

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) 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	260	0.0	3000	260	0	0.36	0	70.2	63.3	49.7
1-2 AM	194	0.0	3000	194	0	0.36	0	70.2	63.3	49.7
2-3 AM	153	0.0	3000	153	0	0.36	0	70.2	63.3	49.7
3-4 AM	191	0.0	3000	191	0	0.36	0	70.2	63.3	49.7
4-5 AM	324	0.0	3000	324	0	0.36	0	70.2	63.3	49.7
5-6 AM	747	0.0	3000	747	0	0.35	0	69.8	63.2	49.7
6-7 AM	1690	0.0	3000	1690	0	0.34	0	68.6	62.4	49.7
7-8 AM	2403	0.0	3000	2403	0	0.34	0	67.8	61.7	49.2
8-9 AM	2252	0.0	3000	2252	0	0.33	0	67.9	62.0	49.7
9-10 AM	1918	0.0	3000	1918	0	0.34	0	68.4	62.2	49.7
10-11 AM	1890	0.0	3000	1890	0	0.34	0	68.4	62.3	49.7
11AM-NOON	1998	0.0	3000	1998	0	0.33	0	68.2	62.2	49.7
NOON-1PM	2159	0.0	3000	2159	0	0.33	0	68.1	62.0	49.7
1-2 PM	2102	0.0	3000	2102	0	0.33	0	68.1	62.1	49.7
2-3 PM	2533	0.0	2999	2533	0	0.42	0	67.6	60.2	46.3
3-4 PM	3262	0.0	2999	3262	0	2.15	92	66.7	41.4	37.3
4-5 PM	3756	0.0	3000	3596	159	10.88+	602	65.2	16.4	37.3
5-6 PM	3708	0.0	3000	2994	714	15.49+	818	65.5	12.9	37.3
6-7 PM	2431	0.0	2999	2431	0	11.57+	634	67.7	15.8	39.3
7-8 PM	1558	0.0	3000	1558	0	0.68	30	68.8	57.3	49.7
8-9 PM	1343	0.0	3000	1343	0	0.35	0	69.1	62.7	49.7
9-10 PM	1091	0.0	3000	1091	0	0.35	0	69.4	62.8	49.7
10-11 PM	690	0.0	3000	690	0	0.36	0	69.9	63.2	49.7
11PM-MID	553	0.0	3000	553	0	0.36	0	70.0	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

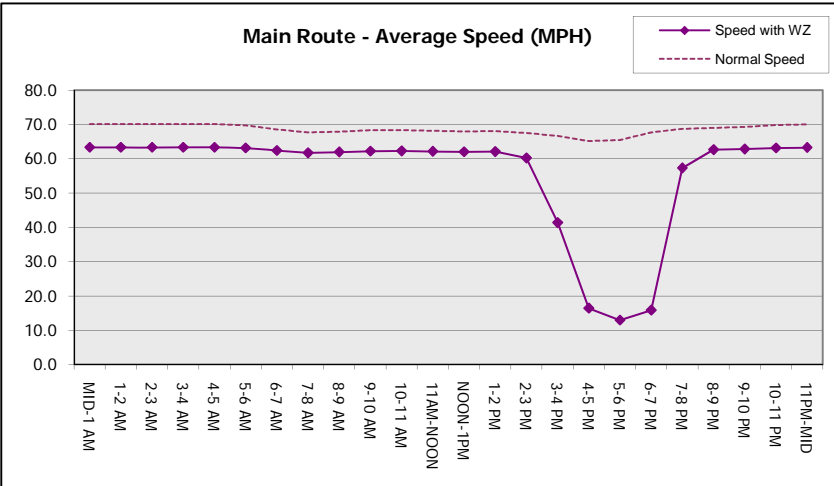
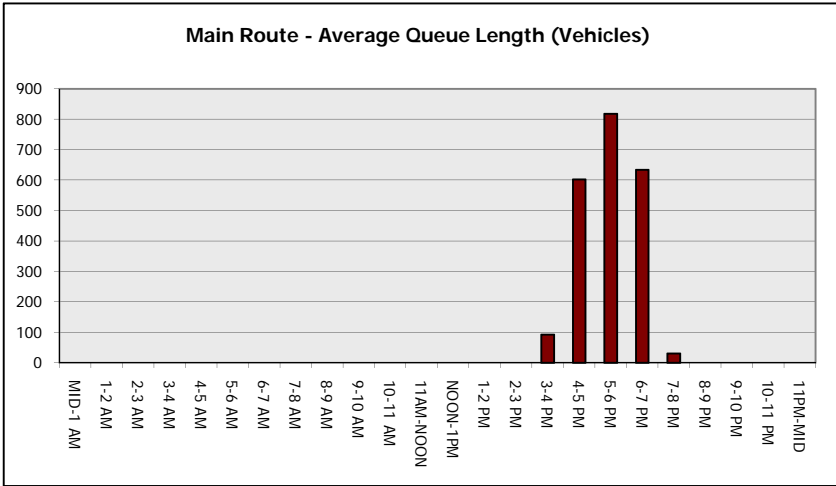
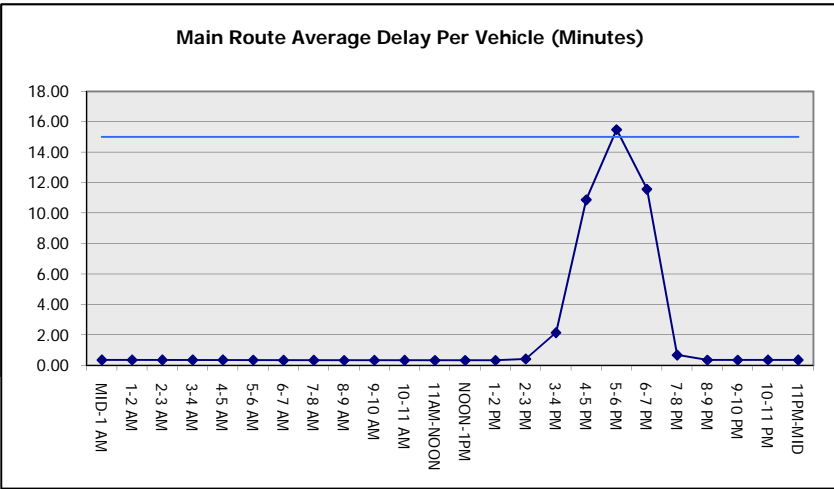
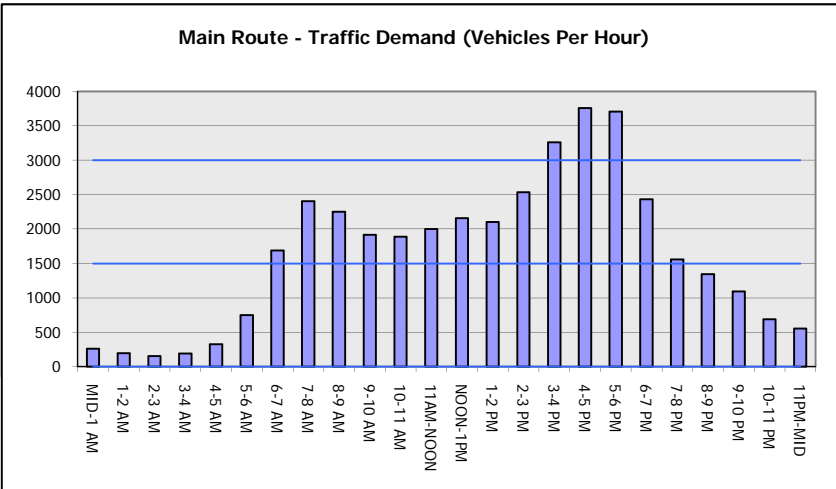
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0243
MAIN ROUTE WITH WORKS	0.0213
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$31,131
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



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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	212	0.0	3000	212	0	0.36	0	70.2	63.3	49.7
1-2 AM	172	0.0	3000	172	0	0.36	0	70.2	63.3	49.7
2-3 AM	184	0.0	3000	184	0	0.36	0	70.2	63.3	49.7
3-4 AM	198	0.0	3000	198	0	0.36	0	70.2	63.3	49.7
4-5 AM	424	0.0	3000	424	0	0.36	0	70.2	63.3	49.7
5-6 AM	1330	0.0	3000	1330	0	0.35	0	69.1	62.7	49.7
6-7 AM	2919	0.0	2999	2919	0	1.04	31	67.1	51.7	41.0
7-8 AM	3967	0.0	3000	3713	254	9.80+	567	63.8	17.6	37.3
8-9 AM	2998	0.0	3000	2883	115	15.19+	797	67.0	13.1	37.3
9-10 AM	2123	0.0	2999	2123	0	4.28	327	68.1	30.4	44.4
10-11 AM	1899	0.0	3000	1899	0	0.34	0	68.4	62.3	49.7
11AM-NOON	1864	0.0	3000	1864	0	0.34	0	68.4	62.3	49.7
NOON-1PM	1880	0.0	3000	1880	0	0.34	0	68.4	62.3	49.7
1-2 PM	2011	0.0	3000	2011	0	0.33	0	68.2	62.2	49.7
2-3 PM	2195	0.0	3000	2195	0	0.33	0	68.0	62.0	49.7
3-4 PM	2430	0.0	3000	2430	0	0.36	0	67.7	61.4	48.6
4-5 PM	2497	0.0	3000	2497	0	0.40	0	67.6	60.6	46.9
5-6 PM	2617	0.0	3000	2617	0	0.48	0	67.5	59.3	44.2
6-7 PM	1794	0.0	3000	1794	0	0.34	0	68.5	62.3	49.7
7-8 PM	1286	0.0	3000	1286	0	0.35	0	69.1	62.7	49.7
8-9 PM	1082	0.0	3000	1082	0	0.35	0	69.4	62.8	49.7
9-10 PM	938	0.0	3000	938	0	0.35	0	69.6	63.0	49.7
10-11 PM	654	0.0	3000	654	0	0.36	0	69.9	63.2	49.7
11PM-MID	404	0.0	3000	404	0	0.36	0	70.2	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	0.0236
MAIN ROUTE WITH WORKS	0.0209
'DIVERSION'	0.0005

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$23,076
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

