

IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	794	0.0	1500	794	0	0.56	0	69.7	60.3	42.4	
1-2 AM	464	0.0	1500	464	0	0.53	0	70.2	61.2	43.7	
2-3 AM	380	0.0	1500	380	0	0.52	0	70.2	61.3	44.0	
3-4 AM	303	0.0	1500	303	0	0.51	0	70.2	61.5	44.3	
4-5 AM	382	0.0	1500	382	0	0.52	0	70.2	61.3	44.0	
5-6 AM	664	0.0	1500	664	0	0.55	0	69.9	60.6	42.9	
6-7 AM	1303	0.0	1499	1303	0	0.83	0	69.1	56.3	36.1	
7-8 AM	2134	0.0	1499	1942	192	8.63+	242	68.1	20.4	30.8	
8-9 AM	2646	0.0	OFF	2646	0	0.32	29	67.4	62.1	62.1	
9-10 AM	2975	0.0	OFF	2975	0	0.00	0	67.1	67.1	67.1	
10-11 AM	3358	0.0	OFF	3358	0	0.00	0	66.6	66.6	66.6	
11AM-NOON	3695	0.0	OFF	3695	0	0.00	0	65.6	65.6	65.6	
NOON-1PM	3939	0.0	OFF	3939	0	0.00	0	64.0	64.0	64.0	
1-2 PM	3681	0.0	OFF	3681	0	0.00	0	65.7	65.7	65.7	
2-3 PM	3640	0.0	OFF	3640	0	0.00	0	66.0	66.0	66.0	
3-4 PM	3693	0.0	OFF	3693	0	0.00	0	65.6	65.6	65.6	
4-5 PM	3597	0.0	OFF	3597	0	0.00	0	66.3	66.3	66.3	
5-6 PM	3208	0.0	OFF	3208	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2656	0.0	1499	1726	930	13.77+	346	67.4	14.4	35.5	
7-8 PM	2133	0.0	1499	1712	421	15.37+	378	68.1	13.2	30.8	
8-9 PM	2106	0.0	1499	1500	606	16.34+	399	68.1	12.5	30.8	
9-10 PM	2308	0.0	1500	1500	808	16.32+	400	67.9	12.5	30.8	
10-11 PM	1642	0.0	1499	1438	204	16.11+	393	68.7	12.7	30.8	
11PM-MID	1122	0.0	1499	1122	0	7.51	213	69.4	22.6	34.6	

"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

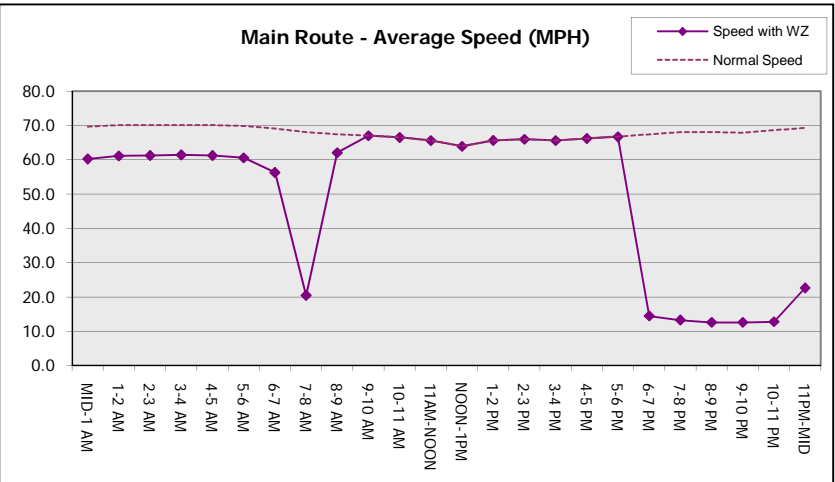
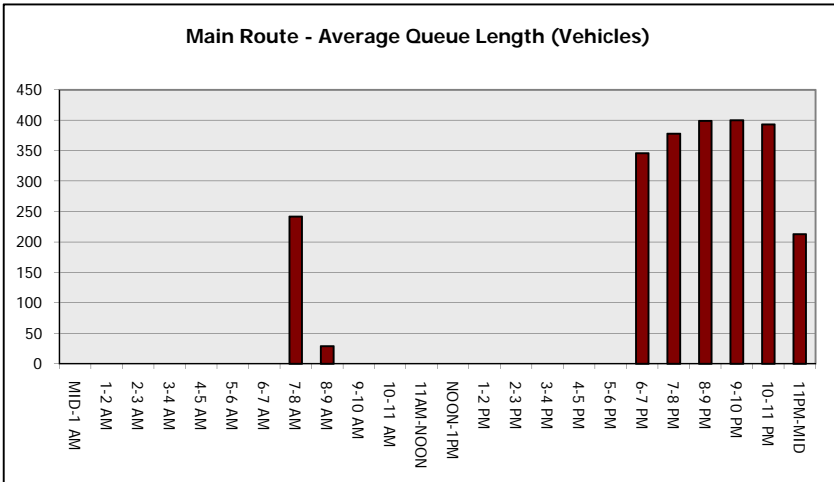
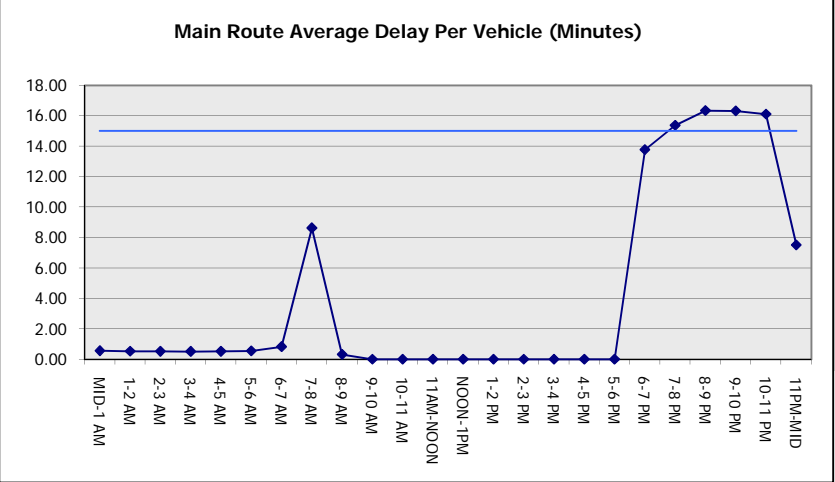
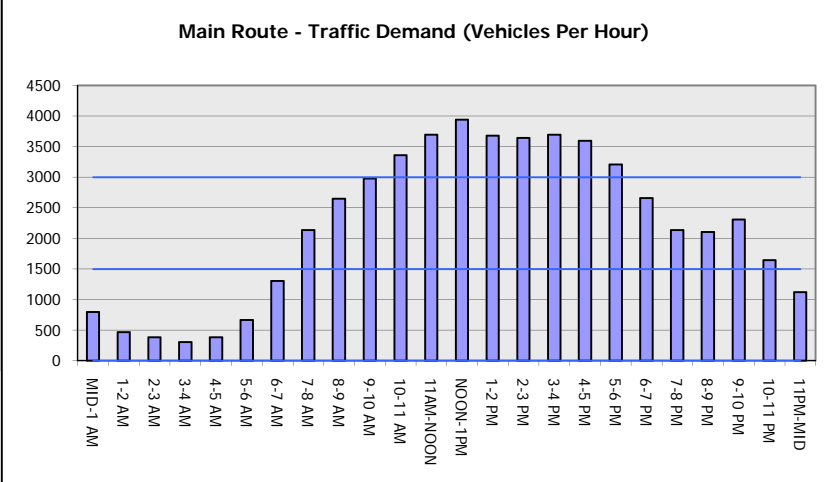
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0353
MAIN ROUTE WITH WORKS	0.0322
'DIVERSION'	0.0049
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$50,717
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

**IH 94: STH 16 TO USH 18 (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
SATURDAY WESTBOUND DIRECTION



IH 94: STH 16 TO USH 18 (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	605	0.0	1500	605	0	0.54	0	70.0	60.8	43.1
1-2 AM	364	0.0	1500	364	0	0.52	0	70.2	61.4	44.0
2-3 AM	272	0.0	1500	272	0	0.51	0	70.2	61.5	44.4
3-4 AM	226	0.0	1500	226	0	0.50	0	70.2	61.6	44.6
4-5 AM	337	0.0	1500	337	0	0.51	0	70.2	61.4	44.2
5-6 AM	649	0.0	1500	649	0	0.55	0	69.9	60.7	43.0
6-7 AM	1056	0.0	1499	1056	0	0.63	0	69.4	59.2	40.6
7-8 AM	1632	0.0	1499	1632	0	2.16	37	68.7	43.2	31.2
8-9 AM	2426	0.0	OFF	2426	0	0.04	3	67.7	66.9	66.9
9-10 AM	3011	0.0	OFF	3011	0	0.00	0	67.0	67.0	67.0
10-11 AM	3300	0.0	OFF	3300	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3615	0.0	OFF	3615	0	0.00	0	66.1	66.1	66.1
NOON-1PM	3724	0.0	OFF	3724	0	0.00	0	65.4	65.4	65.4
1-2 PM	3643	0.0	OFF	3643	0	0.00	0	66.0	66.0	66.0
2-3 PM	3801	0.0	OFF	3801	0	0.00	0	64.9	64.9	64.9
3-4 PM	3779	0.0	OFF	3779	0	0.00	0	65.0	65.0	65.0
4-5 PM	3845	0.0	OFF	3845	0	0.00	0	64.6	64.6	64.6
5-6 PM	3469	0.0	OFF	3469	0	0.00	0	66.4	66.4	66.4
6-7 PM	2863	0.0	1499	1547	1316	15.56+	388	67.2	13.0	36.5
7-8 PM	2323	0.0	1499	1860	463	13.02+	330	67.9	15.0	31.8
8-9 PM	2056	0.0	1499	1500	556	16.34+	399	68.2	12.5	30.8
9-10 PM	1849	0.0	1500	1500	349	16.35+	400	68.4	12.5	30.8
10-11 PM	1444	0.0	1499	1420	24	15.64+	381	68.9	13.0	30.8
11PM-MID	1092	0.0	1499	1092	0	4.72	155	69.4	30.1	36.1

"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	0.0343
MAIN ROUTE WITH WORKS	0.0316
'DIVERSION'	0.0042

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,983
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

**IH 94: STH 16 TO USH 18 (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
SATURDAY EASTBOUND DIRECTION

