

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION (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	465	0.0	1500	465	0	0.53	0	70.2	59.4	43.7	
1-2 AM	291	0.0	1500	291	0	0.51	0	70.2	59.7	44.3	
2-3 AM	286	0.0	1500	286	0	0.51	0	70.2	59.7	44.3	
3-4 AM	335	0.0	1500	335	0	0.51	0	70.2	59.6	44.2	
4-5 AM	613	0.0	1500	613	0	0.55	0	70.0	58.9	43.1	
5-6 AM	1743	0.0	OFF	1743	0	0.00	0	68.6	68.6	68.6	
6-7 AM	4073	0.0	OFF	4073	0	0.00	0	63.0	63.0	63.0	
7-8 AM	4888	0.0	OFF	4888	0	0.00	0	57.4	57.4	57.4	
8-9 AM	4206	0.0	OFF	4206	0	0.00	0	62.1	62.1	62.1	
9-10 AM	2830	0.0	OFF	2830	0	0.00	0	67.2	67.2	67.2	
10-11 AM	2686	0.0	OFF	2686	0	0.00	0	67.4	67.4	67.4	
11AM-NOON	2953	0.0	OFF	2953	0	0.00	0	67.1	67.1	67.1	
NOON-1PM	3312	0.0	OFF	3312	0	0.00	0	66.6	66.6	66.6	
1-2 PM	3625	0.0	OFF	3625	0	0.00	0	66.1	66.1	66.1	
2-3 PM	3822	0.0	OFF	3822	0	0.00	0	64.8	64.8	64.8	
3-4 PM	4045	0.0	OFF	4045	0	0.00	0	63.2	63.2	63.2	
4-5 PM	4570	0.0	OFF	4570	0	0.00	0	59.6	59.6	59.6	
5-6 PM	4184	0.0	OFF	4184	0	0.00	0	62.3	62.3	62.3	
6-7 PM	3334	0.0	OFF	3334	0	0.00	0	66.6	66.6	66.6	
7-8 PM	2332	0.0	1499	1877	455	12.84+	318	67.8	12.9	32.2	
8-9 PM	1677	0.0	1499	1523	154	16.25+	397	68.6	10.6	30.8	
9-10 PM	1660	0.0	1500	1500	160	16.37+	400	68.7	10.6	30.8	
10-11 PM	1318	0.0	1499	1318	0	13.64+	334	69.1	12.3	30.8	
11PM-MID	824	0.0	1500	824	0	1.42	41	69.7	46.9	41.9	

"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

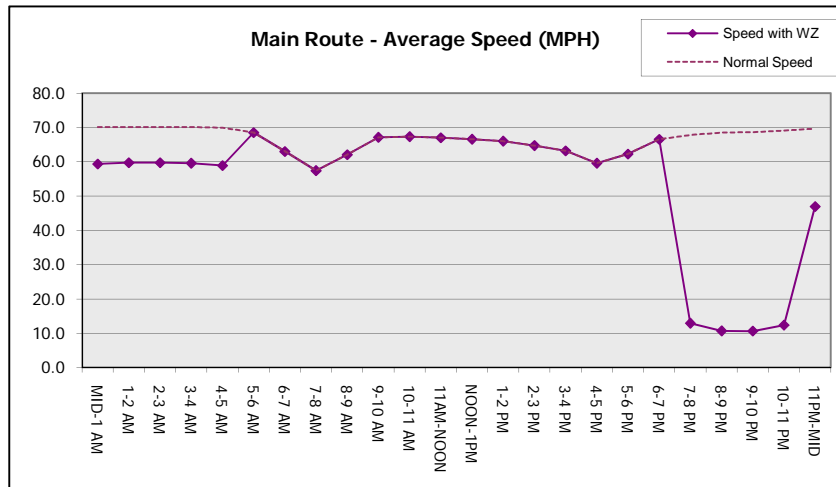
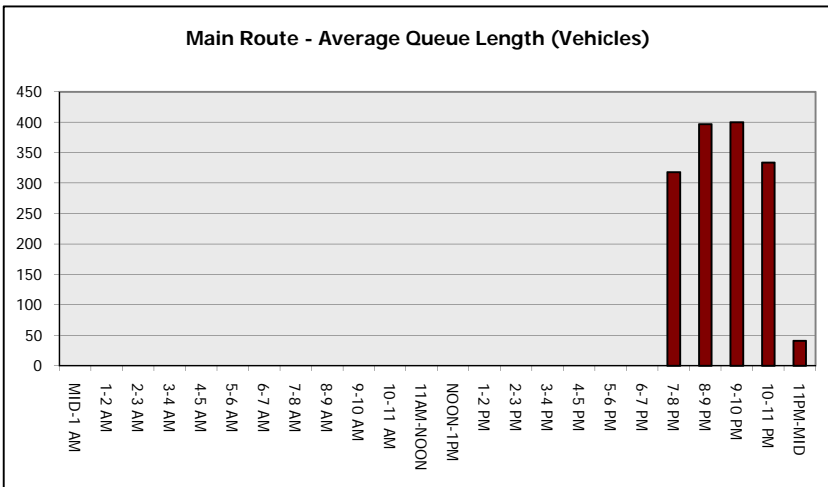
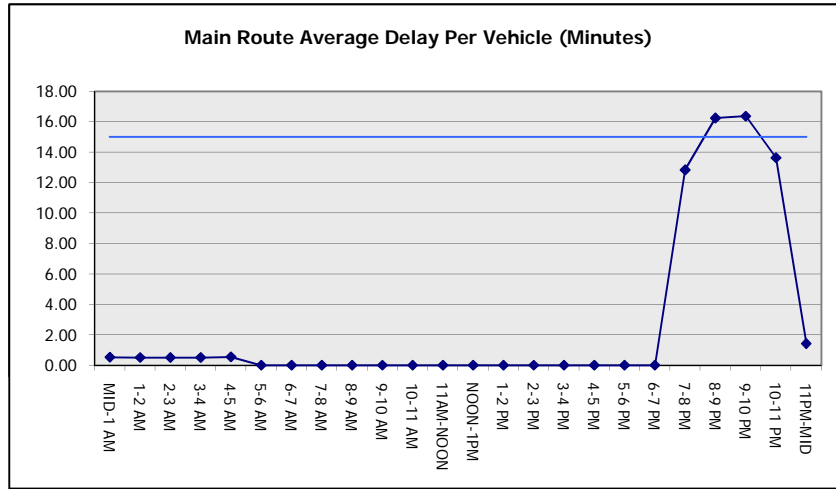
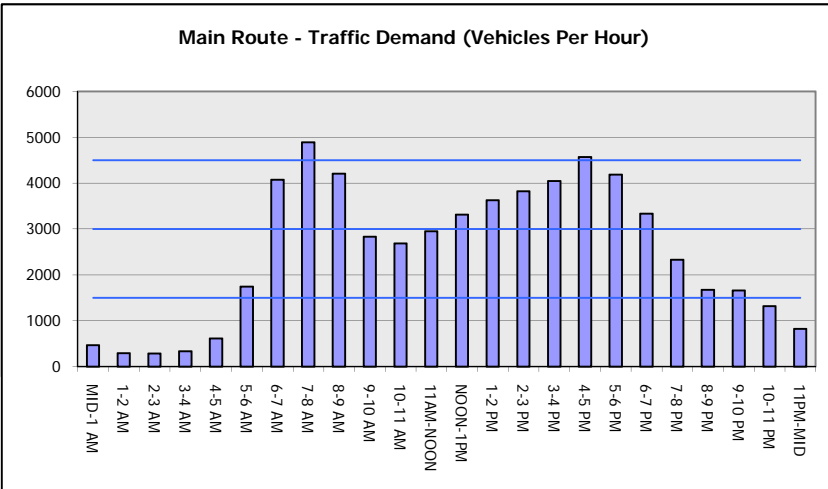
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0315
'DIVERSION'	0.0010
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$24,059
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

**IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)
NIGHTTIME 2 LANE CLOSURE
NO DIVERSION (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

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



IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION (MAX QUEUE METHOD)	MAY
	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	443	0.0	1500	443	0	0.53	0	70.2	59.4	43.7
1-2 AM	253	0.0	1500	253	0	0.50	0	70.2	59.8	44.5
2-3 AM	234	0.0	1500	234	0	0.50	0	70.2	59.9	44.5
3-4 AM	271	0.0	1500	271	0	0.51	0	70.2	59.7	44.4
4-5 AM	546	0.0	1500	546	0	0.54	0	70.0	59.1	43.3
5-6 AM	1720	0.0	OFF	1720	0	0.00	0	68.6	68.6	68.6
6-7 AM	4629	0.0	OFF	4629	0	0.00	0	59.2	59.2	59.2
7-8 AM	5093	0.0	OFF	5093	0	0.00	0	56.1	56.1	56.1
8-9 AM	4272	0.0	OFF	4272	0	0.00	0	61.7	61.7	61.7
9-10 AM	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9
10-11 AM	2853	0.0	OFF	2853	0	0.00	0	67.2	67.2	67.2
11AM-NOON	2965	0.0	OFF	2965	0	0.00	0	67.1	67.1	67.1
NOON-1PM	3154	0.0	OFF	3154	0	0.00	0	66.8	66.8	66.8
1-2 PM	3442	0.0	OFF	3442	0	0.00	0	66.4	66.4	66.4
2-3 PM	3601	0.0	OFF	3601	0	0.00	0	66.3	66.3	66.3
3-4 PM	3767	0.0	OFF	3767	0	0.00	0	65.1	65.1	65.1
4-5 PM	4246	0.0	OFF	4246	0	0.00	0	61.9	61.9	61.9
5-6 PM	3939	0.0	OFF	3939	0	0.00	0	64.0	64.0	64.0
6-7 PM	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9
7-8 PM	2289	0.0	1499	1949	340	12.53+	315	67.9	13.1	30.8
8-9 PM	1875	0.0	1499	1477	398	16.27+	397	68.4	10.6	30.8
9-10 PM	1796	0.0	1499	1495	301	16.34+	399	68.5	10.6	30.8
10-11 PM	1285	0.0	1499	1271	15	13.30+	330	69.1	12.5	31.1
11PM-MID	882	0.0	1500	882	0	1.35	36	69.6	47.6	41.7

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0323
MAIN ROUTE WITH WORKS	0.0312
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$24,787
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

**IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)
 NIGHTTIME 2 LANE CLOSURE
 NO DIVERSION (MAX QUEUE METHOD)**

MAY
 Analyzed for 2009
 Construction Season

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

