

**IH 94: CTH O TO STH 100 (WAUKESHA COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST

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	950	0.0	1500	950	0	0.58	0	69.6	57.1	41.9	
1-2 AM	643	0.0	1500	643	0	0.55	0	69.9	58.0	43.0	
2-3 AM	278	0.0	1500	278	0	0.51	0	70.2	58.9	44.4	
3-4 AM	208	0.0	1500	208	0	0.50	0	70.2	59.1	44.6	
4-5 AM	114	0.0	1500	114	0	0.49	0	70.2	59.3	45.0	
5-6 AM	187	0.0	1500	187	0	0.50	0	70.2	59.1	44.7	
6-7 AM	300	0.0	1500	300	0	0.51	0	70.2	58.9	44.3	
7-8 AM	830	0.0	1500	830	0	0.57	0	69.7	57.4	42.3	
8-9 AM	915	0.0	1499	915	0	0.58	0	69.6	57.2	42.0	
9-10 AM	1953	0.0	OFF	1953	0	0.00	0	68.3	68.3	68.3	
10-11 AM	2382	0.0	OFF	2382	0	0.00	0	67.8	67.8	67.8	
11AM-NOON	2688	0.0	OFF	2688	0	0.00	0	67.4	67.4	67.4	
NOON-1PM	3665	0.0	OFF	3665	0	0.00	0	65.8	65.8	65.8	
1-2 PM	3841	0.0	OFF	3841	0	0.00	0	64.6	64.6	64.6	
2-3 PM	3616	0.0	OFF	3616	0	0.00	0	66.1	66.1	66.1	
3-4 PM	3695	0.0	OFF	3695	0	0.00	0	65.6	65.6	65.6	
4-5 PM	3748	0.0	OFF	3748	0	0.00	0	65.3	65.3	65.3	
5-6 PM	3545	0.0	OFF	3545	0	0.00	0	66.3	66.3	66.3	
6-7 PM	3208	0.0	OFF	3208	0	0.00	0	66.8	66.8	66.8	
7-8 PM	2316	0.0	1499	1901	415	12.73+	317	67.9	12.0	31.6	
8-9 PM	1702	0.0	1499	1500	202	16.37+	399	68.6	9.7	30.8	
9-10 PM	1359	0.0	1499	1359	0	14.21+	346	69.1	11.0	30.8	
10-11 PM	1202	0.0	1500	1202	0	4.69	138	69.2	25.2	34.5	
11PM-MID	576	0.0	1500	576	0	0.54	0	70.0	58.2	43.2	

"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	0.0217
MAIN ROUTE WITH WORKS	0.0206
'DIVERSION'	0.0007
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$22,276
CONGESTED HOURS PER DAY*	3

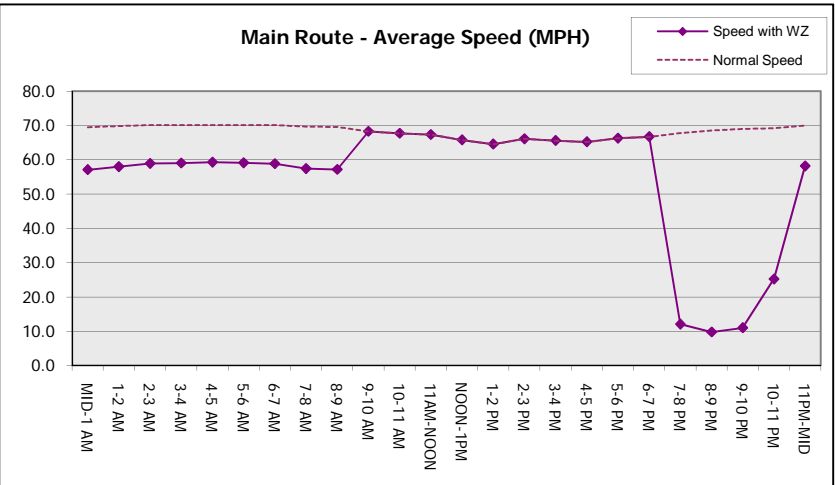
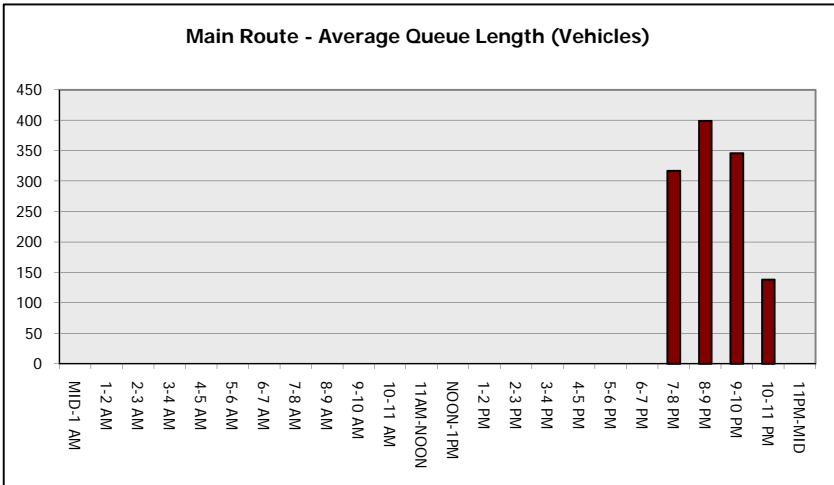
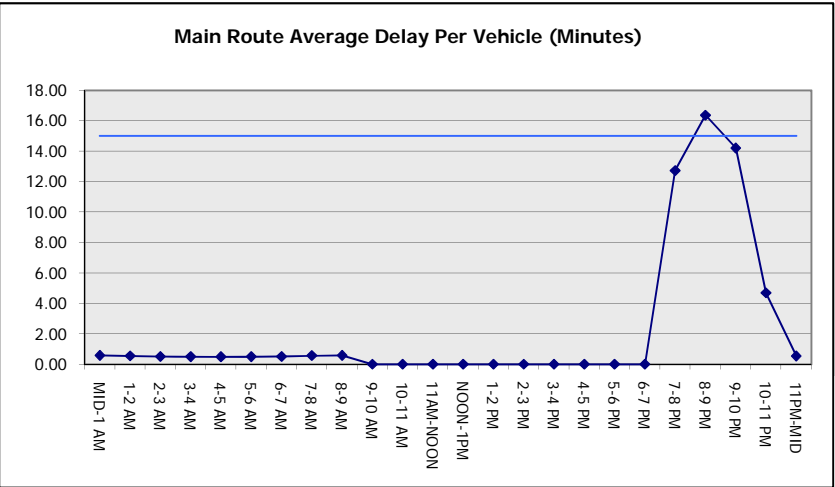
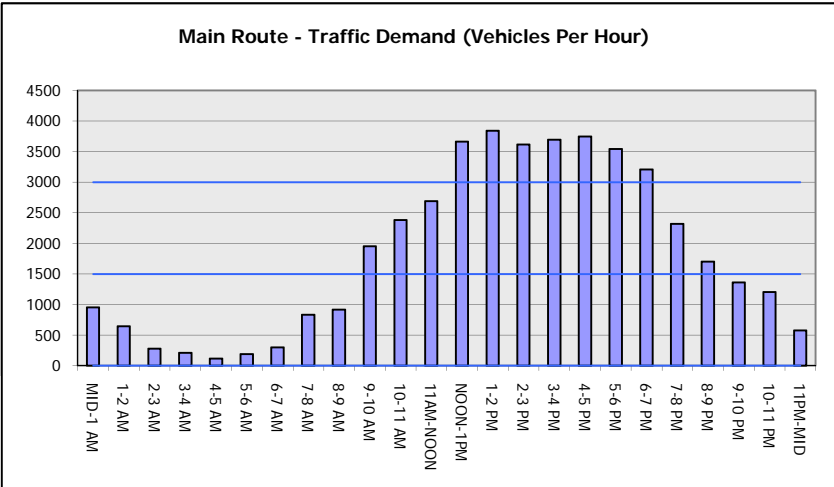
*Delays Exceeding User-Specified Maximum

**IH 94: CTH O TO STH 100 (WAUKESHA 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



IH 94: CTH 0 TO STH 100 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	653	0.0	1500	653	0	0.55	0	69.9	57.9	42.9
1-2 AM	329	0.0	1500	329	0	0.51	0	70.2	58.8	44.2
2-3 AM	154	0.0	1500	154	0	0.49	0	70.2	59.2	44.9
3-4 AM	141	0.0	1500	141	0	0.49	0	70.2	59.2	44.9
4-5 AM	108	0.0	1500	108	0	0.49	0	70.2	59.3	45.1
5-6 AM	146	0.0	1500	146	0	0.49	0	70.2	59.2	44.9
6-7 AM	271	0.0	1500	271	0	0.51	0	70.2	58.9	44.4
7-8 AM	735	0.0	1500	735	0	0.56	0	69.8	57.7	42.6
8-9 AM	909	0.0	1499	909	0	0.58	0	69.6	57.3	42.0
9-10 AM	1983	0.0	OFF	1983	0	0.00	0	68.2	68.2	68.2
10-11 AM	2550	0.0	OFF	2550	0	0.00	0	67.6	67.6	67.6
11AM-NOON	3146	0.0	OFF	3146	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3846	0.0	OFF	3846	0	0.00	0	64.6	64.6	64.6
1-2 PM	3929	0.0	OFF	3929	0	0.00	0	64.0	64.0	64.0
2-3 PM	3765	0.0	OFF	3765	0	0.00	0	65.1	65.1	65.1
3-4 PM	3736	0.0	OFF	3736	0	0.00	0	65.3	65.3	65.3
4-5 PM	3981	0.0	OFF	3981	0	0.00	0	63.7	63.7	63.7
5-6 PM	3830	0.0	OFF	3830	0	0.00	0	64.7	64.7	64.7
6-7 PM	3637	0.0	OFF	3637	0	0.00	0	66.0	66.0	66.0
7-8 PM	2727	0.0	1499	1630	1097	14.43+	366	67.3	10.8	36.0
8-9 PM	2211	0.0	1499	1701	509	13.97+	354	68.0	11.1	33.2
9-10 PM	1737	0.0	1499	1560	176	16.10+	393	68.6	9.9	30.8
10-11 PM	1352	0.0	1500	1352	0	14.52+	356	69.1	10.8	30.8
11PM-MID	525	0.0	1500	525	0	1.10	33	70.1	49.5	43.2

"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	0.0229
MAIN ROUTE WITH WORKS	0.0213
'DIVERSION'	0.0020

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$31,500
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

**IH 94: CTH O TO STH 100 (WAUKESHA 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

