

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) NIGHTTIME 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	3000	1003	0	0.35	0	69.5	63.3	49.7
1-2 AM	516	0.0	3000	516	0	0.36	0	70.1	63.7	49.7
2-3 AM	399	0.0	3000	399	0	0.36	0	70.2	63.8	49.7
3-4 AM	316	0.0	3000	316	0	0.36	0	70.2	63.8	49.7
4-5 AM	367	0.0	3000	367	0	0.36	0	70.2	63.8	49.7
5-6 AM	670	0.0	3000	670	0	0.36	0	69.9	63.6	49.7
6-7 AM	1246	0.0	3000	1246	0	0.35	0	69.2	63.2	49.7
7-8 AM	1679	0.0	3000	1679	0	0.34	0	68.6	62.8	49.7
8-9 AM	2210	0.0	OFF	2210	0	0.00	0	68.0	68.0	68.0
9-10 AM	2463	0.0	OFF	2463	0	0.00	0	67.7	67.7	67.7
10-11 AM	2774	0.0	OFF	2774	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3041	0.0	OFF	3041	0	0.00	0	66.9	66.9	66.9
NOON-1PM	3243	0.0	OFF	3243	0	0.00	0	66.7	66.7	66.7
1-2 PM	3213	0.0	OFF	3213	0	0.00	0	66.8	66.8	66.8
2-3 PM	3151	0.0	OFF	3151	0	0.00	0	66.8	66.8	66.8
3-4 PM	3231	0.0	OFF	3231	0	0.00	0	66.7	66.7	66.7
4-5 PM	2986	0.0	OFF	2986	0	0.00	0	67.0	67.0	67.0
5-6 PM	2552	0.0	OFF	2552	0	0.00	0	67.6	67.6	67.6
6-7 PM	2306	0.0	3000	2306	0	0.33	0	67.9	62.3	49.7
7-8 PM	2330	0.0	3000	2330	0	0.33	0	67.8	62.3	49.7
8-9 PM	2098	0.0	3000	2098	0	0.33	0	68.1	62.5	49.7
9-10 PM	2270	0.0	3000	2270	0	0.33	0	67.9	62.3	49.7
10-11 PM	1793	0.0	3000	1793	0	0.34	0	68.5	62.7	49.7
11PM-MID	1210	0.0	3000	1210	0	0.35	0	69.2	63.2	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0303
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$39,665
CONGESTED HOURS PER DAY*	0

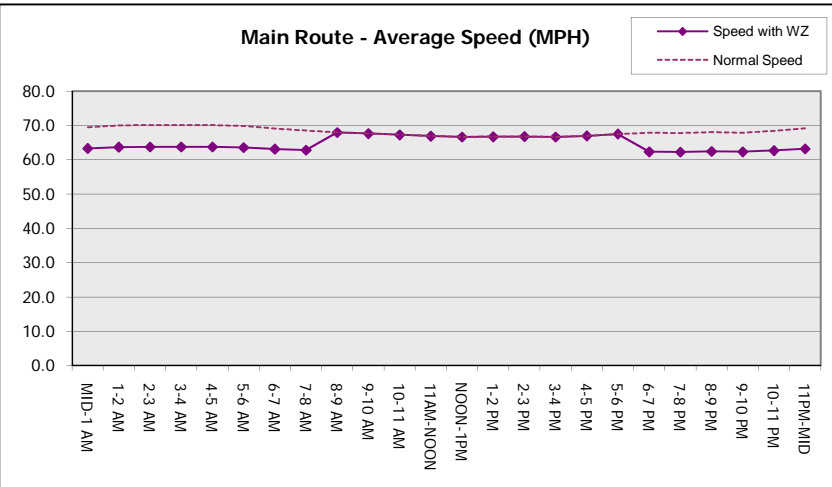
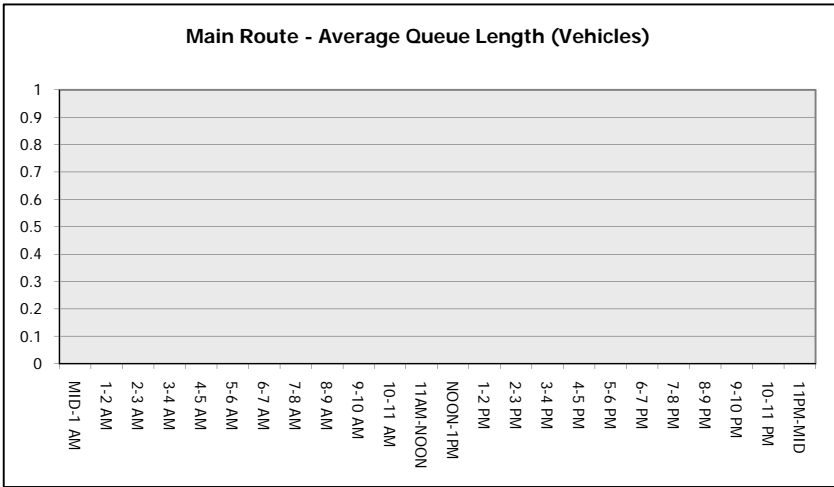
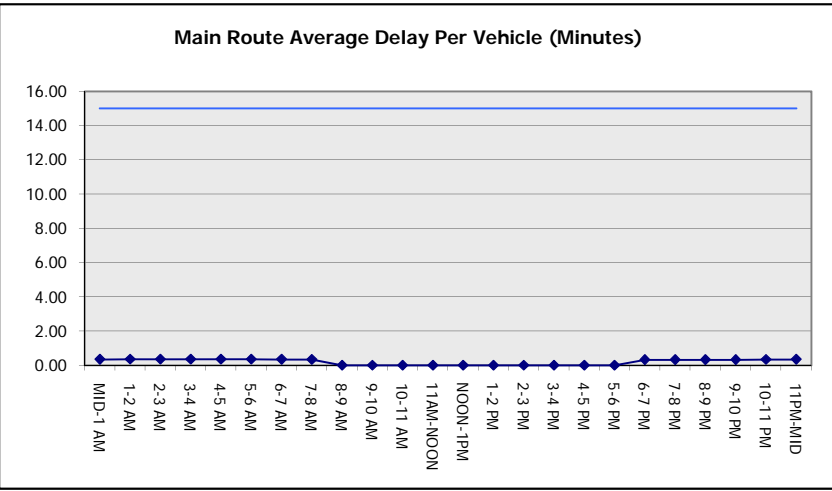
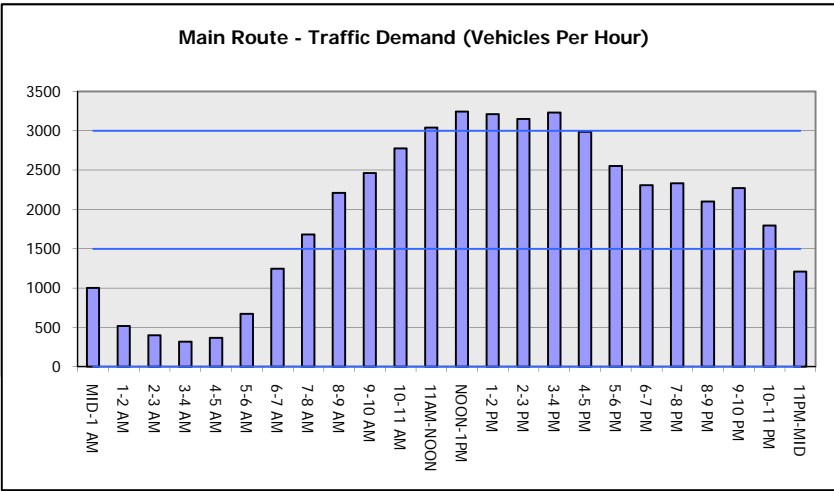
*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	3000	605	0	0.36	0	70.0	63.7	49.7
1-2 AM	364	0.0	3000	364	0	0.36	0	70.2	63.8	49.7
2-3 AM	277	0.0	3000	277	0	0.36	0	70.2	63.8	49.7
3-4 AM	271	0.0	3000	271	0	0.36	0	70.2	63.8	49.7
4-5 AM	402	0.0	3000	402	0	0.36	0	70.2	63.8	49.7
5-6 AM	711	0.0	3000	711	0	0.36	0	69.9	63.6	49.7
6-7 AM	1113	0.0	3000	1113	0	0.35	0	69.4	63.3	49.7
7-8 AM	1652	0.0	3000	1652	0	0.34	0	68.7	62.8	49.7
8-9 AM	2419	0.0	OFF	2419	0	0.00	0	67.8	67.8	67.8
9-10 AM	2977	0.0	OFF	2977	0	0.00	0	67.0	67.0	67.0
10-11 AM	3545	0.0	OFF	3545	0	0.00	0	66.3	66.3	66.3
11AM-NOON	3978	0.0	OFF	3978	0	0.00	0	63.7	63.7	63.7
NOON-1PM	3933	0.0	OFF	3933	0	0.00	0	64.0	64.0	64.0
1-2 PM	4029	0.0	OFF	4029	0	0.00	0	63.3	63.3	63.3
2-3 PM	4084	0.0	OFF	4084	0	0.00	0	63.0	63.0	63.0
3-4 PM	3960	0.0	OFF	3960	0	0.00	0	63.8	63.8	63.8
4-5 PM	3910	0.0	OFF	3910	0	0.00	0	64.1	64.1	64.1
5-6 PM	3473	0.0	OFF	3473	0	0.00	0	66.4	66.4	66.4
6-7 PM	3002	0.0	2999	3002	0	1.36	36	67.0	49.2	37.8
7-8 PM	2347	0.0	3000	2347	0	0.35	0	67.8	62.0	48.9
8-9 PM	2197	0.0	3000	2197	0	0.33	0	68.0	62.4	49.7
9-10 PM	1949	0.0	3000	1949	0	0.34	0	68.3	62.6	49.7
10-11 PM	1615	0.0	3000	1615	0	0.34	0	68.7	62.9	49.7
11PM-MID	1100	0.0	3000	1100	0	0.35	0	69.4	63.3	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0349
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,570
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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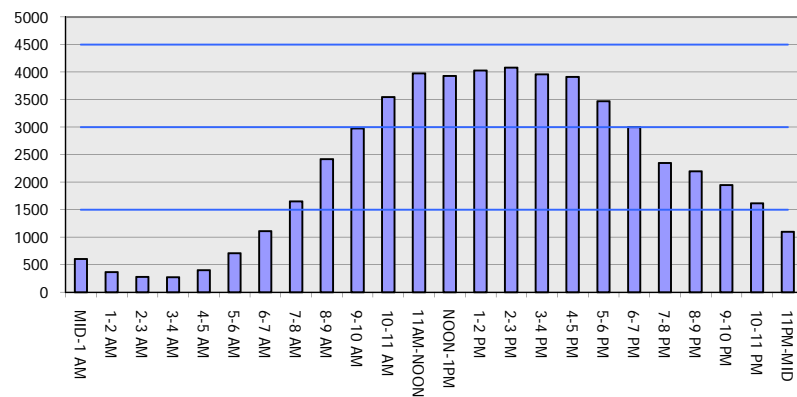
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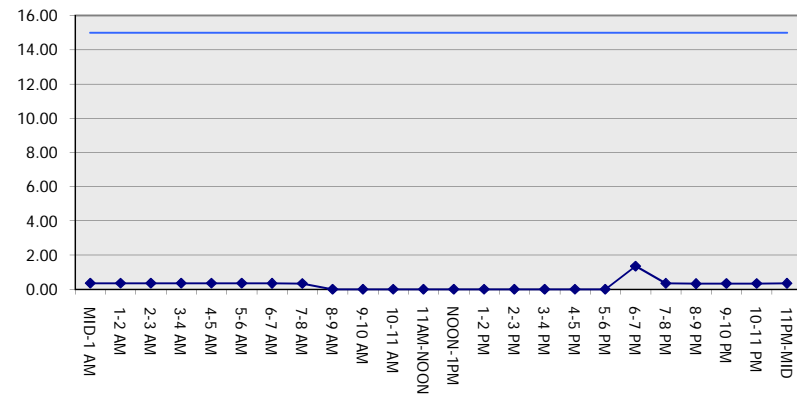
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

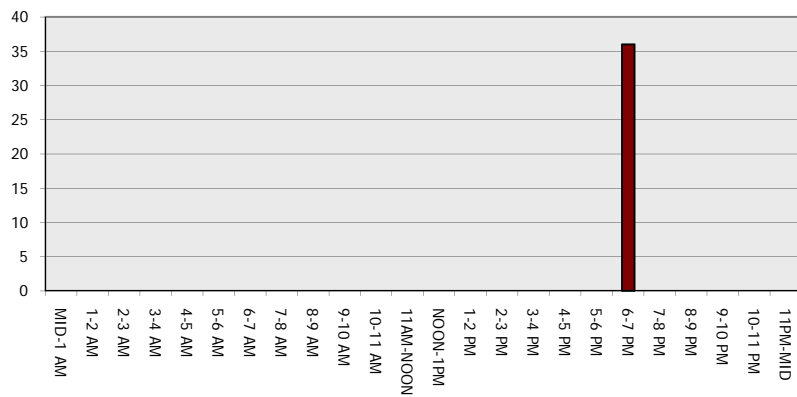
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

