

<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 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**

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	776	0.0	OFF	776	0	0.00	0	69.7	69.7	69.7	
1-2 AM	421	0.0	OFF	421	0	0.00	0	70.2	70.2	70.2	
2-3 AM	350	0.0	OFF	350	0	0.00	0	70.2	70.2	70.2	
3-4 AM	207	0.0	OFF	207	0	0.00	0	70.2	70.2	70.2	
4-5 AM	192	0.0	OFF	192	0	0.00	0	70.2	70.2	70.2	
5-6 AM	377	0.0	OFF	377	0	0.00	0	70.2	70.2	70.2	
6-7 AM	627	0.0	OFF	627	0	0.00	0	69.9	69.9	69.9	
7-8 AM	1144	0.0	OFF	1144	0	0.00	0	69.3	69.3	69.3	
8-9 AM	1597	0.0	OFF	1597	0	0.00	0	68.7	68.7	68.7	
9-10 AM	2252	0.0	1499	1826	426	9.91+	270	67.9	18.5	30.9	
10-11 AM	2909	0.0	1499	1500	1409	16.24+	399	67.1	12.6	31.4	
11AM-NOON	3139	0.0	1500	1500	1639	16.23+	400	66.8	12.6	31.4	
NOON-1PM	3747	0.0	1500	1500	2247	16.14+	400	65.3	12.6	31.4	
1-2 PM	3486	0.0	1500	1500	1986	16.20+	400	66.4	12.6	31.4	
2-3 PM	3497	0.0	1499	1500	1997	16.20+	400	66.4	12.6	31.4	
3-4 PM	3581	0.0	1500	1500	2081	16.20+	400	66.3	12.6	31.4	
4-5 PM	4064	0.0	1500	1500	2564	16.00+	400	63.1	12.6	31.4	
5-6 PM	3501	0.0	1500	1500	2001	16.20+	400	66.4	12.6	31.4	
6-7 PM	2631	0.0	1500	1500	1131	16.26+	400	67.4	12.6	31.4	
7-8 PM	2257	0.0	OFF	2257	0	0.16	14	67.9	65.0	65.0	
8-9 PM	1746	0.0	OFF	1746	0	0.00	0	68.6	68.6	68.6	
9-10 PM	1277	0.0	OFF	1277	0	0.00	0	69.1	69.1	69.1	
10-11 PM	914	0.0	OFF	914	0	0.00	0	69.6	69.6	69.6	
11PM-MID	582	0.0	OFF	582	0	0.00	0	70.0	70.0	70.0	

"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	0.0303
MAIN ROUTE WITH WORKS	0.0176
'DIVERSION'	0.0271
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$143,187
CONGESTED HOURS PER DAY*	10

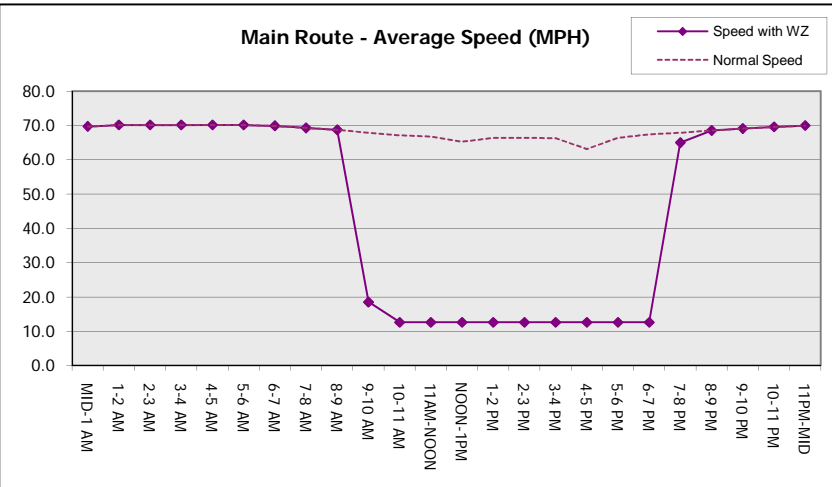
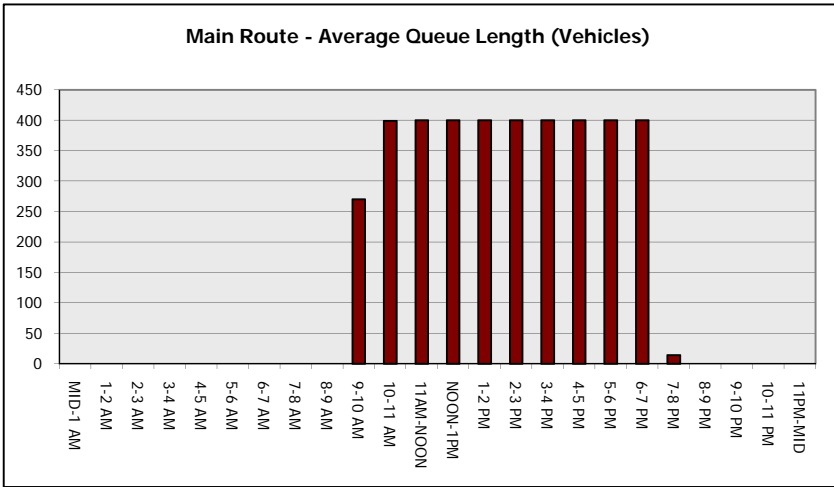
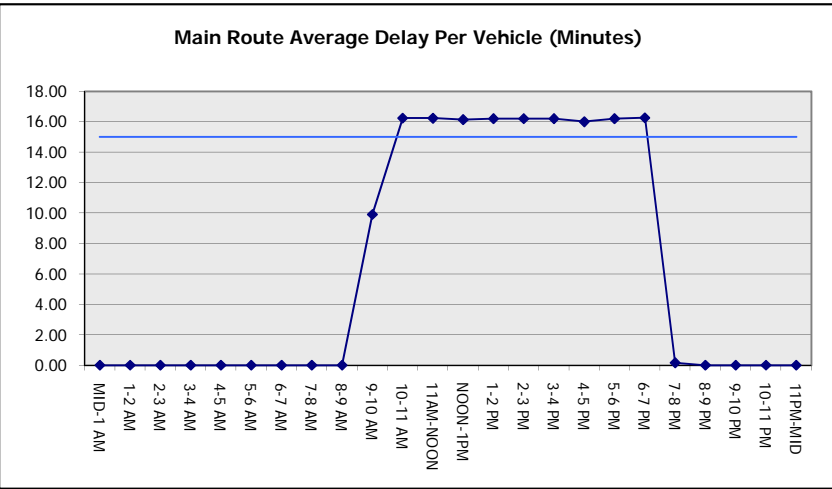
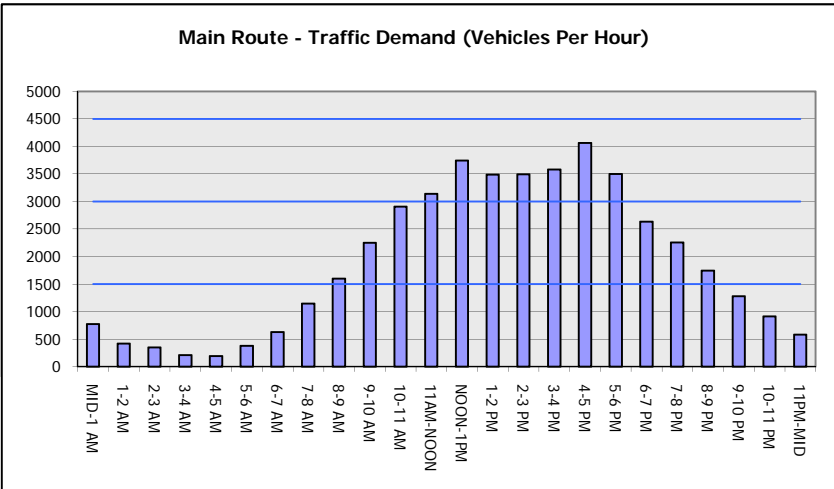
\*Delays Exceeding User-Specified Maximum

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

**MAY**  
 Analyzed for 2009  
 Construction Season

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

**SUNDAY WESTBOUND DIRECTION**



<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 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**

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	671	0.0	OFF	671	0	0.00	0	69.9	69.9	69.9
1-2 AM	393	0.0	OFF	393	0	0.00	0	70.2	70.2	70.2
2-3 AM	257	0.0	OFF	257	0	0.00	0	70.2	70.2	70.2
3-4 AM	175	0.0	OFF	175	0	0.00	0	70.2	70.2	70.2
4-5 AM	217	0.0	OFF	217	0	0.00	0	70.2	70.2	70.2
5-6 AM	336	0.0	OFF	336	0	0.00	0	70.2	70.2	70.2
6-7 AM	555	0.0	OFF	555	0	0.00	0	70.0	70.0	70.0
7-8 AM	897	0.0	OFF	897	0	0.00	0	69.6	69.6	69.6
8-9 AM	1438	0.0	OFF	1438	0	0.00	0	68.9	68.9	68.9
9-10 AM	2346	0.0	1499	1801	545	10.05+	275	67.8	18.3	31.9
10-11 AM	3384	0.0	1500	1500	1884	16.12+	400	66.5	12.7	33.0
11AM-NOON	4088	0.0	1500	1500	2588	15.90+	400	62.9	12.7	33.0
NOON-1PM	4157	0.0	1500	1500	2657	15.87+	400	62.5	12.7	33.0
1-2 PM	3878	0.0	1500	1500	2378	15.99+	399	64.3	12.7	33.0
2-3 PM	3742	0.0	1500	1500	2242	16.05+	400	65.3	12.7	33.0
3-4 PM	3692	0.0	1500	1500	2192	16.07+	399	65.6	12.7	33.0
4-5 PM	3662	0.0	1500	1500	2162	16.08+	400	65.8	12.7	33.0
5-6 PM	3420	0.0	1500	1500	1920	16.12+	400	66.5	12.7	33.0
6-7 PM	3089	0.0	1500	1500	1589	16.14+	400	66.9	12.7	33.0
7-8 PM	2703	0.0	OFF	2703	0	0.16	13	67.4	64.6	64.6
8-9 PM	2275	0.0	OFF	2275	0	0.00	0	67.9	67.9	67.9
9-10 PM	1719	0.0	OFF	1719	0	0.00	0	68.6	68.6	68.6
10-11 PM	1074	0.0	OFF	1074	0	0.00	0	69.4	69.4	69.4
11PM-MID	660	0.0	OFF	660	0	0.00	0	69.9	69.9	69.9

"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	0.0326
MAIN ROUTE WITH WORKS	0.0182
'DIVERSION'	0.0312

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$153,656
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
 Analyzed for 2009  
 Construction Season

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

