

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

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	1500	695	0	1.52	52	69.9	45.9	42.5	
1-2 AM	412	0.0	1500	412	0	0.52	0	70.2	59.5	43.8	
2-3 AM	375	0.0	1500	375	0	0.52	0	70.2	59.6	44.0	
3-4 AM	384	0.0	1500	384	0	0.52	0	70.2	59.6	44.0	
4-5 AM	714	0.0	1500	714	0	0.56	0	69.9	58.7	42.7	
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	OFF	3570	0	0.00	0	66.3	66.3	66.3	
11AM-NOON	3633	0.0	OFF	3633	0	0.00	0	66.0	66.0	66.0	
NOON-1PM	4504	0.0	OFF	4504	0	0.00	0	60.1	60.1	60.1	
1-2 PM	3654	0.0	OFF	3654	0	0.00	0	65.9	65.9	65.9	
2-3 PM	4143	0.0	OFF	4143	0	0.00	0	62.5	62.5	62.5	
3-4 PM	4967	0.0	OFF	4967	0	0.00	0	56.9	56.9	56.9	
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	1499	1550	1327	16.50+	412	67.1	10.4	36.6	
8-9 PM	1909	0.0	1499	1878	31	10.54+	277	68.4	15.1	30.8	
9-10 PM	1992	0.0	1500	1500	492	16.35+	400	68.2	10.6	30.8	
10-11 PM	1892	0.0	1500	1500	392	16.36+	400	68.4	10.6	30.8	
11PM-MID	1413	0.0	1499	1339	74	14.67+	358	69.0	11.6	30.8	

"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	0.0364
'DIVERSION'	0.0029
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,365
CONGESTED HOURS PER DAY*	5

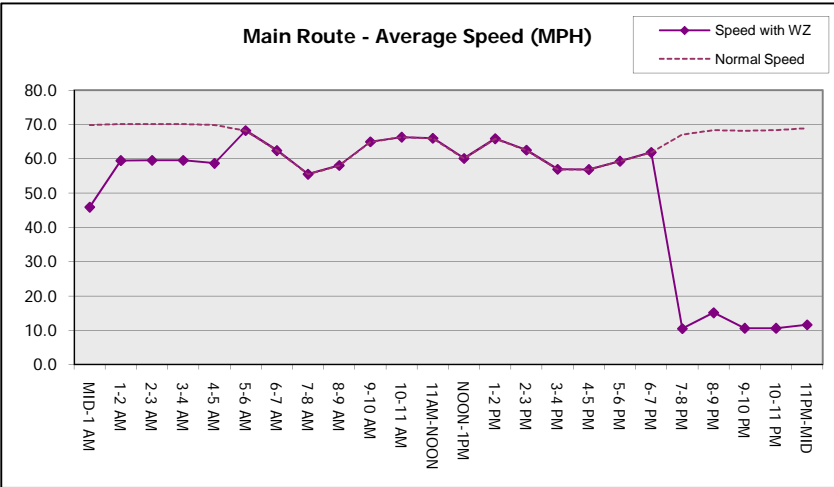
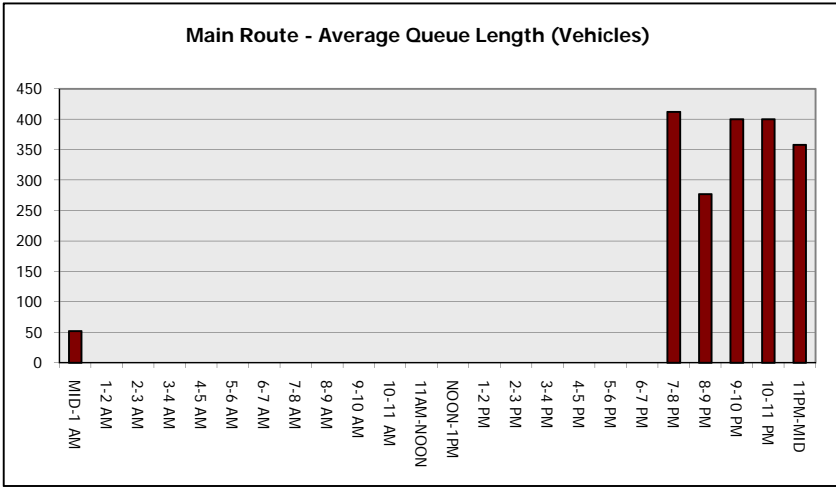
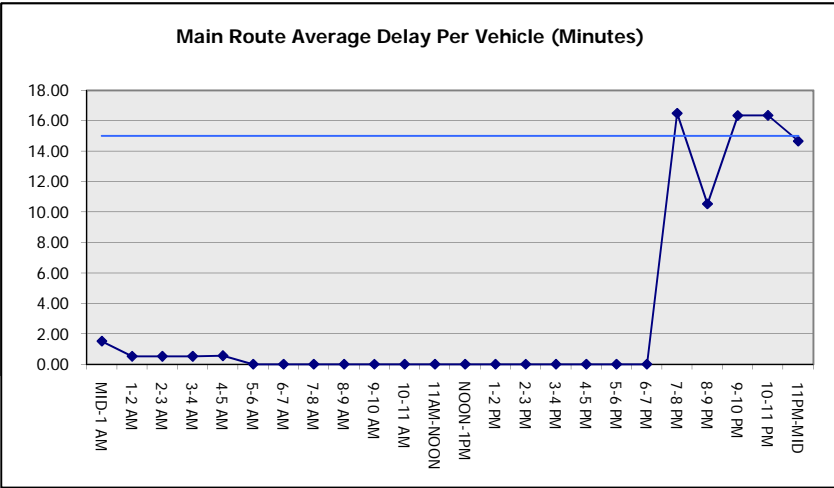
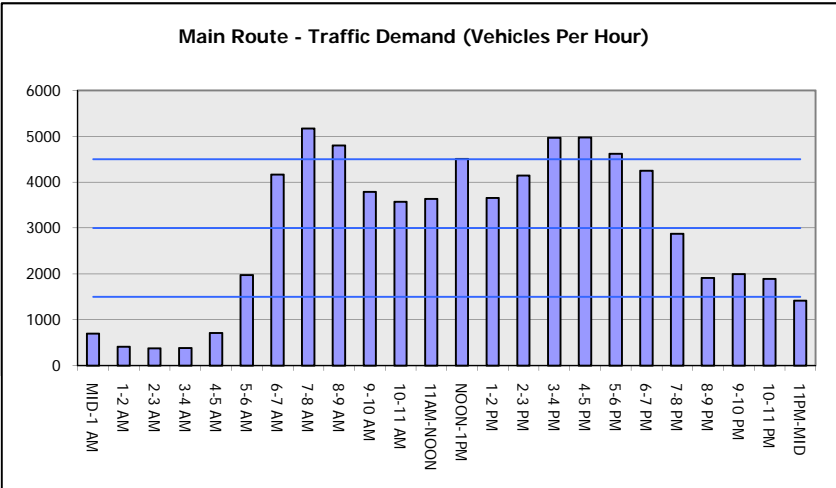
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY WESTBOUND DIRECTION



IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION (MAX QUEUE METHOD)	MAY
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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	1500	613	0	1.73	68	70.0	43.9	42.7
1-2 AM	394	0.0	1500	394	0	0.52	0	70.2	59.5	43.9
2-3 AM	309	0.0	1500	309	0	0.51	0	70.2	59.7	44.3
3-4 AM	307	0.0	1500	307	0	0.51	0	70.2	59.7	44.3
4-5 AM	631	0.0	1500	631	0	0.55	0	69.9	58.9	43.0
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	OFF	3315	0	0.00	0	66.6	66.6	66.6
11AM-NOON	3197	0.0	OFF	3197	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3877	0.0	OFF	3877	0	0.00	0	64.4	64.4	64.4
1-2 PM	3201	0.0	OFF	3201	0	0.00	0	66.8	66.8	66.8
2-3 PM	3893	0.0	OFF	3893	0	0.00	0	64.3	64.3	64.3
3-4 PM	4658	0.0	OFF	4658	0	0.00	0	59.1	59.1	59.1
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	1499	1550	1331	16.50+	412	67.1	10.4	36.6
8-9 PM	2039	0.0	1499	1817	223	11.58+	304	68.2	14.0	30.8
9-10 PM	2128	0.0	1500	1500	628	16.34+	400	68.1	10.6	30.8
10-11 PM	1664	0.0	1500	1540	124	16.17+	395	68.7	10.6	30.8
11PM-MID	1462	0.0	1500	1415	47	15.66+	382	68.9	10.9	30.8

"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'	0.0029

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$37,249
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

