

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
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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	1302	0.0	1499	1269	33	13.99+	348	70.2	8.4	33.0	
1-2 AM	716	0.0	1500	716	0	0.89	27	70.2	46.1	45.8	
2-3 AM	729	0.0	1500	729	0	0.46	0	70.2	55.3	45.9	
3-4 AM	745	0.0	1500	745	0	0.46	0	70.2	55.3	45.8	
4-5 AM	1098	0.0	1499	1098	0	0.64	0	70.2	51.0	40.6	
5-6 AM	2930	0.0	OFF	2930	0	0.00	0	68.4	68.4	68.4	
6-7 AM	5276	0.0	OFF	5276	0	0.00	0	56.1	56.1	56.1	
7-8 AM	5628	0.0	OFF	5628	0	0.00	0	53.7	53.7	53.7	
8-9 AM	5263	0.0	OFF	5263	0	0.00	0	56.2	56.2	56.2	
9-10 AM	4907	0.0	OFF	4907	0	0.00	0	58.6	58.6	58.6	
10-11 AM	5173	0.0	OFF	5173	0	0.00	0	56.8	56.8	56.8	
11AM-NOON	5288	0.0	OFF	5288	0	0.00	0	56.0	56.0	56.0	
NOON-1PM	5478	0.0	OFF	5478	0	0.00	0	54.7	54.7	54.7	
1-2 PM	5776	0.0	OFF	5776	0	0.00	0	52.7	52.7	52.7	
2-3 PM	6004	0.0	OFF	6004	0	0.00	0	51.2	51.2	51.2	
3-4 PM	6072	0.0	OFF	6072	0	0.00	0	50.7	50.7	50.7	
4-5 PM	5579	0.0	OFF	5579	0	0.00	0	54.0	54.0	54.0	
5-6 PM	5827	0.0	OFF	5827	0	0.00	0	52.4	52.4	52.4	
6-7 PM	5537	0.0	OFF	5537	0	0.00	0	54.3	54.3	54.3	
7-8 PM	4810	0.0	1499	1591	3219	17.30+	443	59.3	7.4	38.9	
8-9 PM	3815	0.0	1499	1870	1945	15.55+	397	66.1	7.9	35.8	
9-10 PM	3377	0.0	1499	1488	1890	16.98+	419	67.8	7.5	32.5	
10-11 PM	2838	0.0	1499	1482	1356	16.86+	415	68.5	7.5	32.5	
11PM-MID	2163	0.0	1499	1499	664	16.73+	411	69.4	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 (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

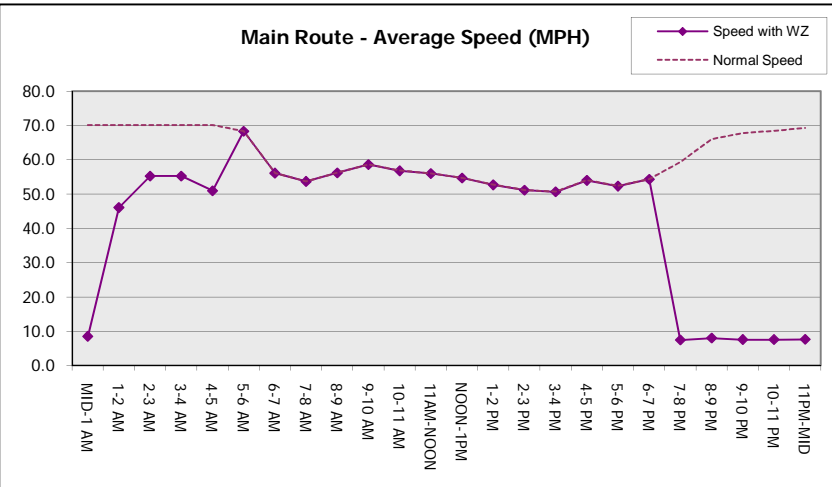
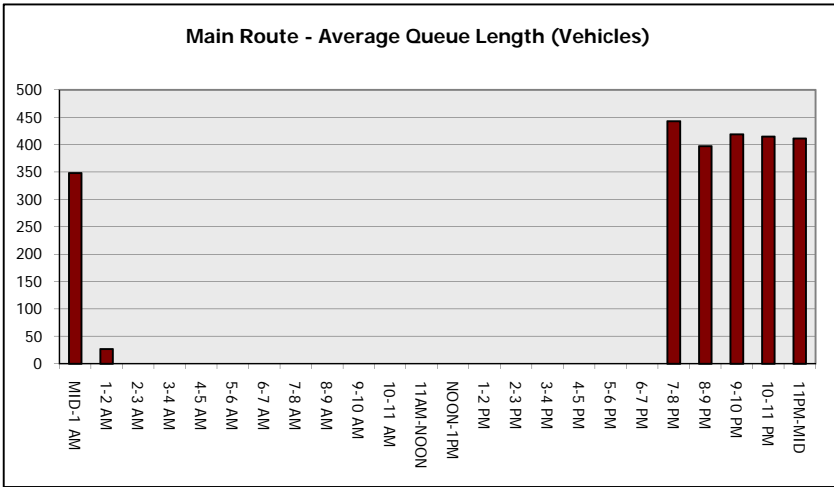
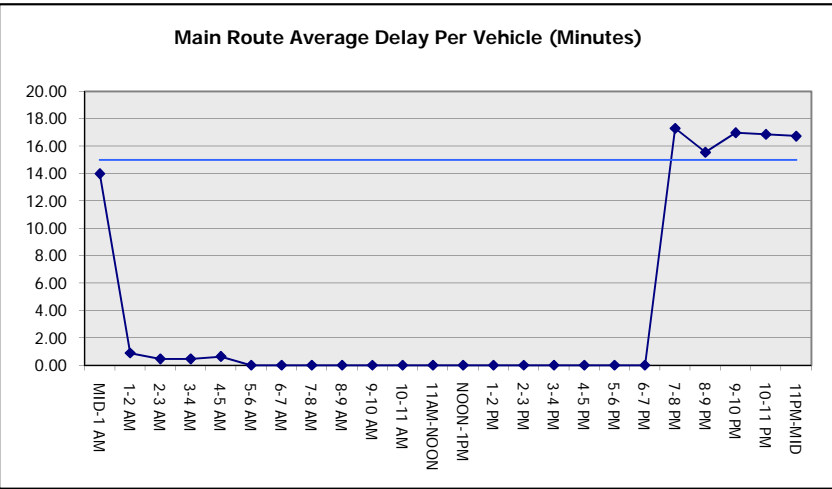
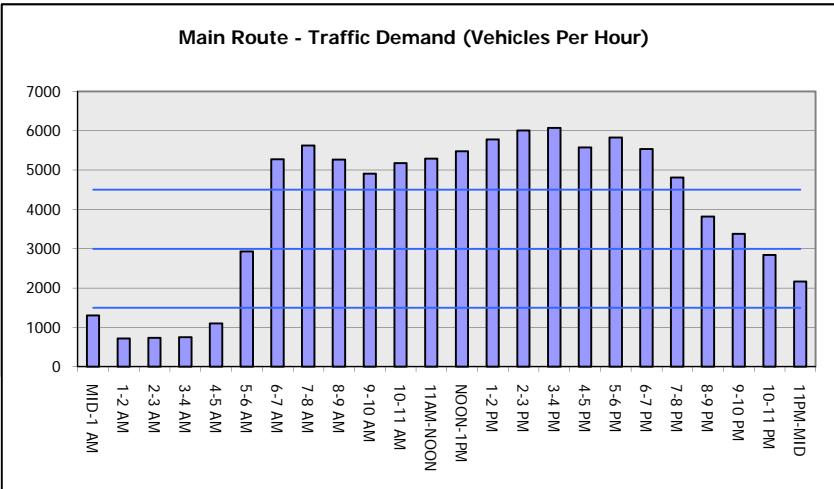
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0307
MAIN ROUTE WITH WORKS	0.0269
'DIVERSION'	0.0067
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$71,543
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	1063	0.0	1500	1063	0	5.89	221	70.2	16.4	38.6	
1-2 AM	737	0.0	1500	737	0	0.46	0	70.2	55.3	45.9	
2-3 AM	760	0.0	1500	760	0	0.46	0	70.2	55.2	45.8	
3-4 AM	802	0.0	1500	802	0	0.47	0	70.2	55.1	45.6	
4-5 AM	1532	0.0	1499	1532	0	1.67	42	70.1	35.5	36.3	
5-6 AM	3247	0.0	OFF	3247	0	0.06	5	68.0	65.9	65.9	
6-7 AM	4398	0.0	OFF	4398	0	0.00	0	62.1	62.1	62.1	
7-8 AM	4197	0.0	OFF	4197	0	0.00	0	63.5	63.5	63.5	
8-9 AM	4394	0.0	OFF	4394	0	0.00	0	62.2	62.2	62.2	
9-10 AM	4498	0.0	OFF	4498	0	0.00	0	61.4	61.4	61.4	
10-11 AM	4526	0.0	OFF	4526	0	0.00	0	61.2	61.2	61.2	
11AM-NOON	4820	0.0	OFF	4820	0	0.00	0	59.2	59.2	59.2	
NOON-1PM	5312	0.0	OFF	5312	0	0.00	0	55.9	55.9	55.9	
1-2 PM	5572	0.0	OFF	5572	0	0.00	0	54.1	54.1	54.1	
2-3 PM	6042	0.0	OFF	6042	0	0.00	0	50.9	50.9	50.9	
3-4 PM	6499	0.0	OFF	6499	0	0.00	0	47.8	47.8	47.8	
4-5 PM	6547	0.0	OFF	6547	0	0.00	0	47.4	47.4	47.4	
5-6 PM	6630	0.0	OFF	6630	0	0.00	0	46.9	46.9	46.9	
6-7 PM	5167	0.0	OFF	5167	0	0.00	0	56.9	56.9	56.9	
7-8 PM	4084	0.0	1499	1575	2508	17.05+	431	64.3	7.5	39.0	
8-9 PM	3474	0.0	1499	1751	1723	15.07+	390	67.8	8.2	37.6	
9-10 PM	3474	0.0	1499	1526	1949	16.88+	417	67.8	7.5	32.9	
10-11 PM	3457	0.0	1500	1516	1941	16.95+	418	67.8	7.5	32.5	
11PM-MID	2502	0.0	1500	1514	988	16.79+	413	68.9	7.5	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	0.0298
MAIN ROUTE WITH WORKS	0.0261
'DIVERSION'	0.0067

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$68,524
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

