

USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	554	0.0	3000	554	0	0.36	0	70.0	64.2	49.7
1-2 AM	315	0.0	3000	315	0	0.36	0	70.2	64.3	49.7
2-3 AM	260	0.0	3000	260	0	0.36	0	70.2	64.3	49.7
3-4 AM	205	0.0	3000	205	0	0.36	0	70.2	64.3	49.7
4-5 AM	211	0.0	3000	211	0	0.36	0	70.2	64.3	49.7
5-6 AM	343	0.0	3000	343	0	0.36	0	70.2	64.3	49.7
6-7 AM	656	0.0	3000	656	0	0.36	0	69.9	64.1	49.7
7-8 AM	958	0.0	3000	958	0	0.35	0	69.6	63.9	49.7
8-9 AM	1418	0.0	3000	1418	0	0.34	0	69.0	63.5	49.7
9-10 AM	2182	0.0	2999	2182	0	0.33	0	68.0	62.9	49.7
10-11 AM	2993	0.0	2999	2993	0	1.02	21	67.0	53.7	38.8
11AM-NOON	3634	0.0	3000	3634	0	6.87	384	66.0	25.0	37.3
NOON-1PM	3630	0.0	2999	3005	624	15.17+	799	66.1	14.2	37.3
1-2 PM	3529	0.0	3000	3018	512	15.17+	797	66.3	14.3	37.3
2-3 PM	3589	0.0	3000	3000	589	15.20+	800	66.3	14.2	37.3
3-4 PM	3542	0.0	3000	3000	542	15.20+	800	66.3	14.2	37.3
4-5 PM	3560	0.0	2999	3000	560	15.20+	800	66.3	14.2	37.3
5-6 PM	3365	0.0	3000	3037	329	15.13+	795	66.6	14.3	37.3
6-7 PM	2963	0.0	3000	2957	6	14.93+	782	67.1	14.5	37.3
7-8 PM	2600	0.0	2999	2600	0	10.73	565	67.5	18.6	37.3
8-9 PM	2079	0.0	3000	2079	0	1.24	72	68.1	52.2	48.6
9-10 PM	1545	0.0	3000	1545	0	0.34	0	68.8	63.4	49.7
10-11 PM	1129	0.0	3000	1129	0	0.35	0	69.3	63.7	49.7
11PM-MID	679	0.0	3000	679	0	0.36	0	69.9	64.1	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

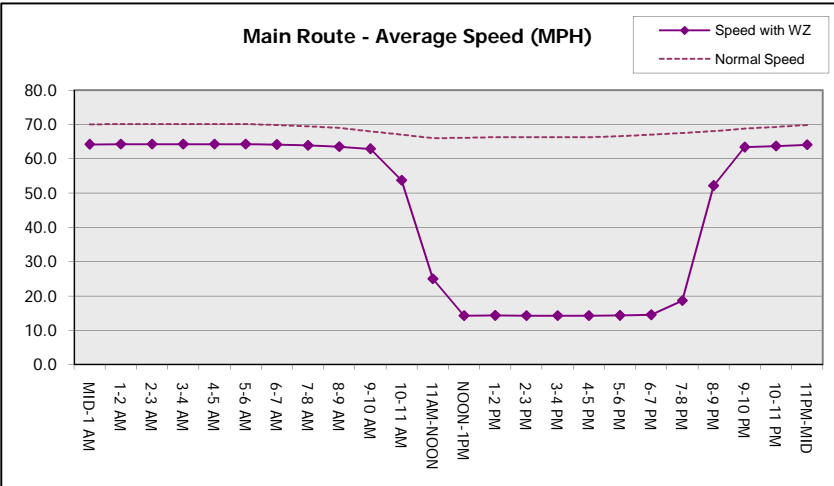
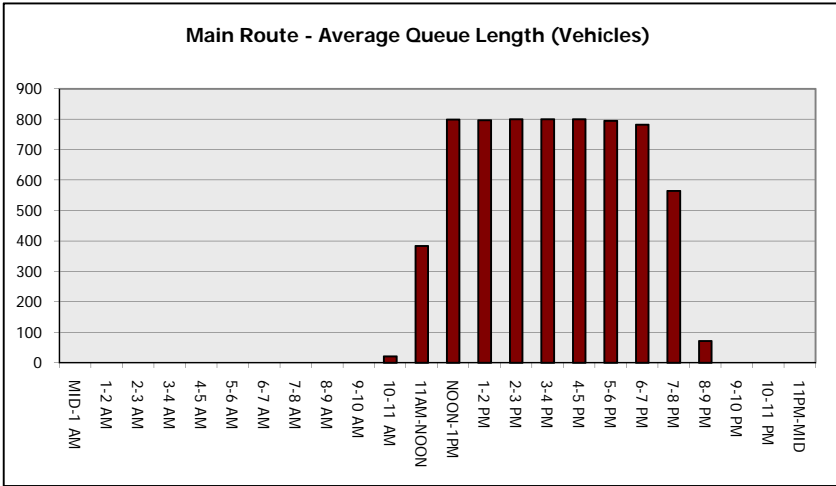
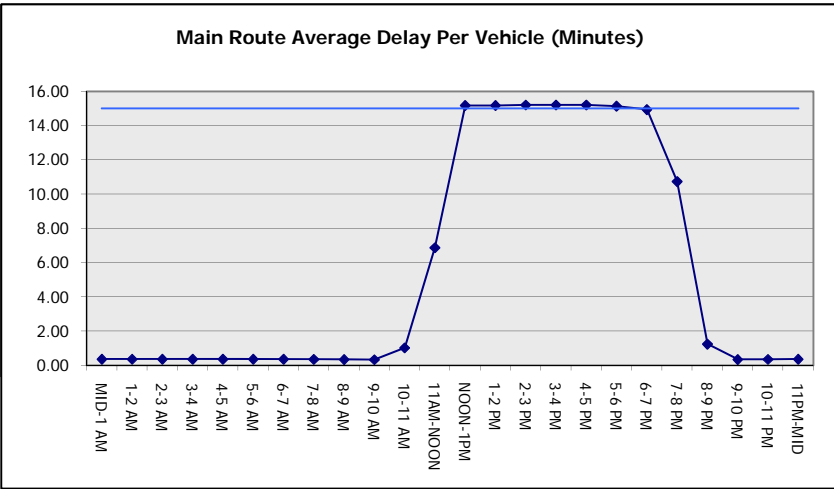
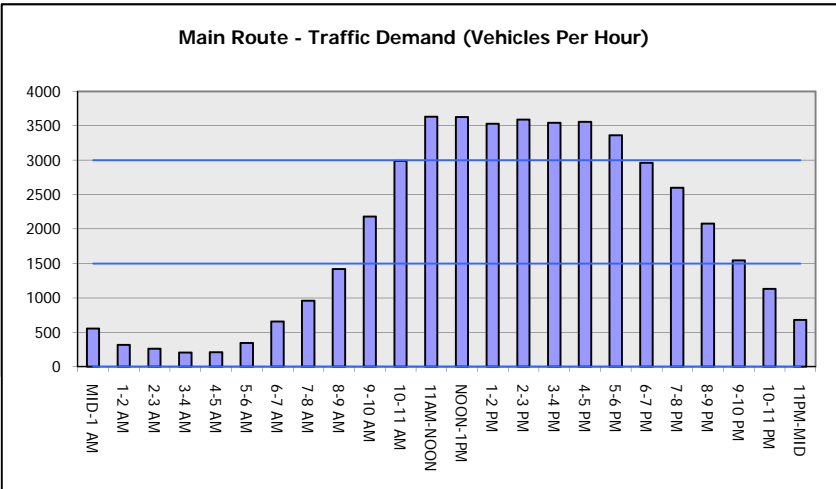
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0336
MAIN ROUTE WITH WORKS	0.0285
'DIVERSION'	0.0054
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$120,816
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	600	0.0	3000	600	0	0.36	0	70.0	64.1	49.7
1-2 AM	392	0.0	3000	392	0	0.36	0	70.2	64.3	49.7
2-3 AM	318	0.0	3000	318	0	0.36	0	70.2	64.3	49.7
3-4 AM	215	0.0	3000	215	0	0.36	0	70.2	64.3	49.7
4-5 AM	204	0.0	3000	204	0	0.36	0	70.2	64.3	49.7
5-6 AM	345	0.0	3000	345	0	0.36	0	70.2	64.3	49.7
6-7 AM	595	0.0	3000	595	0	0.36	0	70.0	64.1	49.7
7-8 AM	875	0.0	3000	875	0	0.35	0	69.7	64.0	49.7
8-9 AM	1374	0.0	3000	1374	0	0.34	0	69.1	63.5	49.7
9-10 AM	2027	0.0	3000	2027	0	0.33	0	68.2	63.0	49.7
10-11 AM	2488	0.0	3000	2488	0	0.39	0	67.6	61.7	47.1
11AM-NOON	2858	0.0	2999	2858	0	0.63	0	67.2	58.2	39.6
NOON-1PM	3320	0.0	2999	3320	0	3.19	152	66.6	37.6	37.3
1-2 PM	3110	0.0	2999	3110	0	7.60	380	66.9	23.5	37.3
2-3 PM	3152	0.0	3000	3152	0	9.82	503	66.8	19.7	37.3
3-4 PM	3176	0.0	2999	3176	0	12.55	654	66.8	16.5	37.3
4-5 PM	3628	0.0	2999	3000	628	15.19+	799	66.1	14.2	37.3
5-6 PM	3182	0.0	3000	3020	162	14.94+	783	66.8	14.5	37.3
6-7 PM	2452	0.0	2999	2452	0	9.85	537	67.7	19.8	38.9
7-8 PM	2065	0.0	3000	2065	0	0.75	31	68.2	57.5	49.6
8-9 PM	1524	0.0	3000	1524	0	0.34	0	68.9	63.4	49.7
9-10 PM	1239	0.0	3000	1239	0	0.35	0	69.2	63.7	49.7
10-11 PM	986	0.0	3000	986	0	0.35	0	69.5	63.8	49.7
11PM-MID	554	0.0	3000	554	0	0.36	0	70.0	64.2	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	0.0298
MAIN ROUTE WITH WORKS	0.0266
'DIVERSION'	0.0013

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,706
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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