

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

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	840	0.0	1500	840	0	0.57	0	69.7	58.3	42.2	
1-2 AM	565	0.0	1500	565	0	0.54	0	70.0	59.1	43.3	
2-3 AM	536	0.0	1500	536	0	0.54	0	70.0	59.2	43.3	
3-4 AM	295	0.0	1500	295	0	0.51	0	70.2	59.7	44.3	
4-5 AM	250	0.0	1500	250	0	0.50	0	70.2	59.8	44.5	
5-6 AM	411	0.0	1500	411	0	0.52	0	70.2	59.5	43.8	
6-7 AM	754	0.0	1500	754	0	0.56	0	69.8	58.6	42.5	
7-8 AM	1193	0.0	1499	1193	0	0.71	0	69.2	55.8	38.5	
8-9 AM	1583	0.0	1499	1583	0	1.90	29	68.7	41.9	31.5	
9-10 AM	2398	0.0	OFF	2398	0	0.03	1	67.8	67.2	67.2	
10-11 AM	2698	0.0	OFF	2698	0	0.00	0	67.4	67.4	67.4	
11AM-NOON	2741	0.0	OFF	2741	0	0.00	0	67.3	67.3	67.3	
NOON-1PM	3191	0.0	OFF	3191	0	0.00	0	66.8	66.8	66.8	
1-2 PM	3491	0.0	OFF	3491	0	0.00	0	66.4	66.4	66.4	
2-3 PM	3232	0.0	OFF	3232	0	0.00	0	66.7	66.7	66.7	
3-4 PM	3439	0.0	OFF	3439	0	0.00	0	66.4	66.4	66.4	
4-5 PM	3470	0.0	OFF	3470	0	0.00	0	66.4	66.4	66.4	
5-6 PM	3334	0.0	OFF	3334	0	0.00	0	66.6	66.6	66.6	
6-7 PM	2590	0.0	OFF	2590	0	0.00	0	67.5	67.5	67.5	
7-8 PM	1933	0.0	1499	1933	0	9.27+	248	68.3	16.6	30.8	
8-9 PM	1579	0.0	1499	1456	123	16.19+	395	68.7	10.6	30.8	
9-10 PM	1105	0.0	1499	1105	0	7.09	210	69.4	20.3	34.6	
10-11 PM	961	0.0	1500	961	0	0.58	0	69.6	58.0	41.8	
11PM-MID	583	0.0	1500	583	0	0.54	0	70.0	59.0	43.2	

"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	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

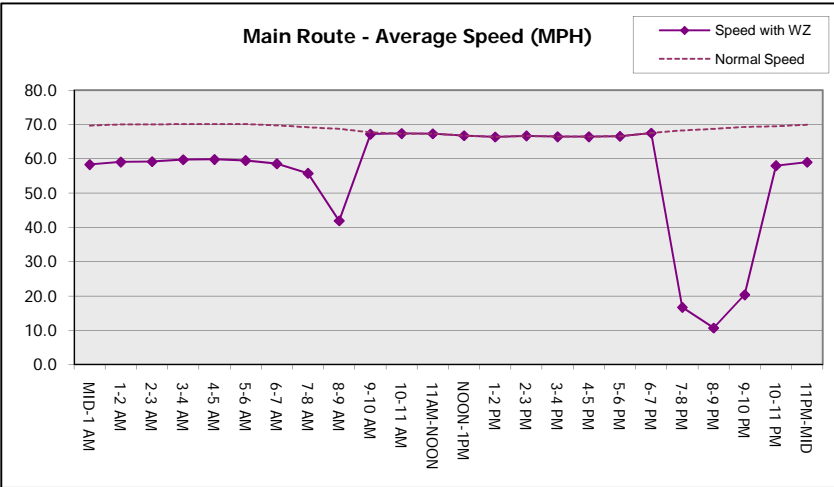
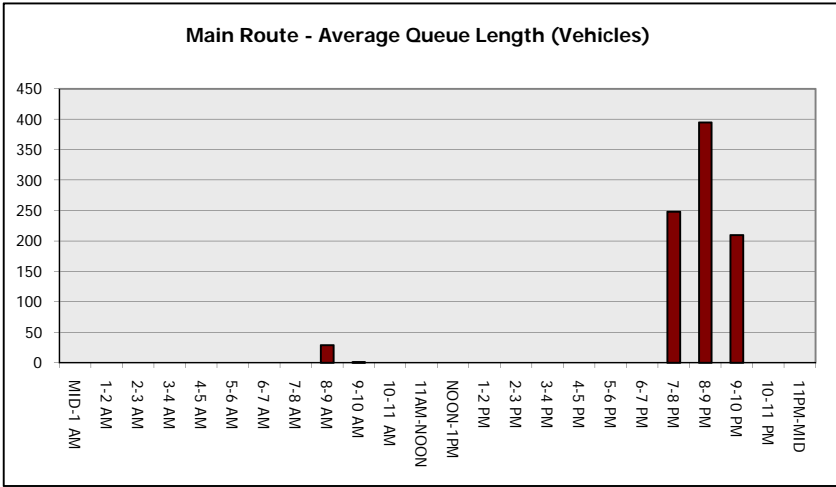
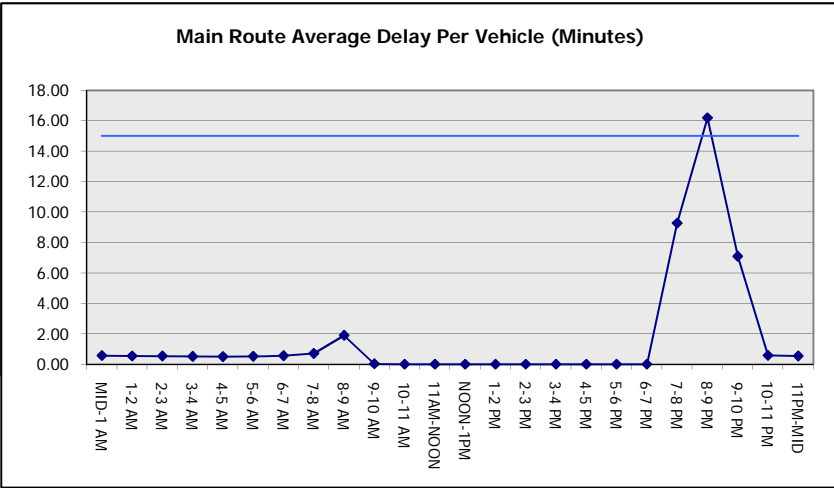
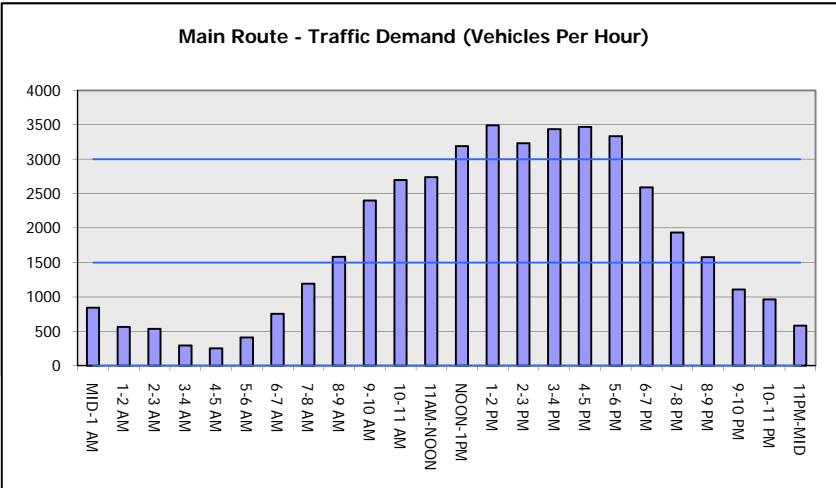
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0225
'DIVERSION'	0.0002
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$15,654
CONGESTED HOURS PER DAY*	2

*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) NIGHTTIME 2 LANE CLOSURE NO DIVERSION (MAX QUEUE METHOD)	MAY
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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	756	0.0	1500	756	0	0.56	0	69.8	58.6	42.5
1-2 AM	446	0.0	1500	446	0	0.53	0	70.2	59.4	43.7
2-3 AM	322	0.0	1500	322	0	0.51	0	70.2	59.7	44.2
3-4 AM	211	0.0	1500	211	0	0.50	0	70.2	59.9	44.6
4-5 AM	225	0.0	1500	225	0	0.50	0	70.2	59.9	44.6
5-6 AM	323	0.0	1500	323	0	0.51	0	70.2	59.7	44.2
6-7 AM	629	0.0	1500	629	0	0.55	0	69.9	58.9	43.0
7-8 AM	914	0.0	1499	914	0	0.58	0	69.6	58.1	42.0
8-9 AM	1408	0.0	1499	1408	0	1.19	8	69.0	49.1	33.8
9-10 AM	2179	0.0	OFF	2179	0	0.00	0	68.0	67.9	67.9
10-11 AM	2617	0.0	OFF	2617	0	0.00	0	67.5	67.5	67.5
11AM-NOON	3056	0.0	OFF	3056	0	0.00	0	66.9	66.9	66.9
NOON-1PM	3212	0.0	OFF	3212	0	0.00	0	66.8	66.8	66.8
1-2 PM	3460	0.0	OFF	3460	0	0.00	0	66.4	66.4	66.4
2-3 PM	3232	0.0	OFF	3232	0	0.00	0	66.7	66.7	66.7
3-4 PM	3383	0.0	OFF	3383	0	0.00	0	66.5	66.5	66.5
4-5 PM	2947	0.0	OFF	2947	0	0.00	0	67.1	67.1	67.1
5-6 PM	3261	0.0	OFF	3261	0	0.00	0	66.7	66.7	66.7
6-7 PM	3193	0.0	OFF	3193	0	0.00	0	66.8	66.8	66.8
7-8 PM	2447	0.0	1499	1861	586	13.06+	324	67.7	12.7	33.1
8-9 PM	2021	0.0	1499	1500	521	16.35+	399	68.2	10.6	30.8
9-10 PM	1368	0.0	1500	1368	0	13.34	324	69.1	12.5	30.8
10-11 PM	1099	0.0	1499	1099	0	2.54	81	69.4	37.2	37.4
11PM-MID	621	0.0	1500	621	0	0.55	0	70.0	58.9	43.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0221
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$24,287
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

