

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

FRIDAY 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	1151	0.0	OFF	1151	0	0.00	0	70.2	70.2	70.2	
1-2 AM	684	0.0	OFF	684	0	0.00	0	70.2	70.2	70.2	
2-3 AM	660	0.0	OFF	660	0	0.00	0	70.2	70.2	70.2	
3-4 AM	736	0.0	OFF	736	0	0.00	0	70.2	70.2	70.2	
4-5 AM	1080	0.0	OFF	1080	0	0.00	0	70.2	70.2	70.2	
5-6 AM	2908	0.0	OFF	2908	0	0.00	0	68.4	68.4	68.4	
6-7 AM	5349	0.0	OFF	5349	0	0.00	0	55.6	55.6	55.6	
7-8 AM	6125	0.0	OFF	6125	0	0.00	0	50.3	50.3	50.3	
8-9 AM	5219	0.0	OFF	5219	0	0.00	0	56.5	56.5	56.5	
9-10 AM	4457	0.0	OFF	4457	0	0.00	0	61.7	61.7	61.7	
10-11 AM	4334	0.0	1499	1575	2759	16.98+	431	62.5	7.5	39.0	
11AM-NOON	4842	0.0	1499	2000	2842	15.61+	405	59.1	7.9	36.0	
NOON-1PM	5008	0.0	1499	1476	3532	16.40+	419	57.9	7.6	36.6	
1-2 PM	5221	0.0	1499	1498	3723	16.44+	420	56.5	7.5	35.4	
2-3 PM	5759	0.0	1500	1500	4259	16.27+	420	52.8	7.5	35.3	
3-4 PM	5989	0.0	OFF	5989	0	5.44	543	51.2	15.4	15.4	
4-5 PM	5462	0.0	OFF	5462	0	2.85	269	54.8	23.8	23.8	
5-6 PM	5327	0.0	OFF	5327	0	0.00	0	55.8	55.8	55.8	
6-7 PM	5142	0.0	OFF	5142	0	0.00	0	57.0	57.0	57.0	
7-8 PM	4397	0.0	OFF	4397	0	0.00	0	62.1	62.1	62.1	
8-9 PM	3599	0.0	OFF	3599	0	0.00	0	67.6	67.6	67.6	
9-10 PM	3426	0.0	OFF	3426	0	0.00	0	67.8	67.8	67.8	
10-11 PM	2726	0.0	OFF	2726	0	0.00	0	68.6	68.6	68.6	
11PM-MID	1959	0.0	OFF	1959	0	0.00	0	69.6	69.6	69.6	

"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 (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

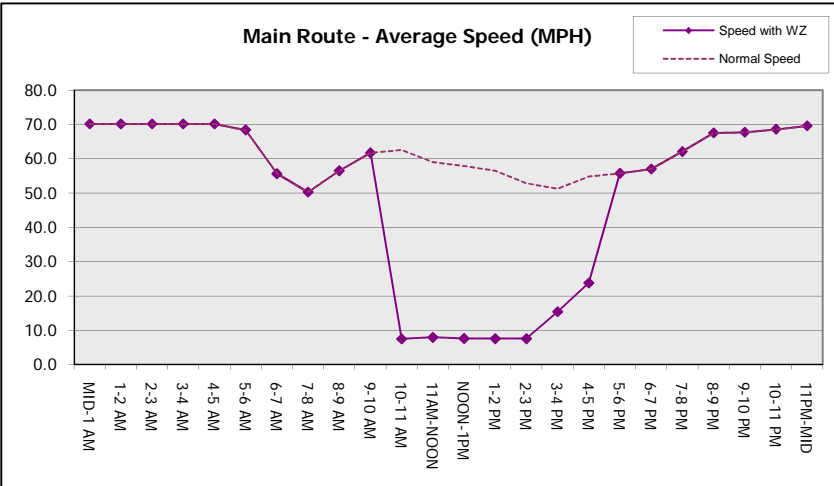
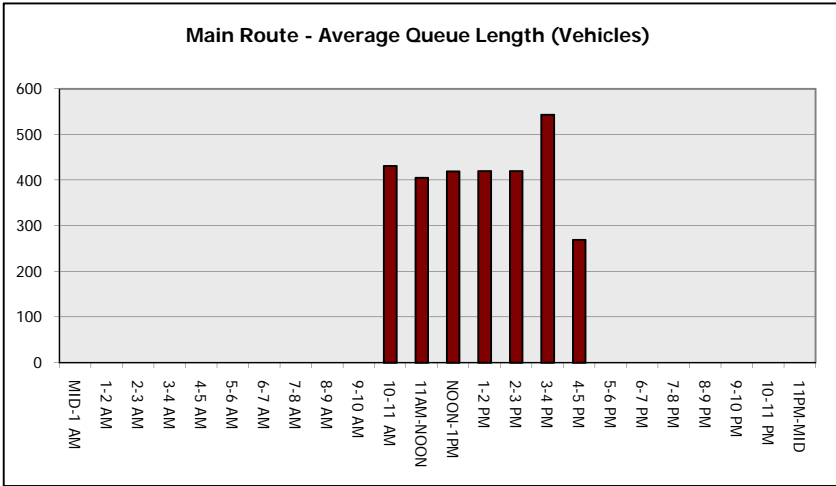
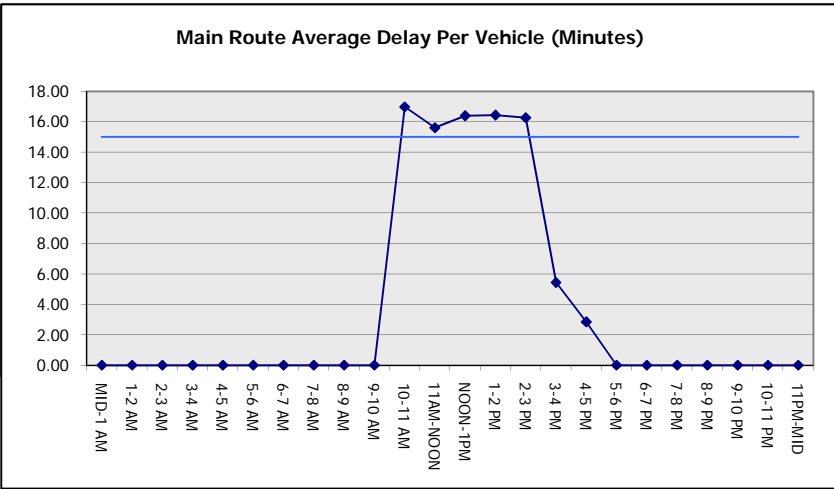
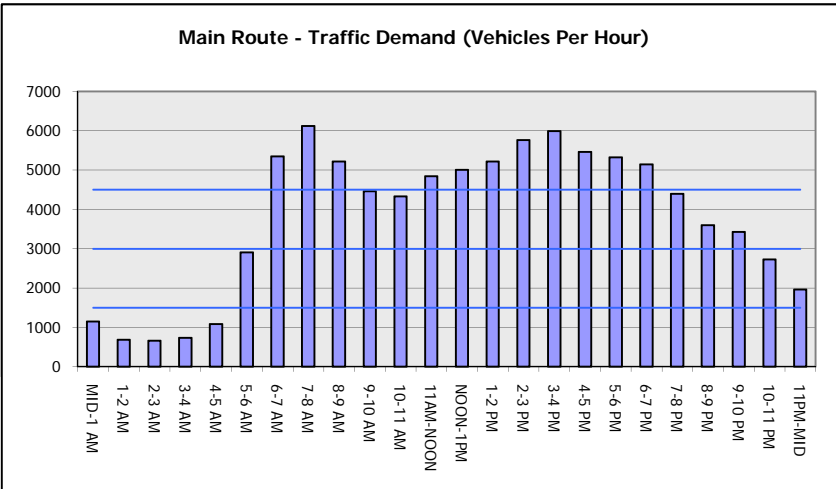
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0292
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0126
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$71,624
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

FRIDAY 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	1039	0.0	OFF	1039	0	0.00	0	70.2	70.2	70.2
1-2 AM	693	0.0	OFF	693	0	0.00	0	70.2	70.2	70.2
2-3 AM	700	0.0	OFF	700	0	0.00	0	70.2	70.2	70.2
3-4 AM	835	0.0	OFF	835	0	0.00	0	70.2	70.2	70.2
4-5 AM	1492	0.0	OFF	1492	0	0.00	0	70.2	70.2	70.2
5-6 AM	3243	0.0	OFF	3243	0	0.00	0	68.0	68.0	68.0
6-7 AM	4851	0.0	OFF	4851	0	0.00	0	59.0	59.0	59.0
7-8 AM	4821	0.0	OFF	4821	0	0.00	0	59.2	59.2	59.2
8-9 AM	4511	0.0	OFF	4511	0	0.00	0	61.4	61.4	61.4
9-10 AM	4170	0.0	OFF	4170	0	0.00	0	63.7	63.7	63.7
10-11 AM	4124	0.0	1499	1574	2550	17.01+	430	64.0	7.5	39.0
11AM-NOON	4648	0.0	1499	1941	2707	15.49+	402	60.4	7.9	36.6
NOON-1PM	5009	0.0	1499	1500	3509	16.63+	420	57.9	7.5	33.0
1-2 PM	5369	0.0	1500	1500	3869	16.52+	420	55.5	7.5	33.0
2-3 PM	5772	0.0	1500	1500	4272	16.38+	420	52.7	7.5	33.0
3-4 PM	6263	0.0	OFF	6263	0	6.38	646	49.4	13.6	13.6
4-5 PM	6725	0.0	OFF	6725	0	11.15	1140	46.2	8.8	8.8
5-6 PM	6368	0.0	OFF	6368	0	16.75	1686	48.7	6.3	6.3
6-7 PM	5063	0.0	OFF	5063	0	14.28	1401	57.6	7.3	7.3
7-8 PM	4021	0.0	OFF	4021	0	2.40	220	64.7	28.2	28.2
8-9 PM	3231	0.0	OFF	3231	0	0.00	0	68.0	68.0	68.0
9-10 PM	3096	0.0	OFF	3096	0	0.00	0	68.2	68.2	68.2
10-11 PM	2895	0.0	OFF	2895	0	0.00	0	68.4	68.4	68.4
11PM-MID	2029	0.0	OFF	2029	0	0.00	0	69.5	69.5	69.5

"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	0.0290
MAIN ROUTE WITH WORKS	0.0231
'DIVERSION'	0.0125

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$111,144
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY EASTBOUND DIRECTION

