

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 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	3000	794	0	0.35	0	69.7	63.5	49.7
1-2 AM	464	0.0	3000	464	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	303	0.0	3000	303	0	0.36	0	70.2	63.8	49.7
4-5 AM	382	0.0	3000	382	0	0.36	0	70.2	63.8	49.7
5-6 AM	664	0.0	3000	664	0	0.36	0	69.9	63.7	49.7
6-7 AM	1303	0.0	3000	1303	0	0.35	0	69.1	63.1	49.7
7-8 AM	2134	0.0	3000	2134	0	0.33	0	68.1	62.5	49.7
8-9 AM	2646	0.0	2999	2646	0	0.50	0	67.4	59.6	43.7
9-10 AM	2975	0.0	2999	2975	0	0.83	7	67.1	55.0	38.1
10-11 AM	3358	0.0	3000	3358	0	3.77	188	66.6	33.3	37.3
11AM-NOON	3695	0.0	3000	3345	350	12.47+	672	65.6	15.5	37.3
NOON-1PM	3939	0.0	3000	3011	928	15.19+	806	64.0	13.4	37.3
1-2 PM	3681	0.0	3000	3003	678	15.28+	805	65.7	13.4	37.3
2-3 PM	3640	0.0	3000	3002	638	15.29+	805	66.0	13.4	37.3
3-4 PM	3693	0.0	3000	3002	691	15.27+	805	65.6	13.4	37.3
4-5 PM	3597	0.0	3000	3002	595	15.31+	805	66.3	13.4	37.3
5-6 PM	3208	0.0	3000	3058	150	15.20+	798	66.8	13.4	37.3
6-7 PM	2656	0.0	2999	2656	0	12.80+	674	67.4	15.3	37.3
7-8 PM	2133	0.0	2999	2133	0	1.90	137	68.1	45.0	47.3
8-9 PM	2106	0.0	3000	2106	0	0.33	0	68.1	62.5	49.7
9-10 PM	2308	0.0	3000	2308	0	0.33	0	67.9	62.3	49.7
10-11 PM	1642	0.0	3000	1642	0	0.34	0	68.7	62.8	49.7
11PM-MID	1122	0.0	3000	1122	0	0.35	0	69.4	63.3	49.7

+ 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	0.0294
'DIVERSION'	0.0062
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$122,432
CONGESTED HOURS PER DAY*	8

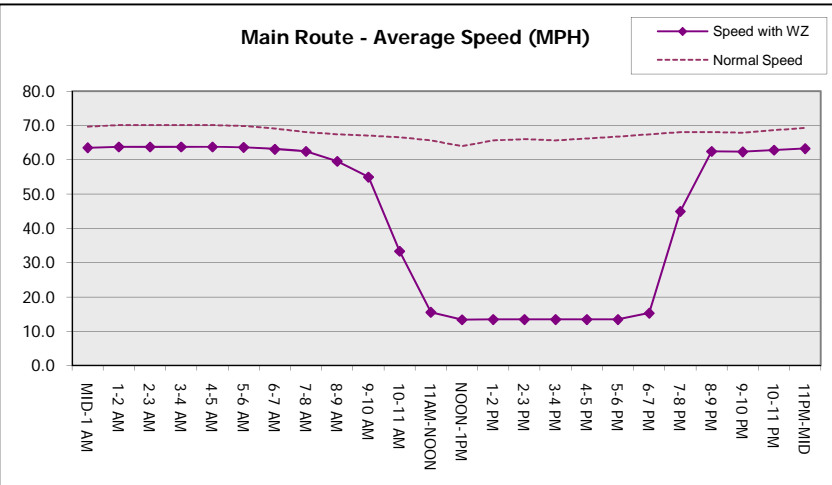
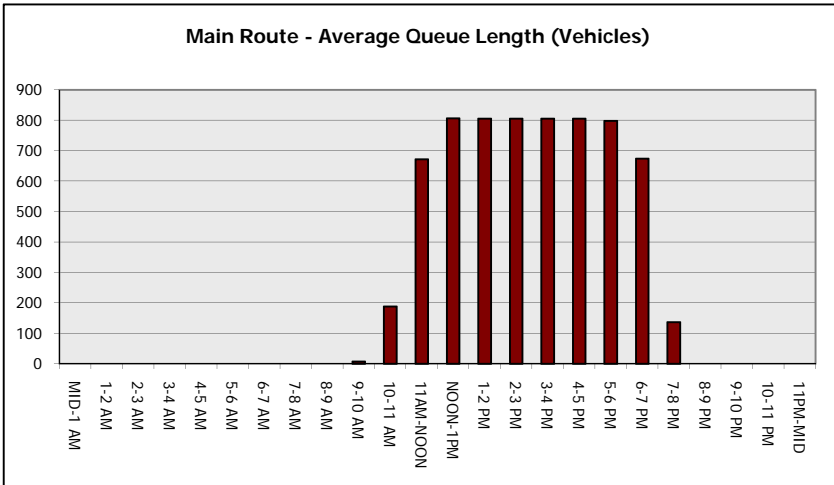
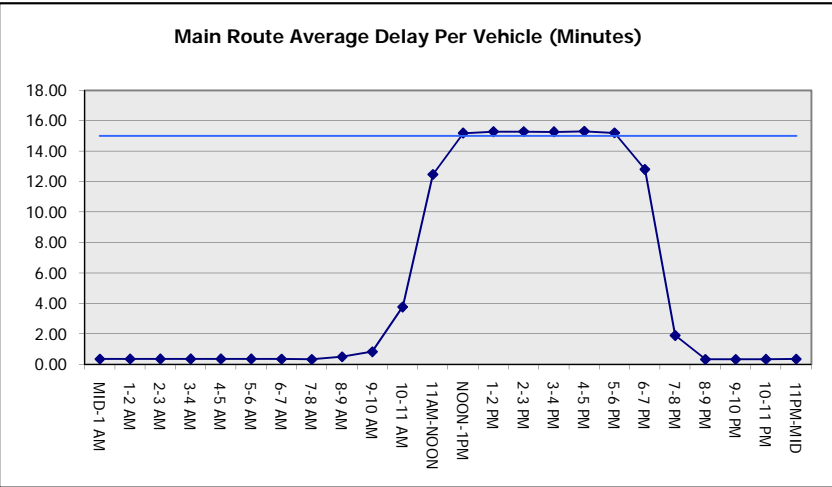
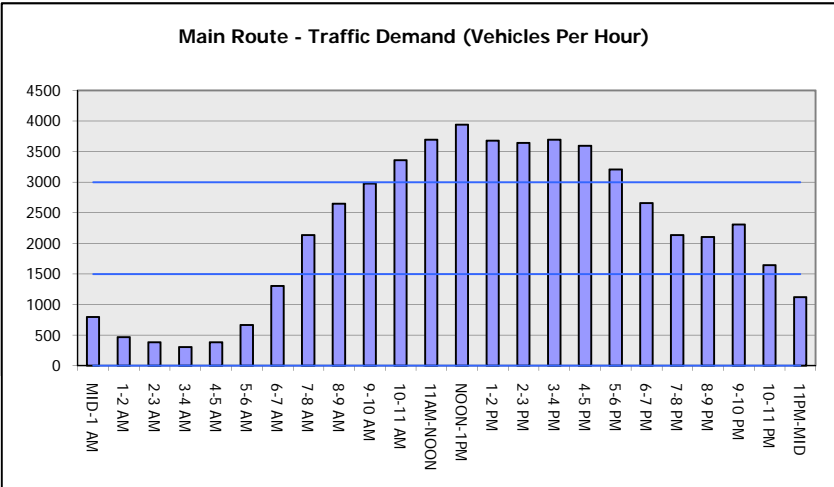
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 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	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	272	0.0	3000	272	0	0.36	0	70.2	63.8	49.7
3-4 AM	226	0.0	3000	226	0	0.36	0	70.2	63.8	49.7
4-5 AM	337	0.0	3000	337	0	0.36	0	70.2	63.8	49.7
5-6 AM	649	0.0	3000	649	0	0.36	0	69.9	63.7	49.7
6-7 AM	1056	0.0	3000	1056	0	0.35	0	69.4	63.3	49.7
7-8 AM	1632	0.0	3000	1632	0	0.34	0	68.7	62.8	49.7
8-9 AM	2426	0.0	2999	2426	0	0.40	0	67.7	61.2	47.1
9-10 AM	3011	0.0	2999	3011	0	0.95	15	67.0	53.5	38.0
10-11 AM	3300	0.0	3000	3300	0	3.93	191	66.6	32.7	37.3
11AM-NOON	3615	0.0	3000	3467	149	11.75+	633	66.1	16.3	37.3
NOON-1PM	3724	0.0	3000	2999	725	15.26+	805	65.4	13.4	37.3
1-2 PM	3643	0.0	3000	2999	644	15.29+	805	66.0	13.4	37.3
2-3 PM	3801	0.0	3000	2999	801	15.23+	805	64.9	13.4	37.3
3-4 PM	3779	0.0	3000	2999	780	15.23+	805	65.0	13.4	37.3
4-5 PM	3845	0.0	3000	2999	845	15.21+	805	64.6	13.4	37.3
5-6 PM	3469	0.0	3000	2999	470	15.31+	805	66.4	13.4	37.3
6-7 PM	2863	0.0	2999	2827	36	14.47+	758	67.2	13.9	37.3
7-8 PM	2323	0.0	2999	2323	0	5.34	336	67.9	27.8	42.2
8-9 PM	2056	0.0	3000	2056	0	0.33	0	68.2	62.5	49.7
9-10 PM	1849	0.0	3000	1849	0	0.34	0	68.4	62.7	49.7
10-11 PM	1444	0.0	3000	1444	0	0.34	0	68.9	63.0	49.7
11PM-MID	1092	0.0	3000	1092	0	0.35	0	69.4	63.3	49.7

+ 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	0.0283
'DIVERSION'	0.0069

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$127,890
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

