

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

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	924	0.0	1499	924	0	2.00	66	69.6	41.4	39.9
1-2 AM	509	0.0	1500	509	0	0.53	0	70.1	59.2	43.5
2-3 AM	524	0.0	1500	524	0	0.54	0	70.1	59.2	43.4
3-4 AM	375	0.0	1500	375	0	0.52	0	70.2	59.6	44.0
4-5 AM	424	0.0	1500	424	0	0.52	0	70.2	59.4	43.8
5-6 AM	760	0.0	1500	760	0	0.56	0	69.8	58.6	42.5
6-7 AM	1504	0.0	1499	1504	0	1.69	25	68.9	43.8	33.1
7-8 AM	2380	0.0	1500	1849	532	13.32+	338	67.8	12.5	30.8
8-9 AM	2966	0.0	OFF	2966	0	0.36	33	67.1	59.9	59.9
9-10 AM	2327	0.0	OFF	2327	0	0.00	0	67.8	67.8	67.8
10-11 AM	2588	0.0	OFF	2588	0	0.00	0	67.5	67.5	67.5
11AM-NOON	3894	0.0	OFF	3894	0	0.00	0	64.3	64.3	64.3
NOON-1PM	3934	0.0	OFF	3934	0	0.00	0	64.0	64.0	64.0
1-2 PM	2996	0.0	OFF	2996	0	0.00	0	67.0	67.0	67.0
2-3 PM	1762	0.0	OFF	1762	0	0.00	0	68.6	68.6	68.6
3-4 PM	2508	0.0	OFF	2508	0	0.00	0	67.6	67.6	67.6
4-5 PM	3909	0.0	OFF	3909	0	0.00	0	64.1	64.1	64.1
5-6 PM	3301	0.0	OFF	3301	0	0.00	0	66.6	66.6	66.6
6-7 PM	2650	0.0	1499	1650	1000	14.21+	360	67.4	11.8	35.9
7-8 PM	1494	0.0	1499	1494	0	8.35	190	68.9	18.0	30.8
8-9 PM	1255	0.0	1500	1255	0	1.51	25	69.2	45.8	35.8
9-10 PM	2772	0.0	1499	1861	911	13.44+	334	67.3	12.4	34.7
10-11 PM	2034	0.0	1499	1500	534	16.35+	399	68.2	10.6	30.8
11PM-MID	1388	0.0	1500	1388	0	13.97	339	69.0	12.0	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	0.0266
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0037
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$44,784
CONGESTED HOURS PER DAY*	4

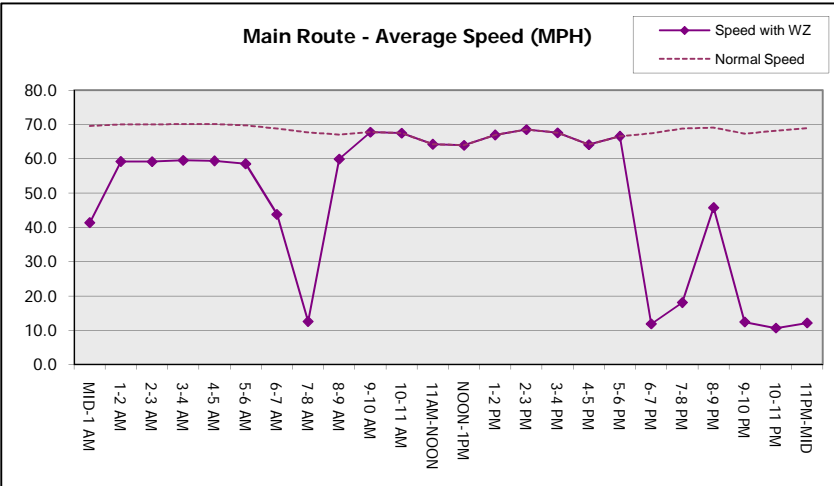
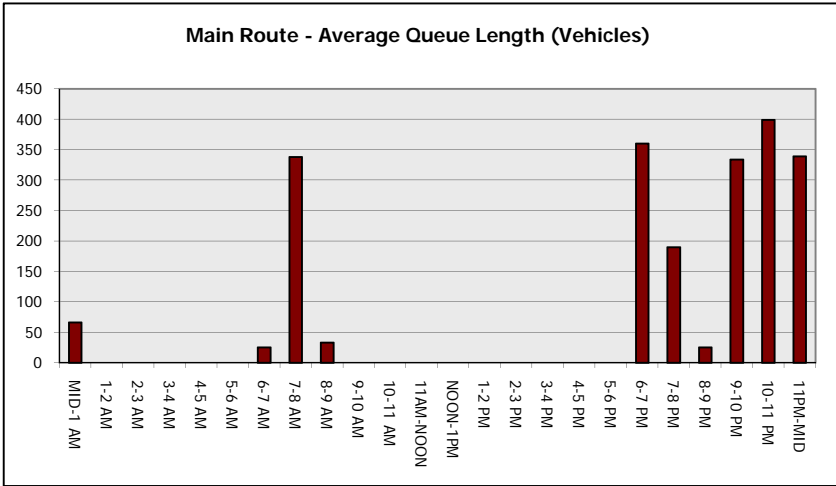
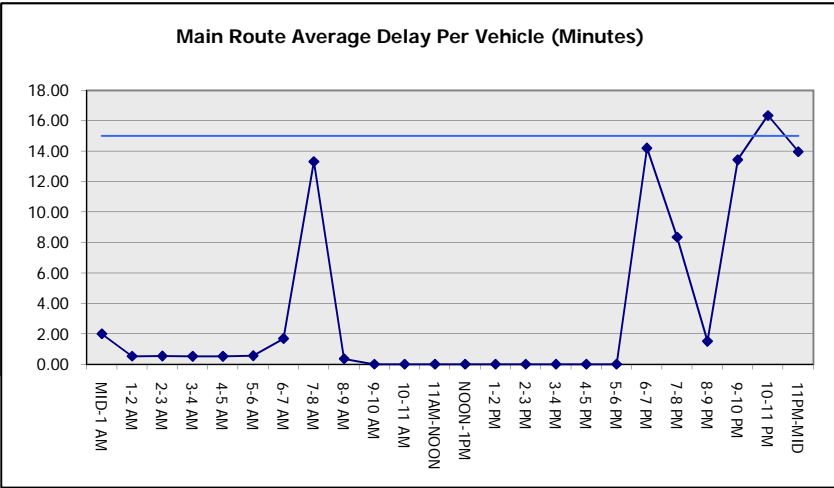
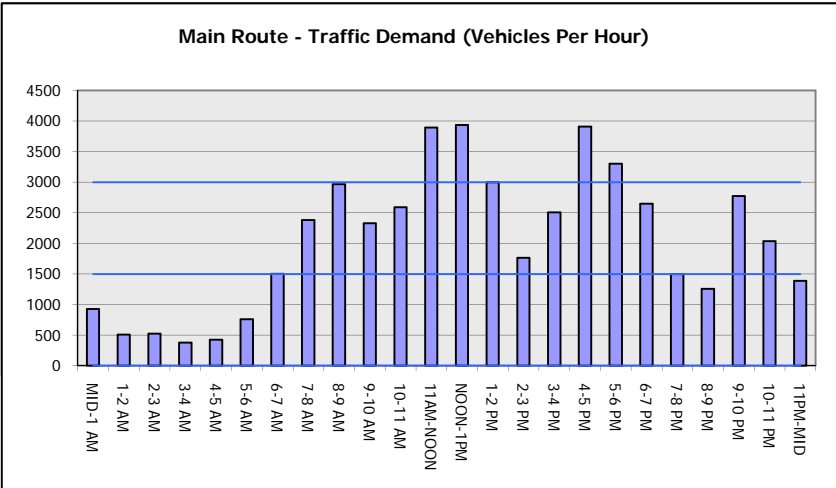
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY 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

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	936	0.0	1499	936	0	2.42	89	69.6	38.1	39.0
1-2 AM	374	0.0	1500	374	0	0.52	0	70.2	59.6	44.0
2-3 AM	336	0.0	1500	336	0	0.51	0	70.2	59.6	44.2
3-4 AM	274	0.0	1500	274	0	0.51	0	70.2	59.7	44.4
4-5 AM	307	0.0	1500	307	0	0.51	0	70.2	59.7	44.3
5-6 AM	645	0.0	1500	645	0	0.55	0	69.9	58.9	43.0
6-7 AM	1177	0.0	1499	1177	0	0.72	0	69.2	55.6	38.3
7-8 AM	1771	0.0	1499	1771	0	4.05	100	68.6	29.0	30.8
8-9 AM	2295	0.0	OFF	2295	0	0.11	9	67.9	65.4	65.4
9-10 AM	1910	0.0	OFF	1910	0	0.00	0	68.4	68.4	68.4
10-11 AM	2285	0.0	OFF	2285	0	0.00	0	67.9	67.9	67.9
11AM-NOON	3562	0.0	OFF	3562	0	0.00	0	66.3	66.3	66.3
NOON-1PM	3686	0.0	OFF	3686	0	0.00	0	65.7	65.7	65.7
1-2 PM	2895	0.0	OFF	2895	0	0.00	0	67.1	67.1	67.1
2-3 PM	1955	0.0	OFF	1955	0	0.00	0	68.3	68.3	68.3
3-4 PM	2793	0.0	OFF	2793	0	0.00	0	67.3	67.3	67.3
4-5 PM	4341	0.0	OFF	4341	0	0.00	0	61.2	61.2	61.2
5-6 PM	3917	0.0	OFF	3917	0	0.00	0	64.1	64.1	64.1
6-7 PM	2988	0.0	1499	1550	1438	16.49+	412	67.0	10.4	36.6
7-8 PM	1788	0.0	1499	1788	0	9.71	244	68.5	16.1	30.8
8-9 PM	1368	0.0	1499	1368	0	10.50	250	69.1	15.2	30.8
9-10 PM	2478	0.0	1500	1765	712	15.43+	381	67.6	11.1	30.8
10-11 PM	1943	0.0	1499	1458	485	16.20+	395	68.3	10.6	30.8
11PM-MID	1422	0.0	1499	1352	71	14.77+	360	69.0	11.5	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	0.0257
MAIN ROUTE WITH WORKS	0.0232
'DIVERSION'	0.0034

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$45,475
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

