

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	884	0.0	OFF	884	0	0.00	0	69.6	69.6	69.6
1-2 AM	600	0.0	OFF	600	0	0.00	0	70.0	70.0	70.0
2-3 AM	260	0.0	OFF	260	0	0.00	0	70.2	70.2	70.2
3-4 AM	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2
4-5 AM	106	0.0	OFF	106	0	0.00	0	70.2	70.2	70.2
5-6 AM	174	0.0	OFF	174	0	0.00	0	70.2	70.2	70.2
6-7 AM	279	0.0	OFF	279	0	0.00	0	70.2	70.2	70.2
7-8 AM	773	0.0	OFF	773	0	0.00	0	69.8	69.8	69.8
8-9 AM	852	0.0	OFF	852	0	0.00	0	69.7	69.7	69.7
9-10 AM	1820	0.0	3000	1820	0	0.34	0	68.5	61.5	49.7
10-11 AM	2218	0.0	3000	2218	0	0.33	0	68.0	61.2	49.7
11AM-NOON	2503	0.0	2999	2503	0	0.41	0	67.6	59.5	46.6
NOON-1PM	3413	0.0	2999	3413	0	3.32	173	66.5	31.9	37.3
1-2 PM	3578	0.0	3000	3423	155	12.80+	683	66.3	13.6	37.3
2-3 PM	3368	0.0	3000	3000	368	15.89+	837	66.6	12.2	37.3
3-4 PM	3443	0.0	3000	3000	442	15.89+	837	66.4	12.2	37.3
4-5 PM	3491	0.0	3000	3000	491	15.89+	837	66.4	12.2	37.3
5-6 PM	3301	0.0	3000	3000	301	15.89+	836	66.6	12.2	37.3
6-7 PM	2989	0.0	3000	2923	66	15.55+	817	67.0	12.3	37.3
7-8 PM	2158	0.0	OFF	2158	0	0.79	75	68.1	53.8	53.8
8-9 PM	1585	0.0	OFF	1585	0	0.00	0	68.7	68.7	68.7
9-10 PM	1266	0.0	OFF	1266	0	0.00	0	69.2	69.2	69.2
10-11 PM	1120	0.0	OFF	1120	0	0.00	0	69.4	69.4	69.4
11PM-MID	537	0.0	OFF	537	0	0.00	0	70.0	70.0	70.0

"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	0.0221
MAIN ROUTE WITH WORKS	0.0193
'DIVERSION'	0.0023
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,069
CONGESTED HOURS PER DAY*	6

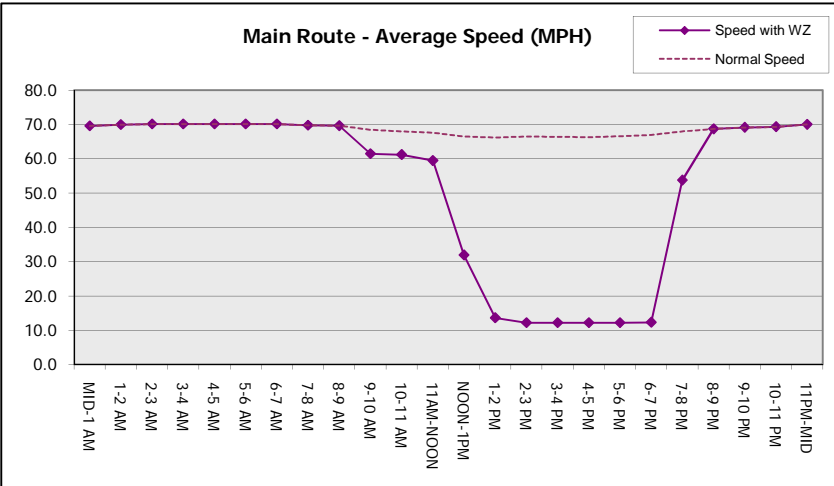
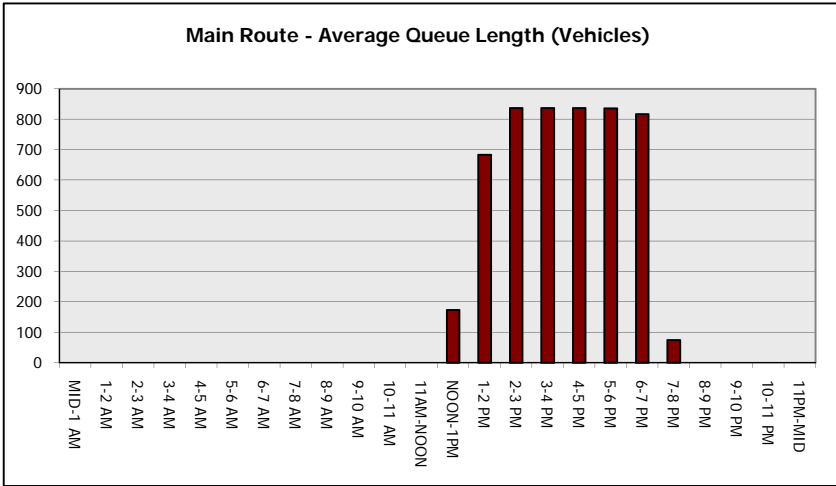
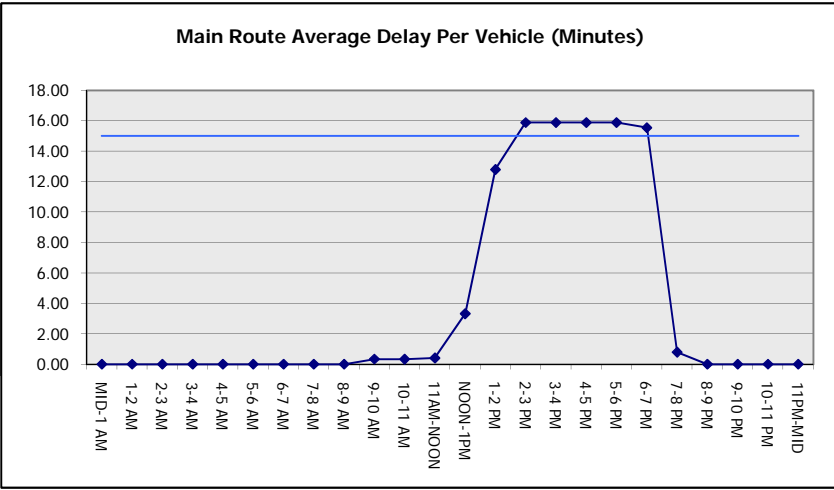
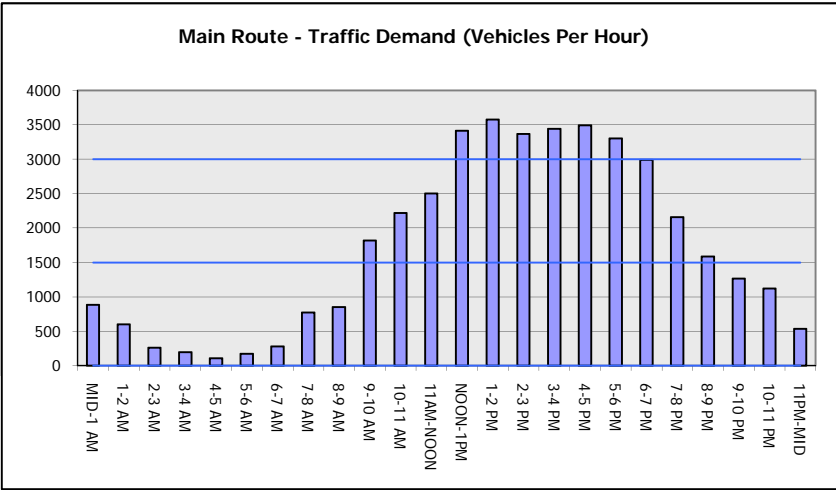
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



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

SUNDAY 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	609	0.0	OFF	609	0	0.00	0	70.0	70.0	70.0
1-2 AM	306	0.0	OFF	306	0	0.00	0	70.2	70.2	70.2
2-3 AM	143	0.0	OFF	143	0	0.00	0	70.2	70.2	70.2
3-4 AM	132	0.0	OFF	132	0	0.00	0	70.2	70.2	70.2
4-5 AM	100	0.0	OFF	100	0	0.00	0	70.2	70.2	70.2
5-6 AM	136	0.0	OFF	136	0	0.00	0	70.2	70.2	70.2
6-7 AM	252	0.0	OFF	252	0	0.00	0	70.2	70.2	70.2
7-8 AM	684	0.0	OFF	684	0	0.00	0	69.9	69.9	69.9
8-9 AM	847	0.0	OFF	847	0	0.00	0	69.7	69.7	69.7
9-10 AM	1848	0.0	3000	1848	0	0.34	0	68.4	61.5	49.7
10-11 AM	2375	0.0	2999	2375	0	0.37	0	67.8	60.4	48.1
11AM-NOON	2930	0.0	2999	2930	0	0.82	10	67.1	52.8	39.1
NOON-1PM	3583	0.0	3000	3583	0	5.50	308	66.3	23.8	37.3
1-2 PM	3660	0.0	2999	3275	385	15.28+	807	65.8	12.4	37.3
2-3 PM	3506	0.0	2999	2982	525	15.89+	837	66.4	12.2	37.3
3-4 PM	3479	0.0	2999	2990	489	15.90+	837	66.4	12.2	37.3
4-5 PM	3708	0.0	2999	2993	716	15.86+	838	65.5	12.2	37.3
5-6 PM	3567	0.0	2999	2994	573	15.90+	837	66.3	12.2	37.3
6-7 PM	3388	0.0	2999	2995	393	15.89+	837	66.5	12.2	37.3
7-8 PM	2541	0.0	OFF	2541	0	1.10	105	67.6	49.5	49.5
8-9 PM	2059	0.0	OFF	2059	0	0.00	0	68.2	68.2	68.2
9-10 PM	1618	0.0	OFF	1618	0	0.00	0	68.7	68.7	68.7
10-11 PM	1260	0.0	OFF	1260	0	0.00	0	69.2	69.2	69.2
11PM-MID	488	0.0	OFF	488	0	0.00	0	70.1	70.1	70.1

"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	0.0234
MAIN ROUTE WITH WORKS	0.0198
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$98,642
CONGESTED HOURS PER DAY*	6

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

