

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) 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	3000	627	0	0.36	0	69.9	64.1	49.7
1-2 AM	346	0.0	3000	346	0	0.36	0	70.2	64.3	49.7
2-3 AM	275	0.0	3000	275	0	0.36	0	70.2	64.3	49.7
3-4 AM	272	0.0	3000	272	0	0.36	0	70.2	64.3	49.7
4-5 AM	433	0.0	3000	433	0	0.36	0	70.2	64.3	49.7
5-6 AM	766	0.0	3000	766	0	0.35	0	69.8	64.0	49.7
6-7 AM	1310	0.0	3000	1310	0	0.35	0	69.1	63.6	49.7
7-8 AM	1681	0.0	3000	1681	0	0.34	0	68.6	63.3	49.7
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	2999	2746	0	13.33+	698	67.3	15.8	37.3
7-8 PM	2261	0.0	2999	2261	0	3.09	218	67.9	38.6	45.0
8-9 PM	2099	0.0	3000	2099	0	0.33	0	68.1	63.0	49.7
9-10 PM	1888	0.0	3000	1888	0	0.34	0	68.4	63.1	49.7
10-11 PM	1493	0.0	3000	1493	0	0.34	0	68.9	63.5	49.7
11PM-MID	1115	0.0	3000	1115	0	0.35	0	69.4	63.8	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

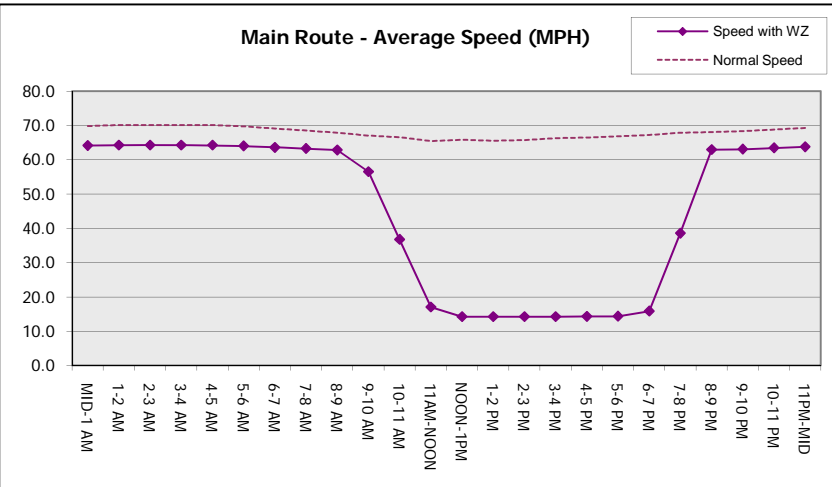
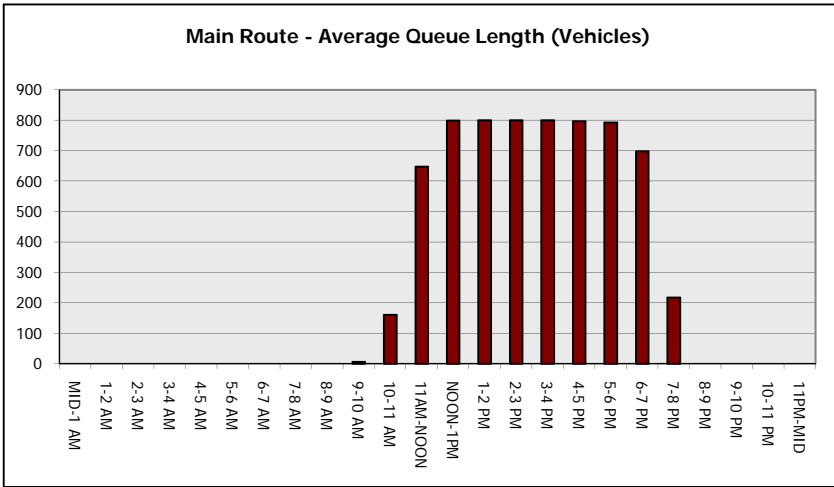
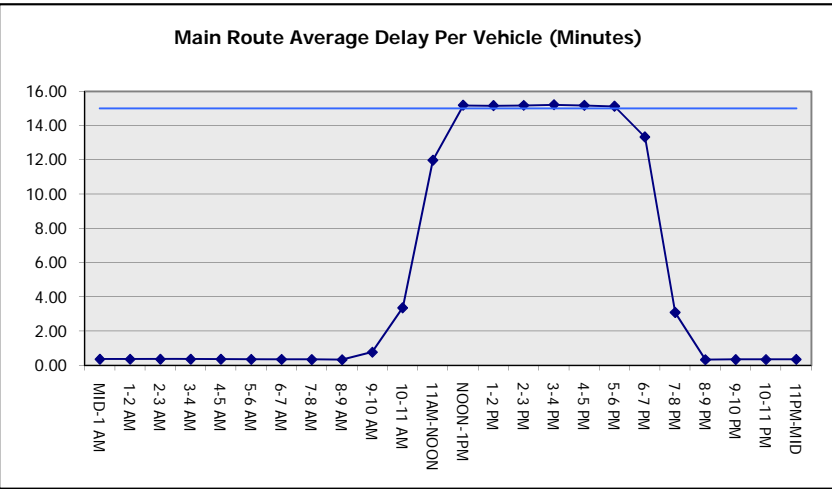
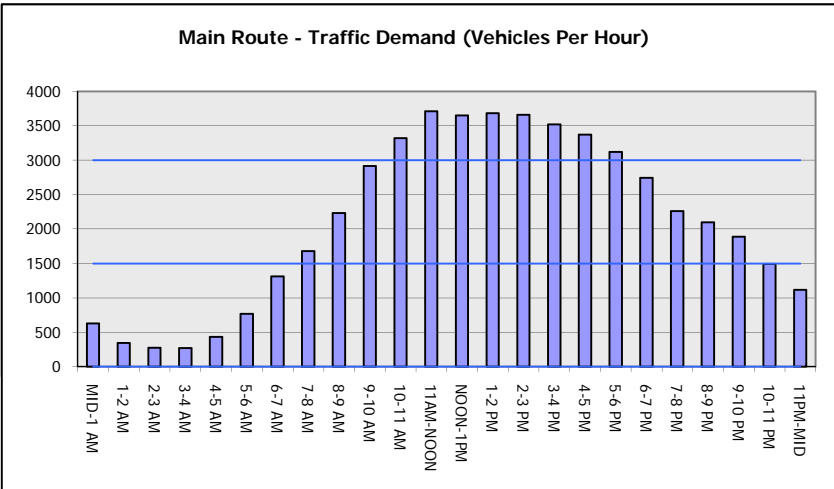
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0370
MAIN ROUTE WITH WORKS	0.0314
'DIVERSION'	0.0055
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$118,976
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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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	3000	945	0	0.35	0	69.6	63.9	49.7
1-2 AM	518	0.0	3000	518	0	0.36	0	70.1	64.2	49.7
2-3 AM	402	0.0	3000	402	0	0.36	0	70.2	64.3	49.7
3-4 AM	311	0.0	3000	311	0	0.36	0	70.2	64.3	49.7
4-5 AM	434	0.0	3000	434	0	0.36	0	70.2	64.3	49.7
5-6 AM	735	0.0	3000	735	0	0.35	0	69.8	64.1	49.7
6-7 AM	1368	0.0	3000	1368	0	0.34	0	69.1	63.5	49.7
7-8 AM	1824	0.0	3000	1824	0	0.34	0	68.5	63.2	49.7
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	2999	2526	0	10.14	541	67.6	19.4	37.9
7-8 PM	2118	0.0	3000	2118	0	0.94	47	68.1	55.3	49.4
8-9 PM	1901	0.0	3000	1901	0	0.34	0	68.4	63.1	49.7
9-10 PM	1887	0.0	3000	1887	0	0.34	0	68.4	63.1	49.7
10-11 PM	1678	0.0	3000	1678	0	0.34	0	68.6	63.3	49.7
11PM-MID	1076	0.0	3000	1076	0	0.35	0	69.4	63.8	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	0.0366
MAIN ROUTE WITH WORKS	0.0318
'DIVERSION'	0.0036

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$110,076
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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