

IH 94: USH 18 TO CTH O (WAUKESHA COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	699	0.0	3000	699	0	0.36	0	69.9	62.3	49.7
1-2 AM	630	0.0	3000	630	0	0.36	0	69.9	62.3	49.7
2-3 AM	579	0.0	3000	579	0	0.36	0	70.0	62.3	49.7
3-4 AM	419	0.0	3000	419	0	0.36	0	70.2	62.5	49.7
4-5 AM	501	0.0	3000	501	0	0.36	0	70.1	62.4	49.7
5-6 AM	621	0.0	3000	621	0	0.36	0	70.0	62.3	49.7
6-7 AM	969	0.0	3000	969	0	0.35	0	69.6	62.1	49.7
7-8 AM	1064	0.0	3000	1064	0	0.35	0	69.4	62.0	49.7
8-9 AM	2257	0.0	3000	2257	0	0.33	0	67.9	61.2	49.7
9-10 AM	1968	0.0	3000	1968	0	0.34	0	68.3	61.4	49.7
10-11 AM	2108	0.0	2999	2108	0	0.33	0	68.1	61.3	49.7
11AM-NOON	3381	0.0	2999	3381	0	2.55	129	66.5	36.3	37.3
NOON-1PM	4064	0.0	3000	3501	563	13.82+	749	63.1	13.0	37.3
1-2 PM	3299	0.0	2999	2933	366	15.79+	830	66.6	12.2	37.3
2-3 PM	2356	0.0	2999	2356	0	8.31	465	67.8	18.3	39.0
3-4 PM	4194	0.0	3000	3569	625	11.06+	637	62.2	15.1	37.3
4-5 PM	3816	0.0	3000	3052	764	15.90+	843	64.8	12.1	37.3
5-6 PM	3421	0.0	3000	3010	411	15.89+	837	66.5	12.2	37.3
6-7 PM	2946	0.0	3000	2946	0	15.33+	804	67.1	12.4	37.3
7-8 PM	2465	0.0	2999	2465	0	9.22	502	67.7	16.9	38.6
8-9 PM	2245	0.0	3000	2245	0	0.67	28	67.9	55.5	49.6
9-10 PM	2868	0.0	3000	2868	0	0.64	0	67.2	55.5	39.4
10-11 PM	2017	0.0	3000	2017	0	0.33	0	68.2	61.4	49.7
11PM-MID	901	0.0	3000	901	0	0.35	0	69.6	62.2	49.7

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

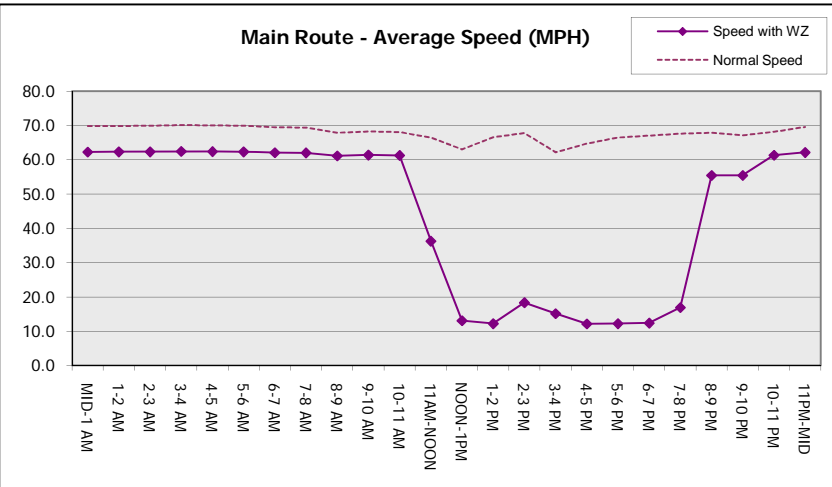
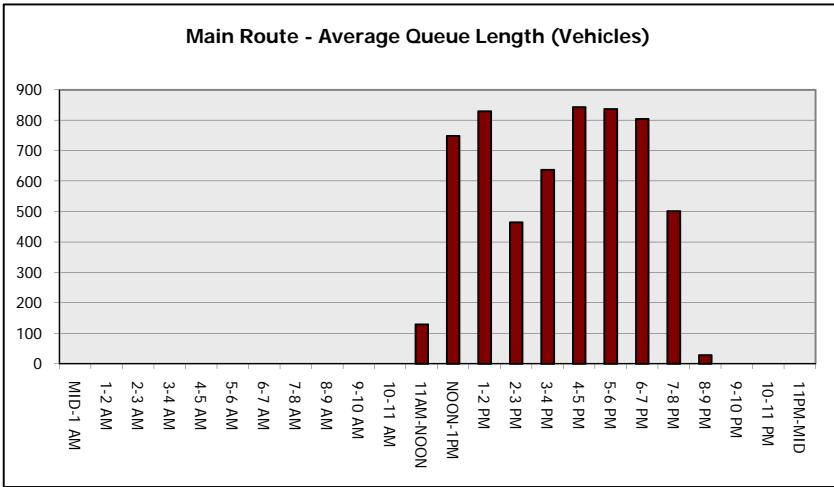
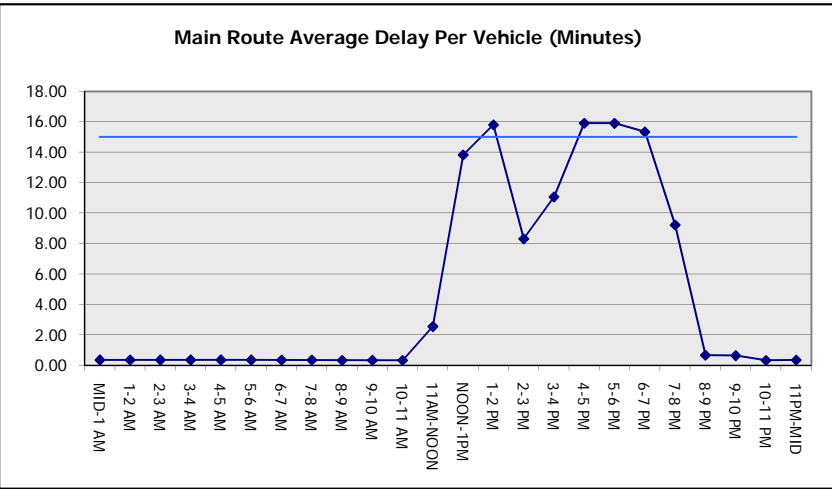
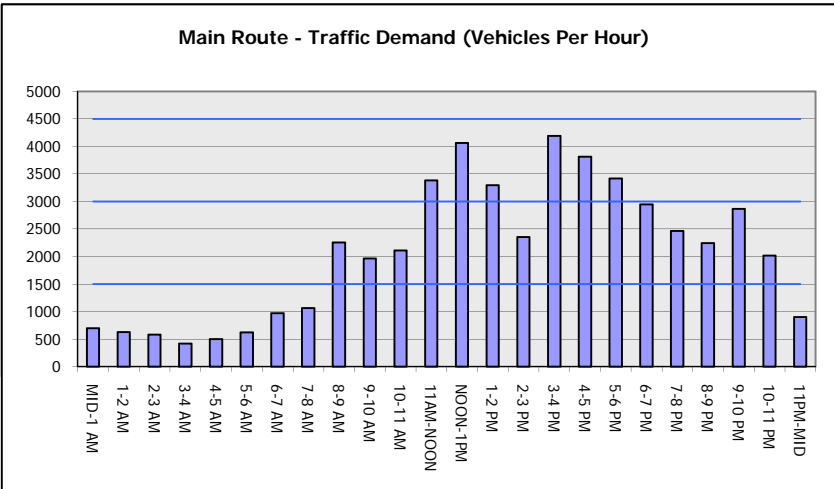
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0269
MAIN ROUTE WITH WORKS	0.0223
'DIVERSION'	0.0034
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$105,109
CONGESTED HOURS PER DAY*	6

*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) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	488	0.0	3000	488	0	0.36	0	70.1	62.4	49.7
1-2 AM	447	0.0	3000	447	0	0.36	0	70.2	62.5	49.7
2-3 AM	320	0.0	3000	320	0	0.36	0	70.2	62.5	49.7
3-4 AM	279	0.0	3000	279	0	0.36	0	70.2	62.5	49.7
4-5 AM	444	0.0	3000	444	0	0.36	0	70.2	62.5	49.7
5-6 AM	557	0.0	3000	557	0	0.36	0	70.0	62.3	49.7
6-7 AM	774	0.0	3000	774	0	0.35	0	69.8	62.2	49.7
7-8 AM	840	0.0	3000	840	0	0.35	0	69.7	62.2	49.7
8-9 AM	1984	0.0	3000	1984	0	0.33	0	68.2	61.4	49.7
9-10 AM	1839	0.0	3000	1839	0	0.34	0	68.4	61.5	49.7
10-11 AM	2074	0.0	2999	2074	0	0.33	0	68.2	61.3	49.7
11AM-NOON	3684	0.0	2999	3684	0	4.58	278	65.7	26.5	37.3
NOON-1PM	4118	0.0	2999	3129	988	15.80+	844	62.7	12.1	37.3
1-2 PM	3414	0.0	3000	3005	409	15.89+	837	66.5	12.2	37.3
2-3 PM	2477	0.0	2999	2477	0	9.90	529	67.6	16.1	37.3
3-4 PM	4316	0.0	3000	3561	755	12.89+	714	61.4	13.5	37.3
4-5 PM	4218	0.0	3000	2987	1231	15.79+	845	62.0	12.1	37.3
5-6 PM	3824	0.0	3000	2999	825	15.83+	838	64.7	12.2	37.3
6-7 PM	3355	0.0	3000	2999	356	15.89+	837	66.6	12.2	37.3
7-8 PM	2818	0.0	2999	2818	0	14.81+	777	67.3	12.5	37.3
8-9 PM	2504	0.0	2999	2504	0	7.72	418	67.6	19.1	38.5
9-10 PM	2593	0.0	3000	2593	0	1.08	40	67.5	49.7	43.3
10-11 PM	1859	0.0	3000	1859	0	0.34	0	68.4	61.5	49.7
11PM-MID	606	0.0	3000	606	0	0.36	0	70.0	62.3	49.7

+ 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	0.0270
MAIN ROUTE WITH WORKS	0.0215
'DIVERSION'	0.0057

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$130,617
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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