

<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	588	0.0	1500	588	0	1.28	37	70.0	51.6	43.0	
1-2 AM	353	0.0	1500	353	0	0.52	0	70.2	61.4	44.1	
2-3 AM	282	0.0	1500	282	0	0.51	0	70.2	61.5	44.3	
3-4 AM	317	0.0	1500	317	0	0.51	0	70.2	61.4	44.2	
4-5 AM	477	0.0	1500	477	0	0.53	0	70.1	61.1	43.6	
5-6 AM	1258	0.0	OFF	1258	0	0.00	0	69.2	69.2	69.2	
6-7 AM	2907	0.0	OFF	2907	0	0.00	0	67.1	67.1	67.1	
7-8 AM	4058	0.0	OFF	4058	0	0.00	0	63.2	63.2	63.2	
8-9 AM	3907	0.0	OFF	3907	0	0.00	0	64.1	64.1	64.1	
9-10 AM	3317	0.0	OFF	3317	0	0.00	0	66.6	66.6	66.6	
10-11 AM	3297	0.0	OFF	3297	0	0.00	0	66.6	66.6	66.6	
11AM-NOON	3801	0.0	OFF	3801	0	0.00	0	64.9	64.9	64.9	
NOON-1PM	4224	0.0	OFF	4224	0	0.00	0	62.0	62.0	62.0	
1-2 PM	4391	0.0	OFF	4391	0	0.00	0	60.9	60.9	60.9	
2-3 PM	4972	0.0	OFF	4972	0	0.00	0	56.9	56.9	56.9	
3-4 PM	5700	0.0	OFF	5700	0	0.00	0	51.9	51.9	51.9	
4-5 PM	6089	0.0	OFF	6089	0	0.00	0	49.2	49.2	49.2	
5-6 PM	5997	0.0	OFF	5997	0	0.00	0	49.9	49.9	49.9	
6-7 PM	4503	0.0	OFF	4503	0	0.00	0	60.1	60.1	60.1	
7-8 PM	3003	0.0	1499	1550	1453	16.47+	412	67.0	12.4	36.6	
8-9 PM	2417	0.0	1499	1817	600	13.23+	336	67.8	14.8	33.1	
9-10 PM	2394	0.0	1499	1500	894	16.32+	399	67.8	12.5	30.8	
10-11 PM	2242	0.0	1500	1500	742	16.33+	400	67.9	12.5	30.8	
11PM-MID	1375	0.0	1500	1375	0	14.56+	356	69.0	13.8	30.9	

"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	0.0480
MAIN ROUTE WITH WORKS	0.0449
'DIVERSION'	0.0057
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,971
CONGESTED HOURS PER DAY*	5

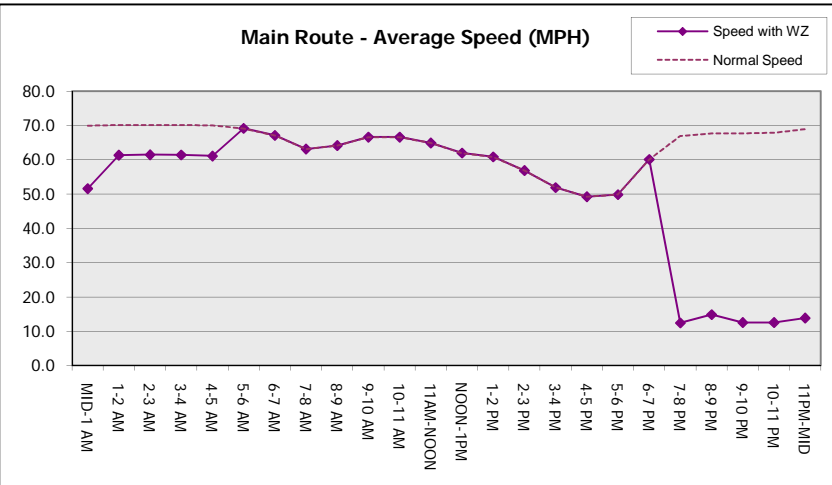
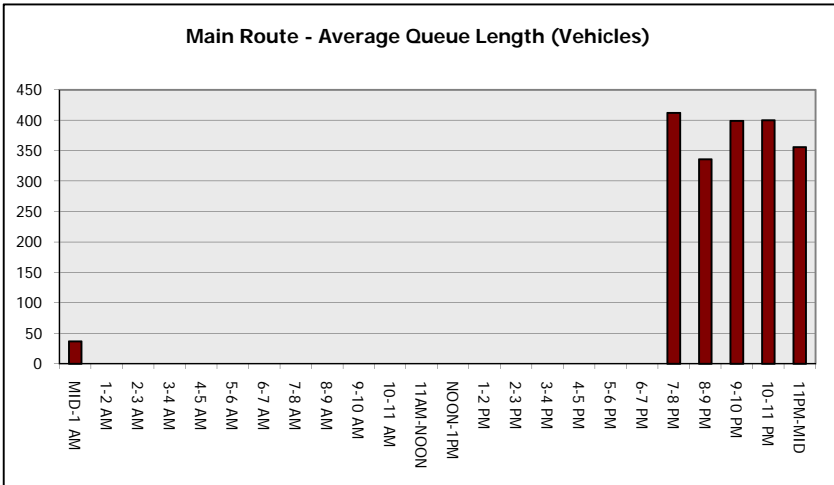
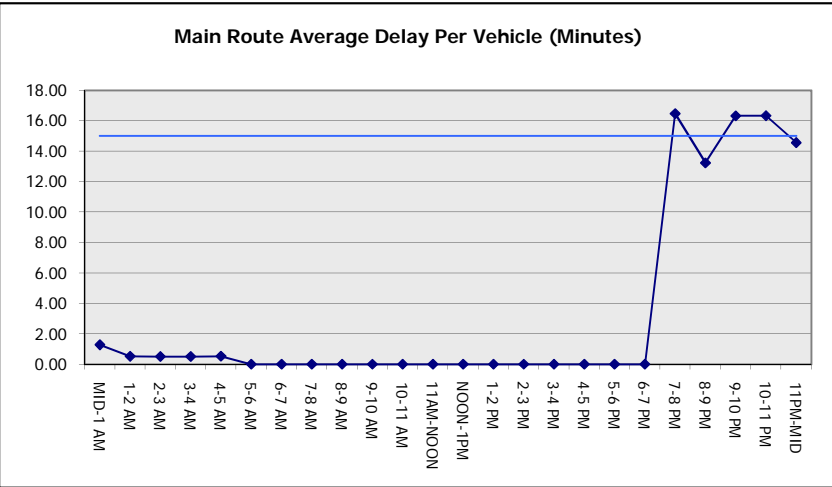
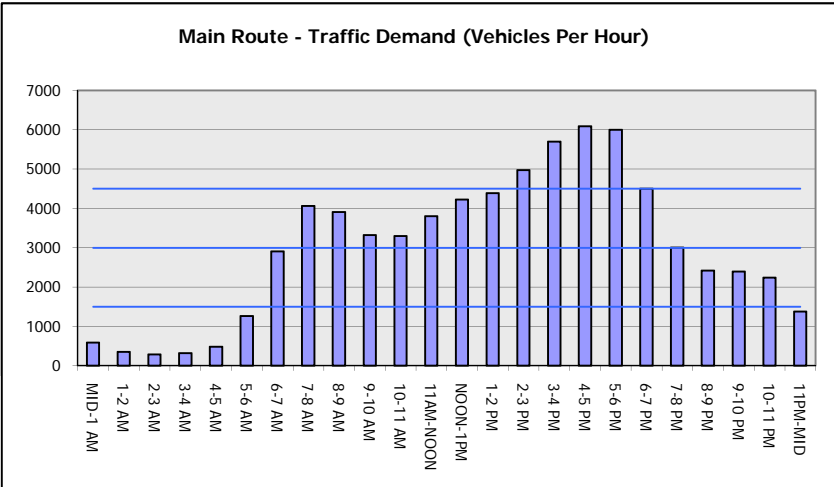
\*Delays Exceeding User-Specified Maximum

**IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)  
 NIGHTTIME 2 LANE CLOSURE  
 NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**FRIDAY WESTBOUND DIRECTION**



<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)</b> <b>NIGHTTIME 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	362	0.0	1500	362	0	0.52	0	70.2	61.4	44.0
1-2 AM	267	0.0	1500	267	0	0.50	0	70.2	61.5	44.4
2-3 AM	239	0.0	1500	239	0	0.50	0	70.2	61.5	44.5
3-4 AM	258	0.0	1500	258	0	0.50	0	70.2	61.5	44.5
4-5 AM	636	0.0	1500	636	0	0.55	0	69.9	60.7	43.0
5-6 AM	2008	0.0	OFF	2008	0	0.00	0	68.2	68.2	68.2
6-7 AM	4704	0.0	OFF	4704	0	0.00	0	58.7	58.7	58.7
7-8 AM	5644	0.0	OFF	5644	0	0.00	0	52.3	52.3	52.3
8-9 AM	4607	0.0	OFF	4607	0	0.00	0	59.4	59.4	59.4
9-10 AM	3566	0.0	OFF	3566	0	0.00	0	66.3	66.3	66.3
10-11 AM	3282	0.0	OFF	3282	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3598	0.0	OFF	3598	0	0.00	0	66.3	66.3	66.3
NOON-1PM	3569	0.0	OFF	3569	0	0.00	0	66.3	66.3	66.3
1-2 PM	3541	0.0	OFF	3541	0	0.00	0	66.3	66.3	66.3
2-3 PM	4039	0.0	OFF	4039	0	0.00	0	63.3	63.3	63.3
3-4 PM	4689	0.0	OFF	4689	0	0.00	0	58.8	58.8	58.8
4-5 PM	4636	0.0	OFF	4636	0	0.00	0	59.2	59.2	59.2
5-6 PM	4693	0.0	OFF	4693	0	0.00	0	58.8	58.8	58.8
6-7 PM	3698	0.0	OFF	3698	0	0.00	0	65.6	65.6	65.6
7-8 PM	2635	0.0	1499	1686	949	13.97+	353	67.4	14.2	35.6
8-9 PM	2121	0.0	1499	1667	453	14.63+	366	68.1	13.7	32.4
9-10 PM	1884	0.0	1499	1523	361	16.25+	397	68.4	12.7	30.8
10-11 PM	1424	0.0	1500	1424	0	14.90+	362	69.0	13.6	30.8
11PM-MID	1105	0.0	1499	1105	0	4.41	144	69.4	31.3	36.1

"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	0.0449
MAIN ROUTE WITH WORKS	0.0431
'DIVERSION'	0.0027

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,479
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

**IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)  
NIGHTTIME 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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

