

<b>IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</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	465	0.0	OFF	465	0	0.00	0	70.2	70.2	70.2
1-2 AM	291	0.0	OFF	291	0	0.00	0	70.2	70.2	70.2
2-3 AM	286	0.0	OFF	286	0	0.00	0	70.2	70.2	70.2
3-4 AM	335	0.0	OFF	335	0	0.00	0	70.2	70.2	70.2
4-5 AM	613	0.0	OFF	613	0	0.00	0	70.0	70.0	70.0
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	1499	1847	839	13.39+	333	67.4	12.4	34.6
11AM-NOON	2953	0.0	1499	1500	1454	16.30+	399	67.1	10.6	30.8
NOON-1PM	3312	0.0	1500	1500	1812	16.28+	400	66.6	10.6	30.8
1-2 PM	3625	0.0	1500	1500	2125	16.25+	400	66.1	10.6	30.8
2-3 PM	3822	0.0	1500	1500	2322	16.19+	400	64.8	10.6	30.8
3-4 PM	4045	0.0	OFF	4045	0	0.43	30	63.2	55.7	55.7
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	OFF	2332	0	0.00	0	67.8	67.8	67.8
8-9 PM	1677	0.0	OFF	1677	0	0.00	0	68.6	68.6	68.6
9-10 PM	1660	0.0	OFF	1660	0	0.00	0	68.7	68.7	68.7
10-11 PM	1318	0.0	OFF	1318	0	0.00	0	69.1	69.1	69.1
11PM-MID	824	0.0	OFF	824	0	0.00	0	69.7	69.7	69.7

"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

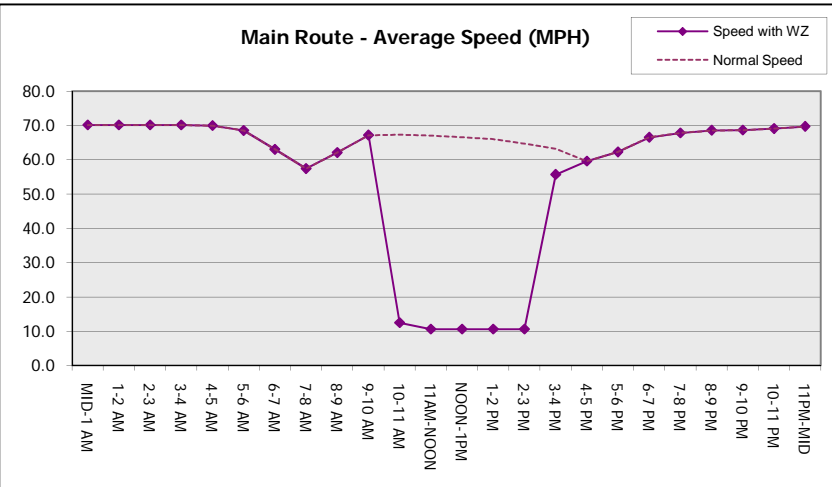
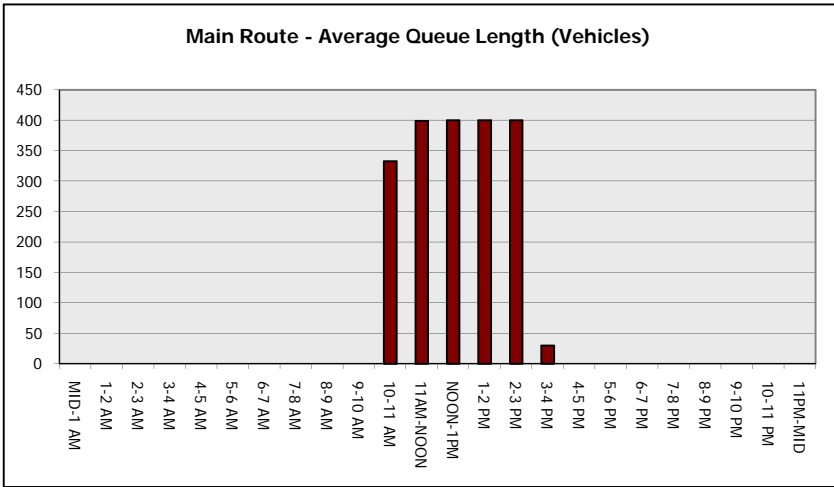
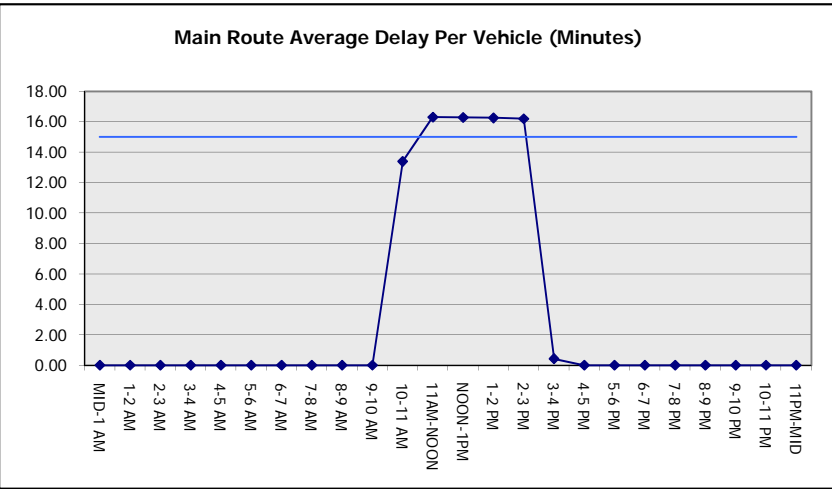
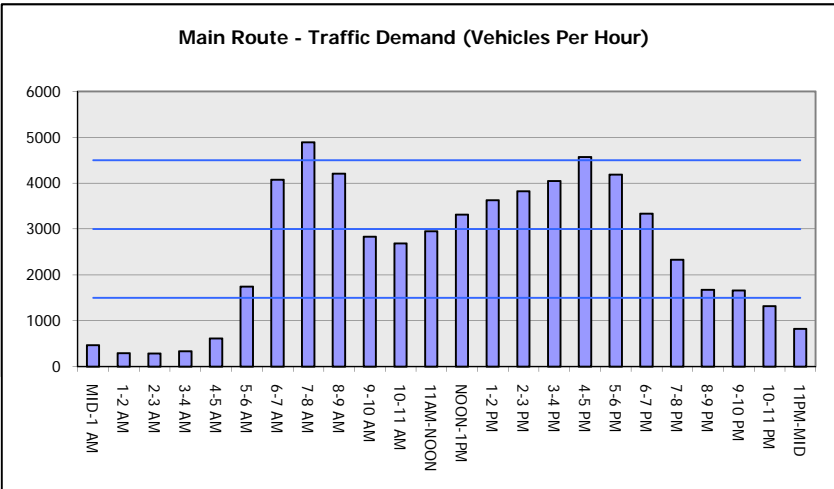
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0325
MAIN ROUTE WITH WORKS	0.0273
'DIVERSION'	0.0107
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$56,560
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY 2 LANE CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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



<b>IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</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	443	0.0	OFF	443	0	0.00	0	70.2	70.2	70.2
1-2 AM	253	0.0	OFF	253	0	0.00	0	70.2	70.2	70.2
2-3 AM	234	0.0	OFF	234	0	0.00	0	70.2	70.2	70.2
3-4 AM	271	0.0	OFF	271	0	0.00	0	70.2	70.2	70.2
4-5 AM	546	0.0	OFF	546	0	0.00	0	70.0	70.0	70.0
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	1499	1675	1178	14.20+	359	67.2	11.8	35.8
11AM-NOON	2965	0.0	1499	1784	1181	15.46+	383	67.1	11.0	30.8
NOON-1PM	3154	0.0	1500	1500	1654	16.29+	400	66.8	10.6	30.8
1-2 PM	3442	0.0	1500	1500	1942	16.27+	400	66.4	10.6	30.8
2-3 PM	3601	0.0	1500	1500	2101	16.26+	400	66.3	10.6	30.8
3-4 PM	3767	0.0	OFF	3767	0	0.63	47	65.1	54.2	54.2
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	OFF	2289	0	0.00	0	67.9	67.9	67.9
8-9 PM	1875	0.0	OFF	1875	0	0.00	0	68.4	68.4	68.4
9-10 PM	1796	0.0	OFF	1796	0	0.00	0	68.5	68.5	68.5
10-11 PM	1285	0.0	OFF	1285	0	0.00	0	69.1	69.1	69.1
11PM-MID	882	0.0	OFF	882	0	0.00	0	69.6	69.6	69.6

"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	0.0323
MAIN ROUTE WITH WORKS	0.0274
'DIVERSION'	0.0101

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$55,282
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

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

