

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	950	0	0.58	0	69.6	59.9	41.9
1-2 AM	530	0.0	1500	530	0	0.54	0	70.0	61.0	43.4
2-3 AM	387	0.0	1500	387	0	0.52	0	70.2	61.3	44.0
3-4 AM	229	0.0	1500	229	0	0.50	0	70.2	61.6	44.6
4-5 AM	185	0.0	1500	185	0	0.49	0	70.2	61.7	44.7
5-6 AM	347	0.0	1500	347	0	0.51	0	70.2	61.4	44.1
6-7 AM	602	0.0	1500	602	0	0.54	0	70.0	60.8	43.1
7-8 AM	965	0.0	1500	965	0	0.58	0	69.6	59.9	41.8
8-9 AM	1350	0.0	1499	1350	0	0.90	0	69.1	55.5	34.5
9-10 AM	1963	0.0	1499	1963	0	7.05	199	68.3	23.5	30.8
10-11 AM	2366	0.0	1500	1500	866	16.32+	400	67.8	12.5	30.8
11AM-NOON	2745	0.0	1500	1500	1245	16.29+	400	67.3	12.5	30.8
NOON-1PM	3023	0.0	1500	1500	1523	16.27+	400	67.0	12.5	30.8
1-2 PM	3110	0.0	1500	1500	1610	16.27+	400	66.9	12.5	30.8
2-3 PM	2966	0.0	1500	1500	1466	16.28+	400	67.1	12.5	30.8
3-4 PM	3038	0.0	1500	1500	1538	16.27+	400	66.9	12.5	30.8
4-5 PM	3178	0.0	1500	1500	1678	16.26+	400	66.8	12.5	30.8
5-6 PM	3058	0.0	1500	1500	1558	16.27+	400	66.9	12.5	30.8
6-7 PM	2434	0.0	1500	1500	934	16.31+	400	67.7	12.5	30.8
7-8 PM	2088	0.0	1500	1468	619	16.22+	396	68.1	12.7	30.8
8-9 PM	1693	0.0	1499	1463	230	16.21+	396	68.6	12.7	30.8
9-10 PM	1389	0.0	1499	1389	0	14.71+	358	69.0	13.7	30.8
10-11 PM	1062	0.0	1499	1062	0	3.21	107	69.4	36.8	37.4
11PM-MID	728	0.0	1500	728	0	0.56	0	69.8	60.5	42.7

+ 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	0.0270
MAIN ROUTE WITH WORKS	0.0163
'DIVERSION'	0.0205
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$145,665
CONGESTED HOURS PER DAY*	12

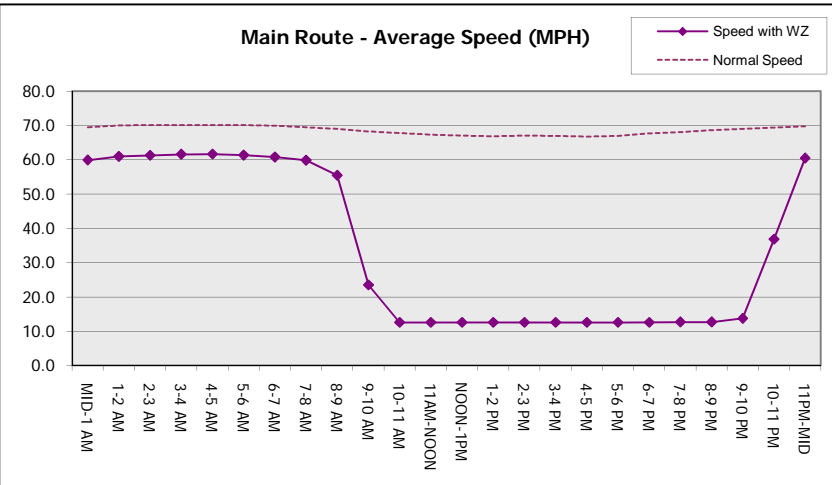
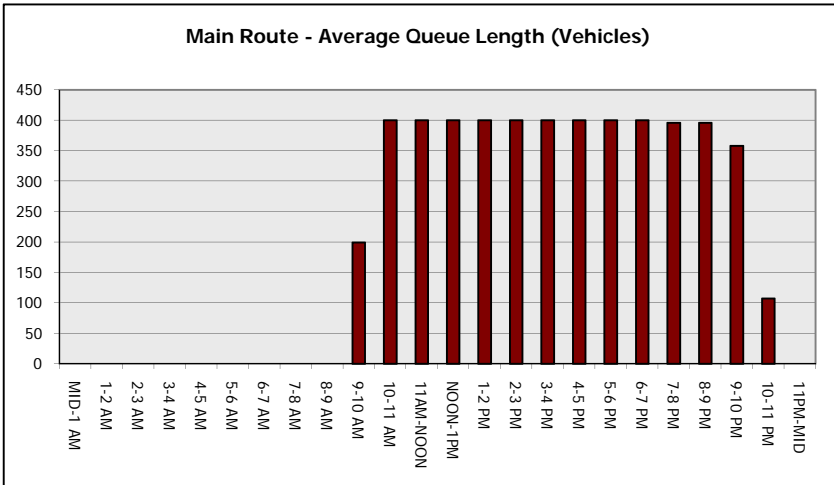
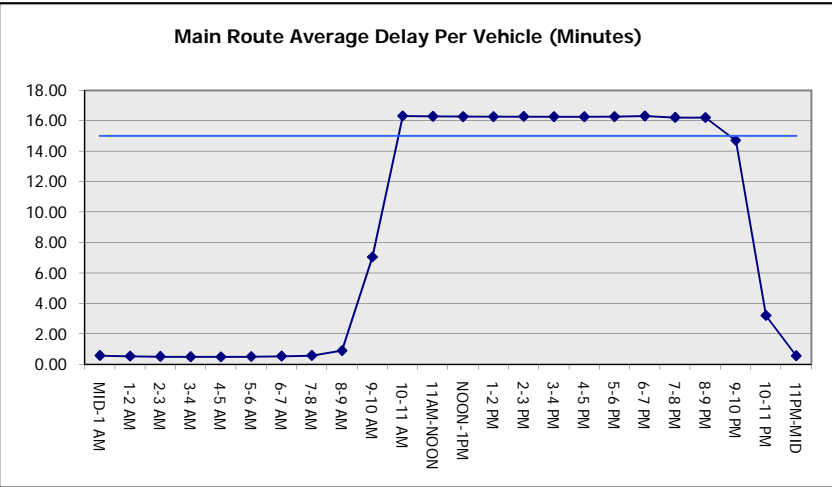
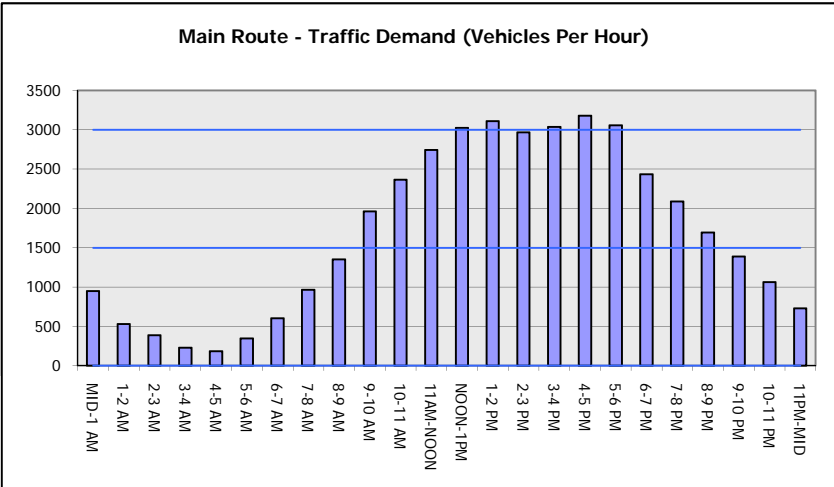
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	710	0	0.56	0	69.9	60.5	42.7
1-2 AM	404	0.0	1500	404	0	0.52	0	70.2	61.3	43.9
2-3 AM	273	0.0	1500	273	0	0.51	0	70.2	61.5	44.4
3-4 AM	198	0.0	1500	198	0	0.50	0	70.2	61.7	44.7
4-5 AM	245	0.0	1500	245	0	0.50	0	70.2	61.5	44.5
5-6 AM	349	0.0	1500	349	0	0.52	0	70.2	61.4	44.1
6-7 AM	618	0.0	1500	618	0	0.55	0	70.0	60.7	43.0
7-8 AM	877	0.0	1500	877	0	0.57	0	69.6	60.1	42.1
8-9 AM	1365	0.0	1499	1365	0	1.06	5	69.1	53.5	34.8
9-10 AM	2306	0.0	1500	1774	532	10.21+	279	67.9	18.1	32.0
10-11 AM	3422	0.0	1500	1500	1922	16.10+	400	66.5	12.7	33.3
11AM-NOON	4209	0.0	1500	1500	2709	15.83+	400	62.1	12.7	33.3
NOON-1PM	4206	0.0	1500	1500	2706	15.83+	400	62.1	12.7	33.3
1-2 PM	3955	0.0	1500	1500	2455	15.94+	400	63.8	12.7	33.3
2-3 PM	3994	0.0	1500	1500	2494	15.92+	400	63.6	12.7	33.3
3-4 PM	3798	0.0	1500	1500	2298	16.00+	400	64.9	12.7	33.3
4-5 PM	3894	0.0	1500	1500	2394	15.96+	400	64.3	12.7	33.3
5-6 PM	3652	0.0	1500	1500	2152	16.06+	400	65.9	12.7	33.3
6-7 PM	3428	0.0	1500	1500	1928	16.10+	400	66.4	12.7	33.3
7-8 PM	2872	0.0	1500	1500	1372	16.13+	400	67.2	12.7	33.3
8-9 PM	2636	0.0	1500	1508	1129	16.14+	399	67.4	12.7	33.0
9-10 PM	1891	0.0	1500	1576	315	16.04+	392	68.4	12.8	30.8
10-11 PM	1152	0.0	1499	1152	0	8.94	243	69.3	20.1	34.3
11PM-MID	678	0.0	1500	678	0	0.57	0	69.9	60.3	42.8

+ 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	0.0342
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0378

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$196,642
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

