

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE 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	OFF	1306	0	0.00	0	70.2	70.2	70.2	
1-2 AM	755	0.0	OFF	755	0	0.00	0	70.2	70.2	70.2	
2-3 AM	558	0.0	OFF	558	0	0.00	0	70.2	70.2	70.2	
3-4 AM	383	0.0	OFF	383	0	0.00	0	70.2	70.2	70.2	
4-5 AM	389	0.0	OFF	389	0	0.00	0	70.2	70.2	70.2	
5-6 AM	610	0.0	OFF	610	0	0.00	0	70.2	70.2	70.2	
6-7 AM	1048	0.0	OFF	1048	0	0.00	0	70.2	70.2	70.2	
7-8 AM	1353	0.0	OFF	1353	0	0.00	0	70.2	70.2	70.2	
8-9 AM	2017	0.0	OFF	2017	0	0.00	0	69.6	69.6	69.6	
9-10 AM	2743	0.0	1499	2006	738	13.55+	339	68.6	8.6	33.0	
10-11 AM	3577	0.0	1499	1478	2099	16.94+	418	67.6	7.5	32.5	
11AM-NOON	4369	0.0	1499	1500	2869	16.83+	420	62.3	7.5	32.5	
NOON-1PM	4771	0.0	1500	1500	3271	16.73+	420	59.6	7.5	32.5	
1-2 PM	4512	0.0	1500	1500	3012	16.80+	420	61.4	7.5	32.5	
2-3 PM	4327	0.0	1500	1500	2827	16.84+	420	62.6	7.5	32.5	
3-4 PM	4783	0.0	1500	1500	3283	16.72+	420	59.5	7.5	32.5	
4-5 PM	4723	0.0	1500	1500	3223	16.74+	420	59.9	7.5	32.5	
5-6 PM	4433	0.0	1500	1500	2933	16.82+	420	61.9	7.5	32.5	
6-7 PM	3973	0.0	1500	1499	2475	16.92+	420	65.0	7.5	32.5	
7-8 PM	3699	0.0	OFF	3699	0	0.60	50	66.9	50.2	50.2	
8-9 PM	3090	0.0	OFF	3090	0	0.00	0	68.2	68.2	68.2	
9-10 PM	2755	0.0	OFF	2755	0	0.00	0	68.6	68.6	68.6	
10-11 PM	2051	0.0	OFF	2051	0	0.00	0	69.5	69.5	69.5	
11PM-MID	1246	0.0	OFF	1246	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	0.0202
MAIN ROUTE WITH WORKS	0.0107
'DIVERSION'	0.0197
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$194,458
CONGESTED HOURS PER DAY*	10

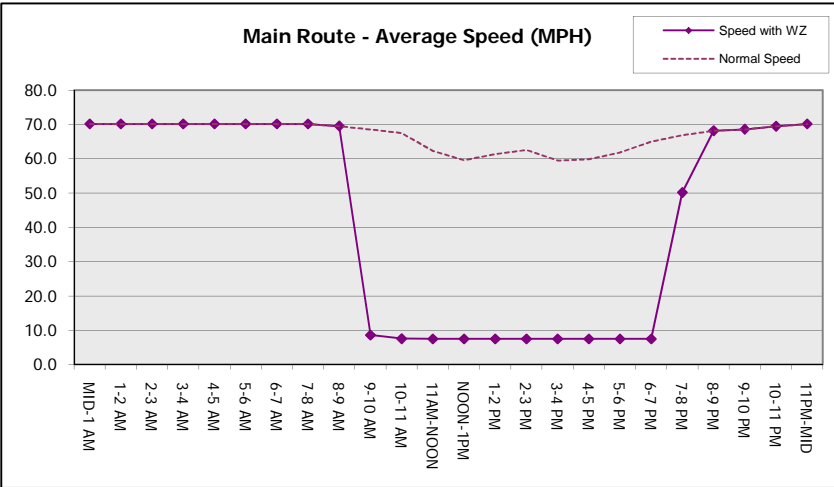
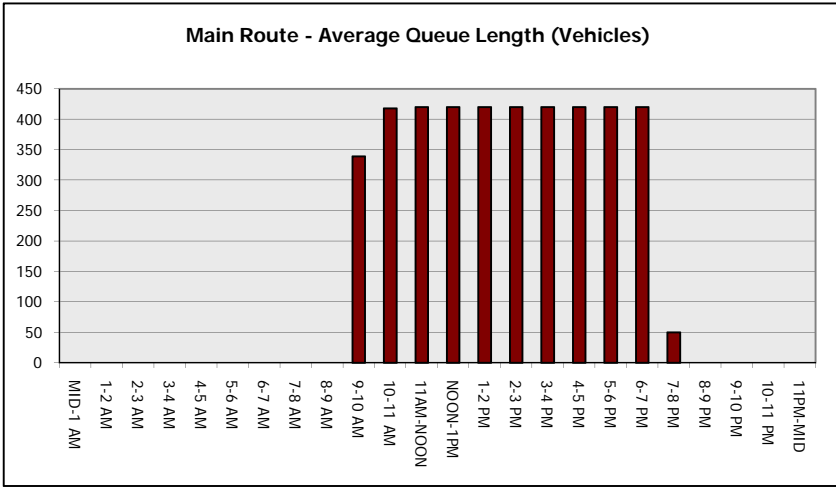
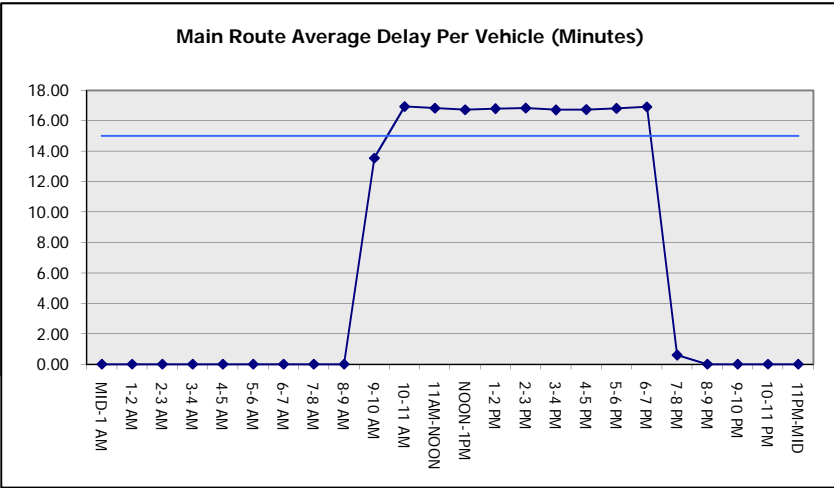
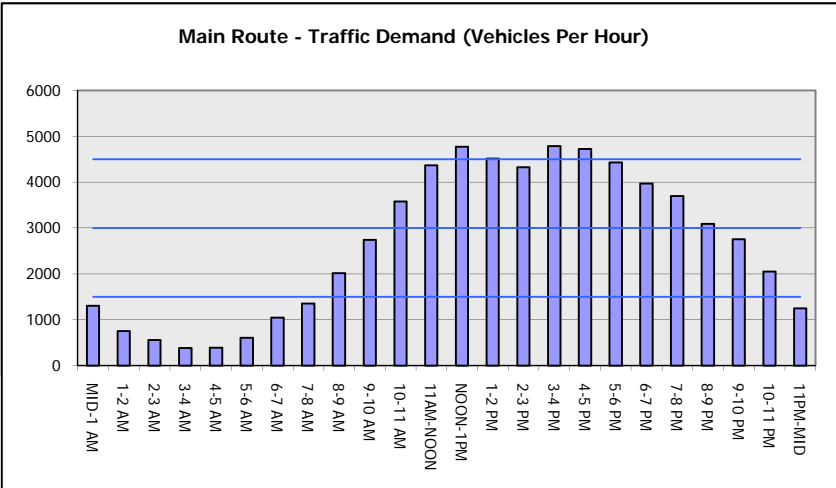
*Delays Exceeding User-Specified Maximum

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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) OFF-PEAK DAY 2 LANE 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	OFF	1171	0	0.00	0	70.2	70.2	70.2
1-2 AM	835	0.0	OFF	835	0	0.00	0	70.2	70.2	70.2
2-3 AM	851	0.0	OFF	851	0	0.00	0	70.2	70.2	70.2
3-4 AM	606	0.0	OFF	606	0	0.00	0	70.2	70.2	70.2
4-5 AM	580	0.0	OFF	580	0	0.00	0	70.2	70.2	70.2
5-6 AM	922	0.0	OFF	922	0	0.00	0	70.2	70.2	70.2
6-7 AM	1264	0.0	OFF	1264	0	0.00	0	70.2	70.2	70.2
7-8 AM	1571	0.0	OFF	1571	0	0.00	0	70.1	70.1	70.1
8-9 AM	2213	0.0	OFF	2213	0	0.00	0	69.3	69.3	69.3
9-10 AM	3276	0.0	1499	1564	1712	16.14+	404	67.9	7.8	38.9
10-11 AM	3984	0.0	1499	1763	2220	15.09+	394	65.0	8.1	37.8
11AM-NOON	4687	0.0	1499	1500	3187	16.64+	420	60.1	7.5	34.5
NOON-1PM	5241	0.0	1500	1500	3741	16.48+	420	56.4	7.5	34.5
1-2 PM	5300	0.0	1500	1500	3800	16.46+	420	56.0	7.5	34.5
2-3 PM	5379	0.0	1500	1500	3879	16.44+	420	55.4	7.5	34.5
3-4 PM	5322	0.0	1500	1500	3822	16.46+	420	55.8	7.5	34.5
4-5 PM	5484	0.0	1500	1500	3984	16.40+	420	54.7	7.5	34.5
5-6 PM	4873	0.0	1500	1500	3373	16.59+	420	58.9	7.5	34.5
6-7 PM	4229	0.0	1500	1500	2729	16.76+	420	63.3	7.5	34.5
7-8 PM	3687	0.0	OFF	3687	0	0.29	23	66.9	57.5	57.5
8-9 PM	3150	0.0	OFF	3150	0	0.00	0	68.1	68.1	68.1
9-10 PM	2502	0.0	OFF	2502	0	0.00	0	68.9	68.9	68.9
10-11 PM	1886	0.0	OFF	1886	0	0.00	0	69.7	69.7	69.7
11PM-MID	1155	0.0	OFF	1155	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	0.0223
MAIN ROUTE WITH WORKS	0.0110
'DIVERSION'	0.0239

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$216,740
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

