

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	413	0.0	1500	413	0	0.52	0	70.2	61.2	43.8	
1-2 AM	273	0.0	1500	273	0	0.51	0	70.2	61.5	44.4	
2-3 AM	209	0.0	1500	209	0	0.50	0	70.2	61.6	44.6	
3-4 AM	267	0.0	1500	267	0	0.50	0	70.2	61.5	44.4	
4-5 AM	423	0.0	1500	423	0	0.52	0	70.2	61.2	43.8	
5-6 AM	1197	0.0	OFF	1197	0	0.00	0	69.2	69.2	69.2	
6-7 AM	2834	0.0	OFF	2834	0	0.00	0	67.2	67.2	67.2	
7-8 AM	3997	0.0	OFF	3997	0	0.00	0	63.5	63.5	63.5	
8-9 AM	3690	0.0	OFF	3690	0	0.00	0	65.6	65.6	65.6	
9-10 AM	2847	0.0	OFF	2847	0	0.00	0	67.2	67.2	67.2	
10-11 AM	2775	0.0	OFF	2775	0	0.00	0	67.3	67.3	67.3	
11AM-NOON	3157	0.0	OFF	3157	0	0.00	0	66.8	66.8	66.8	
NOON-1PM	3386	0.0	OFF	3386	0	0.00	0	66.5	66.5	66.5	
1-2 PM	3467	0.0	OFF	3467	0	0.00	0	66.4	66.4	66.4	
2-3 PM	3990	0.0	OFF	3990	0	0.00	0	63.6	63.6	63.6	
3-4 PM	5107	0.0	OFF	5107	0	0.00	0	56.0	56.0	56.0	
4-5 PM	5669	0.0	OFF	5669	0	0.00	0	52.1	52.1	52.1	
5-6 PM	5711	0.0	OFF	5711	0	0.00	0	51.9	51.9	51.9	
6-7 PM	3943	0.0	OFF	3943	0	0.00	0	63.9	63.9	63.9	
7-8 PM	2652	0.0	1499	1659	992	14.16+	358	67.4	14.1	35.8	
8-9 PM	2235	0.0	1499	1672	563	14.41+	364	67.9	13.9	33.3	
9-10 PM	1994	0.0	1499	1546	448	16.14+	394	68.2	12.7	30.8	
10-11 PM	1388	0.0	1500	1388	0	14.68+	358	69.0	13.7	30.8	
11PM-MID	799	0.0	1500	799	0	1.85	60	69.7	46.1	41.7	

"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	0.0417
MAIN ROUTE WITH WORKS	0.0398
'DIVERSION'	0.0031
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$845
CONGESTED HOURS PER DAY*	4

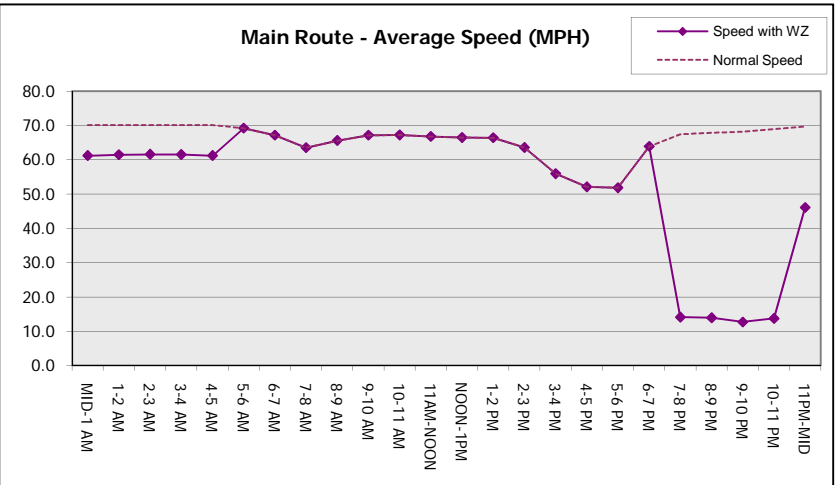
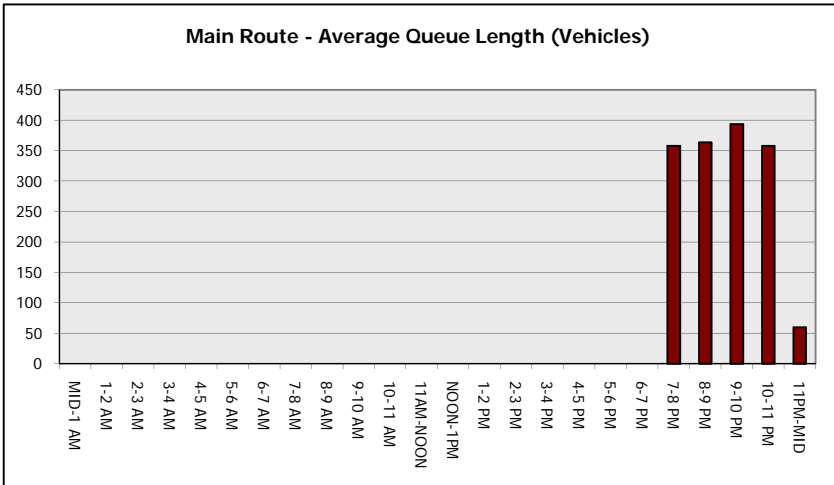
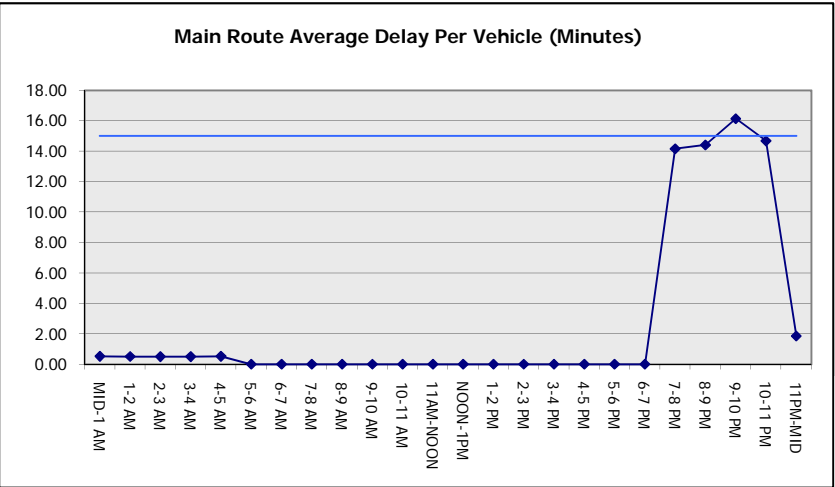
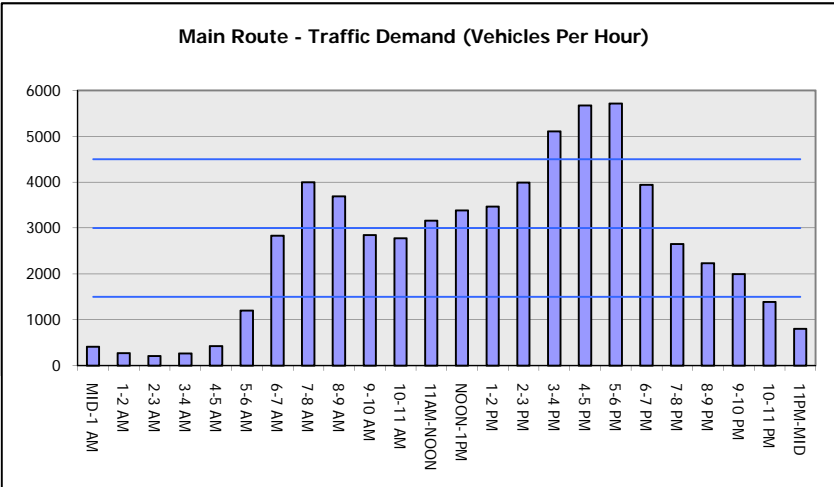
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

MON-THUR WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	313	0.0	1500	313	0	0.51	0	70.2	61.4	44.2
1-2 AM	222	0.0	1500	222	0	0.50	0	70.2	61.6	44.6
2-3 AM	204	0.0	1500	204	0	0.50	0	70.2	61.7	44.6
3-4 AM	239	0.0	1500	239	0	0.50	0	70.2	61.5	44.5
4-5 AM	640	0.0	1500	640	0	0.55	0	69.9	60.7	43.0
5-6 AM	2094	0.0	OFF	2094	0	0.00	0	68.1	68.1	68.1
6-7 AM	4905	0.0	OFF	4905	0	0.00	0	57.3	57.3	57.3
7-8 AM	5751	0.0	OFF	5751	0	0.00	0	51.5	51.5	51.5
8-9 AM	4680	0.0	OFF	4680	0	0.00	0	58.9	58.9	58.9
9-10 AM	3515	0.0	OFF	3515	0	0.00	0	66.4	66.4	66.4
10-11 AM	3222	0.0	OFF	3222	0	0.00	0	66.8	66.8	66.8
11AM-NOON	3351	0.0	OFF	3351	0	0.00	0	66.6	66.6	66.6
NOON-1PM	3317	0.0	OFF	3317	0	0.00	0	66.6	66.6	66.6
1-2 PM	3276	0.0	OFF	3276	0	0.00	0	66.6	66.6	66.6
2-3 PM	3489	0.0	OFF	3489	0	0.00	0	66.4	66.4	66.4
3-4 PM	4153	0.0	OFF	4153	0	0.00	0	62.5	62.5	62.5
4-5 PM	4475	0.0	OFF	4475	0	0.00	0	60.3	60.3	60.3
5-6 PM	4436	0.0	OFF	4436	0	0.00	0	60.5	60.5	60.5
6-7 PM	3150	0.0	OFF	3150	0	0.00	0	66.8	66.8	66.8
7-8 PM	2217	0.0	1499	1935	282	12.13+	308	68.0	15.9	30.8
8-9 PM	1922	0.0	1500	1499	423	16.35+	399	68.4	12.5	30.8
9-10 PM	1520	0.0	1499	1411	110	15.62+	380	68.9	13.0	30.8
10-11 PM	974	0.0	1499	974	0	3.63	135	69.6	34.7	37.8
11PM-MID	658	0.0	1500	658	0	0.55	0	69.9	60.7	42.9

"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	0.0419
MAIN ROUTE WITH WORKS	0.0408
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$589
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

