

IH 94: CTH O TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	943	0.0	1500	943	0	0.58	0	69.6	57.1	41.9	
1-2 AM	635	0.0	1500	635	0	0.55	0	69.9	58.0	43.0	
2-3 AM	602	0.0	1500	602	0	0.54	0	70.0	58.1	43.1	
3-4 AM	331	0.0	1500	331	0	0.51	0	70.2	58.8	44.2	
4-5 AM	280	0.0	1500	280	0	0.51	0	70.2	58.9	44.3	
5-6 AM	462	0.0	1500	462	0	0.53	0	70.2	58.5	43.7	
6-7 AM	846	0.0	1500	846	0	0.57	0	69.7	57.4	42.2	
7-8 AM	1340	0.0	1499	1340	0	0.88	0	69.1	52.0	34.7	
8-9 AM	1778	0.0	1499	1778	0	3.80	96	68.5	28.6	30.8	
9-10 AM	2695	0.0	1499	1552	1143	16.11+	395	67.4	9.9	31.0	
10-11 AM	3031	0.0	1499	1500	1531	16.28+	400	66.9	9.7	31.1	
11AM-NOON	3080	0.0	1499	1500	1580	16.27+	400	66.9	9.7	31.1	
NOON-1PM	3584	0.0	1500	1500	2084	16.25+	400	66.3	9.7	31.1	
1-2 PM	3922	0.0	1499	1500	2422	16.15+	400	64.1	9.7	31.1	
2-3 PM	3632	0.0	1500	1500	2132	16.24+	400	66.1	9.7	31.1	
3-4 PM	3864	0.0	1500	1500	2364	16.17+	400	64.5	9.7	31.1	
4-5 PM	3898	0.0	1500	1500	2398	16.16+	400	64.2	9.7	31.1	
5-6 PM	3746	0.0	1500	1500	2246	16.20+	400	65.3	9.7	31.1	
6-7 PM	2910	0.0	1500	1500	1410	16.28+	400	67.1	9.7	31.1	
7-8 PM	2171	0.0	1500	1524	647	16.23+	397	68.1	9.8	31.0	
8-9 PM	1774	0.0	1499	1555	219	16.11+	393	68.6	9.9	30.8	
9-10 PM	1241	0.0	1499	1241	0	11.98+	300	69.2	12.7	31.5	
10-11 PM	1080	0.0	1500	1080	0	1.42	32	69.4	45.3	39.2	
11PM-MID	655	0.0	1500	655	0	0.55	0	69.9	57.9	42.9	

+ 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

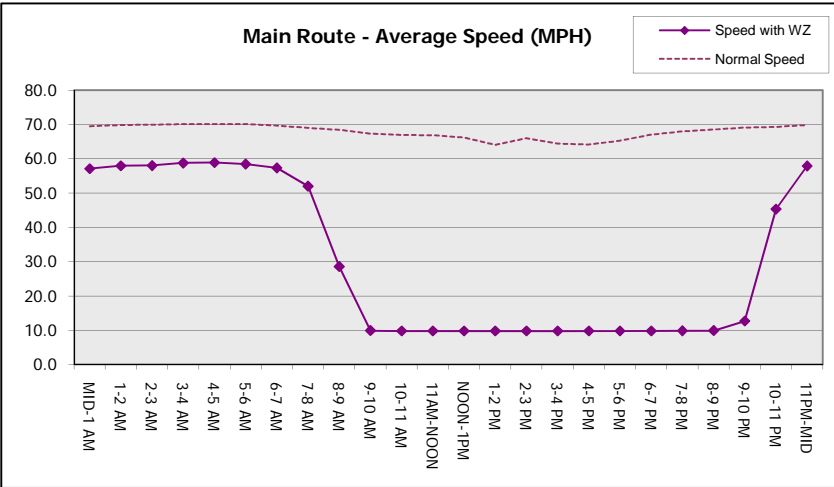
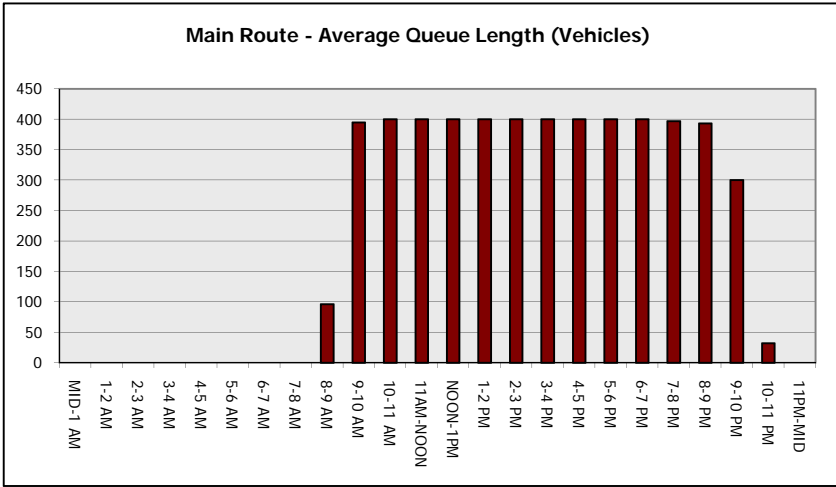
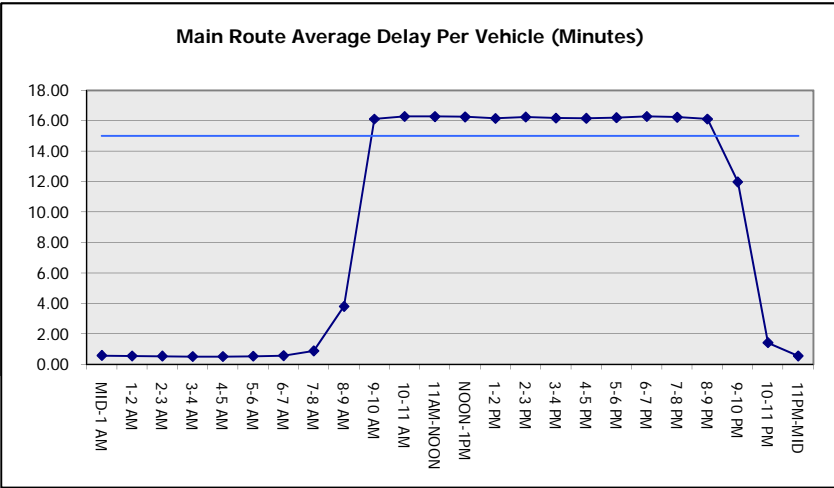
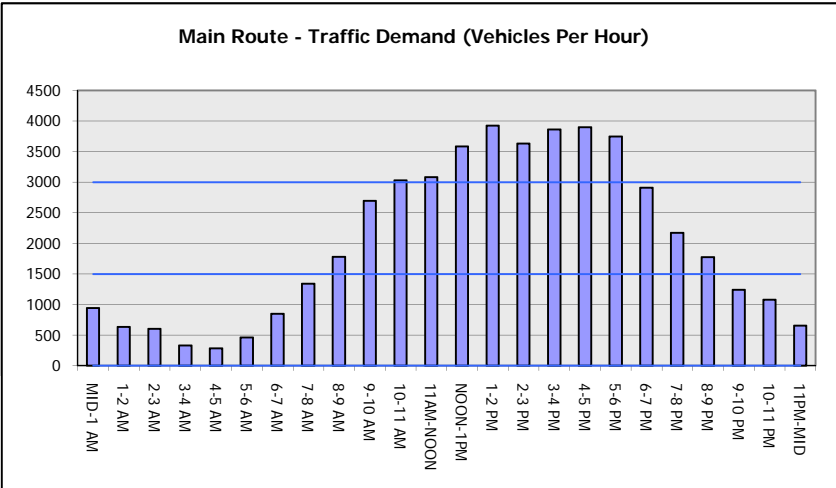
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0239
MAIN ROUTE WITH WORKS	0.0121
'DIVERSION'	0.0231
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$180,240
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



IH 94: CTH 0 TO STH 100 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	849	0.0	1500	849	0	0.57	0	69.7	57.4	42.2	
1-2 AM	501	0.0	1500	501	0	0.53	0	70.1	58.4	43.5	
2-3 AM	362	0.0	1500	362	0	0.52	0	70.2	58.7	44.0	
3-4 AM	237	0.0	1500	237	0	0.50	0	70.2	59.0	44.5	
4-5 AM	253	0.0	1500	253	0	0.50	0	70.2	59.0	44.5	
5-6 AM	362	0.0	1500	362	0	0.52	0	70.2	58.7	44.0	
6-7 AM	707	0.0	1500	707	0	0.56	0	69.9	57.8	42.7	
7-8 AM	1027	0.0	1499	1027	0	0.60	0	69.4	56.7	41.3	
8-9 AM	1582	0.0	1499	1582	0	1.93	32	68.7	40.1	31.8	
9-10 AM	2449	0.0	1500	1823	626	14.13+	357	67.7	11.0	32.2	
10-11 AM	2940	0.0	1499	1500	1440	16.30+	399	67.1	9.7	30.8	
11AM-NOON	3433	0.0	1500	1500	1933	16.28+	400	66.4	9.7	30.8	
NOON-1PM	3609	0.0	1500	1500	2109	16.27+	400	66.2	9.7	30.8	
1-2 PM	3887	0.0	1500	1500	2387	16.18+	400	64.3	9.7	30.8	
2-3 PM	3632	0.0	1500	1500	2132	16.26+	400	66.1	9.7	30.8	
3-4 PM	3801	0.0	1500	1500	2301	16.21+	400	64.9	9.7	30.8	
4-5 PM	3312	0.0	1500	1500	1812	16.29+	400	66.6	9.7	30.8	
5-6 PM	3664	0.0	1500	1500	2164	16.25+	400	65.8	9.7	30.8	
6-7 PM	3587	0.0	1500	1500	2087	16.27+	400	66.3	9.7	30.8	
7-8 PM	2750	0.0	1500	1500	1250	16.31+	400	67.3	9.7	30.8	
8-9 PM	2271	0.0	1500	1500	771	16.34+	400	67.9	9.7	30.8	
9-10 PM	1537	0.0	1499	1382	155	15.26+	371	68.8	10.4	30.8	
10-11 PM	1235	0.0	1499	1235	0	8.95	228	69.2	16.0	32.6	
11PM-MID	698	0.0	1500	698	0	0.64	3	69.9	56.3	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	0.0240
MAIN ROUTE WITH WORKS	0.0118
'DIVERSION'	0.0242

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$187,797
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

