

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

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	794	0.0	OFF	794	0	0.00	0	69.7	69.7	69.7	
1-2 AM	464	0.0	OFF	464	0	0.00	0	70.2	70.2	70.2	
2-3 AM	380	0.0	OFF	380	0	0.00	0	70.2	70.2	70.2	
3-4 AM	303	0.0	OFF	303	0	0.00	0	70.2	70.2	70.2	
4-5 AM	382	0.0	OFF	382	0	0.00	0	70.2	70.2	70.2	
5-6 AM	664	0.0	OFF	664	0	0.00	0	69.9	69.9	69.9	
6-7 AM	1303	0.0	OFF	1303	0	0.00	0	69.1	69.1	69.1	
7-8 AM	2134	0.0	OFF	2134	0	0.00	0	68.1	68.1	68.1	
8-9 AM	2646	0.0	1499	1971	674	13.06+	326	67.4	15.0	32.2	
9-10 AM	2975	0.0	1499	1500	1475	16.28+	399	67.1	12.5	30.8	
10-11 AM	3358	0.0	1500	1500	1858	16.25+	400	66.6	12.5	30.8	
11AM-NOON	3695	0.0	1500	1500	2195	16.20+	400	65.6	12.5	30.8	
NOON-1PM	3939	0.0	1500	1500	2439	16.09+	400	64.0	12.5	30.8	
1-2 PM	3681	0.0	1500	1500	2181	16.20+	400	65.7	12.5	30.8	
2-3 PM	3640	0.0	1500	1500	2140	16.22+	400	66.0	12.5	30.8	
3-4 PM	3693	0.0	1500	1500	2193	16.20+	400	65.6	12.5	30.8	
4-5 PM	3597	0.0	1500	1500	2097	16.23+	400	66.3	12.5	30.8	
5-6 PM	3208	0.0	1500	1500	1708	16.26+	400	66.8	12.5	30.8	
6-7 PM	2656	0.0	OFF	2656	0	0.36	33	67.4	61.4	61.4	
7-8 PM	2133	0.0	OFF	2133	0	0.00	0	68.1	68.1	68.1	
8-9 PM	2106	0.0	OFF	2106	0	0.00	0	68.1	68.1	68.1	
9-10 PM	2308	0.0	OFF	2308	0	0.00	0	67.9	67.9	67.9	
10-11 PM	1642	0.0	OFF	1642	0	0.00	0	68.7	68.7	68.7	
11PM-MID	1122	0.0	OFF	1122	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	0.0353
MAIN ROUTE WITH WORKS	0.0216
'DIVERSION'	0.0294
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$151,107
CONGESTED HOURS PER DAY*	10

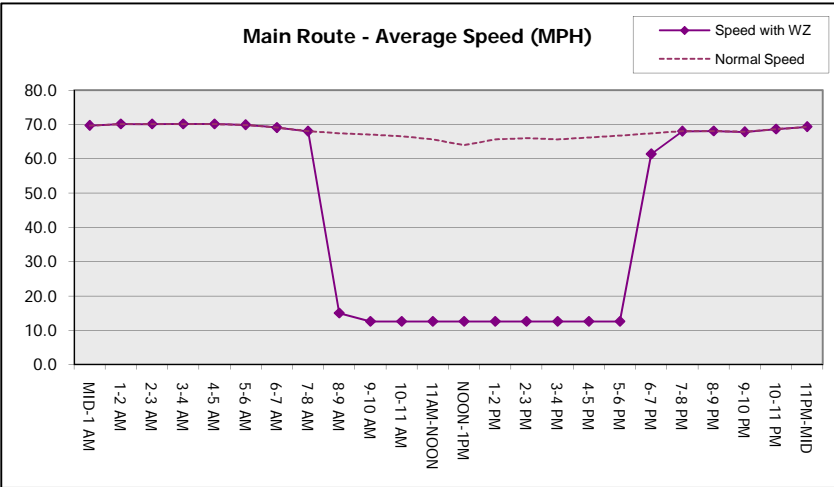
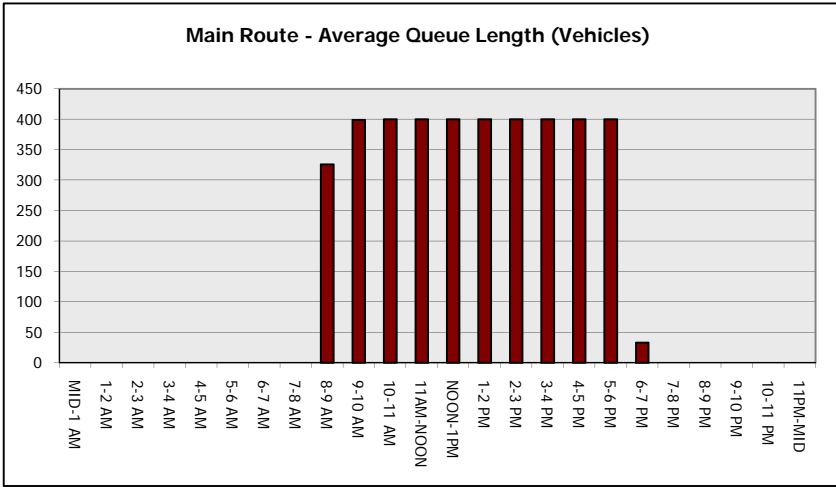
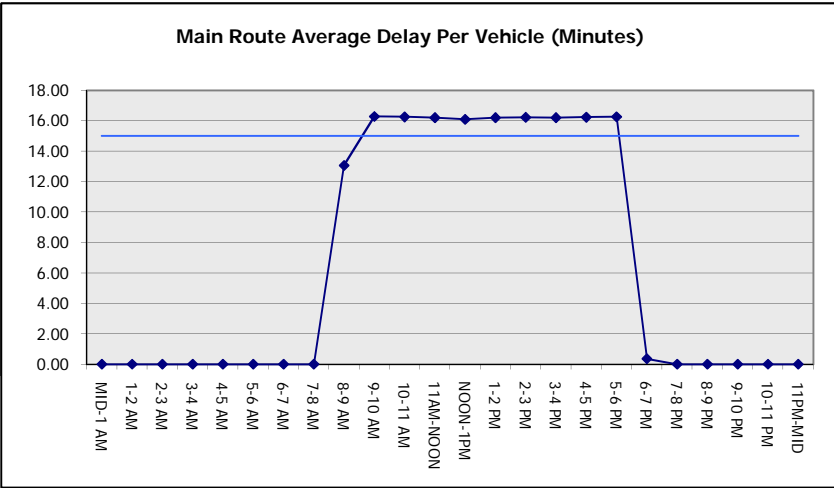
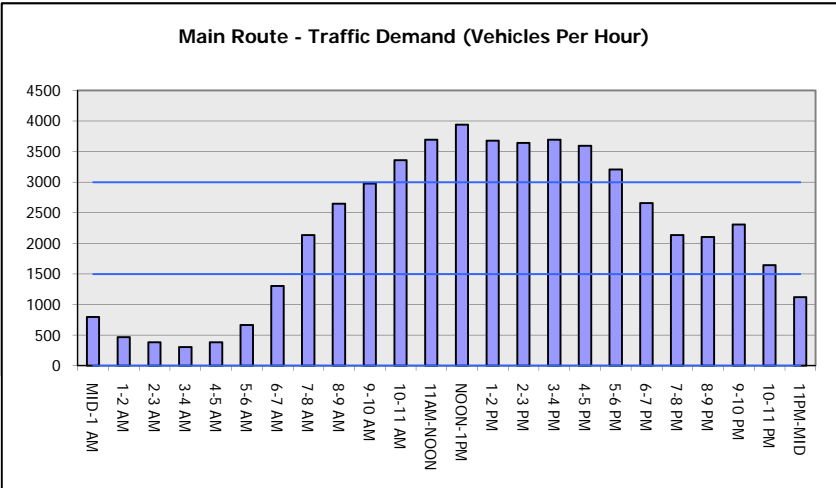
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	272	0.0	OFF	272	0	0.00	0	70.2	70.2	70.2
3-4 AM	226	0.0	OFF	226	0	0.00	0	70.2	70.2	70.2
4-5 AM	337	0.0	OFF	337	0	0.00	0	70.2	70.2	70.2
5-6 AM	649	0.0	OFF	649	0	0.00	0	69.9	69.9	69.9
6-7 AM	1056	0.0	OFF	1056	0	0.00	0	69.4	69.4	69.4
7-8 AM	1632	0.0	OFF	1632	0	0.00	0	68.7	68.7	68.7
8-9 AM	2426	0.0	1499	1877	549	11.27+	294	67.7	16.8	30.8
9-10 AM	3011	0.0	1500	1500	1511	16.27+	400	67.0	12.5	30.8
10-11 AM	3300	0.0	1500	1500	1800	16.25+	400	66.6	12.5	30.8
11AM-NOON	3615	0.0	1500	1500	2115	16.23+	400	66.1	12.5	30.8
NOON-1PM	3724	0.0	1500	1500	2224	16.18+	400	65.4	12.5	30.8
1-2 PM	3643	0.0	1500	1500	2143	16.22+	400	66.0	12.5	30.8
2-3 PM	3801	0.0	1500	1500	2301	16.15+	400	64.9	12.5	30.8
3-4 PM	3779	0.0	1500	1500	2279	16.16+	400	65.0	12.5	30.8
4-5 PM	3845	0.0	1500	1500	2345	16.13+	400	64.6	12.5	30.8
5-6 PM	3469	0.0	1500	1500	1969	16.24+	400	66.4	12.5	30.8
6-7 PM	2863	0.0	OFF	2863	0	0.25	22	67.2	62.9	62.9
7-8 PM	2323	0.0	OFF	2323	0	0.00	0	67.9	67.9	67.9
8-9 PM	2056	0.0	OFF	2056	0	0.00	0	68.2	68.2	68.2
9-10 PM	1849	0.0	OFF	1849	0	0.00	0	68.4	68.4	68.4
10-11 PM	1444	0.0	OFF	1444	0	0.00	0	68.9	68.9	68.9
11PM-MID	1092	0.0	OFF	1092	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	0.0343
MAIN ROUTE WITH WORKS	0.0205
'DIVERSION'	0.0298

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$150,752
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

