

<b>IH 94: CTH G TO STH 16 (WAUKESHA COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	1500	403	0	0.52	0	70.2	60.7	43.9	
1-2 AM	233	0.0	1500	233	0	0.50	0	70.2	61.0	44.5	
2-3 AM	185	0.0	1500	185	0	0.49	0	70.2	61.1	44.7	
3-4 AM	195	0.0	1500	195	0	0.50	0	70.2	61.1	44.7	
4-5 AM	329	0.0	1500	329	0	0.51	0	70.2	60.8	44.2	
5-6 AM	755	0.0	OFF	755	0	0.00	0	69.8	69.8	69.8	
6-7 AM	1656	0.0	OFF	1656	0	0.00	0	68.7	68.7	68.7	
7-8 AM	2347	0.0	OFF	2347	0	0.00	0	67.8	67.8	67.8	
8-9 AM	2437	0.0	OFF	2437	0	0.00	0	67.7	67.7	67.7	
9-10 AM	2278	0.0	OFF	2278	0	0.00	0	67.9	67.9	67.9	
10-11 AM	2286	0.0	OFF	2286	0	0.00	0	67.9	67.9	67.9	
11AM-NOON	2330	0.0	OFF	2330	0	0.00	0	67.8	67.8	67.8	
NOON-1PM	2491	0.0	OFF	2491	0	0.00	0	67.6	67.6	67.6	
1-2 PM	2468	0.0	OFF	2468	0	0.00	0	67.7	67.7	67.7	
2-3 PM	2833	0.0	OFF	2833	0	0.00	0	67.2	67.2	67.2	
3-4 PM	3492	0.0	OFF	3492	0	0.00	0	66.4	66.4	66.4	
4-5 PM	4025	0.0	OFF	4025	0	0.00	0	63.3	63.3	63.3	
5-6 PM	3957	0.0	OFF	3957	0	0.00	0	63.8	63.8	63.8	
6-7 PM	2842	0.0	OFF	2842	0	0.00	0	67.2	67.2	67.2	
7-8 PM	1901	0.0	1499	1901	0	9.13	239	68.4	18.6	30.8	
8-9 PM	1603	0.0	1499	1500	103	16.37+	399	68.7	11.9	30.8	
9-10 PM	1365	0.0	1499	1365	0	14.11+	343	69.1	13.4	30.8	
10-11 PM	1277	0.0	1500	1277	0	6.97	170	69.1	22.6	32.2	
11PM-MID	835	0.0	1500	835	0	0.62	1	69.7	58.9	42.2	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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

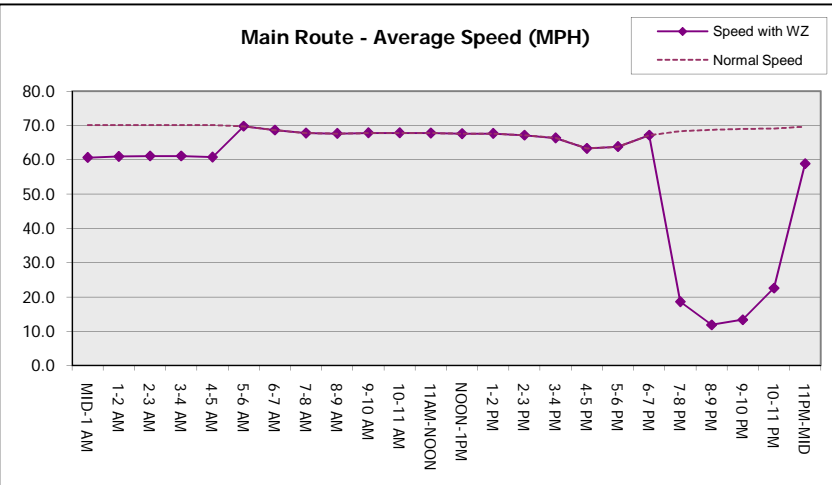
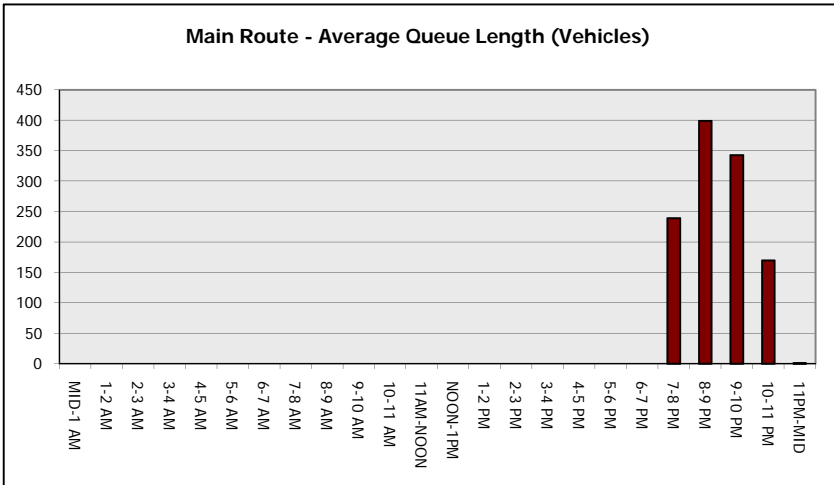
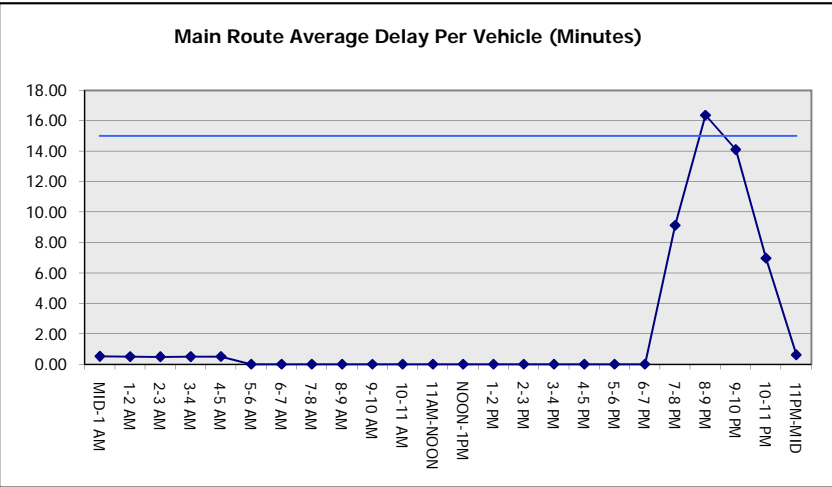
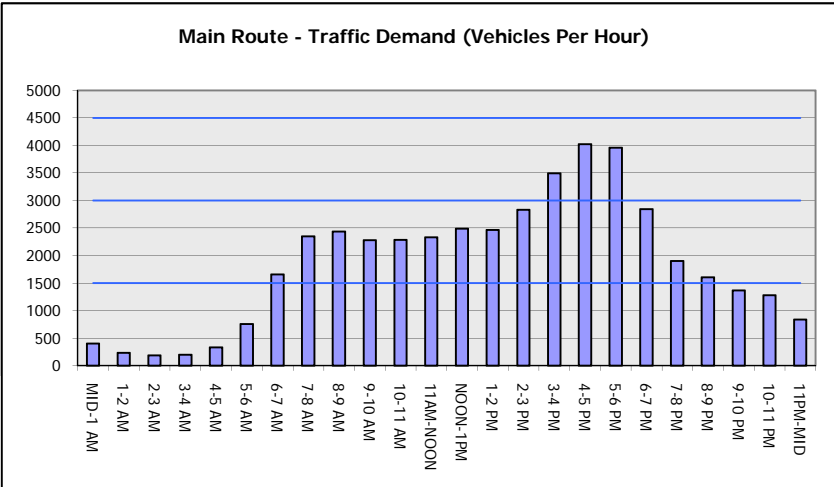
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0277
MAIN ROUTE WITH WORKS	0.0270
'DIVERSION'	0.0001
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$17,152
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

**IH 94: CTH G TO STH 16 (WAUKESHA COUNTY)  
NIGHTTIME 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

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



<b>IH 94: CTH G TO STH 16 (WAUKESHA COUNTY)                  NIGHTTIME 2 LANE CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**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	1500	305	0	0.51	0	70.2	60.9	44.3
1-2 AM	219	0.0	1500	219	0	0.50	0	70.2	61.0	44.6
2-3 AM	174	0.0	1500	174	0	0.49	0	70.2	61.1	44.8
3-4 AM	212	0.0	1500	212	0	0.50	0	70.2	61.0	44.6
4-5 AM	453	0.0	1500	453	0	0.53	0	70.2	60.6	43.7
5-6 AM	1358	0.0	OFF	1358	0	0.00	0	69.1	69.1	69.1
6-7 AM	2741	0.0	OFF	2741	0	0.00	0	67.3	67.3	67.3
7-8 AM	3880	0.0	OFF	3880	0	0.00	0	64.3	64.3	64.3
8-9 AM	3075	0.0	OFF	3075	0	0.00	0	66.9	66.9	66.9
9-10 AM	2527	0.0	OFF	2527	0	0.00	0	67.6	67.6	67.6
10-11 AM	2443	0.0	OFF	2443	0	0.00	0	67.7	67.7	67.7
11AM-NOON	2437	0.0	OFF	2437	0	0.00	0	67.7	67.7	67.7
NOON-1PM	2388	0.0	OFF	2388	0	0.00	0	67.8	67.8	67.8
1-2 PM	2428	0.0	OFF	2428	0	0.00	0	67.7	67.7	67.7
2-3 PM	2600	0.0	OFF	2600	0	0.00	0	67.5	67.5	67.5
3-4 PM	2754	0.0	OFF	2754	0	0.00	0	67.3	67.3	67.3
4-5 PM	2980	0.0	OFF	2980	0	0.00	0	67.0	67.0	67.0
5-6 PM	3051	0.0	OFF	3051	0	0.00	0	66.9	66.9	66.9
6-7 PM	2174	0.0	OFF	2174	0	0.00	0	68.1	68.1	68.1
7-8 PM	1568	0.0	1499	1568	0	3.32	59	68.8	34.8	30.8
8-9 PM	1343	0.0	1499	1343	0	1.52	18	69.1	47.7	33.7
9-10 PM	1283	0.0	1500	1283	0	0.81	0	69.1	55.7	36.0
10-11 PM	833	0.0	1500	833	0	0.57	0	69.7	59.6	42.3
11PM-MID	572	0.0	1500	572	0	0.54	0	70.0	60.3	43.2

**"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)**

*----- 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	0.0267
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,296
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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 NIGHTTIME 2 LANE CLOSURE  
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 Construction Season

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

