

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

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	950	0.0	3000	950	0	0.35	0	69.6	63.4	49.7
1-2 AM	530	0.0	3000	530	0	0.36	0	70.0	63.7	49.7
2-3 AM	387	0.0	3000	387	0	0.36	0	70.2	63.8	49.7
3-4 AM	229	0.0	3000	229	0	0.36	0	70.2	63.8	49.7
4-5 AM	185	0.0	3000	185	0	0.36	0	70.2	63.8	49.7
5-6 AM	347	0.0	3000	347	0	0.36	0	70.2	63.8	49.7
6-7 AM	602	0.0	3000	602	0	0.36	0	70.0	63.7	49.7
7-8 AM	965	0.0	3000	965	0	0.35	0	69.6	63.4	49.7
8-9 AM	1350	0.0	3000	1350	0	0.35	0	69.1	63.1	49.7
9-10 AM	1963	0.0	OFF	1963	0	0.00	0	68.3	68.3	68.3
10-11 AM	2366	0.0	OFF	2366	0	0.00	0	67.8	67.8	67.8
11AM-NOON	2745	0.0	OFF	2745	0	0.00	0	67.3	67.3	67.3
NOON-1PM	3023	0.0	OFF	3023	0	0.00	0	67.0	67.0	67.0
1-2 PM	3110	0.0	OFF	3110	0	0.00	0	66.9	66.9	66.9
2-3 PM	2966	0.0	OFF	2966	0	0.00	0	67.1	67.1	67.1
3-4 PM	3038	0.0	OFF	3038	0	0.00	0	66.9	66.9	66.9
4-5 PM	3178	0.0	OFF	3178	0	0.00	0	66.8	66.8	66.8
5-6 PM	3058	0.0	OFF	3058	0	0.00	0	66.9	66.9	66.9
6-7 PM	2434	0.0	OFF	2434	0	0.00	0	67.7	67.7	67.7
7-8 PM	2088	0.0	3000	2088	0	0.33	0	68.1	62.5	49.7
8-9 PM	1693	0.0	3000	1693	0	0.34	0	68.6	62.8	49.7
9-10 PM	1389	0.0	3000	1389	0	0.34	0	69.0	63.0	49.7
10-11 PM	1062	0.0	3000	1062	0	0.35	0	69.4	63.3	49.7
11PM-MID	728	0.0	3000	728	0	0.35	0	69.8	63.6	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	0.0270
MAIN ROUTE WITH WORKS	0.0262
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$21,488
CONGESTED HOURS PER DAY*	0

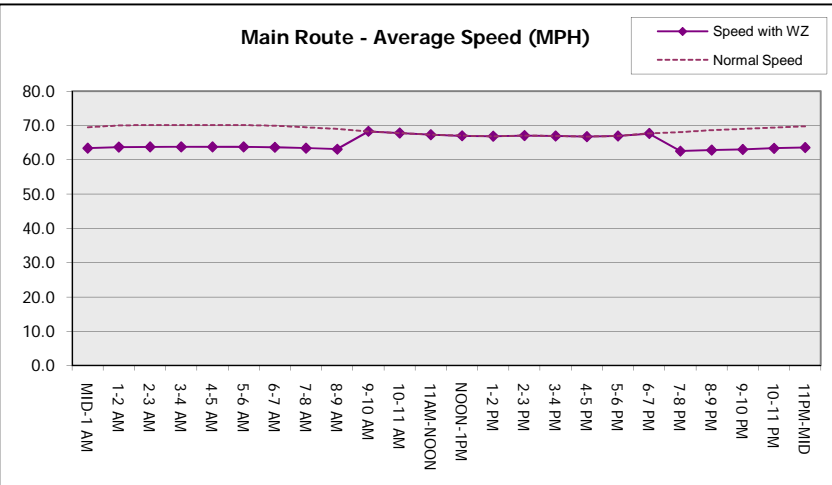
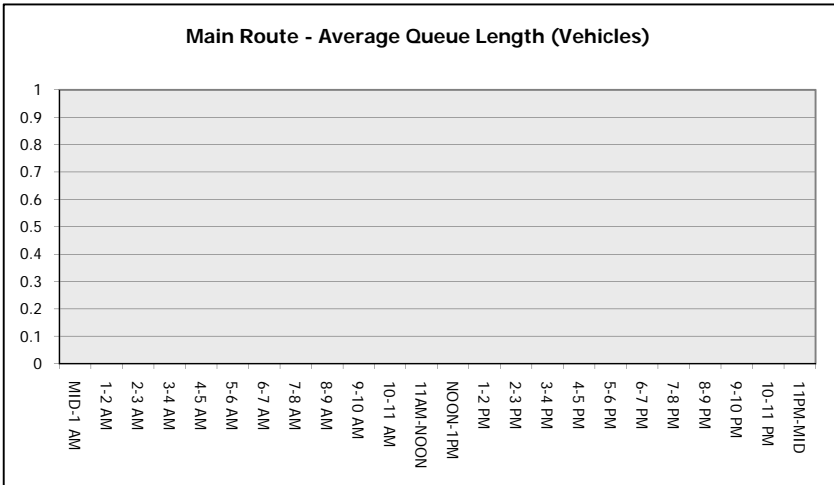
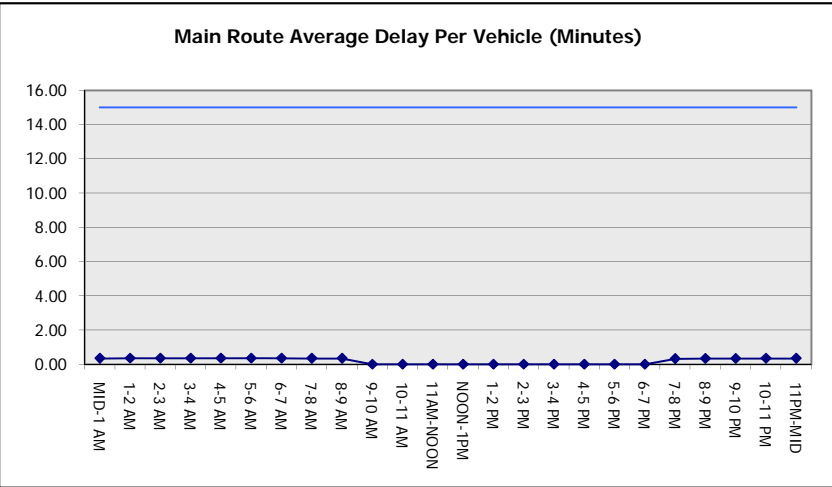
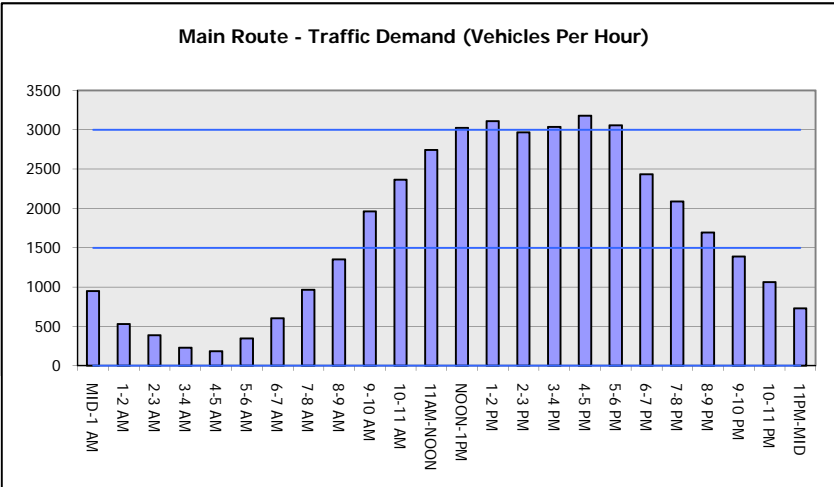
*Delays Exceeding User-Specified Maximum

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AUGUST
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY 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

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	710	0.0	3000	710	0	0.36	0	69.9	63.6	49.7
1-2 AM	404	0.0	3000	404	0	0.36	0	70.2	63.8	49.7
2-3 AM	273	0.0	3000	273	0	0.36	0	70.2	63.8	49.7
3-4 AM	198	0.0	3000	198	0	0.36	0	70.2	63.8	49.7
4-5 AM	245	0.0	3000	245	0	0.36	0	70.2	63.8	49.7
5-6 AM	349	0.0	3000	349	0	0.36	0	70.2	63.8	49.7
6-7 AM	618	0.0	3000	618	0	0.36	0	70.0	63.7	49.7
7-8 AM	877	0.0	3000	877	0	0.35	0	69.6	63.5	49.7
8-9 AM	1365	0.0	3000	1365	0	0.34	0	69.1	63.1	49.7
9-10 AM	2306	0.0	OFF	2306	0	0.00	0	67.9	67.9	67.9
10-11 AM	3422	0.0	OFF	3422	0	0.00	0	66.5	66.5	66.5
11AM-NOON	4209	0.0	OFF	4209	0	0.00	0	62.1	62.1	62.1
NOON-1PM	4206	0.0	OFF	4206	0	0.00	0	62.1	62.1	62.1
1-2 PM	3955	0.0	OFF	3955	0	0.00	0	63.8	63.8	63.8
2-3 PM	3994	0.0	OFF	3994	0	0.00	0	63.6	63.6	63.6
3-4 PM	3798	0.0	OFF	3798	0	0.00	0	64.9	64.9	64.9
4-5 PM	3894	0.0	OFF	3894	0	0.00	0	64.3	64.3	64.3
5-6 PM	3652	0.0	OFF	3652	0	0.00	0	65.9	65.9	65.9
6-7 PM	3428	0.0	OFF	3428	0	0.00	0	66.4	66.4	66.4
7-8 PM	2872	0.0	3000	2872	0	0.65	0	67.2	57.3	39.3
8-9 PM	2636	0.0	3000	2636	0	0.49	0	67.4	59.6	43.7
9-10 PM	1891	0.0	3000	1891	0	0.34	0	68.4	62.7	49.7
10-11 PM	1152	0.0	3000	1152	0	0.35	0	69.3	63.2	49.7
11PM-MID	678	0.0	3000	678	0	0.36	0	69.9	63.6	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	0.0342
MAIN ROUTE WITH WORKS	0.0332
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$30,921
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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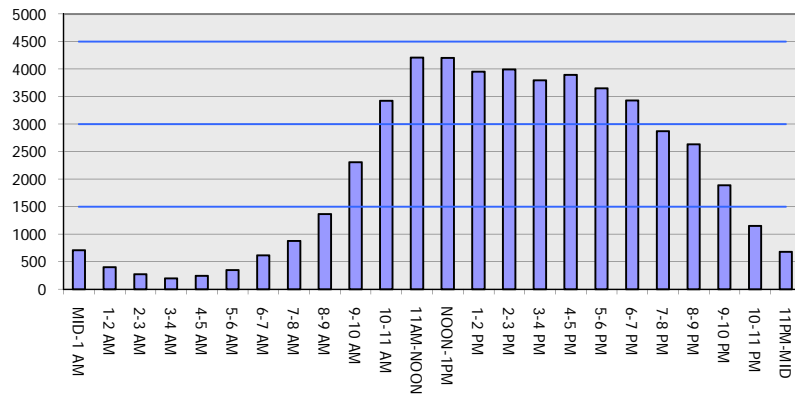
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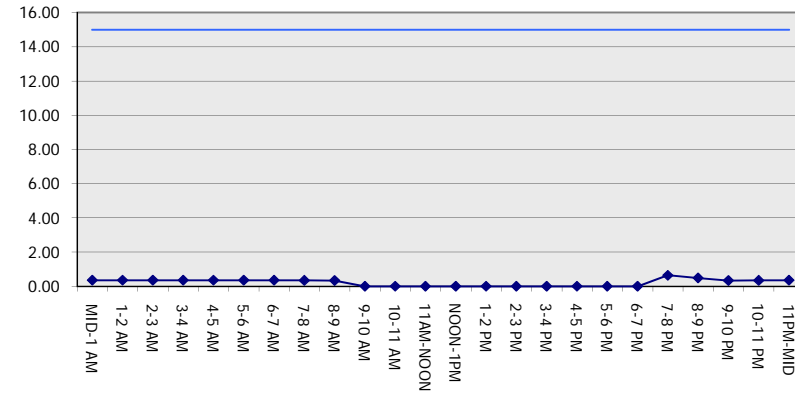
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY EASTBOUND DIRECTION

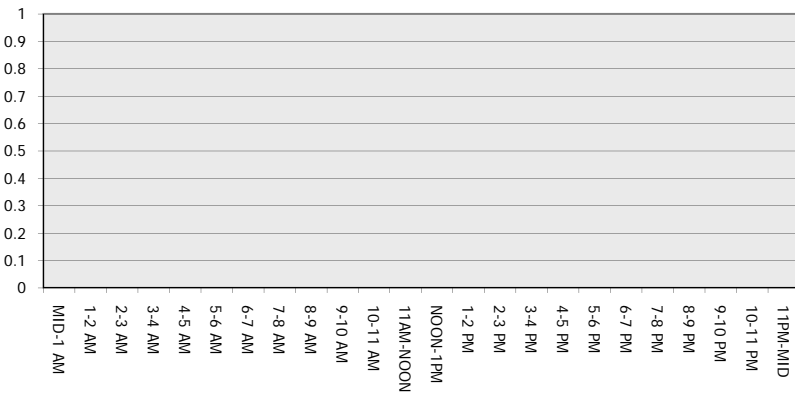
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

