

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	1003	0.0	OFF	1003	0	0.00	0	69.5	69.5	69.5	
1-2 AM	516	0.0	OFF	516	0	0.00	0	70.1	70.1	70.1	
2-3 AM	399	0.0	OFF	399	0	0.00	0	70.2	70.2	70.2	
3-4 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2	
4-5 AM	367	0.0	OFF	367	0	0.00	0	70.2	70.2	70.2	
5-6 AM	670	0.0	OFF	670	0	0.00	0	69.9	69.9	69.9	
6-7 AM	1246	0.0	OFF	1246	0	0.00	0	69.2	69.2	69.2	
7-8 AM	1679	0.0	OFF	1679	0	0.00	0	68.6	68.6	68.6	
8-9 AM	2210	0.0	3000	2210	0	0.33	0	68.0	62.4	49.7	
9-10 AM	2463	0.0	3000	2463	0	0.38	0	67.7	61.4	47.7	
10-11 AM	2774	0.0	2999	2774	0	0.58	0	67.3	58.2	41.0	
11AM-NOON	3041	0.0	2999	3041	0	0.93	12	66.9	53.7	37.4	
NOON-1PM	3243	0.0	3000	3243	0	3.55	165	66.7	34.4	37.3	
1-2 PM	3213	0.0	2999	3213	0	7.91	401	66.8	21.5	37.3	
2-3 PM	3151	0.0	2999	3151	0	11.20	579	66.8	16.8	37.3	
3-4 PM	3231	0.0	3000	3126	105	14.50+	762	66.7	13.9	37.3	
4-5 PM	2986	0.0	3000	2978	8	15.09+	791	67.0	13.5	37.3	
5-6 PM	2552	0.0	2999	2552	0	10.49	557	67.6	17.7	37.5	
6-7 PM	2306	0.0	OFF	2306	0	0.15	13	67.9	65.1	65.1	
7-8 PM	2330	0.0	OFF	2330	0	0.00	0	67.8	67.8	67.8	
8-9 PM	2098	0.0	OFF	2098	0	0.00	0	68.1	68.1	68.1	
9-10 PM	2270	0.0	OFF	2270	0	0.00	0	67.9	67.9	67.9	
10-11 PM	1793	0.0	OFF	1793	0	0.00	0	68.5	68.5	68.5	
11PM-MID	1210	0.0	OFF	1210	0	0.00	0	69.2	69.2	69.2	

"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	0.0315
MAIN ROUTE WITH WORKS	0.0295
'DIVERSION'	0.0002
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$53,766
CONGESTED HOURS PER DAY*	2

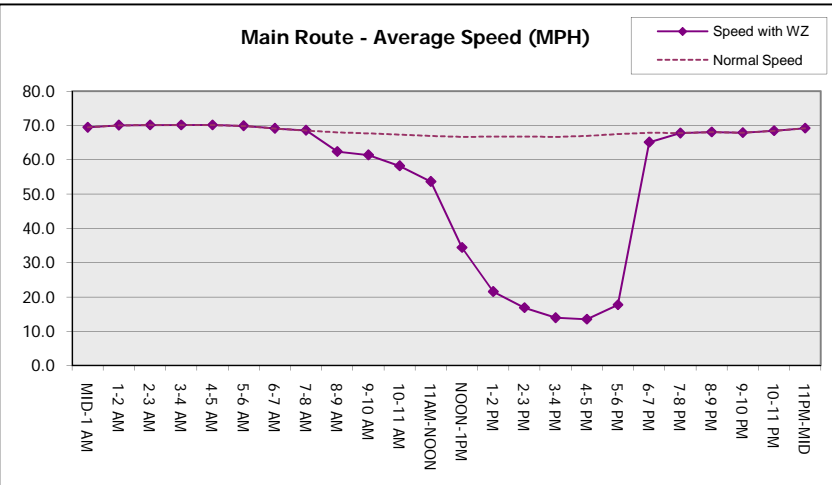
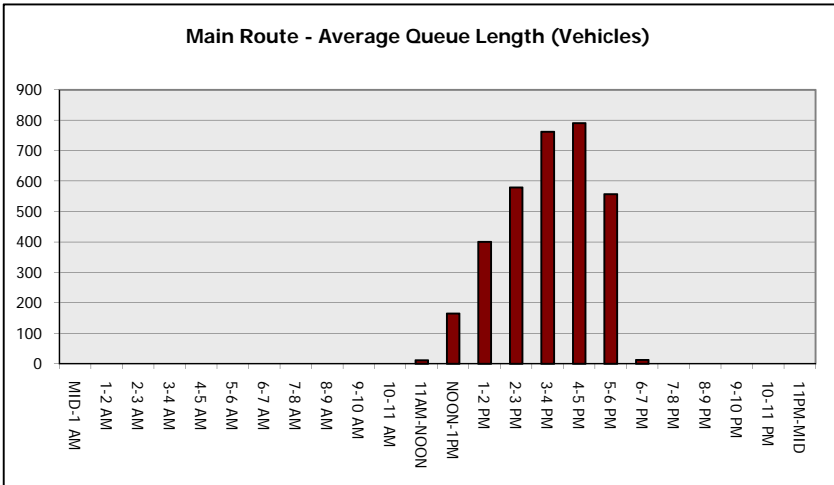
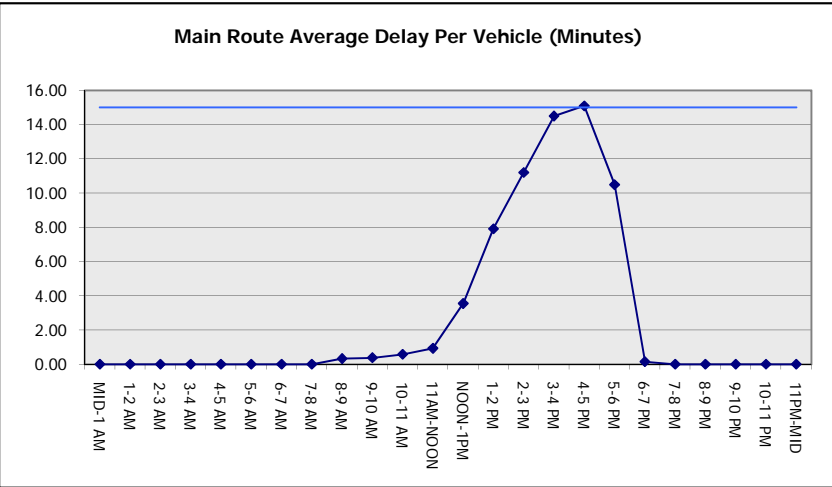
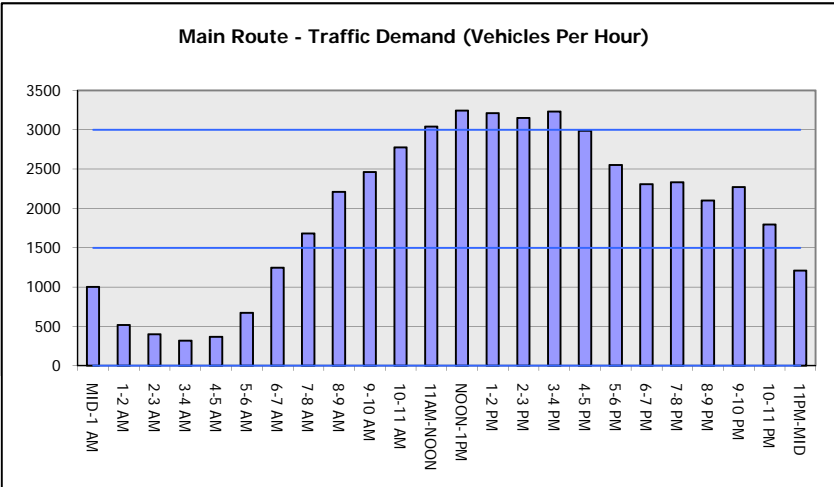
*Delays Exceeding User-Specified Maximum

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

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	605	0.0	OFF	605	0	0.00	0	70.0	70.0	70.0
1-2 AM	364	0.0	OFF	364	0	0.00	0	70.2	70.2	70.2
2-3 AM	277	0.0	OFF	277	0	0.00	0	70.2	70.2	70.2
3-4 AM	271	0.0	OFF	271	0	0.00	0	70.2	70.2	70.2
4-5 AM	402	0.0	OFF	402	0	0.00	0	70.2	70.2	70.2
5-6 AM	711	0.0	OFF	711	0	0.00	0	69.9	69.9	69.9
6-7 AM	1113	0.0	OFF	1113	0	0.00	0	69.4	69.4	69.4
7-8 AM	1652	0.0	OFF	1652	0	0.00	0	68.7	68.7	68.7
8-9 AM	2419	0.0	2999	2419	0	0.39	0	67.8	61.2	47.3
9-10 AM	2977	0.0	2999	2977	0	0.92	14	67.0	53.9	38.6
10-11 AM	3545	0.0	3000	3545	0	5.48	300	66.3	27.1	37.3
11AM-NOON	3978	0.0	2999	3216	762	14.73+	784	63.7	13.7	37.3
NOON-1PM	3933	0.0	3000	2999	934	15.17+	805	64.0	13.4	37.3
1-2 PM	4029	0.0	3000	2999	1030	15.13+	805	63.3	13.4	37.3
2-3 PM	4084	0.0	2999	2998	1086	15.11+	806	63.0	13.4	37.3
3-4 PM	3960	0.0	2999	3000	961	15.16+	805	63.8	13.4	37.3
4-5 PM	3910	0.0	3000	3000	910	15.18+	805	64.1	13.4	37.3
5-6 PM	3473	0.0	3000	3000	474	15.31+	805	66.4	13.4	37.3
6-7 PM	3002	0.0	OFF	3002	0	1.24	110	67.0	50.4	50.4
7-8 PM	2347	0.0	OFF	2347	0	0.00	0	67.8	67.8	67.8
8-9 PM	2197	0.0	OFF	2197	0	0.00	0	68.0	68.0	68.0
9-10 PM	1949	0.0	OFF	1949	0	0.00	0	68.3	68.3	68.3
10-11 PM	1615	0.0	OFF	1615	0	0.00	0	68.7	68.7	68.7
11PM-MID	1100	0.0	OFF	1100	0	0.00	0	69.4	69.4	69.4

"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	0.0360
MAIN ROUTE WITH WORKS	0.0299
'DIVERSION'	0.0095

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$119,962
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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

AUGUST
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY EASTBOUND DIRECTION

