

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

SUNDAY 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	1306	0.0	1500	1306	0	2.07	49	70.2	31.7	35.9	
1-2 AM	755	0.0	1500	755	0	0.46	0	70.2	55.2	45.8	
2-3 AM	558	0.0	1500	558	0	0.44	0	70.2	55.8	46.6	
3-4 AM	383	0.0	1500	383	0	0.42	0	70.2	56.4	47.4	
4-5 AM	389	0.0	1500	389	0	0.42	0	70.2	56.4	47.4	
5-6 AM	610	0.0	1500	610	0	0.45	0	70.2	55.7	46.5	
6-7 AM	1048	0.0	1500	1048	0	0.50	0	70.2	54.3	44.6	
7-8 AM	1353	0.0	1499	1353	0	0.81	0	70.2	47.6	36.5	
8-9 AM	2017	0.0	1499	2017	0	7.06+	214	69.6	14.3	32.5	
9-10 AM	2743	0.0	OFF	2743	0	0.43	40	68.6	55.1	55.1	
10-11 AM	3577	0.0	OFF	3577	0	0.00	0	67.6	67.6	67.6	
11AM-NOON	4369	0.0	OFF	4369	0	0.00	0	62.3	62.3	62.3	
NOON-1PM	4771	0.0	OFF	4771	0	0.00	0	59.6	59.6	59.6	
1-2 PM	4512	0.0	OFF	4512	0	0.00	0	61.4	61.4	61.4	
2-3 PM	4327	0.0	OFF	4327	0	0.00	0	62.6	62.6	62.6	
3-4 PM	4783	0.0	OFF	4783	0	0.00	0	59.5	59.5	59.5	
4-5 PM	4723	0.0	OFF	4723	0	0.00	0	59.9	59.9	59.9	
5-6 PM	4433	0.0	OFF	4433	0	0.00	0	61.9	61.9	61.9	
6-7 PM	3973	0.0	OFF	3973	0	0.00	0	65.0	65.0	65.0	
7-8 PM	3699	0.0	1499	1574	2125	17.09+	430	66.9	7.5	39.0	
8-9 PM	3090	0.0	1499	1684	1406	14.92+	390	68.2	8.3	37.8	
9-10 PM	2755	0.0	1499	1601	1154	16.64+	410	68.6	7.6	32.5	
10-11 PM	2051	0.0	1500	1517	534	16.67+	410	69.5	7.6	32.5	
11PM-MID	1246	0.0	1500	1246	0	10.76	271	70.2	10.1	33.6	

"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

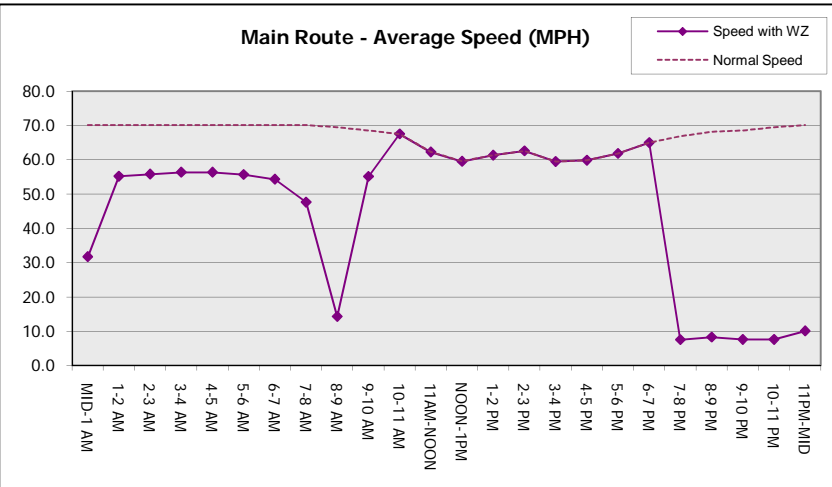
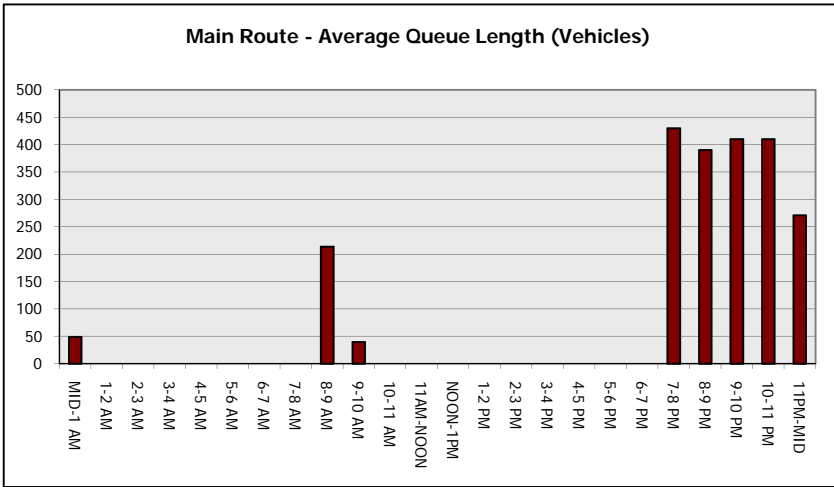
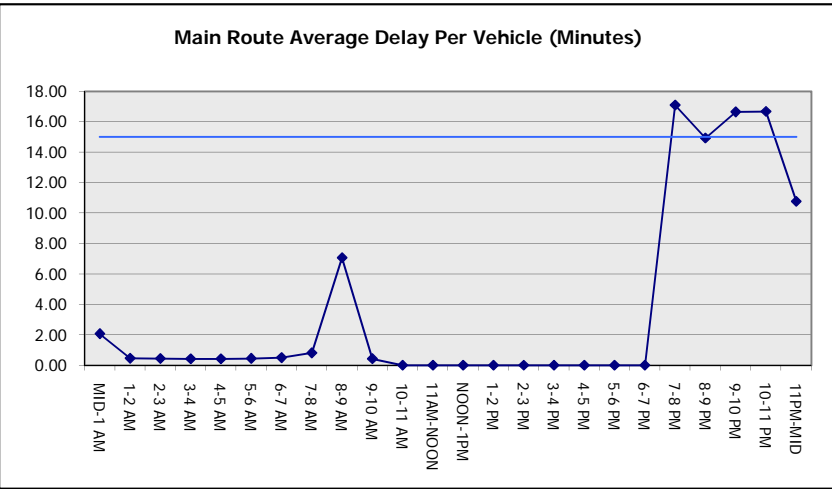
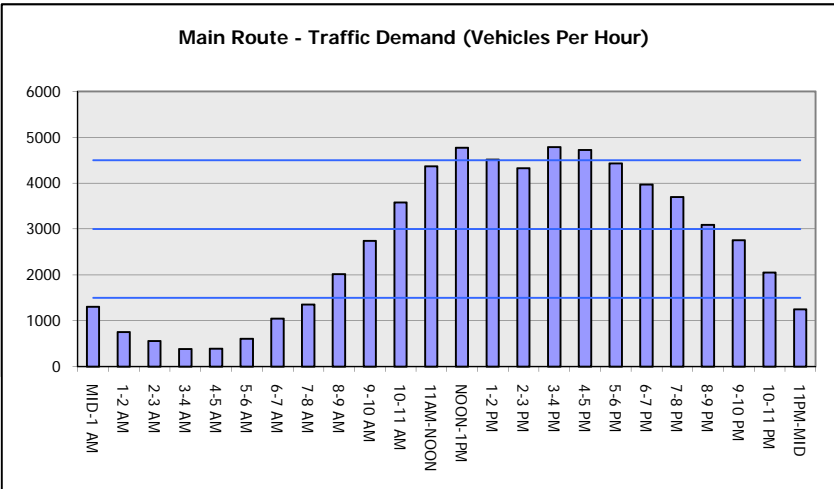
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0202
MAIN ROUTE WITH WORKS	0.0175
'DIVERSION'	0.0038
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$57,036
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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

SUNDAY 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	1171	0.0	1500	1171	0	0.73	5	70.2	49.1	41.9
1-2 AM	835	0.0	1500	835	0	0.47	0	70.2	55.0	45.5
2-3 AM	851	0.0	1500	851	0	0.47	0	70.2	54.9	45.4
3-4 AM	606	0.0	1500	606	0	0.44	0	70.2	55.7	46.5
4-5 AM	580	0.0	1500	580	0	0.44	0	70.2	55.8	46.6
5-6 AM	922	0.0	1500	922	0	0.48	0	70.2	54.7	45.1
6-7 AM	1264	0.0	1499	1264	0	0.70	0	70.2	49.9	39.1
7-8 AM	1571	0.0	1499	1571	0	1.64	23	70.1	35.8	33.0
8-9 AM	2213	0.0	1500	1759	454	12.16+	316	69.3	9.3	32.4
9-10 AM	3276	0.0	OFF	3276	0	0.25	22	67.9	59.7	59.7
10-11 AM	3984	0.0	OFF	3984	0	0.00	0	65.0	65.0	65.0
11AM-NOON	4687	0.0	OFF	4687	0	0.00	0	60.1	60.1	60.1
NOON-1PM	5241	0.0	OFF	5241	0	0.00	0	56.4	56.4	56.4
1-2 PM	5300	0.0	OFF	5300	0	0.00	0	56.0	56.0	56.0
2-3 PM	5379	0.0	OFF	5379	0	0.00	0	55.4	55.4	55.4
3-4 PM	5322	0.0	OFF	5322	0	0.00	0	55.8	55.8	55.8
4-5 PM	5484	0.0	OFF	5484	0	0.00	0	54.7	54.7	54.7
5-6 PM	4873	0.0	OFF	4873	0	0.00	0	58.9	58.9	58.9
6-7 PM	4229	0.0	OFF	4229	0	0.00	0	63.3	63.3	63.3
7-8 PM	3687	0.0	1499	1574	2114	17.09+	430	66.9	7.5	39.0
8-9 PM	3150	0.0	1499	1694	1456	14.94+	390	68.1	8.3	37.8
9-10 PM	2502	0.0	1499	1597	906	16.52+	406	68.9	7.6	32.5
10-11 PM	1886	0.0	1500	1539	347	16.56+	407	69.7	7.6	32.5
11PM-MID	1155	0.0	1499	1155	0	9.35	253	70.2	11.4	35.3

"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	0.0223
MAIN ROUTE WITH WORKS	0.0195
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$57,940
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

