

<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
	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	762	0.0	3000	762	0	0.35	0	69.8	63.5	49.7
1-2 AM	460	0.0	3000	460	0	0.36	0	70.2	63.8	49.7
2-3 AM	380	0.0	3000	380	0	0.36	0	70.2	63.8	49.7
3-4 AM	307	0.0	3000	307	0	0.36	0	70.2	63.8	49.7
4-5 AM	377	0.0	3000	377	0	0.36	0	70.2	63.8	49.7
5-6 AM	645	0.0	3000	645	0	0.36	0	69.9	63.7	49.7
6-7 AM	1240	0.0	3000	1240	0	0.35	0	69.2	63.2	49.7
7-8 AM	2498	0.0	2999	2498	0	0.45	0	67.6	60.3	45.3
8-9 AM	3444	0.0	OFF	3444	0	0.00	0	66.4	66.4	66.4
9-10 AM	3059	0.0	OFF	3059	0	0.00	0	66.9	66.9	66.9
10-11 AM	3248	0.0	OFF	3248	0	0.00	0	66.7	66.7	66.7
11AM-NOON	3483	0.0	OFF	3483	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3725	0.0	OFF	3725	0	0.00	0	65.4	65.4	65.4
1-2 PM	3657	0.0	OFF	3657	0	0.00	0	65.9	65.9	65.9
2-3 PM	3662	0.0	OFF	3662	0	0.00	0	65.8	65.8	65.8
3-4 PM	3787	0.0	OFF	3787	0	0.00	0	65.0	65.0	65.0
4-5 PM	3679	0.0	OFF	3679	0	0.00	0	65.7	65.7	65.7
5-6 PM	3321	0.0	OFF	3321	0	0.00	0	66.6	66.6	66.6
6-7 PM	2814	0.0	3000	2814	0	0.61	0	67.3	57.9	40.3
7-8 PM	2321	0.0	3000	2321	0	0.33	0	67.9	62.3	49.7
8-9 PM	1968	0.0	3000	1968	0	0.34	0	68.3	62.6	49.7
9-10 PM	1886	0.0	3000	1886	0	0.34	0	68.4	62.7	49.7
10-11 PM	1694	0.0	3000	1694	0	0.34	0	68.6	62.8	49.7
11PM-MID	1190	0.0	3000	1190	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	0.0358
MAIN ROUTE WITH WORKS	0.0346
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,016
CONGESTED HOURS PER DAY*	0

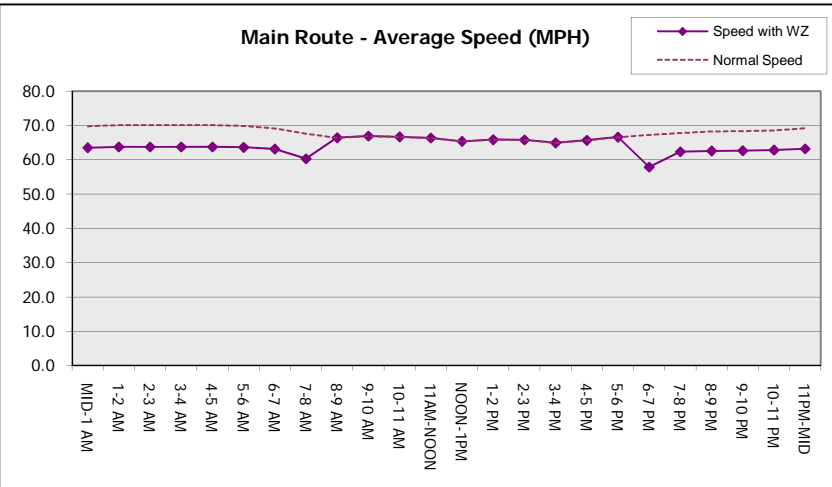
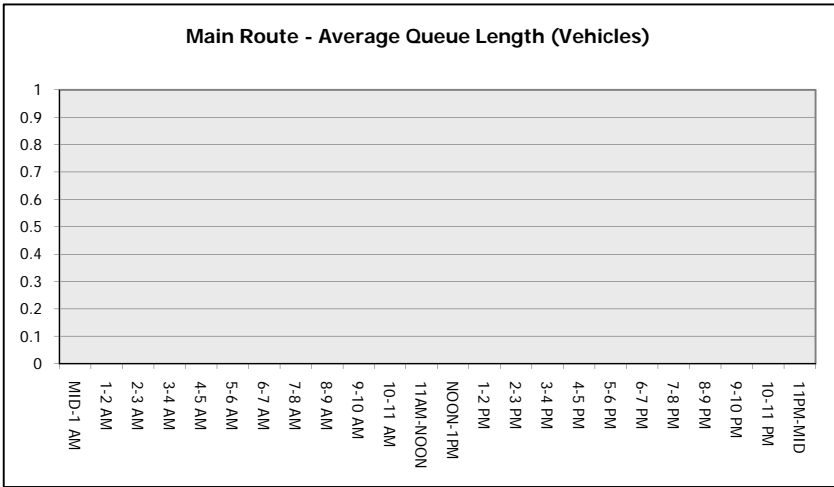
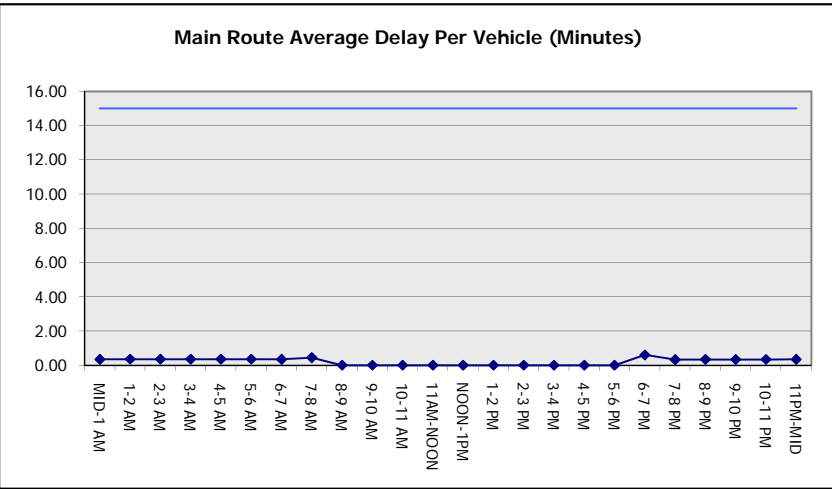
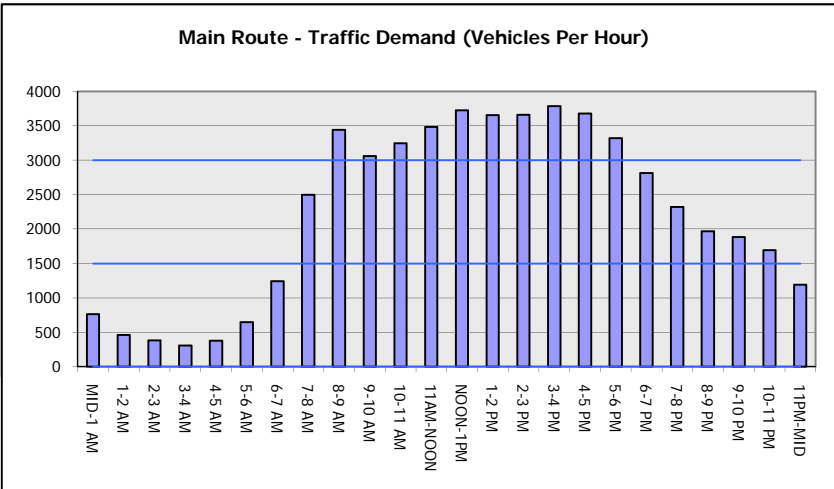
\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**OCTOBER**  
Analyzed for 2009  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**SATURDAY WESTBOUND DIRECTION**



<b>IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>OCTOBER</b>
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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	581	0.0	3000	581	0	0.36	0	70.0	63.7	49.7
1-2 AM	327	0.0	3000	327	0	0.36	0	70.2	63.8	49.7
2-3 AM	286	0.0	3000	286	0	0.36	0	70.2	63.8	49.7
3-4 AM	251	0.0	3000	251	0	0.36	0	70.2	63.8	49.7
4-5 AM	366	0.0	3000	366	0	0.36	0	70.2	63.8	49.7
5-6 AM	715	0.0	3000	715	0	0.36	0	69.9	63.6	49.7
6-7 AM	1082	0.0	3000	1082	0	0.35	0	69.4	63.3	49.7
7-8 AM	1651	0.0	3000	1651	0	0.34	0	68.7	62.8	49.7
8-9 AM	2444	0.0	OFF	2444	0	0.00	0	67.7	67.7	67.7
9-10 AM	2923	0.0	OFF	2923	0	0.00	0	67.1	67.1	67.1
10-11 AM	3375	0.0	OFF	3375	0	0.00	0	66.5	66.5	66.5
11AM-NOON	3671	0.0	OFF	3671	0	0.00	0	65.8	65.8	65.8
NOON-1PM	3647	0.0	OFF	3647	0	0.00	0	66.0	66.0	66.0
1-2 PM	3472	0.0	OFF	3472	0	0.00	0	66.4	66.4	66.4
2-3 PM	3525	0.0	OFF	3525	0	0.00	0	66.4	66.4	66.4
3-4 PM	3859	0.0	OFF	3859	0	0.00	0	64.5	64.5	64.5
4-5 PM	4016	0.0	OFF	4016	0	0.00	0	63.4	63.4	63.4
5-6 PM	3878	0.0	OFF	3878	0	0.00	0	64.3	64.3	64.3
6-7 PM	3504	0.0	2999	3504	0	5.44	290	66.4	27.3	37.3
7-8 PM	2640	0.0	2999	2640	0	7.02	367	67.4	23.4	38.7
8-9 PM	2115	0.0	3000	2115	0	0.52	13	68.1	59.7	49.7
9-10 PM	1863	0.0	3000	1863	0	0.34	0	68.4	62.7	49.7
10-11 PM	1557	0.0	3000	1557	0	0.34	0	68.8	62.9	49.7
11PM-MID	1184	0.0	3000	1184	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	0.0354
MAIN ROUTE WITH WORKS	0.0342
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$11,488
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT  
SATURDAY EASTBOUND DIRECTION**

