

IH 94: CTH Y/LAYTON AVE TO CTH ZZ/COLLEGE AVE (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1387	0.0	3000	1387	0	0.36	0	70.2	58.0	49.7
1-2 AM	875	0.0	3000	875	0	0.36	0	70.2	58.0	49.7
2-3 AM	706	0.0	3000	706	0	0.36	0	70.2	58.0	49.7
3-4 AM	649	0.0	3000	649	0	0.36	0	70.2	58.0	49.7
4-5 AM	685	0.0	3000	685	0	0.36	0	70.2	58.0	49.7
5-6 AM	1337	0.0	3000	1337	0	0.36	0	70.2	58.0	49.7
6-7 AM	2059	0.0	3000	2059	0	0.35	0	69.5	57.8	49.7
7-8 AM	2616	0.0	2999	2616	0	0.50	0	68.8	53.4	44.1
8-9 AM	3725	0.0	OFF	3725	0	0.00	0	66.7	66.7	66.7
9-10 AM	4361	0.0	OFF	4361	0	0.00	0	62.3	62.3	62.3
10-11 AM	4888	0.0	OFF	4888	0	0.00	0	58.7	58.7	58.7
11AM-NOON	5072	0.0	OFF	5072	0	0.00	0	57.5	57.5	57.5
NOON-1PM	5301	0.0	OFF	5301	0	0.00	0	56.0	56.0	56.0
1-2 PM	5395	0.0	OFF	5395	0	0.00	0	55.3	55.3	55.3
2-3 PM	5250	0.0	OFF	5250	0	0.00	0	56.3	56.3	56.3
3-4 PM	5143	0.0	OFF	5143	0	0.00	0	57.0	57.0	57.0
4-5 PM	4974	0.0	OFF	4974	0	0.00	0	58.2	58.2	58.2
5-6 PM	4732	0.0	OFF	4732	0	0.00	0	59.8	59.8	59.8
6-7 PM	4016	0.0	2999	4016	0	9.39+	541	64.7	13.4	36.9
7-8 PM	3645	0.0	2999	2910	735	17.01+	896	67.3	10.1	36.9
8-9 PM	3126	0.0	2999	2956	170	16.75+	879	68.1	10.2	36.9
9-10 PM	2885	0.0	2999	2885	0	16.14+	846	68.4	10.3	36.9
10-11 PM	2444	0.0	2999	2444	0	9.70	519	69.0	13.0	38.6
11PM-MID	1913	0.0	3000	1913	0	0.59	23	69.7	52.0	49.7

"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

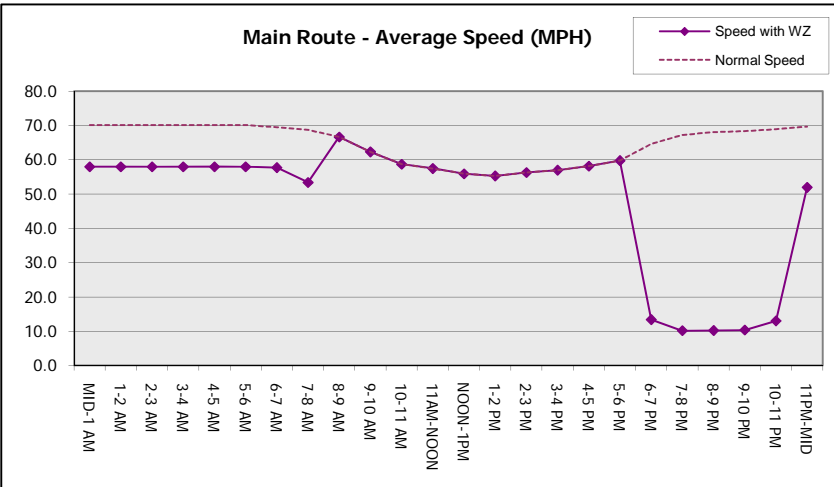
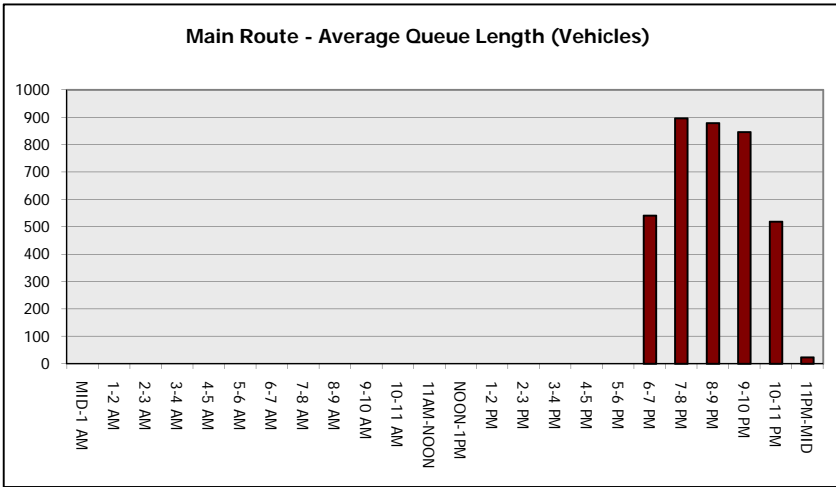
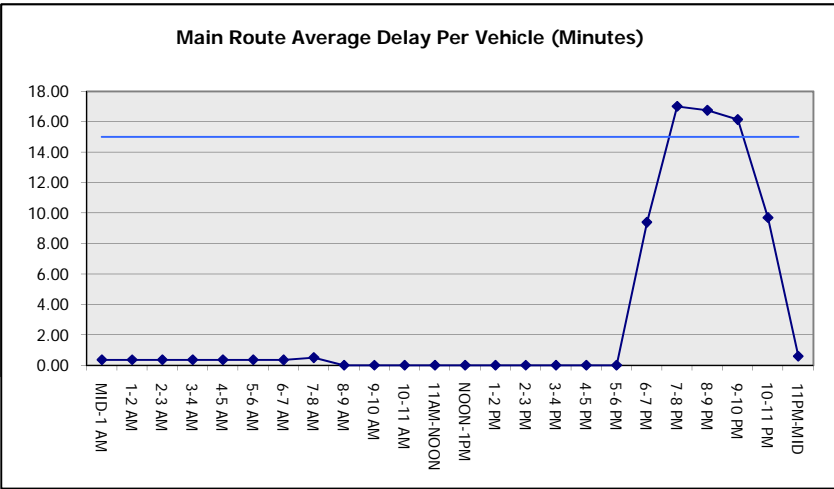
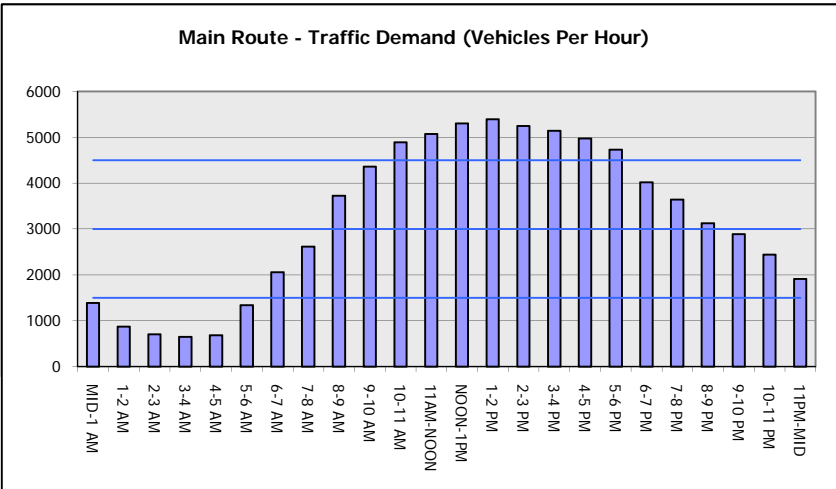
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0246
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0007
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,766
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1500	0.0	3000	1500	0	0.36	0	70.2	58.0	49.7
1-2 AM	930	0.0	3000	930	0	0.36	0	70.2	58.0	49.7
2-3 AM	895	0.0	3000	895	0	0.36	0	70.2	58.0	49.7
3-4 AM	766	0.0	3000	766	0	0.36	0	70.2	58.0	49.7
4-5 AM	1052	0.0	3000	1052	0	0.36	0	70.2	58.0	49.7
5-6 AM	1763	0.0	3000	1763	0	0.36	0	69.9	57.9	49.7
6-7 AM	1891	0.0	3000	1891	0	0.35	0	69.7	57.8	49.7
7-8 AM	2245	0.0	2999	2245	0	0.36	0	69.2	57.4	49.2
8-9 AM	3112	0.0	OFF	3112	0	0.00	0	68.2	68.2	68.2
9-10 AM	3937	0.0	OFF	3937	0	0.00	0	65.3	65.3	65.3
10-11 AM	4476	0.0	OFF	4476	0	0.00	0	61.6	61.6	61.6
11AM-NOON	4970	0.0	OFF	4970	0	0.00	0	58.2	58.2	58.2
NOON-1PM	5207	0.0	OFF	5207	0	0.00	0	56.6	56.6	56.6
1-2 PM	4996	0.0	OFF	4996	0	0.00	0	58.0	58.0	58.0
2-3 PM	5292	0.0	OFF	5292	0	0.00	0	56.0	56.0	56.0
3-4 PM	5121	0.0	OFF	5121	0	0.00	0	57.2	57.2	57.2
4-5 PM	4861	0.0	OFF	4861	0	0.00	0	58.9	58.9	58.9
5-6 PM	4444	0.0	OFF	4444	0	0.00	0	61.8	61.8	61.8
6-7 PM	3856	0.0	2999	3856	0	8.11+	460	65.8	14.3	36.9
7-8 PM	3422	0.0	2999	3014	408	16.84+	885	67.8	10.1	36.9
8-9 PM	3273	0.0	3000	3007	267	16.82+	883	68.0	10.1	36.9
9-10 PM	3420	0.0	3000	3004	415	16.84+	885	67.8	10.1	36.9
10-11 PM	2713	0.0	2999	2713	0	14.90+	780	68.7	10.6	36.9
11PM-MID	2041	0.0	2999	2041	0	2.19	212	69.5	32.0	46.0

"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	0.0243
MAIN ROUTE WITH WORKS	0.0220
'DIVERSION'	0.0008

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$67,972
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

