

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	931	0.0	OFF	931	0	0.00	0	70.2	70.2	70.2	
1-2 AM	533	0.0	OFF	533	0	0.00	0	70.2	70.2	70.2	
2-3 AM	496	0.0	OFF	496	0	0.00	0	70.2	70.2	70.2	
3-4 AM	621	0.0	OFF	621	0	0.00	0	70.2	70.2	70.2	
4-5 AM	946	0.0	OFF	946	0	0.00	0	70.2	70.2	70.2	
5-6 AM	2780	0.0	OFF	2780	0	0.00	0	68.6	68.6	68.6	
6-7 AM	5315	0.0	OFF	5315	0	0.00	0	55.8	55.8	55.8	
7-8 AM	6052	0.0	OFF	6052	0	0.00	0	50.8	50.8	50.8	
8-9 AM	4882	0.0	OFF	4882	0	0.00	0	58.8	58.8	58.8	
9-10 AM	3767	0.0	OFF	3767	0	0.00	0	66.4	66.4	66.4	
10-11 AM	3973	0.0	1499	1574	2399	17.03+	430	65.0	7.5	39.0	
11AM-NOON	3986	0.0	1499	1814	2171	15.24+	395	65.0	8.1	37.5	
NOON-1PM	4146	0.0	1499	1500	2646	16.89+	420	63.8	7.5	32.5	
1-2 PM	4228	0.0	1500	1500	2728	16.87+	420	63.3	7.5	32.5	
2-3 PM	4961	0.0	1500	1500	3461	16.67+	420	58.2	7.5	32.5	
3-4 PM	5350	0.0	OFF	5350	0	1.27	116	55.6	35.0	35.0	
4-5 PM	5062	0.0	OFF	5062	0	0.00	0	57.6	57.6	57.6	
5-6 PM	5038	0.0	OFF	5038	0	0.00	0	57.8	57.8	57.8	
6-7 PM	3898	0.0	OFF	3898	0	0.00	0	65.5	65.5	65.5	
7-8 PM	3209	0.0	OFF	3209	0	0.00	0	68.1	68.1	68.1	
8-9 PM	2708	0.0	OFF	2708	0	0.00	0	68.7	68.7	68.7	
9-10 PM	2678	0.0	OFF	2678	0	0.00	0	68.7	68.7	68.7	
10-11 PM	2048	0.0	OFF	2048	0	0.00	0	69.5	69.5	69.5	
11PM-MID	1434	0.0	OFF	1434	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

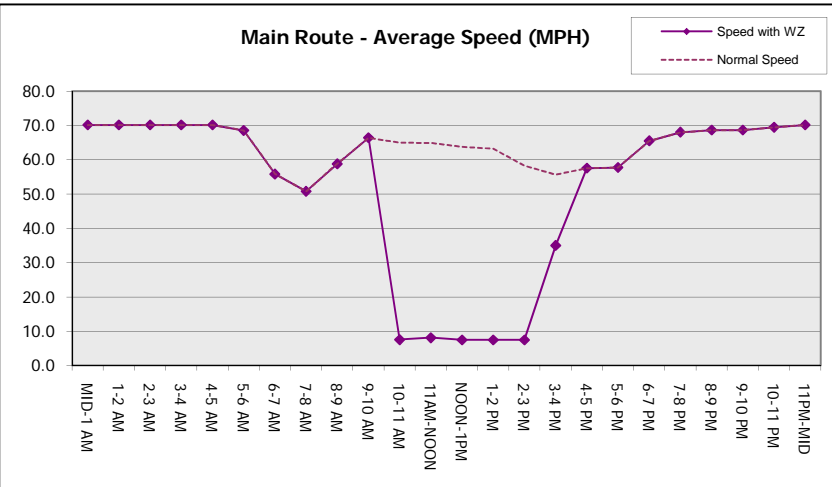
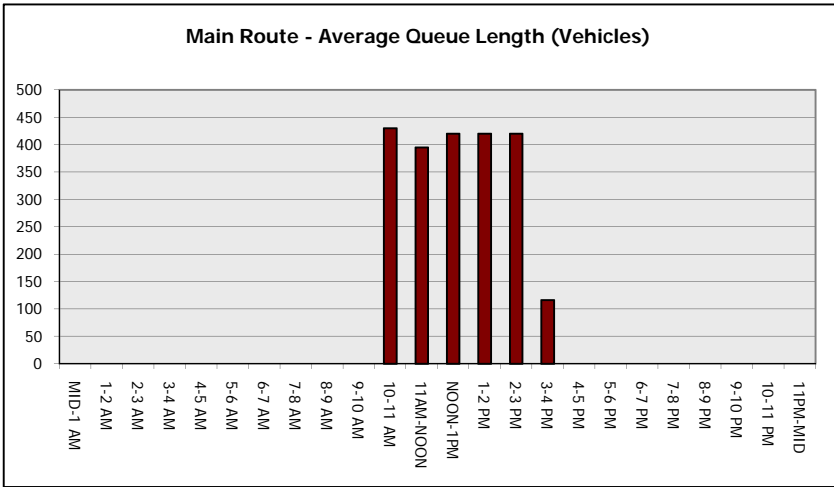
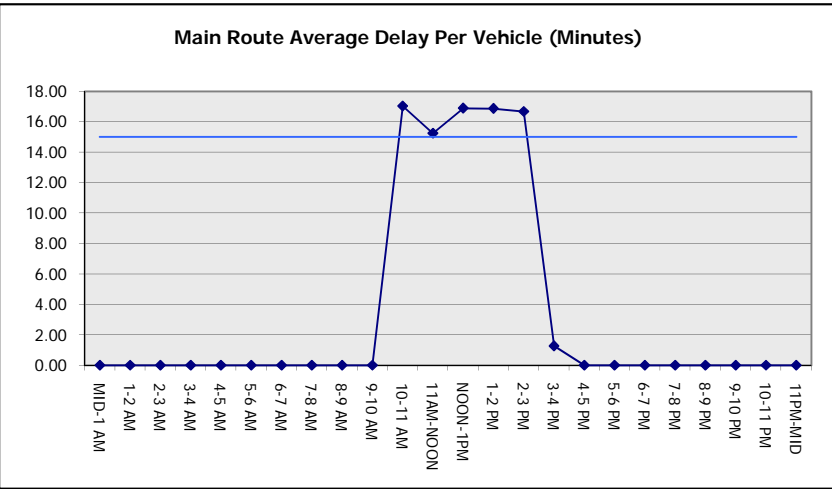
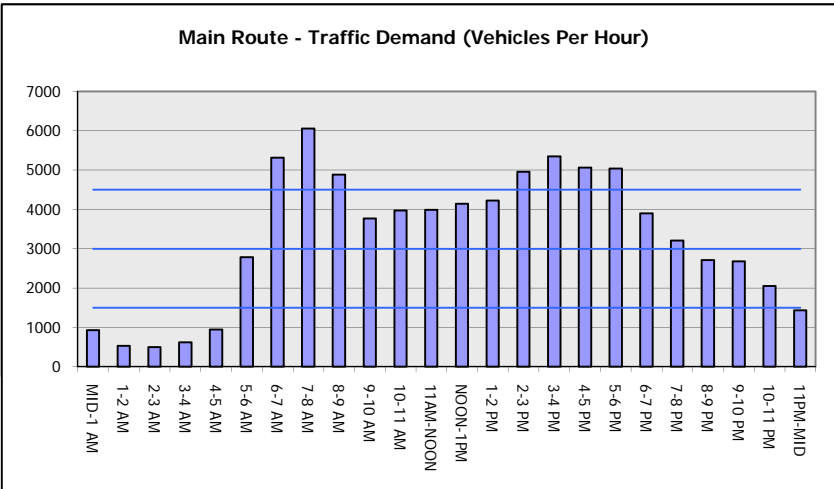
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0252
MAIN ROUTE WITH WORKS	0.0204
'DIVERSION'	0.0099
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$65,588
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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



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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	811	0.0	OFF	811	0	0.00	0	70.2	70.2	70.2
1-2 AM	560	0.0	OFF	560	0	0.00	0	70.2	70.2	70.2
2-3 AM	567	0.0	OFF	567	0	0.00	0	70.2	70.2	70.2
3-4 AM	733	0.0	OFF	733	0	0.00	0	70.2	70.2	70.2
4-5 AM	1429	0.0	OFF	1429	0	0.00	0	70.2	70.2	70.2
5-6 AM	3263	0.0	OFF	3263	0	0.00	0	68.0	68.0	68.0
6-7 AM	4953	0.0	OFF	4953	0	0.00	0	58.3	58.3	58.3
7-8 AM	4804	0.0	OFF	4804	0	0.00	0	59.4	59.4	59.4
8-9 AM	4334	0.0	OFF	4334	0	0.00	0	62.5	62.5	62.5
9-10 AM	3721	0.0	OFF	3721	0	0.00	0	66.8	66.8	66.8
10-11 AM	3810	0.0	1499	1574	2236	17.06+	430	66.1	7.5	39.0
11AM-NOON	4107	0.0	1499	1829	2279	15.26+	396	64.1	8.1	37.5
NOON-1PM	4474	0.0	1499	1500	2974	16.81+	420	61.6	7.5	32.5
1-2 PM	4693	0.0	1500	1500	3193	16.75+	420	60.1	7.5	32.5
2-3 PM	5538	0.0	1500	1500	4038	16.50+	420	54.3	7.5	32.5
3-4 PM	5863	0.0	OFF	5863	0	3.38	333	52.1	21.1	21.1
4-5 PM	6409	0.0	OFF	6409	0	4.57	470	48.4	17.0	17.0
5-6 PM	6643	0.0	OFF	6643	0	9.74	996	46.8	9.7	9.7
6-7 PM	4697	0.0	OFF	4697	0	7.01	665	60.1	13.4	13.4
7-8 PM	3474	0.0	OFF	3474	0	0.00	0	67.8	67.7	67.7
8-9 PM	3011	0.0	OFF	3011	0	0.00	0	68.3	68.3	68.3
9-10 PM	2781	0.0	OFF	2781	0	0.00	0	68.6	68.6	68.6
10-11 PM	2191	0.0	OFF	2191	0	0.00	0	69.3	69.3	69.3
11PM-MID	1405	0.0	OFF	1405	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	0.0268
MAIN ROUTE WITH WORKS	0.0216
'DIVERSION'	0.0109

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,862
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

