	67.6	67.6
11AM-NOON	4832	0.0	OFF	4832	0	0.00	0	59.1	59.1	59.1
NOON-1PM	5086	0.0	OFF	5086	0	0.00	0	57.4	57.4	57.4
1-2 PM	4932	0.0	OFF	4932	0	0.00	0	58.4	58.4	58.4
2-3 PM	5020	0.0	OFF	5020	0	0.00	0	57.9	57.9	57.9
3-4 PM	4856	0.0	OFF	4856	0	0.00	0	59.0	59.0	59.0
4-5 PM	4647	0.0	OFF	4647	0	0.00	0	60.4	60.4	60.4
5-6 PM	4382	0.0	OFF	4382	0	0.00	0	62.2	62.2	62.2
6-7 PM	3749	0.0	1499	1574	2175	17.09+	430	66.6	7.5	39.0
7-8 PM	2468	0.0	1499	1685	783	14.34+	375	69.0	8.4	37.5
8-9 PM	2435	0.0	1499	1658	776	16.16+	398	69.0	7.7	32.5
9-10 PM	3132	0.0	1499	1501	1631	16.98+	419	68.1	7.5	32.5
10-11 PM	2452	0.0	1500	1499	953	16.74+	412	69.0	7.6	32.5
11PM-MID	1852	0.0	1500	1500	352	16.73+	411	69.7	7.6	32.5

"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	0.0224
MAIN ROUTE WITH WORKS	0.0186
'DIVERSION'	0.0059

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$90,778
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

