

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) OFF-PEAK DAY 2 LANE 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	1499	1577	1388	15.12+	380	67.1	11.2	36.4	
9-10 AM	2327	0.0	1499	1831	497	13.34+	339	67.8	12.5	32.0	
10-11 AM	2588	0.0	1499	1500	1088	16.32+	399	67.5	10.6	30.8	
11AM-NOON	3894	0.0	1500	1500	2394	16.16+	400	64.3	10.6	30.8	
NOON-1PM	3934	0.0	1500	1500	2434	16.15+	400	64.0	10.6	30.8	
1-2 PM	2996	0.0	1500	1500	1496	16.29+	400	67.0	10.6	30.8	
2-3 PM	1762	0.0	1500	1500	262	16.36+	400	68.6	10.6	30.8	
3-4 PM	2508	0.0	1500	1500	1008	16.32+	400	67.6	10.6	30.8	
4-5 PM	3909	0.0	1500	1500	2409	16.16+	400	64.1	10.6	30.8	
5-6 PM	3301	0.0	1500	1500	1801	16.28+	400	66.6	10.6	30.8	
6-7 PM	2650	0.0	OFF	2650	0	0.27	24	67.4	61.9	61.9	
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

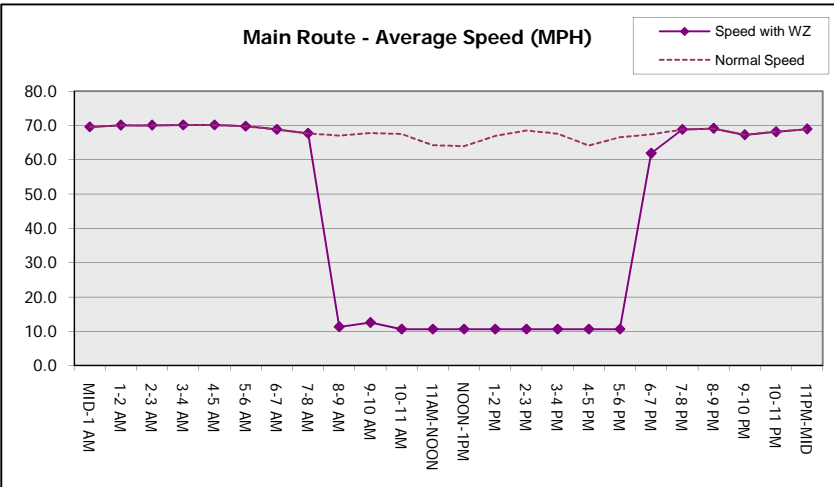
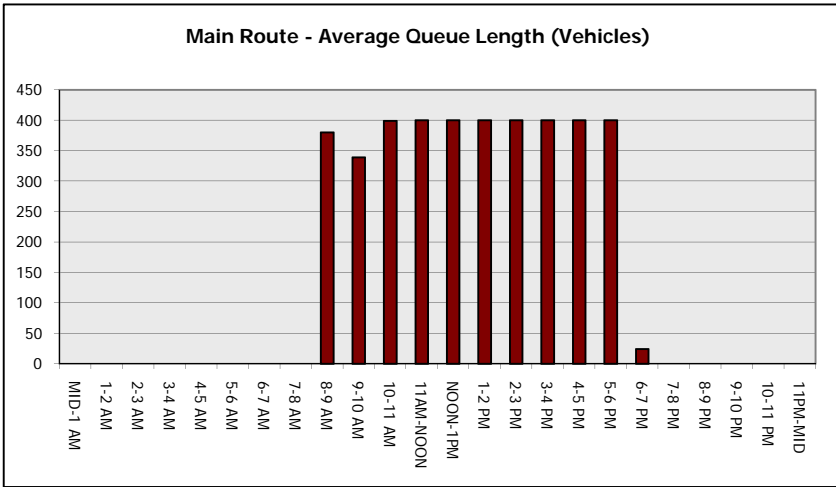
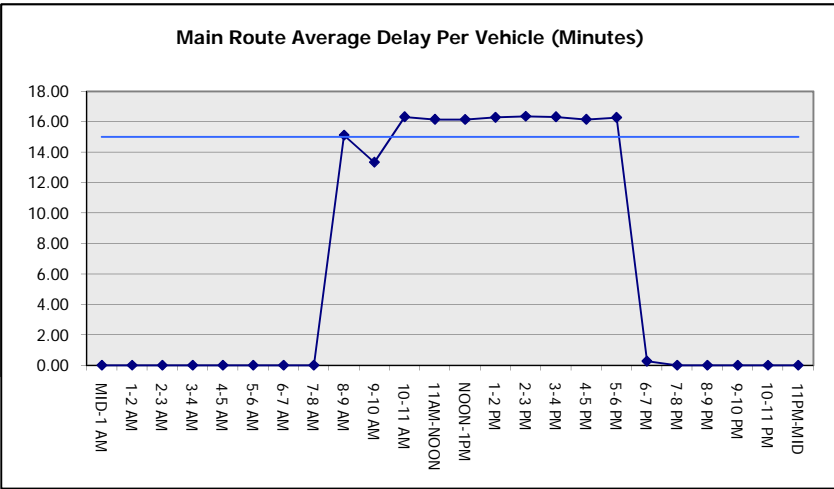
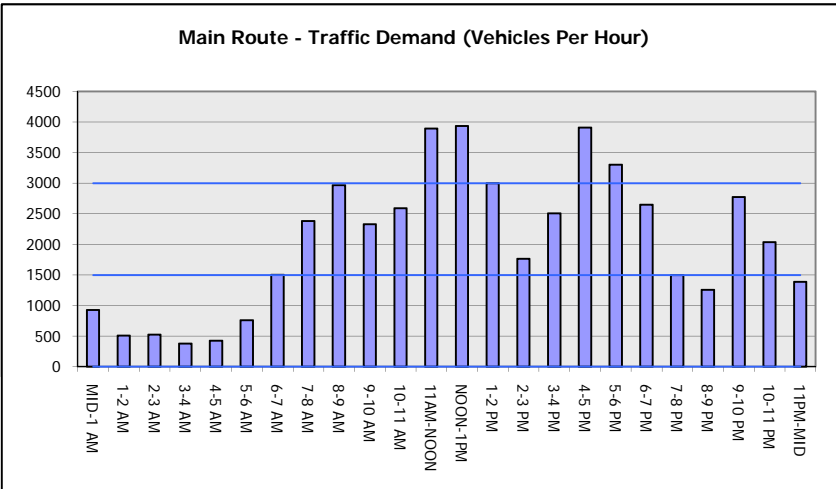
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0266
MAIN ROUTE WITH WORKS	0.0176
'DIVERSION'	0.0185
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$131,363
CONGESTED HOURS PER DAY*	10

*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) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (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	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	1499	1889	406	11.41+	297	67.9	14.2	30.8
9-10 AM	1910	0.0	1500	1500	410	16.35+	400	68.4	10.6	30.8
10-11 AM	2285	0.0	1500	1500	785	16.33+	400	67.9	10.6	30.8
11AM-NOON	3562	0.0	1500	1500	2062	16.26+	400	66.3	10.6	30.8
NOON-1PM	3686	0.0	1500	1500	2186	16.23+	400	65.7	10.6	30.8
1-2 PM	2895	0.0	1500	1500	1395	16.30+	400	67.1	10.6	30.8
2-3 PM	1955	0.0	1500	1500	455	16.35+	400	68.3	10.6	30.8
3-4 PM	2793	0.0	1500	1500	1293	16.31+	400	67.3	10.6	30.8
4-5 PM	4341	0.0	1500	1500	2841	16.01+	400	61.2	10.6	30.8
5-6 PM	3917	0.0	1500	1500	2417	16.16+	400	64.1	10.6	30.8
6-7 PM	2988	0.0	OFF	2988	0	0.27	25	67.0	61.5	61.5
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	0.0169
'DIVERSION'	0.0179

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$128,633
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

