

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND 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	627	0.0	OFF	627	0	0.00	0	69.9	69.9	69.9	
1-2 AM	346	0.0	OFF	346	0	0.00	0	70.2	70.2	70.2	
2-3 AM	275	0.0	OFF	275	0	0.00	0	70.2	70.2	70.2	
3-4 AM	272	0.0	OFF	272	0	0.00	0	70.2	70.2	70.2	
4-5 AM	433	0.0	OFF	433	0	0.00	0	70.2	70.2	70.2	
5-6 AM	766	0.0	OFF	766	0	0.00	0	69.8	69.8	69.8	
6-7 AM	1310	0.0	OFF	1310	0	0.00	0	69.1	69.1	69.1	
7-8 AM	1681	0.0	OFF	1681	0	0.00	0	68.6	68.6	68.6	
8-9 AM	2233	0.0	2999	2233	0	0.33	0	67.9	62.8	49.7	
9-10 AM	2918	0.0	2999	2918	0	0.77	6	67.1	56.5	39.1	
10-11 AM	3319	0.0	3000	3319	0	3.36	161	66.6	36.8	37.3	
11AM-NOON	3710	0.0	3000	3403	308	11.97+	648	65.5	17.0	37.3	
NOON-1PM	3652	0.0	2999	3000	652	15.18+	799	65.9	14.2	37.3	
1-2 PM	3686	0.0	3000	3000	686	15.16+	800	65.6	14.2	37.3	
2-3 PM	3660	0.0	3000	3000	660	15.17+	800	65.8	14.2	37.3	
3-4 PM	3523	0.0	3000	3000	523	15.21+	800	66.4	14.2	37.3	
4-5 PM	3371	0.0	3000	3022	349	15.17+	797	66.6	14.3	37.3	
5-6 PM	3120	0.0	3000	3028	92	15.12+	793	66.9	14.3	37.3	
6-7 PM	2746	0.0	OFF	2746	0	1.04	98	67.3	53.7	53.7	
7-8 PM	2261	0.0	OFF	2261	0	0.00	0	67.9	67.9	67.9	
8-9 PM	2099	0.0	OFF	2099	0	0.00	0	68.1	68.1	68.1	
9-10 PM	1888	0.0	OFF	1888	0	0.00	0	68.4	68.4	68.4	
10-11 PM	1493	0.0	OFF	1493	0	0.00	0	68.9	68.9	68.9	
11PM-MID	1115	0.0	OFF	1115	0	0.00	0	69.4	69.4	69.4	

"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

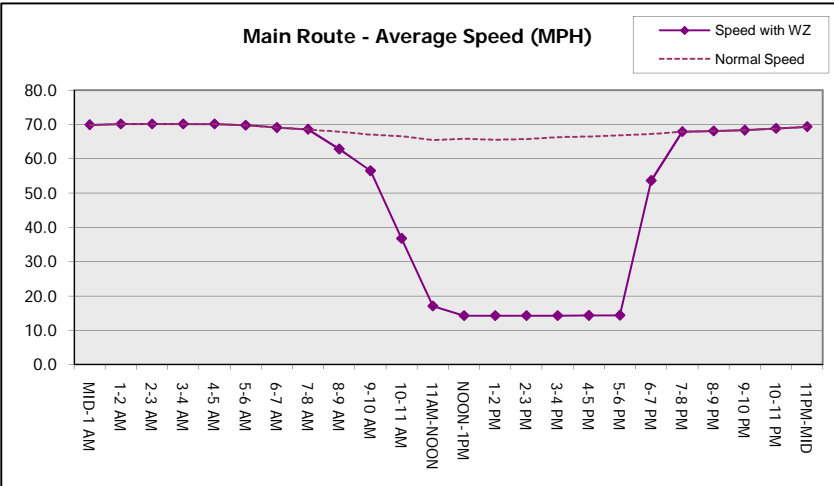
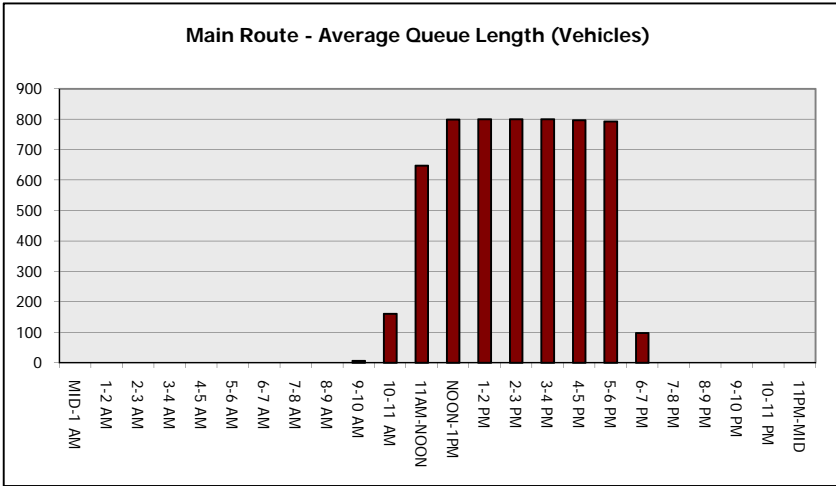
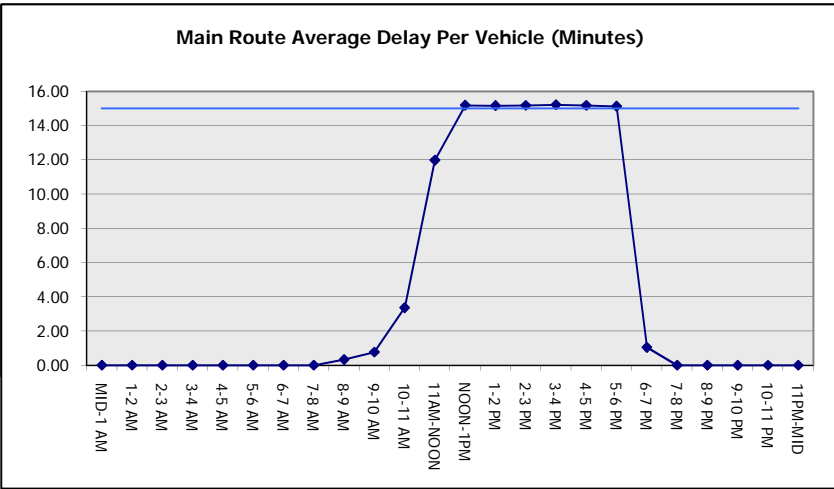
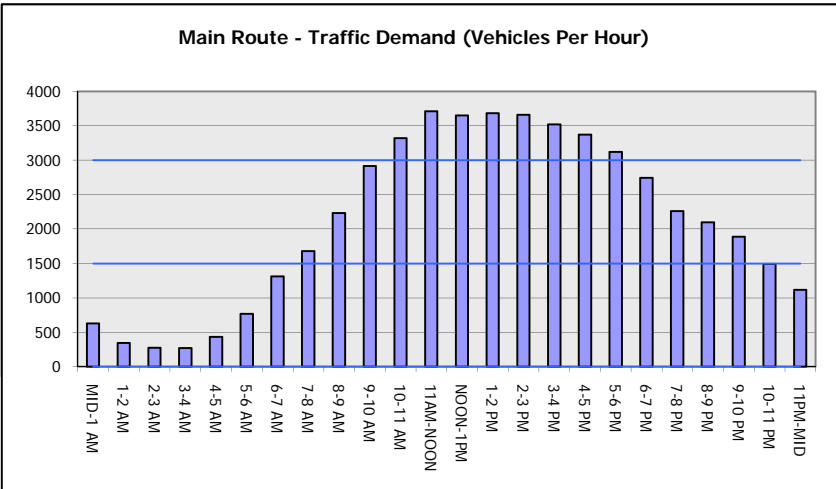
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0370
MAIN ROUTE WITH WORKS	0.0326
'DIVERSION'	0.0055
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$102,619
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND 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	945	0.0	OFF	945	0	0.00	0	69.6	69.6	69.6
1-2 AM	518	0.0	OFF	518	0	0.00	0	70.1	70.1	70.1
2-3 AM	402	0.0	OFF	402	0	0.00	0	70.2	70.2	70.2
3-4 AM	311	0.0	OFF	311	0	0.00	0	70.2	70.2	70.2
4-5 AM	434	0.0	OFF	434	0	0.00	0	70.2	70.2	70.2
5-6 AM	735	0.0	OFF	735	0	0.00	0	69.8	69.8	69.8
6-7 AM	1368	0.0	OFF	1368	0	0.00	0	69.1	69.1	69.1
7-8 AM	1824	0.0	OFF	1824	0	0.00	0	68.5	68.5	68.5
8-9 AM	2442	0.0	2999	2442	0	0.39	0	67.7	61.8	47.3
9-10 AM	2948	0.0	2999	2948	0	0.81	7	67.1	56.1	38.6
10-11 AM	3365	0.0	3000	3365	0	3.91	195	66.6	34.2	37.3
11AM-NOON	3534	0.0	3000	3444	90	11.88+	636	66.3	17.2	37.3
NOON-1PM	3826	0.0	3000	3000	826	15.10+	800	64.7	14.2	37.3
1-2 PM	3294	0.0	3000	2963	331	15.15+	795	66.6	14.3	37.3
2-3 PM	3045	0.0	2999	2998	47	15.24+	799	66.9	14.2	37.3
3-4 PM	3512	0.0	3000	3000	512	15.21+	800	66.4	14.2	37.3
4-5 PM	3296	0.0	3000	3000	296	15.22+	800	66.6	14.2	37.3
5-6 PM	2997	0.0	3000	2950	47	15.03+	788	67.0	14.4	37.3
6-7 PM	2526	0.0	OFF	2526	0	0.87	81	67.6	55.7	55.7
7-8 PM	2118	0.0	OFF	2118	0	0.00	0	68.1	68.1	68.1
8-9 PM	1901	0.0	OFF	1901	0	0.00	0	68.4	68.4	68.4
9-10 PM	1887	0.0	OFF	1887	0	0.00	0	68.4	68.4	68.4
10-11 PM	1678	0.0	OFF	1678	0	0.00	0	68.6	68.6	68.6
11PM-MID	1076	0.0	OFF	1076	0	0.00	0	69.4	69.4	69.4

"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	0.0366
MAIN ROUTE WITH WORKS	0.0330
'DIVERSION'	0.0036

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$98,098
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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