

IH 94: CTH G TO STH 16 (WAUKESHA COUNTY) NIGHTTIME 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	389	0.0	1500	389	0	0.52	0	70.2	60.7	43.9
1-2 AM	232	0.0	1500	232	0	0.50	0	70.2	61.0	44.5
2-3 AM	194	0.0	1500	194	0	0.50	0	70.2	61.1	44.7
3-4 AM	134	0.0	1500	134	0	0.49	0	70.2	61.2	45.0
4-5 AM	141	0.0	1500	141	0	0.49	0	70.2	61.2	44.9
5-6 AM	265	0.0	1500	265	0	0.50	0	70.2	60.9	44.4
6-7 AM	489	0.0	1500	489	0	0.53	0	70.1	60.5	43.5
7-8 AM	833	0.0	1500	833	0	0.57	0	69.7	59.6	42.3
8-9 AM	1247	0.0	1499	1247	0	0.76	0	69.2	56.4	37.3
9-10 AM	1771	0.0	OFF	1771	0	0.00	0	68.6	68.6	68.6
10-11 AM	2019	0.0	OFF	2019	0	0.00	0	68.2	68.2	68.2
11AM-NOON	2456	0.0	OFF	2456	0	0.00	0	67.7	67.7	67.7
NOON-1PM	2566	0.0	OFF	2566	0	0.00	0	67.6	67.6	67.6
1-2 PM	2665	0.0	OFF	2665	0	0.00	0	67.4	67.4	67.4
2-3 PM	2576	0.0	OFF	2576	0	0.00	0	67.5	67.5	67.5
3-4 PM	2498	0.0	OFF	2498	0	0.00	0	67.6	67.6	67.6
4-5 PM	2461	0.0	OFF	2461	0	0.00	0	67.7	67.7	67.7
5-6 PM	1993	0.0	OFF	1993	0	0.00	0	68.2	68.2	68.2
6-7 PM	1626	0.0	OFF	1626	0	0.00	0	68.7	68.7	68.7
7-8 PM	1331	0.0	1500	1331	0	0.88	0	69.1	54.8	34.7
8-9 PM	1125	0.0	1500	1125	0	0.61	0	69.4	58.7	41.0
9-10 PM	789	0.0	1500	789	0	0.56	0	69.7	59.7	42.4
10-11 PM	548	0.0	1500	548	0	0.54	0	70.0	60.4	43.3
11PM-MID	368	0.0	1500	368	0	0.52	0	70.2	60.7	44.0

"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

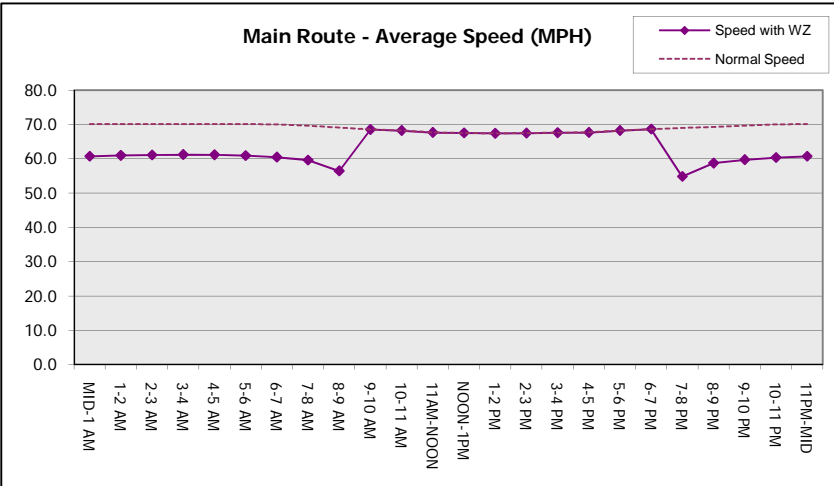
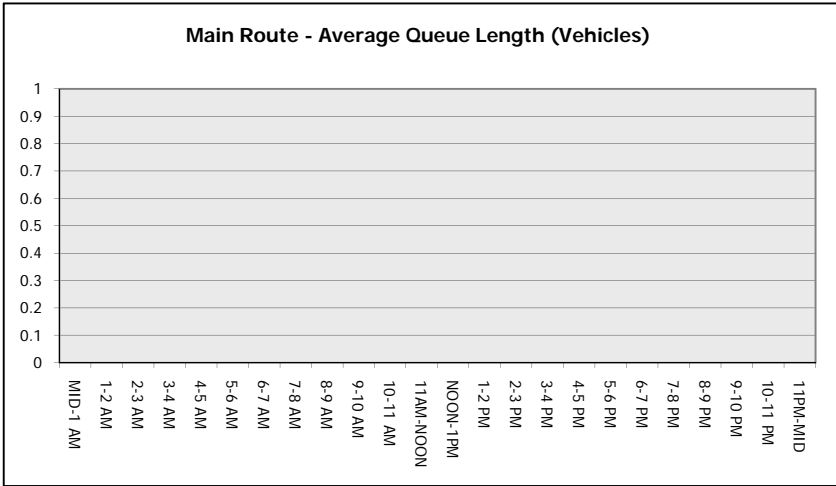
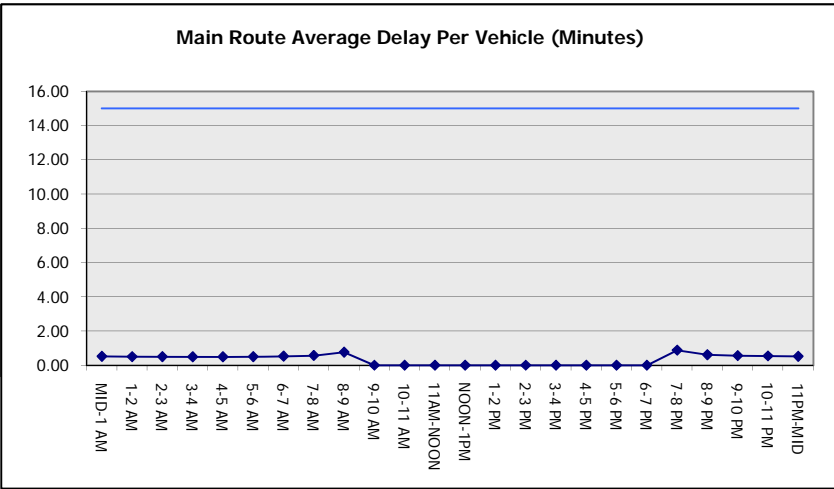
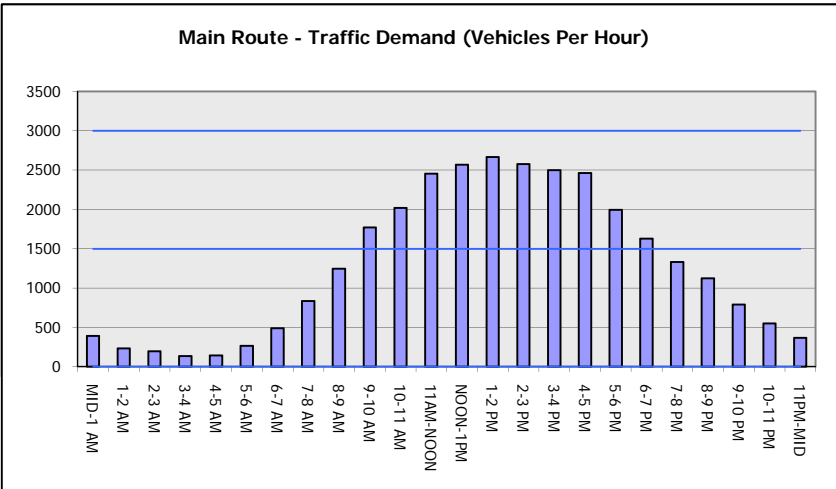
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0191
MAIN ROUTE WITH WORKS	0.0185
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,388
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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

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	391	0.0	1500	391	0	0.52	0	70.2	60.7	43.9
1-2 AM	291	0.0	1500	291	0	0.51	0	70.2	60.9	44.3
2-3 AM	157	0.0	1500	157	0	0.49	0	70.2	61.2	44.8
3-4 AM	165	0.0	1500	165	0	0.49	0	70.2	61.2	44.8
4-5 AM	161	0.0	1500	161	0	0.49	0	70.2	61.2	44.8
5-6 AM	155	0.0	1500	155	0	0.49	0	70.2	61.2	44.8
6-7 AM	377	0.0	1500	377	0	0.52	0	70.2	60.7	44.0
7-8 AM	604	0.0	1500	604	0	0.54	0	70.0	60.2	43.1
8-9 AM	888	0.0	1500	888	0	0.57	0	69.6	59.4	42.0
9-10 AM	1403	0.0	OFF	1403	0	0.00	0	69.0	69.0	69.0
10-11 AM	1922	0.0	OFF	1922	0	0.00	0	68.4	68.4	68.4
11AM-NOON	2341	0.0	OFF	2341	0	0.00	0	67.8	67.8	67.8
NOON-1PM	2653	0.0	OFF	2653	0	0.00	0	67.4	67.4	67.4
1-2 PM	2667	0.0	OFF	2667	0	0.00	0	67.4	67.4	67.4
2-3 PM	2824	0.0	OFF	2824	0	0.00	0	67.3	67.3	67.3
3-4 PM	2968	0.0	OFF	2968	0	0.00	0	67.1	67.1	67.1
4-5 PM	2853	0.0	OFF	2853	0	0.00	0	67.2	67.2	67.2
5-6 PM	2923	0.0	OFF	2923	0	0.00	0	67.1	67.1	67.1
6-7 PM	2439	0.0	OFF	2439	0	0.00	0	67.7	67.7	67.7
7-8 PM	2088	0.0	1499	1856	232	10.50+	279	68.1	16.8	30.8
8-9 PM	1851	0.0	1499	1529	322	16.22+	396	68.4	11.9	30.8
9-10 PM	1259	0.0	1500	1259	0	11.92	298	69.2	15.3	31.8
10-11 PM	774	0.0	1500	774	0	0.95	16	69.8	54.4	42.4
11PM-MID	461	0.0	1500	461	0	0.53	0	70.2	60.5	43.7

"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	0.0215
MAIN ROUTE WITH WORKS	0.0206
'DIVERSION'	0.0008

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$18,763
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)**

MAY
Analyzed for 2009
Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

