

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	663	0.0	OFF	663	0	0.00	0	69.9	69.9	69.9	
1-2 AM	416	0.0	OFF	416	0	0.00	0	70.2	70.2	70.2	
2-3 AM	318	0.0	OFF	318	0	0.00	0	70.2	70.2	70.2	
3-4 AM	327	0.0	OFF	327	0	0.00	0	70.2	70.2	70.2	
4-5 AM	459	0.0	OFF	459	0	0.00	0	70.2	70.2	70.2	
5-6 AM	1099	0.0	OFF	1099	0	0.00	0	69.4	69.4	69.4	
6-7 AM	2353	0.0	OFF	2353	0	0.00	0	67.8	67.8	67.8	
7-8 AM	3249	0.0	OFF	3249	0	0.00	0	66.7	66.7	66.7	
8-9 AM	3027	0.0	OFF	3027	0	0.00	0	66.9	66.9	66.9	
9-10 AM	2604	0.0	OFF	2604	0	0.00	0	67.5	67.5	67.5	
10-11 AM	2777	0.0	1499	1823	955	13.54+	337	67.3	14.6	35.1	
11AM-NOON	3125	0.0	1499	1500	1625	16.22+	399	66.8	12.6	31.6	
NOON-1PM	3482	0.0	1500	1500	1982	16.19+	400	66.4	12.6	31.6	
1-2 PM	3570	0.0	1500	1500	2070	16.18+	400	66.3	12.6	31.6	
2-3 PM	3963	0.0	1500	1500	2463	16.03+	400	63.8	12.6	31.6	
3-4 PM	4423	0.0	OFF	4423	0	0.49	32	60.6	54.3	54.3	
4-5 PM	4610	0.0	OFF	4610	0	0.00	0	59.4	59.4	59.4	
5-6 PM	4513	0.0	OFF	4513	0	0.00	0	60.1	60.1	60.1	
6-7 PM	3658	0.0	OFF	3658	0	0.00	0	65.9	65.9	65.9	
7-8 PM	2650	0.0	OFF	2650	0	0.00	0	67.4	67.4	67.4	
8-9 PM	2229	0.0	OFF	2229	0	0.00	0	67.9	67.9	67.9	
9-10 PM	2261	0.0	OFF	2261	0	0.00	0	67.9	67.9	67.9	
10-11 PM	2228	0.0	OFF	2228	0	0.00	0	67.9	67.9	67.9	
11PM-MID	1485	0.0	OFF	1485	0	0.00	0	68.9	68.9	68.9	

"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	0.0398
MAIN ROUTE WITH WORKS	0.0332
'DIVERSION'	0.0141
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$59,123
CONGESTED HOURS PER DAY*	5

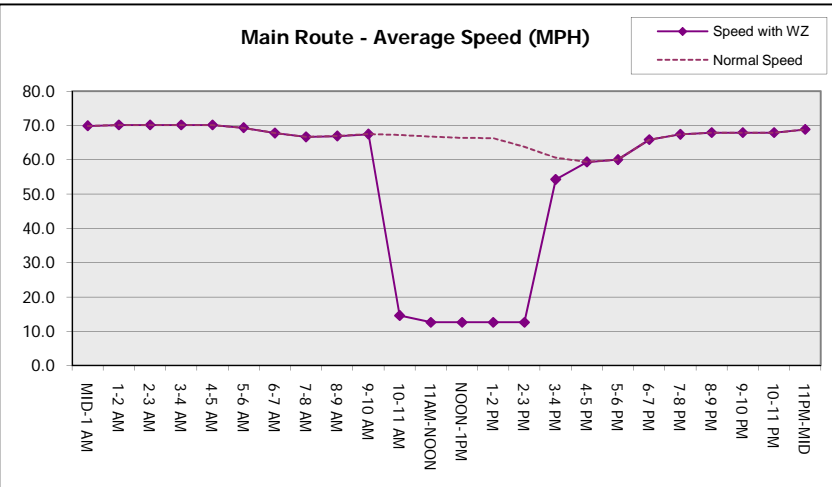
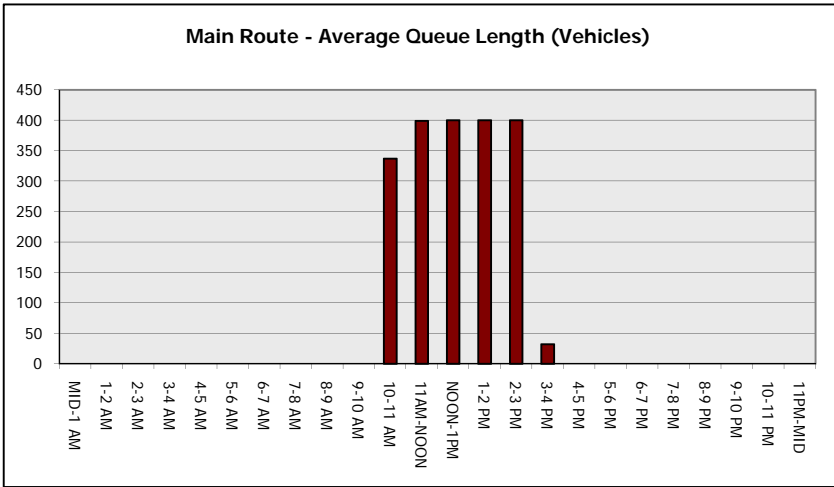
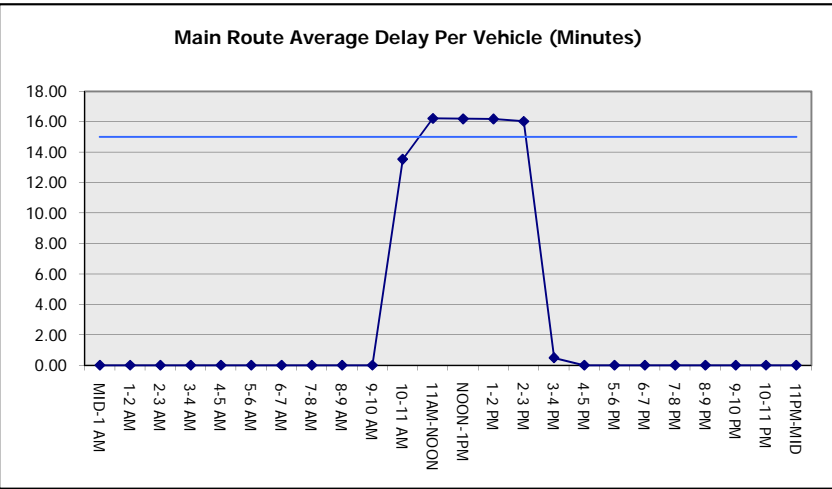
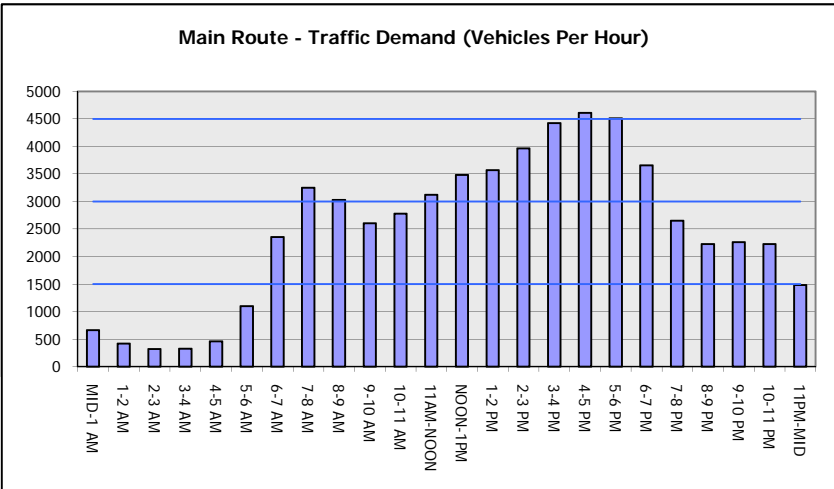
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	396	0.0	OFF	396	0	0.00	0	70.2	70.2	70.2
1-2 AM	292	0.0	OFF	292	0	0.00	0	70.2	70.2	70.2
2-3 AM	259	0.0	OFF	259	0	0.00	0	70.2	70.2	70.2
3-4 AM	294	0.0	OFF	294	0	0.00	0	70.2	70.2	70.2
4-5 AM	675	0.0	OFF	675	0	0.00	0	69.9	69.9	69.9
5-6 AM	2010	0.0	OFF	2010	0	0.00	0	68.2	68.2	68.2
6-7 AM	4400	0.0	OFF	4400	0	0.00	0	60.8	60.8	60.8
7-8 AM	5481	0.0	OFF	5481	0	0.00	0	53.4	53.4	53.4
8-9 AM	4443	0.0	OFF	4443	0	0.00	0	60.5	60.5	60.5
9-10 AM	3689	0.0	OFF	3689	0	0.00	0	65.6	65.6	65.6
10-11 AM	3682	0.0	1499	1550	2132	16.40+	412	65.7	12.4	36.6
11AM-NOON	3826	0.0	1499	1697	2129	14.41+	378	64.7	13.8	35.8
NOON-1PM	3849	0.0	1499	1500	2349	15.81+	399	64.6	12.8	37.3
1-2 PM	3903	0.0	1500	1500	2403	15.78+	400	64.2	12.8	37.3
2-3 PM	4163	0.0	1500	1500	2663	15.67+	400	62.4	12.8	37.3
3-4 PM	4782	0.0	OFF	4782	0	0.38	25	58.2	53.5	53.5
4-5 PM	4908	0.0	OFF	4908	0	0.00	0	57.3	57.3	57.3
5-6 PM	4595	0.0	OFF	4595	0	0.00	0	59.5	59.5	59.5
6-7 PM	3797	0.0	OFF	3797	0	0.00	0	64.9	64.9	64.9
7-8 PM	2666	0.0	OFF	2666	0	0.00	0	67.4	67.4	67.4
8-9 PM	2196	0.0	OFF	2196	0	0.00	0	68.0	68.0	68.0
9-10 PM	1888	0.0	OFF	1888	0	0.00	0	68.4	68.4	68.4
10-11 PM	1497	0.0	OFF	1497	0	0.00	0	68.9	68.9	68.9
11PM-MID	1081	0.0	OFF	1081	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	0.0
(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	0
(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	0.0460
MAIN ROUTE WITH WORKS	0.0377
'DIVERSION'	0.0181

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,258
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

