

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (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	OFF	924	0	0.00	0	69.6	69.6	69.6	
1-2 AM	509	0.0	OFF	509	0	0.00	0	70.1	70.1	70.1	
2-3 AM	524	0.0	OFF	524	0	0.00	0	70.1	70.1	70.1	
3-4 AM	375	0.0	OFF	375	0	0.00	0	70.2	70.2	70.2	
4-5 AM	424	0.0	OFF	424	0	0.00	0	70.2	70.2	70.2	
5-6 AM	760	0.0	OFF	760	0	0.00	0	69.8	69.8	69.8	
6-7 AM	1504	0.0	OFF	1504	0	0.00	0	68.9	68.9	68.9	
7-8 AM	2380	0.0	OFF	2380	0	0.00	0	67.8	67.8	67.8	
8-9 AM	2966	0.0	3000	2966	0	0.71	0	67.1	54.4	37.8	
9-10 AM	2327	0.0	3000	2327	0	0.33	0	67.8	61.2	49.7	
10-11 AM	2588	0.0	2999	2588	0	0.45	0	67.5	58.7	45.2	
11AM-NOON	3894	0.0	2999	3894	0	6.47	404	64.3	21.5	37.3	
NOON-1PM	3934	0.0	2999	2972	961	15.84+	842	64.0	12.1	37.3	
1-2 PM	2996	0.0	2999	2859	137	15.51+	815	67.0	12.3	37.3	
2-3 PM	1762	0.0	2999	1762	0	2.29	222	68.6	38.8	48.7	
3-4 PM	2508	0.0	2999	2508	0	0.45	0	67.6	58.8	45.3	
4-5 PM	3909	0.0	2999	3909	0	6.95	429	64.1	20.6	37.3	
5-6 PM	3301	0.0	2999	2935	366	15.80+	831	66.6	12.2	37.3	
6-7 PM	2650	0.0	OFF	2650	0	1.11	106	67.4	49.3	49.3	
7-8 PM	1494	0.0	OFF	1494	0	0.00	0	68.9	68.9	68.9	
8-9 PM	1255	0.0	OFF	1255	0	0.00	0	69.2	69.2	69.2	
9-10 PM	2772	0.0	OFF	2772	0	0.00	0	67.3	67.3	67.3	
10-11 PM	2034	0.0	OFF	2034	0	0.00	0	68.2	68.2	68.2	
11PM-MID	1388	0.0	OFF	1388	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

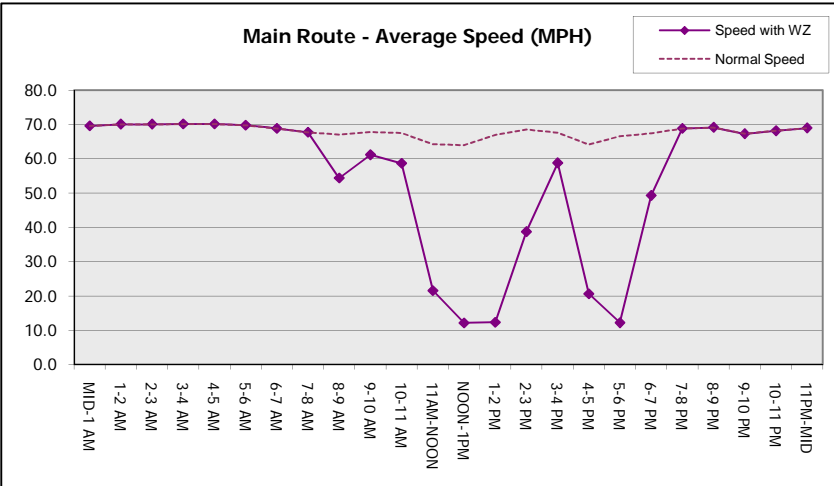
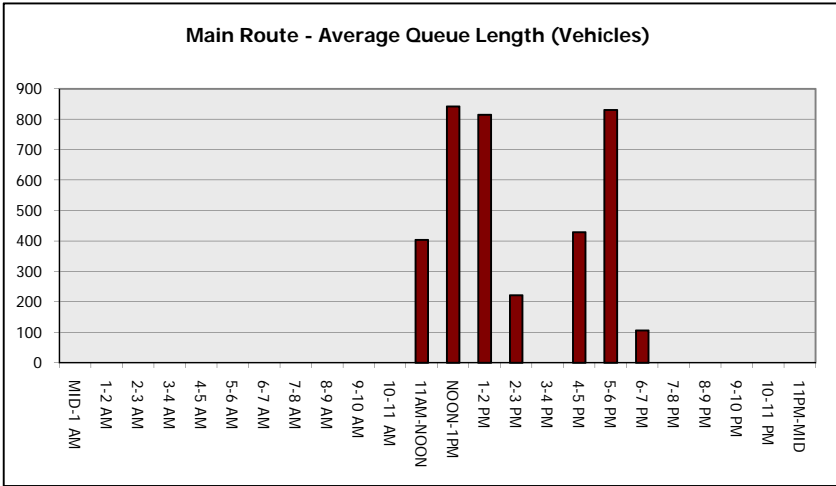
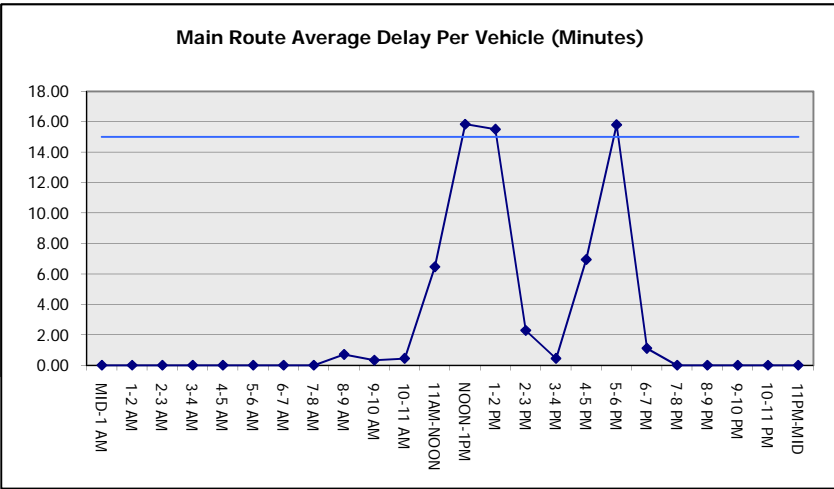
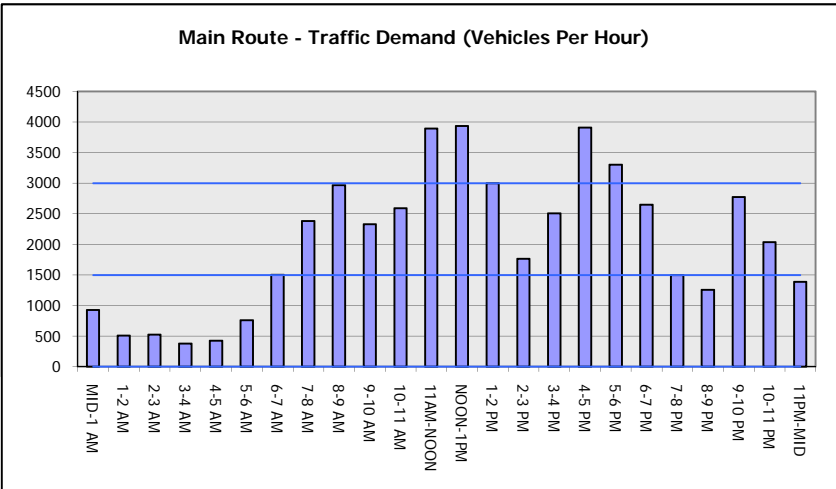
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0266
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0018
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,688
CONGESTED HOURS PER DAY*	3

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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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	OFF	936	0	0.00	0	69.6	69.6	69.6
1-2 AM	374	0.0	OFF	374	0	0.00	0	70.2	70.2	70.2
2-3 AM	336	0.0	OFF	336	0	0.00	0	70.2	70.2	70.2
3-4 AM	274	0.0	OFF	274	0	0.00	0	70.2	70.2	70.2
4-5 AM	307	0.0	OFF	307	0	0.00	0	70.2	70.2	70.2
5-6 AM	645	0.0	OFF	645	0	0.00	0	69.9	69.9	69.9
6-7 AM	1177	0.0	OFF	1177	0	0.00	0	69.2	69.2	69.2
7-8 AM	1771	0.0	OFF	1771	0	0.00	0	68.6	68.6	68.6
8-9 AM	2295	0.0	3000	2295	0	0.33	0	67.9	61.2	49.7
9-10 AM	1910	0.0	3000	1910	0	0.34	0	68.4	61.4	49.7
10-11 AM	2285	0.0	2999	2285	0	0.36	0	67.9	60.5	48.4
11AM-NOON	3562	0.0	2999	3562	0	4.17	237	66.3	28.1	37.3
NOON-1PM	3686	0.0	3000	3294	392	14.96+	791	65.7	12.5	37.3
1-2 PM	2895	0.0	2999	2824	71	15.17+	796	67.1	12.4	37.3
2-3 PM	1955	0.0	2999	1955	0	2.45	223	68.3	37.5	48.1
3-4 PM	2793	0.0	2999	2793	0	0.73	11	67.3	54.2	42.1
4-5 PM	4341	0.0	3000	3718	624	9.86+	592	61.2	16.3	37.3
5-6 PM	3917	0.0	3000	3047	871	15.87+	843	64.1	12.1	37.3
6-7 PM	2988	0.0	OFF	2988	0	1.19	108	67.0	48.2	48.2
7-8 PM	1788	0.0	OFF	1788	0	0.00	0	68.5	68.5	68.5
8-9 PM	1368	0.0	OFF	1368	0	0.00	0	69.1	69.1	69.1
9-10 PM	2478	0.0	OFF	2478	0	0.00	0	67.6	67.6	67.6
10-11 PM	1943	0.0	OFF	1943	0	0.00	0	68.3	68.3	68.3
11PM-MID	1422	0.0	OFF	1422	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	0.0257
MAIN ROUTE WITH WORKS	0.0228
'DIVERSION'	0.0025

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$63,343
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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