

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	403	0.0	3000	403	0	0.36	0	70.2	63.3	49.7	
1-2 AM	233	0.0	3000	233	0	0.36	0	70.2	63.3	49.7	
2-3 AM	185	0.0	3000	185	0	0.36	0	70.2	63.3	49.7	
3-4 AM	195	0.0	3000	195	0	0.36	0	70.2	63.3	49.7	
4-5 AM	329	0.0	3000	329	0	0.36	0	70.2	63.3	49.7	
5-6 AM	755	0.0	3000	755	0	0.35	0	69.8	63.1	49.7	
6-7 AM	1656	0.0	3000	1656	0	0.34	0	68.7	62.4	49.7	
7-8 AM	2347	0.0	3000	2347	0	0.33	0	67.8	61.9	49.7	
8-9 AM	2437	0.0	3000	2437	0	0.36	0	67.7	61.3	48.4	
9-10 AM	2278	0.0	3000	2278	0	0.33	0	67.9	62.0	49.7	
10-11 AM	2286	0.0	3000	2286	0	0.33	0	67.9	62.0	49.7	
11AM-NOON	2330	0.0	3000	2330	0	0.33	0	67.8	61.9	49.7	
NOON-1PM	2491	0.0	3000	2491	0	0.40	0	67.6	60.7	47.0	
1-2 PM	2468	0.0	3000	2468	0	0.38	0	67.7	60.9	47.6	
2-3 PM	2833	0.0	2999	2833	0	0.62	0	67.2	57.1	40.1	
3-4 PM	3492	0.0	2999	3492	0	3.84	208	66.4	31.8	37.3	
4-5 PM	4025	0.0	3000	3382	643	14.40+	773	63.3	13.5	37.3	
5-6 PM	3957	0.0	2999	2982	975	15.43+	820	63.8	12.9	37.3	
6-7 PM	2842	0.0	2999	2736	106	14.29+	750	67.2	13.5	37.3	
7-8 PM	1901	0.0	2999	1901	0	2.19	183	68.4	41.7	47.9	
8-9 PM	1603	0.0	3000	1603	0	0.34	0	68.7	62.5	49.7	
9-10 PM	1365	0.0	3000	1365	0	0.34	0	69.1	62.7	49.7	
10-11 PM	1277	0.0	3000	1277	0	0.35	0	69.1	62.7	49.7	
11PM-MID	835	0.0	3000	835	0	0.35	0	69.7	63.0	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

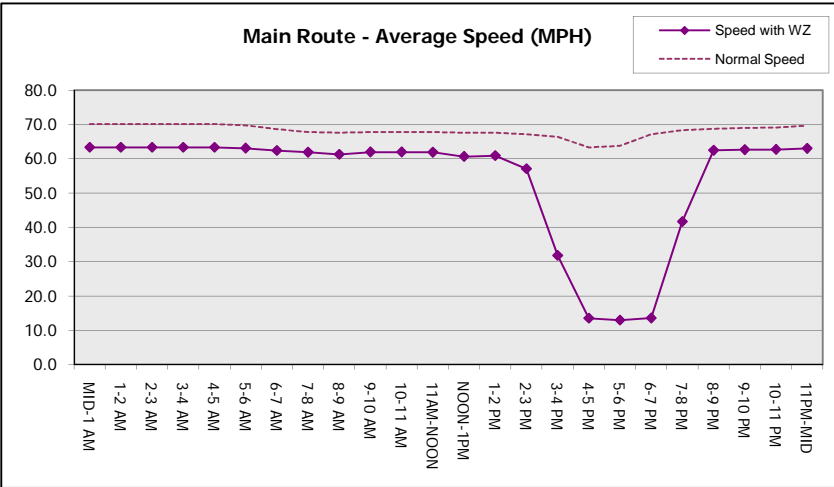
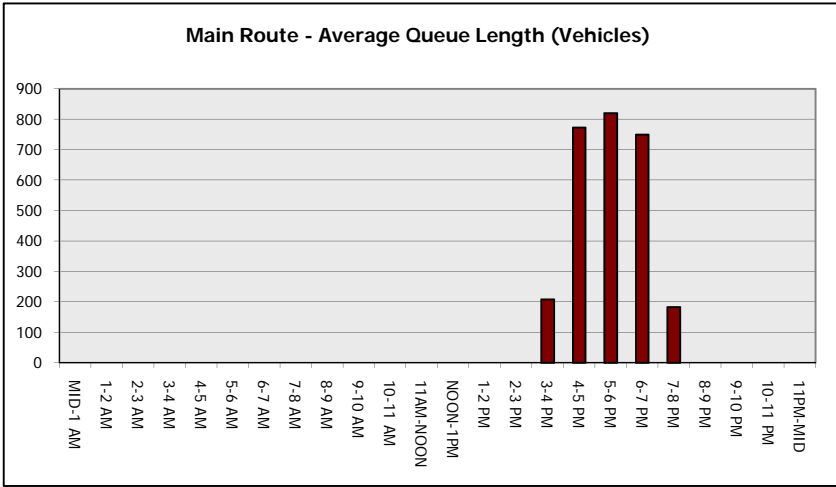
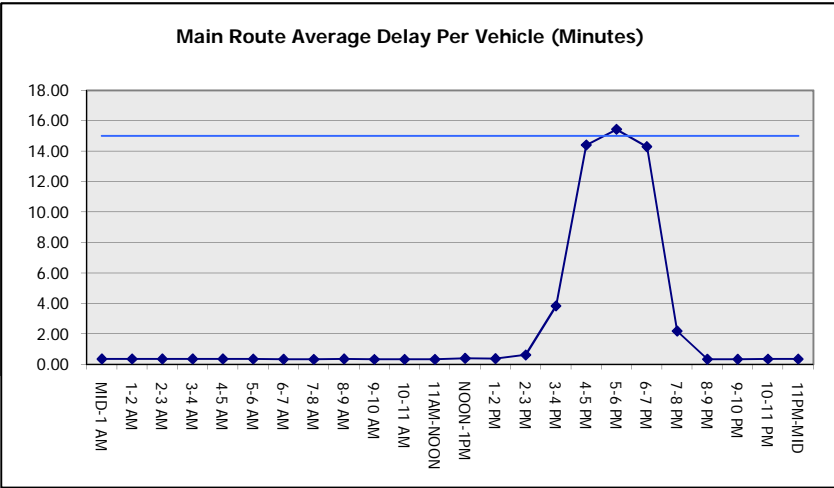
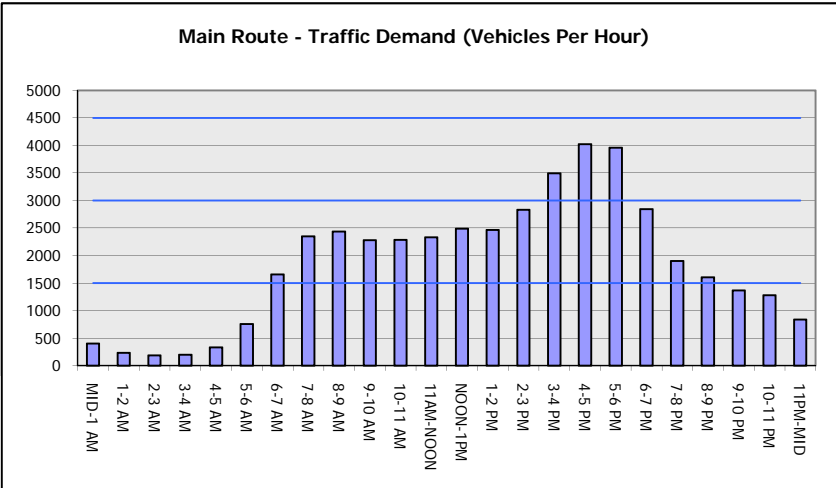
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0277
MAIN ROUTE WITH WORKS	0.0238
'DIVERSION'	0.0025
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$41,347
CONGESTED HOURS PER DAY*	3

*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	305	0.0	3000	305	0	0.36	0	70.2	63.3	49.7
1-2 AM	219	0.0	3000	219	0	0.36	0	70.2	63.3	49.7
2-3 AM	174	0.0	3000	174	0	0.36	0	70.2	63.3	49.7
3-4 AM	212	0.0	3000	212	0	0.36	0	70.2	63.3	49.7
4-5 AM	453	0.0	3000	453	0	0.36	0	70.2	63.3	49.7
5-6 AM	1358	0.0	3000	1358	0	0.34	0	69.1	62.7	49.7
6-7 AM	2741	0.0	2999	2741	0	0.64	6	67.3	56.9	43.0
7-8 AM	3880	0.0	3000	3880	0	7.55+	457	64.3	21.1	37.3
8-9 AM	3075	0.0	2999	2822	253	14.74+	772	66.9	13.3	37.3
9-10 AM	2527	0.0	2999	2527	0	9.59	513	67.6	17.9	37.9
10-11 AM	2443	0.0	3000	2443	0	1.21	60	67.7	50.2	45.9
11AM-NOON	2437	0.0	3000	2437	0	0.36	0	67.7	61.3	48.4
NOON-1PM	2388	0.0	3000	2388	0	0.33	0	67.8	61.9	49.7
1-2 PM	2428	0.0	3000	2428	0	0.35	0	67.7	61.4	48.6
2-3 PM	2600	0.0	3000	2600	0	0.47	0	67.5	59.5	44.5
3-4 PM	2754	0.0	2999	2754	0	0.57	0	67.3	57.9	41.4
4-5 PM	2980	0.0	2999	2980	0	0.75	2	67.0	55.2	37.7
5-6 PM	3051	0.0	3000	3051	0	1.79	59	66.9	44.2	37.3
6-7 PM	2174	0.0	3000	2174	0	0.38	2	68.1	61.3	49.6
7-8 PM	1568	0.0	3000	1568	0	0.34	0	68.8	62.5	49.7
8-9 PM	1343	0.0	3000	1343	0	0.35	0	69.1	62.7	49.7
9-10 PM	1283	0.0	3000	1283	0	0.35	0	69.1	62.7	49.7
10-11 PM	833	0.0	3000	833	0	0.35	0	69.7	63.0	49.7
11PM-MID	572	0.0	3000	572	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	0.0272
MAIN ROUTE WITH WORKS	0.0242
'DIVERSION'	0.0004

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$26,473
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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