

<b>USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                  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	410	0.0	3000	410	0	0.36	0	70.2	64.3	49.7
1-2 AM	257	0.0	3000	257	0	0.36	0	70.2	64.3	49.7
2-3 AM	271	0.0	3000	271	0	0.36	0	70.2	64.3	49.7
3-4 AM	413	0.0	3000	413	0	0.36	0	70.2	64.3	49.7
4-5 AM	913	0.0	3000	913	0	0.35	0	69.6	63.9	49.7
5-6 AM	2870	0.0	OFF	2870	0	0.00	0	67.2	67.2	67.2
6-7 AM	5761	0.0	OFF	5761	0	0.00	0	51.5	51.5	51.5
7-8 AM	6563	0.0	OFF	6563	0	0.00	0	46.0	46.0	46.0
8-9 AM	4288	0.0	OFF	4288	0	0.00	0	61.5	61.5	61.5
9-10 AM	3361	0.0	OFF	3361	0	0.00	0	66.6	66.6	66.6
10-11 AM	3197	0.0	OFF	3197	0	0.00	0	66.8	66.8	66.8
11AM-NOON	3235	0.0	OFF	3235	0	0.00	0	66.7	66.7	66.7
NOON-1PM	3367	0.0	OFF	3367	0	0.00	0	66.6	66.6	66.6
1-2 PM	3344	0.0	OFF	3344	0	0.00	0	66.6	66.6	66.6
2-3 PM	3822	0.0	OFF	3822	0	0.00	0	64.8	64.8	64.8
3-4 PM	4142	0.0	OFF	4142	0	0.00	0	62.5	62.5	62.5
4-5 PM	4070	0.0	OFF	4070	0	0.00	0	63.0	63.0	63.0
5-6 PM	3583	0.0	OFF	3583	0	0.00	0	66.3	66.3	66.3
6-7 PM	2711	0.0	OFF	2711	0	0.00	0	67.4	67.4	67.4
7-8 PM	2059	0.0	3000	2059	0	0.33	0	68.2	63.0	49.7
8-9 PM	1830	0.0	3000	1830	0	0.34	0	68.4	63.2	49.7
9-10 PM	1493	0.0	3000	1493	0	0.34	0	68.9	63.5	49.7
10-11 PM	1178	0.0	3000	1178	0	0.35	0	69.2	63.7	49.7
11PM-MID	876	0.0	3000	876	0	0.35	0	69.6	64.0	49.7

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

*----- 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	0.0468
MAIN ROUTE WITH WORKS	0.0462
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$661
CONGESTED HOURS PER DAY*	0

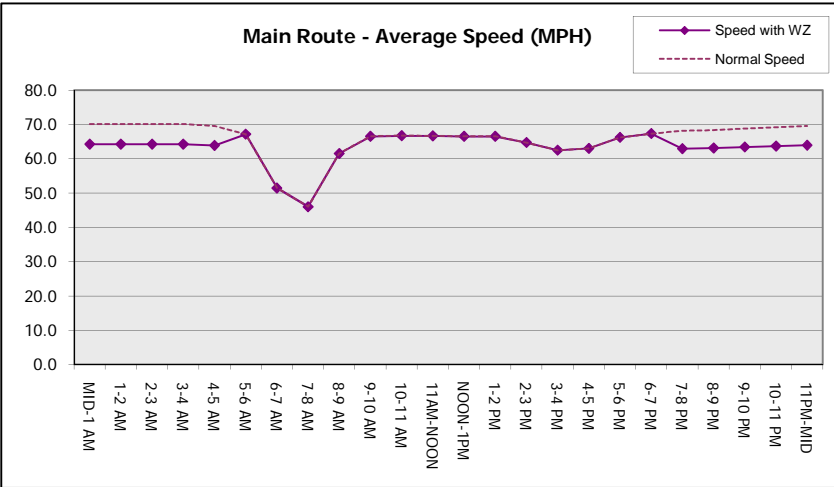
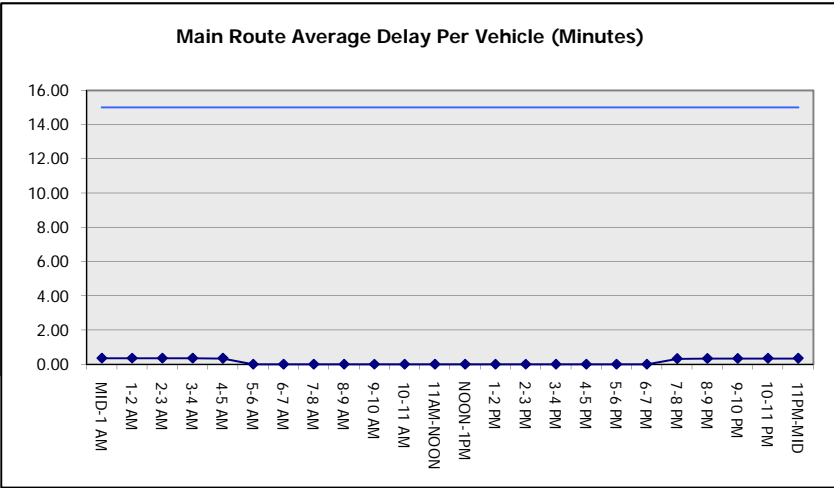
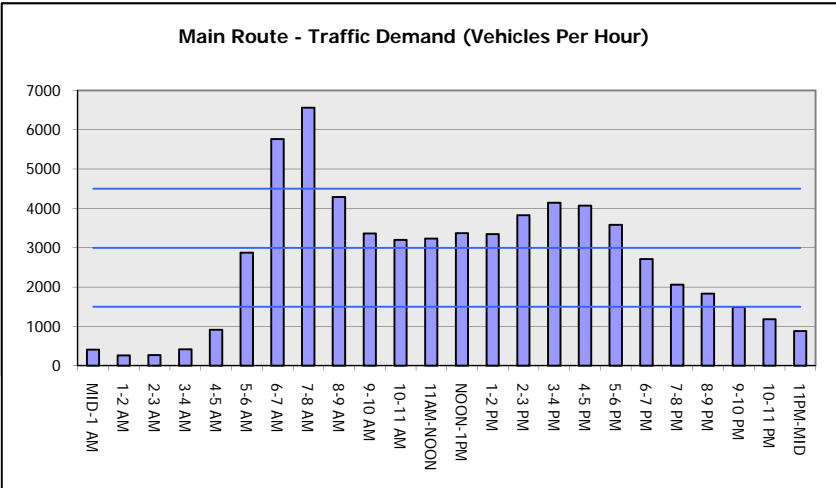
\*Delays Exceeding User-Specified Maximum

**USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)**  
**NIGHTTIME CLOSURE**  
**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**

**MON-THUR SOUTHBOUND DIRECTION**



<b>USH 41/45: CTH Q TO STH 145 (WAUKESHA AND MILWAUKEE COUNTIES)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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	532	0.0	3000	532	0	0.36	0	70.0	64.2	49.7
1-2 AM	325	0.0	3000	325	0	0.36	0	70.2	64.3	49.7
2-3 AM	269	0.0	3000	269	0	0.36	0	70.2	64.3	49.7
3-4 AM	295	0.0	3000	295	0	0.36	0	70.2	64.3	49.7
4-5 AM	677	0.0	3000	677	0	0.36	0	69.9	64.1	49.7
5-6 AM	1749	0.0	OFF	1749	0	0.00	0	68.6	68.6	68.6
6-7 AM	3031	0.0	OFF	3031	0	0.00	0	66.9	66.9	66.9
7-8 AM	3134	0.0	OFF	3134	0	0.00	0	66.8	66.8	66.8
8-9 AM	2758	0.0	OFF	2758	0	0.00	0	67.3	67.3	67.3
9-10 AM	2598	0.0	OFF	2598	0	0.00	0	67.5	67.5	67.5
10-11 AM	2766	0.0	OFF	2766	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3005	0.0	OFF	3005	0	0.00	0	67.0	67.0	67.0
NOON-1PM	3135	0.0	OFF	3135	0	0.00	0	66.8	66.8	66.8
1-2 PM	3442	0.0	OFF	3442	0	0.00	0	66.4	66.4	66.4
2-3 PM	4519	0.0	OFF	4519	0	0.00	0	60.0	60.0	60.0
3-4 PM	5551	0.0	OFF	5551	0	0.00	0	52.9	52.9	52.9
4-5 PM	6652	0.0	OFF	6652	0	0.00	0	45.4	45.4	45.4
5-6 PM	6043	0.0	OFF	6043	0	0.00	0	49.6	49.6	49.6
6-7 PM	3521	0.0	OFF	3521	0	0.00	0	66.4	66.4	66.4
7-8 PM	2416	0.0	3000	2416	0	0.35	0	67.8	62.4	48.9
8-9 PM	2039	0.0	3000	2039	0	0.33	0	68.2	63.0	49.7
9-10 PM	1740	0.0	3000	1740	0	0.34	0	68.6	63.2	49.7
10-11 PM	1527	0.0	3000	1527	0	0.34	0	68.8	63.4	49.7
11PM-MID	970	0.0	3000	970	0	0.35	0	69.6	63.9	49.7

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

*----- 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	0.0459
MAIN ROUTE WITH WORKS	0.0452
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$738
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

