

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	1105	0.0	1499	1105	0	8.88+	256	70.2	11.9	36.9	
1-2 AM	659	0.0	1500	659	0	0.46	0	70.2	55.2	46.2	
2-3 AM	580	0.0	1500	580	0	0.44	0	70.2	55.8	46.6	
3-4 AM	650	0.0	1500	650	0	0.45	0	70.2	55.6	46.3	
4-5 AM	1035	0.0	1499	1035	0	0.60	0	70.2	51.9	41.7	
5-6 AM	2809	0.0	OFF	2809	0	0.00	0	68.6	68.6	68.6	
6-7 AM	5504	0.0	OFF	5504	0	0.00	0	54.6	54.6	54.6	
7-8 AM	6274	0.0	OFF	6274	0	0.00	0	49.3	49.3	49.3	
8-9 AM	5233	0.0	OFF	5233	0	0.00	0	56.4	56.4	56.4	
9-10 AM	4472	0.0	OFF	4472	0	0.00	0	61.6	61.6	61.6	
10-11 AM	4579	0.0	OFF	4579	0	0.00	0	60.9	60.9	60.9	
11AM-NOON	4693	0.0	OFF	4693	0	0.00	0	60.1	60.1	60.1	
NOON-1PM	4575	0.0	OFF	4575	0	0.00	0	60.9	60.9	60.9	
1-2 PM	4501	0.0	OFF	4501	0	0.00	0	61.4	61.4	61.4	
2-3 PM	5240	0.0	OFF	5240	0	0.00	0	56.4	56.4	56.4	
3-4 PM	5624	0.0	OFF	5624	0	0.00	0	53.7	53.7	53.7	
4-5 PM	5455	0.0	OFF	5455	0	0.00	0	54.9	54.9	54.9	
5-6 PM	5112	0.0	OFF	5112	0	0.00	0	57.3	57.3	57.3	
6-7 PM	4217	0.0	OFF	4217	0	0.00	0	63.3	63.3	63.3	
7-8 PM	3363	0.0	1499	1573	1790	17.10+	429	67.9	7.5	39.0	
8-9 PM	2804	0.0	1499	1641	1163	14.83+	390	68.6	8.3	38.0	
9-10 PM	2752	0.0	1499	1708	1044	16.12+	398	68.6	7.7	32.5	
10-11 PM	2288	0.0	1500	1499	789	16.73+	412	69.2	7.6	32.5	
11PM-MID	1744	0.0	1500	1499	245	16.73+	411	69.9	7.6	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	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

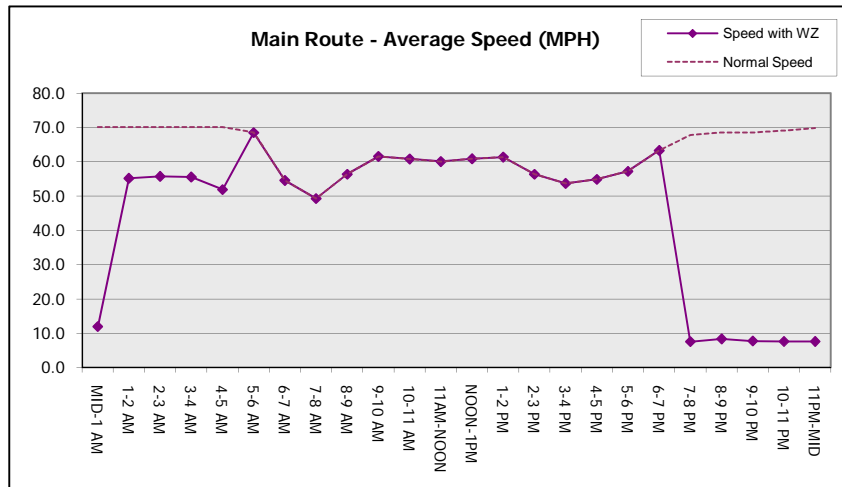
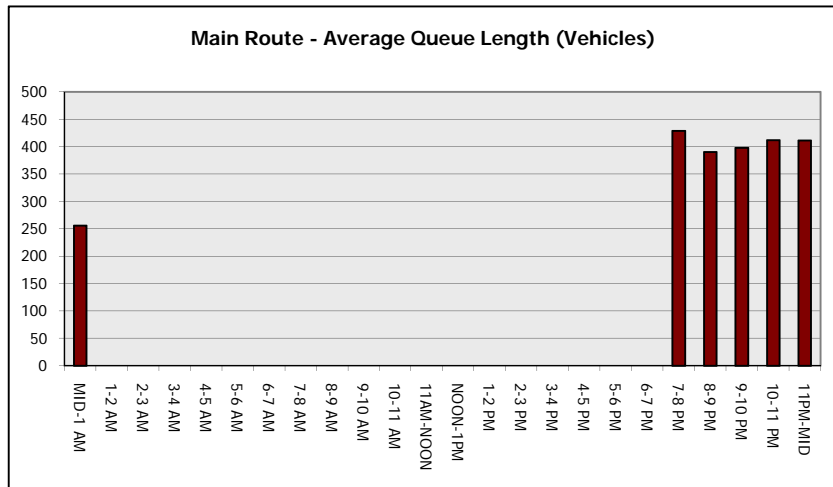
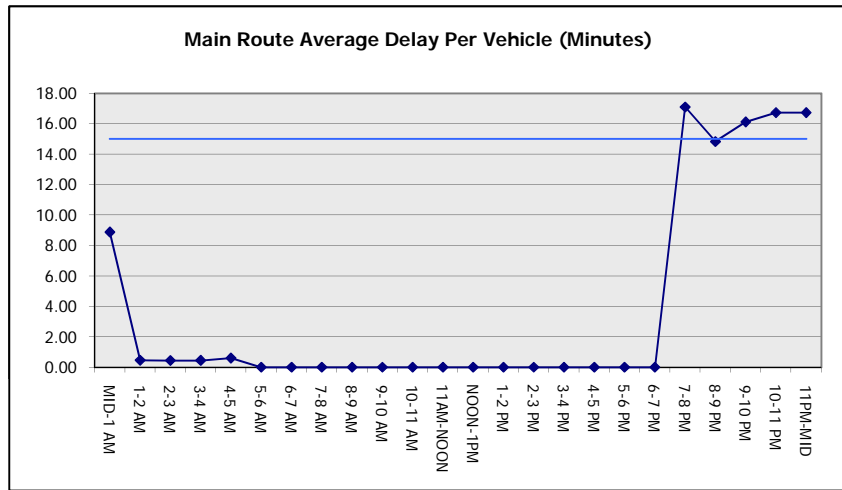
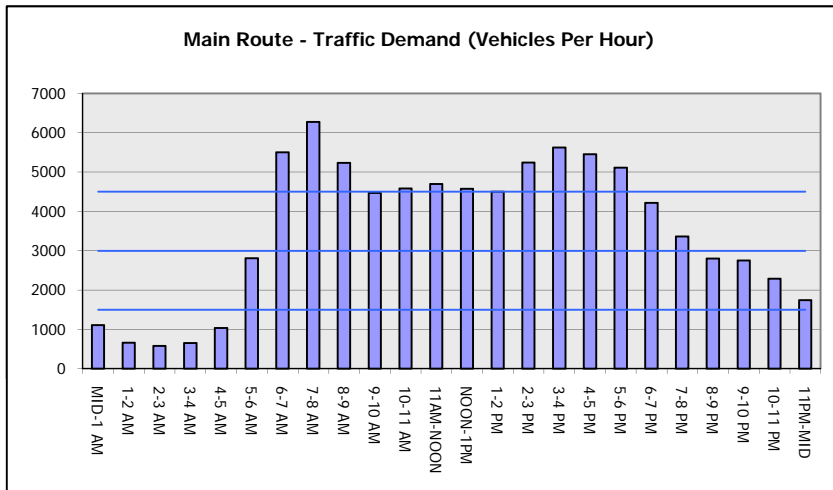
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0271
MAIN ROUTE WITH WORKS	0.0248
'DIVERSION'	0.0037
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,640
CONGESTED HOURS PER DAY*	6

*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	978	0.0	1499	978	0	4.30	193	70.2	20.6	39.2
1-2 AM	645	0.0	1500	645	0	0.45	0	70.2	55.6	46.3
2-3 AM	601	0.0	1500	601	0	0.44	0	70.2	55.7	46.5
3-4 AM	725	0.0	1500	725	0	0.46	0	70.2	55.3	46.0
4-5 AM	1531	0.0	1499	1531	0	1.67	44	70.1	35.5	36.6
5-6 AM	3326	0.0	OFF	3326	0	0.06	5	67.9	65.5	65.5
6-7 AM	4751	0.0	OFF	4751	0	0.00	0	59.7	59.7	59.7
7-8 AM	4880	0.0	OFF	4880	0	0.00	0	58.8	58.8	58.8
8-9 AM	4489	0.0	OFF	4489	0	0.00	0	61.5	61.5	61.5
9-10 AM	4351	0.0	OFF	4351	0	0.00	0	62.4	62.4	62.4
10-11 AM	4097	0.0	OFF	4097	0	0.00	0	64.1	64.1	64.1
11AM-NOON	4341	0.0	OFF	4341	0	0.00	0	62.5	62.5	62.5
NOON-1PM	4661	0.0	OFF	4661	0	0.00	0	60.3	60.3	60.3
1-2 PM	4695	0.0	OFF	4695	0	0.00	0	60.1	60.1	60.1
2-3 PM	5672	0.0	OFF	5672	0	0.00	0	53.4	53.4	53.4
3-4 PM	6189	0.0	OFF	6189	0	0.00	0	49.9	49.9	49.9
4-5 PM	6750	0.0	OFF	6750	0	0.00	0	46.1	46.1	46.1
5-6 PM	6702	0.0	OFF	6702	0	0.00	0	46.4	46.4	46.4
6-7 PM	5136	0.0	OFF	5136	0	0.00	0	57.1	57.1	57.1
7-8 PM	3713	0.0	1499	1574	2139	17.09+	430	66.8	7.5	39.0
8-9 PM	3187	0.0	1499	1699	1488	14.95+	390	68.1	8.3	37.8
9-10 PM	2972	0.0	1499	1537	1434	16.72+	417	68.4	7.6	36.3
10-11 PM	2439	0.0	1500	1527	912	16.78+	415	69.0	7.6	33.7
11PM-MID	1713	0.0	1500	1575	138	16.35+	401	69.9	7.6	32.4

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0282
MAIN ROUTE WITH WORKS	0.0254
'DIVERSION'	0.0045

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$54,146
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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