

<b>IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	695	0.0	OFF	695	0	0.00	0	69.9	69.9	69.9
1-2 AM	412	0.0	OFF	412	0	0.00	0	70.2	70.2	70.2
2-3 AM	375	0.0	OFF	375	0	0.00	0	70.2	70.2	70.2
3-4 AM	384	0.0	OFF	384	0	0.00	0	70.2	70.2	70.2
4-5 AM	714	0.0	OFF	714	0	0.00	0	69.9	69.9	69.9
5-6 AM	1975	0.0	OFF	1975	0	0.00	0	68.2	68.2	68.2
6-7 AM	4168	0.0	OFF	4168	0	0.00	0	62.4	62.4	62.4
7-8 AM	5171	0.0	OFF	5171	0	0.00	0	55.5	55.5	55.5
8-9 AM	4798	0.0	OFF	4798	0	0.00	0	58.1	58.1	58.1
9-10 AM	3788	0.0	OFF	3788	0	0.00	0	65.0	65.0	65.0
10-11 AM	3570	0.0	2999	3570	0	5.20	290	66.3	24.7	37.3
11AM-NOON	3633	0.0	2999	3259	374	14.55+	769	66.0	12.7	37.3
NOON-1PM	4504	0.0	3000	3027	1476	15.87+	856	60.1	12.0	37.3
1-2 PM	3654	0.0	3000	2996	658	15.88+	838	65.9	12.2	37.3
2-3 PM	4143	0.0	2999	2996	1146	15.80+	844	62.5	12.1	37.3
3-4 PM	4967	0.0	OFF	4967	0	3.90	349	56.9	27.3	27.3
4-5 PM	4975	0.0	OFF	4975	0	0.00	0	56.9	56.9	56.9
5-6 PM	4621	0.0	OFF	4621	0	0.00	0	59.3	59.3	59.3
6-7 PM	4248	0.0	OFF	4248	0	0.00	0	61.9	61.9	61.9
7-8 PM	2877	0.0	OFF	2877	0	0.00	0	67.1	67.1	67.1
8-9 PM	1909	0.0	OFF	1909	0	0.00	0	68.4	68.4	68.4
9-10 PM	1992	0.0	OFF	1992	0	0.00	0	68.2	68.2	68.2
10-11 PM	1892	0.0	OFF	1892	0	0.00	0	68.4	68.4	68.4
11PM-MID	1413	0.0	OFF	1413	0	0.00	0	69.0	69.0	69.0

"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

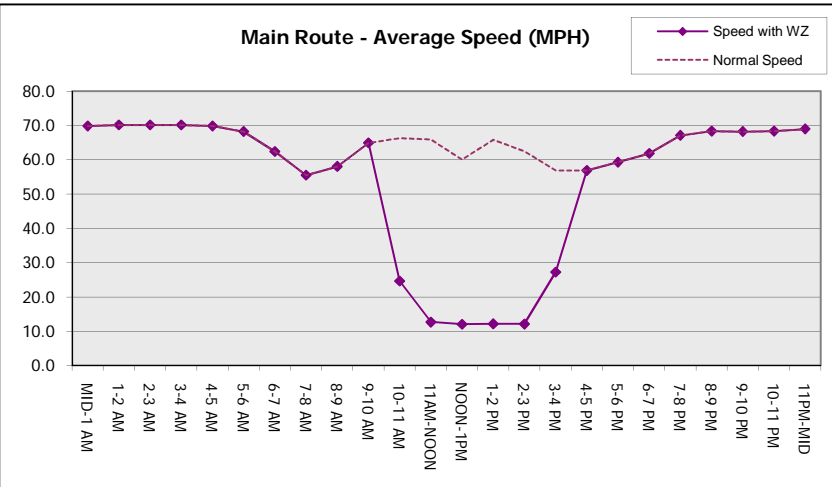
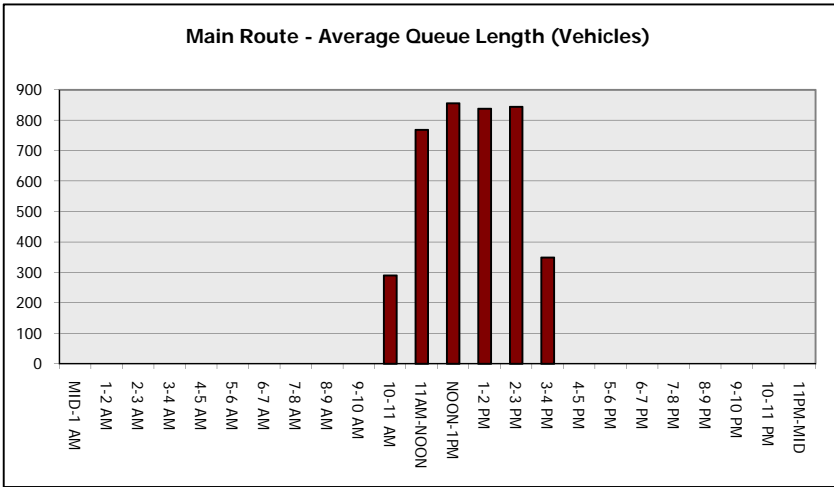
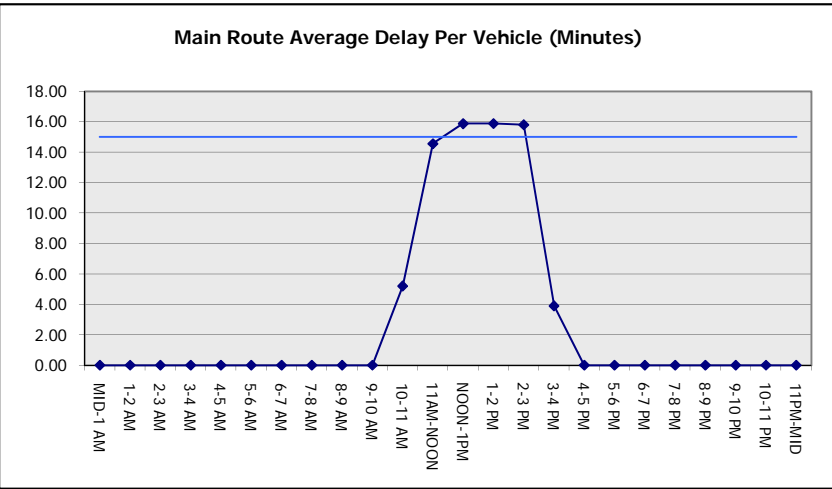
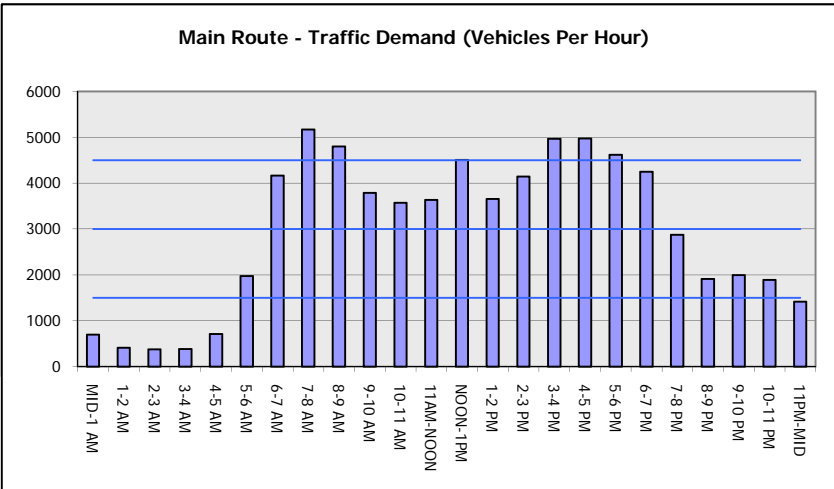
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0383
MAIN ROUTE WITH WORKS	0.0353
'DIVERSION'	0.0046
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,928
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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

**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 94: USH 18 TO CTH O (WAUKESHA COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	613	0.0	OFF	613	0	0.00	0	70.0	70.0	70.0
1-2 AM	394	0.0	OFF	394	0	0.00	0	70.2	70.2	70.2
2-3 AM	309	0.0	OFF	309	0	0.00	0	70.2	70.2	70.2
3-4 AM	307	0.0	OFF	307	0	0.00	0	70.2	70.2	70.2
4-5 AM	631	0.0	OFF	631	0	0.00	0	69.9	69.9	69.9
5-6 AM	1895	0.0	OFF	1895	0	0.00	0	68.4	68.4	68.4
6-7 AM	4450	0.0	OFF	4450	0	0.00	0	60.5	60.5	60.5
7-8 AM	5286	0.0	OFF	5286	0	0.00	0	54.8	54.8	54.8
8-9 AM	4656	0.0	OFF	4656	0	0.00	0	59.1	59.1	59.1
9-10 AM	3786	0.0	OFF	3786	0	0.00	0	65.0	65.0	65.0
10-11 AM	3315	0.0	2999	3315	0	3.61	175	66.6	30.6	37.3
11AM-NOON	3197	0.0	2999	3197	0	7.81	395	66.8	18.8	37.3
NOON-1PM	3877	0.0	3000	3397	480	14.80+	789	64.4	12.5	37.3
1-2 PM	3201	0.0	2999	2904	297	15.72+	826	66.8	12.2	37.3
2-3 PM	3893	0.0	3000	3015	878	15.82+	840	64.3	12.1	37.3
3-4 PM	4658	0.0	OFF	4658	0	2.92	255	59.1	32.0	32.0
4-5 PM	4686	0.0	OFF	4686	0	0.00	0	58.8	58.8	58.8
5-6 PM	4348	0.0	OFF	4348	0	0.00	0	61.2	61.2	61.2
6-7 PM	3802	0.0	OFF	3802	0	0.00	0	64.9	64.9	64.9
7-8 PM	2881	0.0	OFF	2881	0	0.00	0	67.1	67.1	67.1
8-9 PM	2039	0.0	OFF	2039	0	0.00	0	68.2	68.2	68.2
9-10 PM	2128	0.0	OFF	2128	0	0.00	0	68.1	68.1	68.1
10-11 PM	1664	0.0	OFF	1664	0	0.00	0	68.7	68.7	68.7
11PM-MID	1462	0.0	OFF	1462	0	0.00	0	68.9	68.9	68.9

"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	0.0365
MAIN ROUTE WITH WORKS	0.0346
'DIVERSION'	0.0021

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,332
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

