

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 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	1499	931	0	1.95	90	70.2	32.9	42.0	
1-2 AM	533	0.0	1500	533	0	0.44	0	70.2	55.9	46.8	
2-3 AM	496	0.0	1500	496	0	0.43	0	70.2	56.0	46.9	
3-4 AM	621	0.0	1500	621	0	0.45	0	70.2	55.6	46.4	
4-5 AM	946	0.0	1499	946	0	0.54	0	70.2	53.3	43.3	
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	OFF	3973	0	0.00	0	65.0	65.0	65.0	
11AM-NOON	3986	0.0	OFF	3986	0	0.00	0	65.0	65.0	65.0	
NOON-1PM	4146	0.0	OFF	4146	0	0.00	0	63.8	63.8	63.8	
1-2 PM	4228	0.0	OFF	4228	0	0.00	0	63.3	63.3	63.3	
2-3 PM	4961	0.0	OFF	4961	0	0.00	0	58.2	58.2	58.2	
3-4 PM	5350	0.0	OFF	5350	0	0.00	0	55.6	55.6	55.6	
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	1499	1573	1636	17.09+	429	68.1	7.5	39.0	
8-9 PM	2708	0.0	1499	1628	1081	14.81+	390	68.7	8.3	38.1	
9-10 PM	2678	0.0	1499	1748	931	15.99+	396	68.7	7.8	32.5	
10-11 PM	2048	0.0	1499	1497	551	16.73+	411	69.5	7.6	32.5	
11PM-MID	1434	0.0	1499	1344	90	15.11+	370	70.2	8.0	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

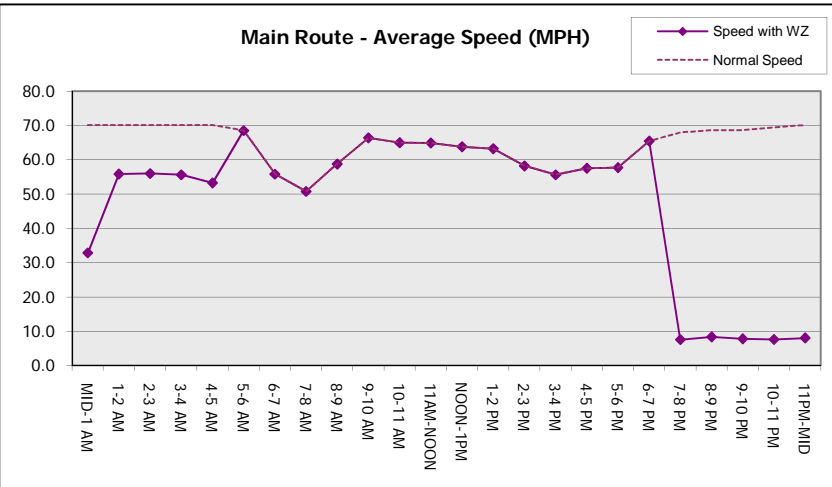
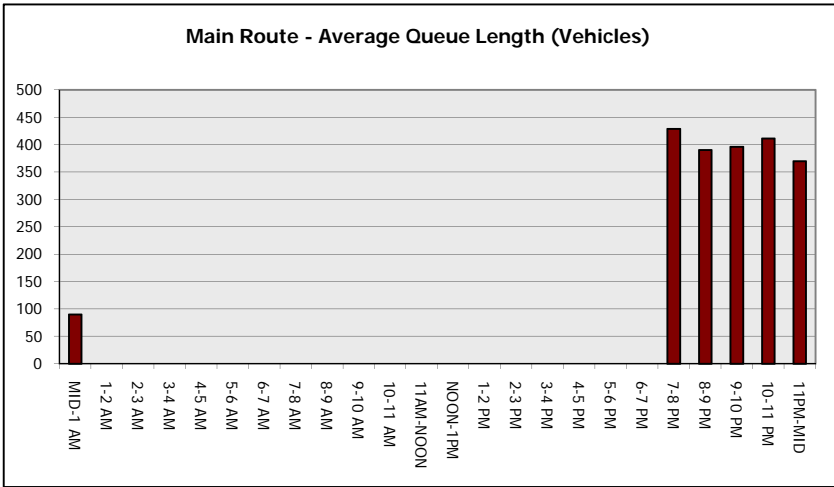
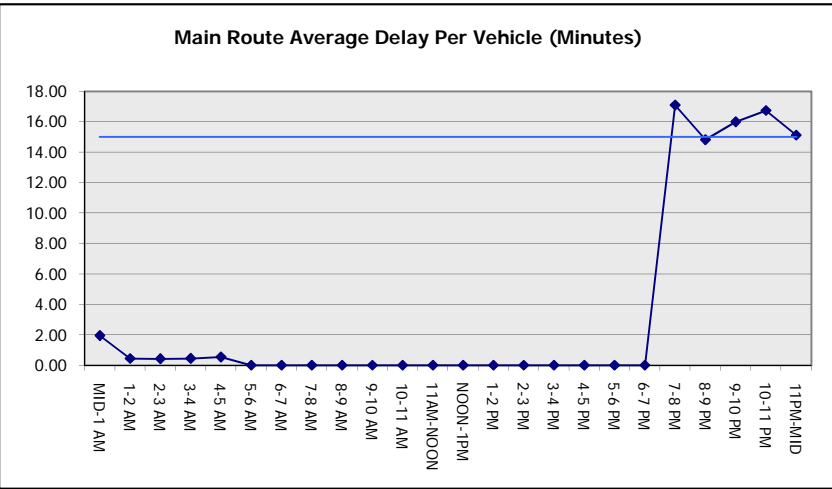
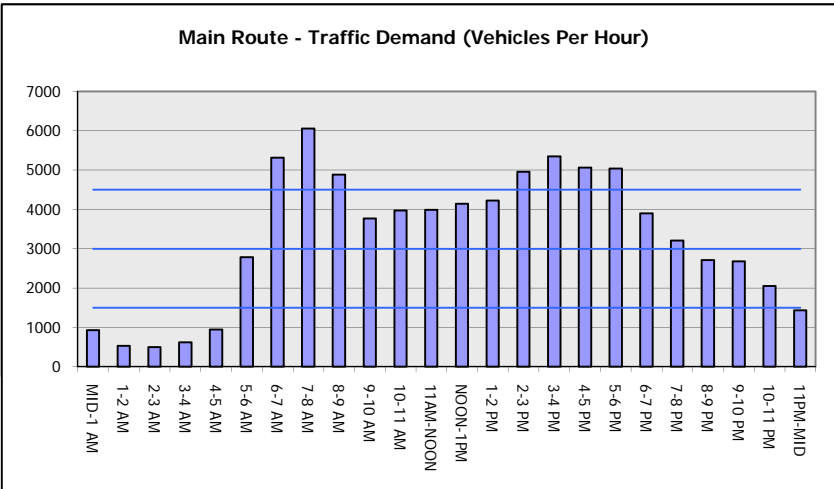
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0252
MAIN ROUTE WITH WORKS	0.0231
'DIVERSION'	0.0032
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$44,966
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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



IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	1500	811	0	1.56	70	70.2	36.7	44.6	
1-2 AM	560	0.0	1500	560	0	0.44	0	70.2	55.8	46.6	
2-3 AM	567	0.0	1500	567	0	0.44	0	70.2	55.8	46.6	
3-4 AM	733	0.0	1500	733	0	0.46	0	70.2	55.3	45.9	
4-5 AM	1429	0.0	1499	1429	0	1.37	30	70.2	38.9	38.4	
5-6 AM	3263	0.0	OFF	3263	0	0.03	2	68.0	66.8	66.8	
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	OFF	3810	0	0.00	0	66.1	66.1	66.1	
11AM-NOON	4107	0.0	OFF	4107	0	0.00	0	64.1	64.1	64.1	
NOON-1PM	4474	0.0	OFF	4474	0	0.00	0	61.6	61.6	61.6	
1-2 PM	4693	0.0	OFF	4693	0	0.00	0	60.1	60.1	60.1	
2-3 PM	5538	0.0	OFF	5538	0	0.00	0	54.3	54.3	54.3	
3-4 PM	5863	0.0	OFF	5863	0	0.00	0	52.1	52.1	52.1	
4-5 PM	6409	0.0	OFF	6409	0	0.00	0	48.4	48.4	48.4	
5-6 PM	6643	0.0	OFF	6643	0	0.00	0	46.8	46.8	46.8	
6-7 PM	4697	0.0	OFF	4697	0	0.00	0	60.1	60.1	60.1	
7-8 PM	3474	0.0	1499	1573	1901	17.10+	430	67.8	7.5	39.0	
8-9 PM	3011	0.0	1499	1671	1340	14.89+	390	68.3	8.3	37.9	
9-10 PM	2781	0.0	1499	1636	1145	16.49+	406	68.6	7.6	32.5	
10-11 PM	2191	0.0	1500	1502	688	16.73+	411	69.3	7.6	32.5	
11PM-MID	1405	0.0	1500	1403	2	15.36+	377	70.2	7.9	32.4	

"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	0.0268
MAIN ROUTE WITH WORKS	0.0244
'DIVERSION'	0.0037

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$48,562
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

