

<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	1041	0.0	1500	1041	0	0.25	0	70.2	54.2	44.6	
1-2 AM	588	0.0	1500	588	0	0.22	0	70.2	55.6	46.5	
2-3 AM	402	0.0	1500	402	0	0.21	0	70.2	56.2	47.4	
3-4 AM	292	0.0	1500	292	0	0.21	0	70.2	56.6	47.9	
4-5 AM	321	0.0	1500	321	0	0.21	0	70.2	56.4	47.8	
5-6 AM	512	0.0	1500	512	0	0.22	0	70.2	55.8	46.9	
6-7 AM	810	0.0	1500	810	0	0.24	0	70.2	54.9	45.6	
7-8 AM	1000	0.0	1499	1000	0	0.25	0	70.2	54.3	44.8	
8-9 AM	1500	0.0	1499	1500	0	0.89	18	70.2	34.3	34.4	
9-10 AM	2217	0.0	OFF	2217	0	0.01	0	69.3	68.6	68.6	
10-11 AM	2880	0.0	OFF	2880	0	0.00	0	68.4	68.4	68.4	
11AM-NOON	3093	0.0	OFF	3093	0	0.00	0	68.2	68.2	68.2	
NOON-1PM	3356	0.0	OFF	3356	0	0.00	0	67.9	67.9	67.9	
1-2 PM	3441	0.0	OFF	3441	0	0.00	0	67.8	67.8	67.8	
2-3 PM	3439	0.0	OFF	3439	0	0.00	0	67.8	67.8	67.8	
3-4 PM	3513	0.0	OFF	3513	0	0.00	0	67.7	67.7	67.7	
4-5 PM	3545	0.0	OFF	3545	0	0.00	0	67.6	67.6	67.6	
5-6 PM	3154	0.0	OFF	3154	0	0.00	0	68.1	68.1	68.1	
6-7 PM	3092	0.0	OFF	3092	0	0.00	0	68.2	68.2	68.2	
7-8 PM	2745	0.0	1499	1766	980	14.51+	373	68.6	5.8	37.6	
8-9 PM	2365	0.0	1499	1645	720	16.06+	408	69.1	5.5	32.5	
9-10 PM	2135	0.0	1500	1501	634	16.57+	420	69.4	5.5	32.5	
10-11 PM	1607	0.0	1500	1487	120	16.28+	412	70.0	5.5	32.5	
11PM-MID	1056	0.0	1499	1056	0	4.37	196	70.2	13.5	38.3	

"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

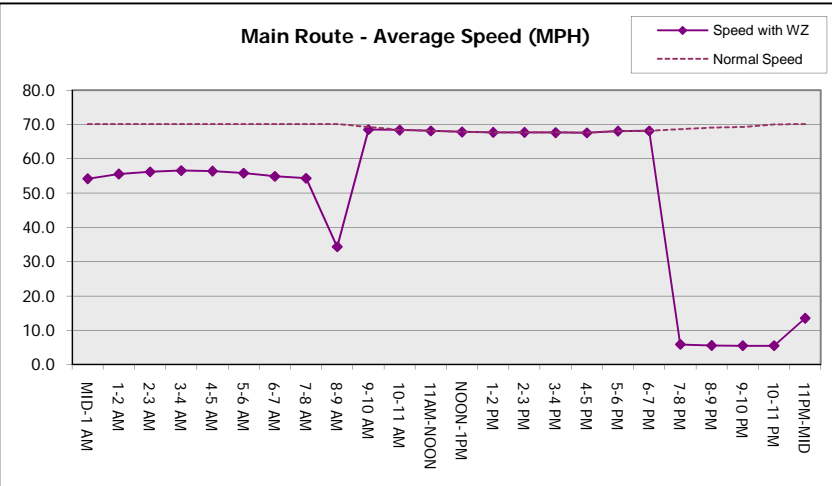
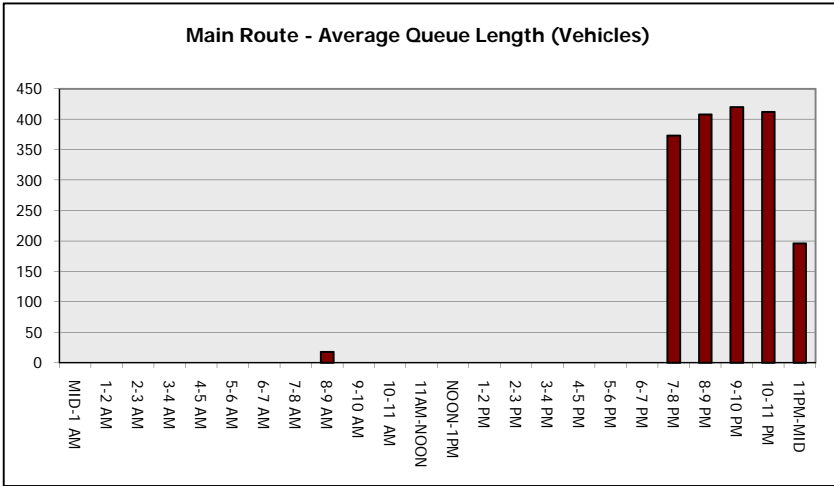
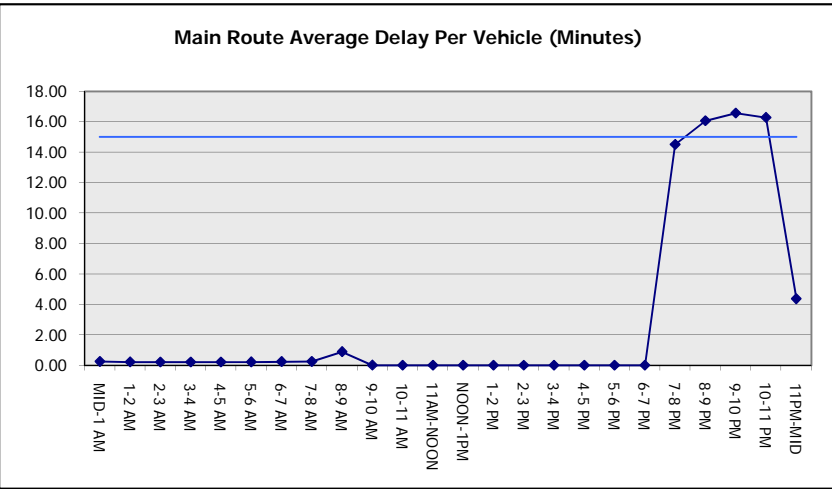
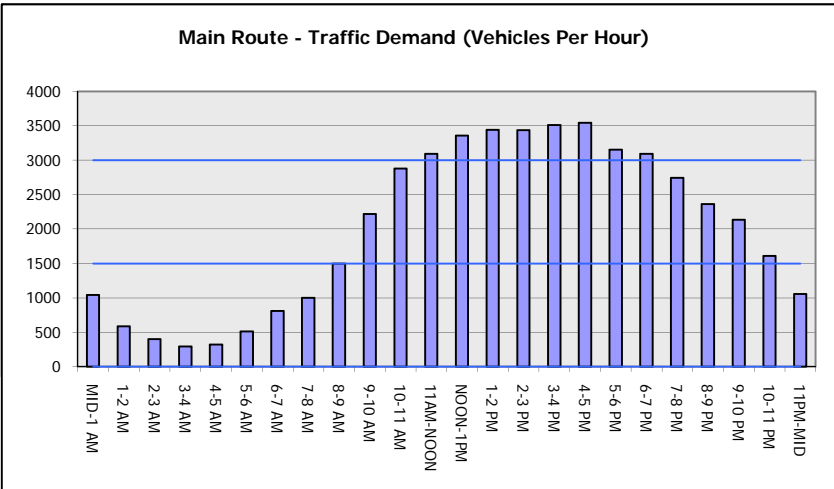
MAIN ROUTE WITHOUT WORKS	0.0077
MAIN ROUTE WITH WORKS	0.0058
'DIVERSION'	0.0009
<small>PIA: Personal Injury Accidents</small>	
<b>IMPACTS ON ROAD USERS</b>	
ROAD USER COSTS PER DAY	\$38,896
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
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	1307	0.0	1500	1307	0	0.38	0	70.2	48.4	37.5
1-2 AM	852	0.0	1500	852	0	0.24	0	70.2	54.8	45.4
2-3 AM	672	0.0	1500	672	0	0.23	0	70.2	55.3	46.1
3-4 AM	458	0.0	1500	458	0	0.22	0	70.2	56.0	47.1
4-5 AM	519	0.0	1500	519	0	0.22	0	70.2	55.8	46.8
5-6 AM	801	0.0	1500	801	0	0.24	0	70.2	55.0	45.6
6-7 AM	973	0.0	1500	973	0	0.25	0	70.2	54.4	44.9
7-8 AM	1194	0.0	1499	1194	0	0.31	0	70.2	51.5	41.3
8-9 AM	1705	0.0	1499	1705	0	1.73	59	69.9	23.2	32.5
9-10 AM	2560	0.0	OFF	2560	0	0.06	6	68.9	64.1	64.1
10-11 AM	3096	0.0	OFF	3096	0	0.00	0	68.2	68.2	68.2
11AM-NOON	3620	0.0	OFF	3620	0	0.00	0	67.4	67.4	67.4
NOON-1PM	4159	0.0	OFF	4159	0	0.00	0	63.8	63.8	63.8
1-2 PM	4314	0.0	OFF	4314	0	0.00	0	62.7	62.7	62.7
2-3 PM	4482	0.0	OFF	4482	0	0.00	0	61.5	61.5	61.5
3-4 PM	4432	0.0	OFF	4432	0	0.00	0	61.9	61.9	61.9
4-5 PM	4297	0.0	OFF	4297	0	0.00	0	62.8	62.8	62.8
5-6 PM	3956	0.0	OFF	3956	0	0.00	0	65.1	65.1	65.1
6-7 PM	3632	0.0	OFF	3632	0	0.00	0	67.4	67.4	67.4
7-8 PM	2917	0.0	1499	1594	1323	16.08+	412	68.4	5.5	38.8
8-9 PM	2540	0.0	1499	1672	867	14.89+	394	68.9	5.8	37.3
9-10 PM	2165	0.0	1499	1667	498	15.95+	405	69.4	5.5	32.5
10-11 PM	1522	0.0	1500	1441	82	16.23+	411	70.2	5.5	32.5
11PM-MID	1047	0.0	1499	1047	0	2.95	160	70.2	17.6	39.4

"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	0.0091
MAIN ROUTE WITH WORKS	0.0069
'DIVERSION'	0.0010

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,368
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH ZZ/COLLEGE AVE TO CTH BB/RAWSON AVE (MILWAUKEE COUNTY)**  
**NIGHTTIME 2 LANE CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY EASTBOUND DIRECTION**

