

IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	716	0.0	3000	716	0	0.36	0	70.2	61.5	49.7
1-2 AM	427	0.0	3000	427	0	0.36	0	70.2	61.5	49.7
2-3 AM	375	0.0	3000	375	0	0.36	0	70.2	61.5	49.7
3-4 AM	425	0.0	3000	425	0	0.36	0	70.2	61.5	49.7
4-5 AM	672	0.0	3000	672	0	0.36	0	70.2	61.5	49.7
5-6 AM	1826	0.0	2999	1826	0	0.35	0	69.7	61.4	49.7
6-7 AM	3577	0.0	2999	3577	0	3.73	218	67.6	28.1	36.9
7-8 AM	4078	0.0	2999	3300	777	15.48+	823	64.3	11.7	36.9
8-9 AM	3402	0.0	2999	2991	411	16.17+	848	67.8	11.6	36.9
9-10 AM	2907	0.0	2999	2875	33	15.45+	808	68.4	11.8	36.9
10-11 AM	2974	0.0	3000	2974	0	13.97+	726	68.4	12.4	36.9
11AM-NOON	3045	0.0	3000	3045	0	14.22+	740	68.2	12.2	36.9
NOON-1PM	2969	0.0	2999	2969	0	14.42+	751	68.4	12.2	36.9
1-2 PM	2918	0.0	2999	2918	0	13.07	677	68.4	12.7	36.9
2-3 PM	3406	0.0	3000	3164	243	15.03+	788	67.8	12.0	36.9
3-4 PM	3658	0.0	3000	3011	647	16.16+	849	67.2	11.6	36.9
4-5 PM	3545	0.0	3000	3007	538	16.17+	849	67.6	11.6	36.9
5-6 PM	3323	0.0	3000	3005	318	16.16+	848	67.9	11.6	36.9
6-7 PM	2744	0.0	2999	2744	0	14.25+	744	68.6	12.3	36.9
7-8 PM	2182	0.0	2999	2182	0	2.82	231	69.3	33.3	45.0
8-9 PM	1822	0.0	3000	1822	0	0.35	0	69.8	61.4	49.7
9-10 PM	1785	0.0	3000	1785	0	0.35	0	69.8	61.4	49.7
10-11 PM	1485	0.0	3000	1485	0	0.36	0	70.2	61.5	49.7
11PM-MID	1133	0.0	3000	1133	0	0.36	0	70.2	61.5	49.7

+ 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

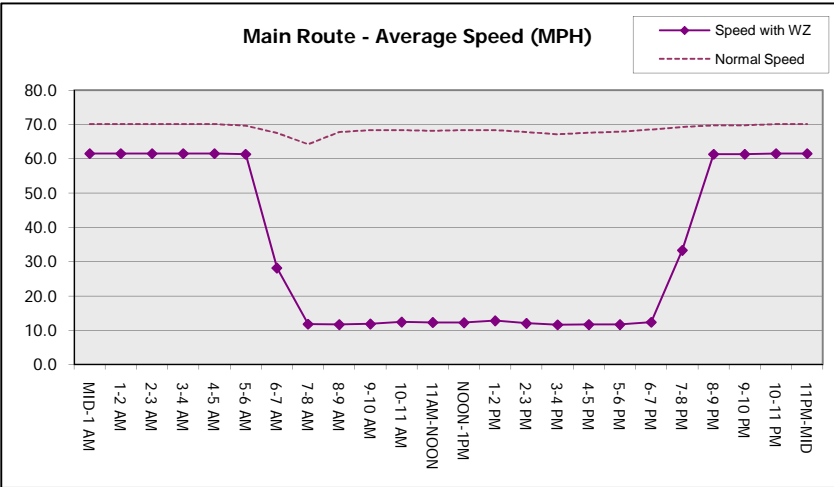
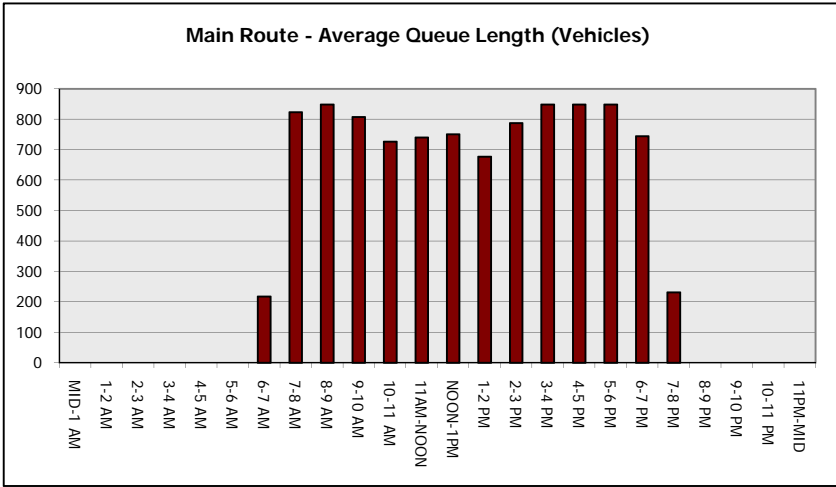
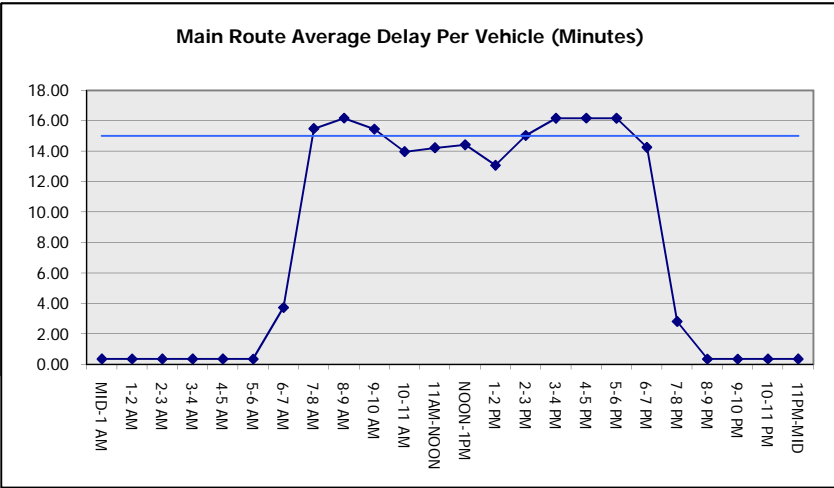
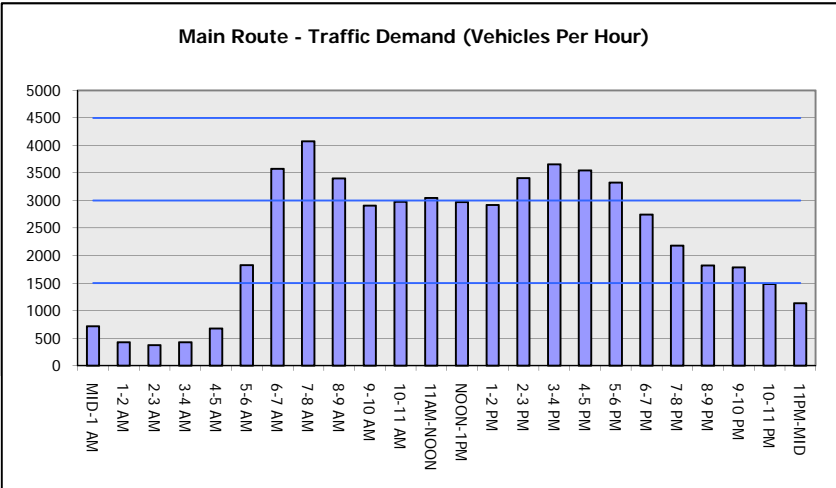
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0265
MAIN ROUTE WITH WORKS	0.0216
'DIVERSION'	0.0033
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$135,067
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

IH 94: CTH BB/RAWSON AVE TO STH 100/RYAN RD (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

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	638	0.0	3000	638	0	0.36	0	70.2	61.5	49.7
1-2 AM	420	0.0	3000	420	0	0.36	0	70.2	61.5	49.7
2-3 AM	391	0.0	3000	391	0	0.36	0	70.2	61.5	49.7
3-4 AM	471	0.0	3000	471	0	0.36	0	70.2	61.5	49.7
4-5 AM	994	0.0	3000	994	0	0.36	0	70.2	61.5	49.7
5-6 AM	2160	0.0	2999	2160	0	0.37	0	69.4	60.7	48.9
6-7 AM	3087	0.0	2999	3087	0	1.17	26	68.2	47.3	37.2
7-8 AM	3172	0.0	2999	3172	0	4.26	197	68.1	26.1	36.9
8-9 AM	2918	0.0	2999	2918	0	5.26	248	68.4	22.8	36.9
9-10 AM	2829	0.0	2999	2829	0	2.78	119	68.5	33.3	37.5
10-11 AM	2662	0.0	3000	2662	0	0.56	0	68.7	56.6	42.7
11AM-NOON	2822	0.0	2999	2822	0	0.65	0	68.6	55.0	39.7
NOON-1PM	3029	0.0	2999	3029	0	0.89	7	68.2	51.0	36.9
1-2 PM	3049	0.0	2999	3049	0	1.34	32	68.2	45.3	36.9
2-3 PM	3687	0.0	3000	3687	0	6.85	391	66.9	19.3	36.9
3-4 PM	4024	0.0	2999	3077	947	16.19+	858	64.6	11.6	36.9
4-5 PM	4387	0.0	3000	3030	1358	16.22+	868	62.2	11.5	36.9
5-6 PM	4356	0.0	3000	2989	1366	16.24+	868	62.4	11.5	36.9
6-7 PM	3335	0.0	3000	2993	342	16.16+	847	67.9	11.6	36.9
7-8 PM	2413	0.0	2999	2413	0	11.10+	600	69.1	14.2	38.5
8-9 PM	2071	0.0	3000	2071	0	0.80	41	69.5	53.0	49.6
9-10 PM	1929	0.0	3000	1929	0	0.35	0	69.6	61.3	49.7
10-11 PM	1583	0.0	3000	1583	0	0.36	0	70.0	61.5	49.7
11PM-MID	1110	0.0	3000	1110	0	0.36	0	70.2	61.5	49.7

+ 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	0.0275
MAIN ROUTE WITH WORKS	0.0220
'DIVERSION'	0.0044

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$81,269
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

**IH 94: CTH BB/RAWSON AVE TO STH 100/RYAN RD (MILWAUKEE COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR EASTBOUND DIRECTION

