

<b>IH 94: CTH BB/RAWSON AVE TO STH 100/Ryan RD (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	914	0.0	1500	914	0	0.48	0	70.2	59.1	45.1	
1-2 AM	516	0.0	1500	516	0	0.43	0	70.2	60.1	46.8	
2-3 AM	353	0.0	1500	353	0	0.41	0	70.2	60.4	47.6	
3-4 AM	256	0.0	1500	256	0	0.40	0	70.2	60.7	48.0	
4-5 AM	282	0.0	1500	282	0	0.40	0	70.2	60.6	47.9	
5-6 AM	449	0.0	1500	449	0	0.43	0	70.2	60.2	47.1	
6-7 AM	711	0.0	1500	711	0	0.46	0	70.2	59.6	46.0	
7-8 AM	877	0.0	1500	877	0	0.48	0	70.2	59.1	45.3	
8-9 AM	1317	0.0	1499	1317	0	0.76	0	70.2	54.1	37.7	
9-10 AM	1947	0.0	OFF	1947	0	0.00	0	69.6	69.6	69.6	
10-11 AM	2528	0.0	OFF	2528	0	0.00	0	68.9	68.9	68.9	
11AM-NOON	2717	0.0	OFF	2717	0	0.00	0	68.7	68.7	68.7	
NOON-1PM	2946	0.0	OFF	2946	0	0.00	0	68.4	68.4	68.4	
1-2 PM	3021	0.0	OFF	3021	0	0.00	0	68.3	68.3	68.3	
2-3 PM	3020	0.0	OFF	3020	0	0.00	0	68.3	68.3	68.3	
3-4 PM	3085	0.0	OFF	3085	0	0.00	0	68.2	68.2	68.2	
4-5 PM	3113	0.0	OFF	3113	0	0.00	0	68.2	68.2	68.2	
5-6 PM	2770	0.0	OFF	2770	0	0.00	0	68.6	68.6	68.6	
6-7 PM	2715	0.0	OFF	2715	0	0.00	0	68.7	68.7	68.7	
7-8 PM	2410	0.0	1499	1946	464	12.69+	319	69.1	11.8	33.1	
8-9 PM	2076	0.0	1499	1500	576	16.28+	399	69.4	9.6	32.5	
9-10 PM	1875	0.0	1500	1466	408	16.15+	396	69.7	9.6	32.5	
10-11 PM	1410	0.0	1499	1377	33	15.02+	368	70.2	10.2	32.5	
11PM-MID	928	0.0	1499	928	0	2.03	82	70.2	39.2	42.9	

"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	0.0202
MAIN ROUTE WITH WORKS	0.0186
'DIVERSION'	0.0016
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$31,410
CONGESTED HOURS PER DAY*	4

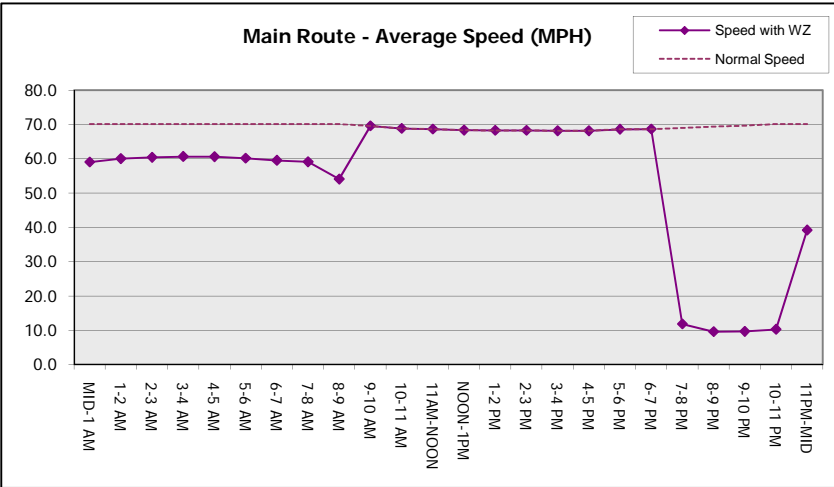
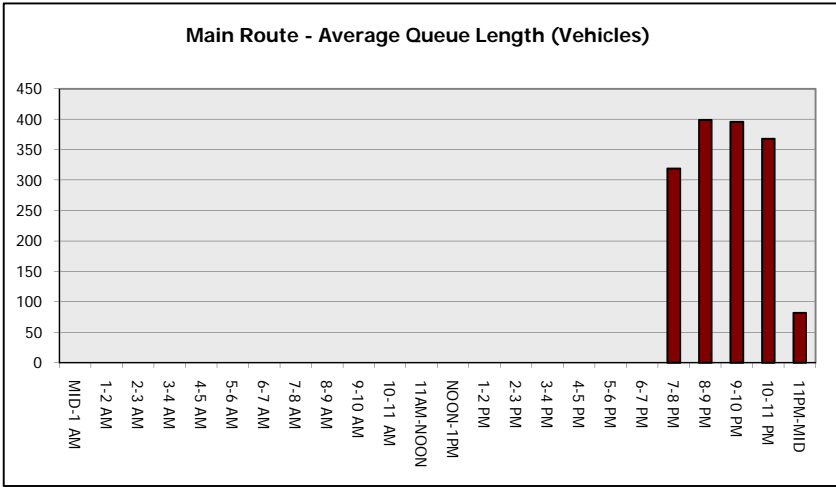
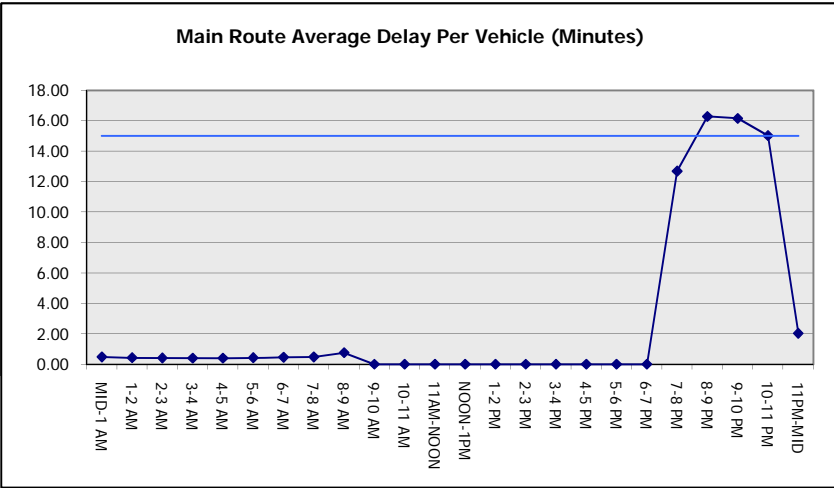
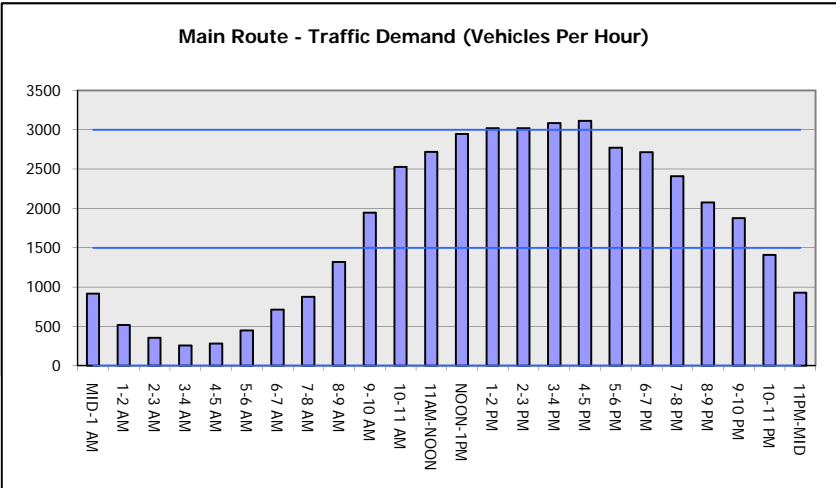
\*Delays Exceeding User-Specified Maximum

**IH 94: CTH BB/RAWSON AVE TO STH 100/RYAN RD (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 BB/RAWSON AVE TO STH 100/Ryan RD (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 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	1148	0.0	1500	1148	0	0.55	0	70.2	57.8	43.1
1-2 AM	748	0.0	1500	748	0	0.46	0	70.2	59.4	45.8
2-3 AM	590	0.0	1500	590	0	0.44	0	70.2	59.9	46.5
3-4 AM	403	0.0	1500	403	0	0.42	0	70.2	60.3	47.4
4-5 AM	455	0.0	1500	455	0	0.43	0	70.2	60.2	47.1
5-6 AM	703	0.0	1500	703	0	0.46	0	70.2	59.6	46.0
6-7 AM	854	0.0	1500	854	0	0.48	0	70.2	59.2	45.4
7-8 AM	1048	0.0	1499	1048	0	0.51	0	70.2	58.6	44.4
8-9 AM	1497	0.0	1499	1497	0	1.46	18	70.2	44.7	34.4
9-10 AM	2247	0.0	OFF	2247	0	0.01	0	69.2	69.0	69.0
10-11 AM	2719	0.0	OFF	2719	0	0.00	0	68.7	68.7	68.7
11AM-NOON	3179	0.0	OFF	3179	0	0.00	0	68.1	68.1	68.1
NOON-1PM	3651	0.0	OFF	3651	0	0.00	0	67.2	67.2	67.2
1-2 PM	3788	0.0	OFF	3788	0	0.00	0	66.3	66.3	66.3
2-3 PM	3936	0.0	OFF	3936	0	0.00	0	65.3	65.3	65.3
3-4 PM	3891	0.0	OFF	3891	0	0.00	0	65.6	65.6	65.6
4-5 PM	3773	0.0	OFF	3773	0	0.00	0	66.4	66.4	66.4
5-6 PM	3473	0.0	OFF	3473	0	0.00	0	67.8	67.8	67.8
6-7 PM	3189	0.0	OFF	3189	0	0.00	0	68.1	68.1	68.1
7-8 PM	2561	0.0	1499	1809	752	13.28+	332	68.9	11.3	37.1
8-9 PM	2230	0.0	1499	1528	702	16.14+	397	69.2	9.6	32.8
9-10 PM	1900	0.0	1500	1548	352	16.07+	394	69.7	9.6	32.5
10-11 PM	1336	0.0	1500	1336	0	13.56	334	70.2	11.2	32.5
11PM-MID	919	0.0	1500	919	0	1.34	44	70.2	46.1	44.6

"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	0.0240
MAIN ROUTE WITH WORKS	0.0222
'DIVERSION'	0.0020

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$32,522
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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 Construction Season

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

