

<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>MAY</b>
	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	OFF	2182	0	0.00	0	68.0	68.0	68.0
10-11 AM	2993	0.0	OFF	2993	0	0.00	0	67.0	67.0	67.0
11AM-NOON	3634	0.0	OFF	3634	0	0.00	0	66.0	66.0	66.0
NOON-1PM	3630	0.0	OFF	3630	0	0.00	0	66.1	66.1	66.1
1-2 PM	3529	0.0	OFF	3529	0	0.00	0	66.3	66.3	66.3
2-3 PM	3589	0.0	OFF	3589	0	0.00	0	66.3	66.3	66.3
3-4 PM	3542	0.0	OFF	3542	0	0.00	0	66.3	66.3	66.3
4-5 PM	3560	0.0	OFF	3560	0	0.00	0	66.3	66.3	66.3
5-6 PM	3365	0.0	OFF	3365	0	0.00	0	66.6	66.6	66.6
6-7 PM	2963	0.0	OFF	2963	0	0.00	0	67.1	67.1	67.1
7-8 PM	2600	0.0	3000	2600	0	0.47	0	67.5	60.5	44.5
8-9 PM	2079	0.0	3000	2079	0	0.33	0	68.1	63.0	49.7
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

**"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

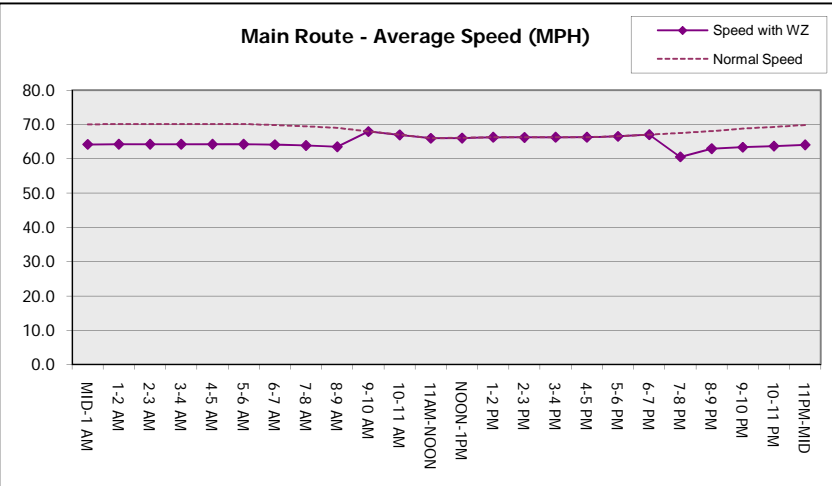
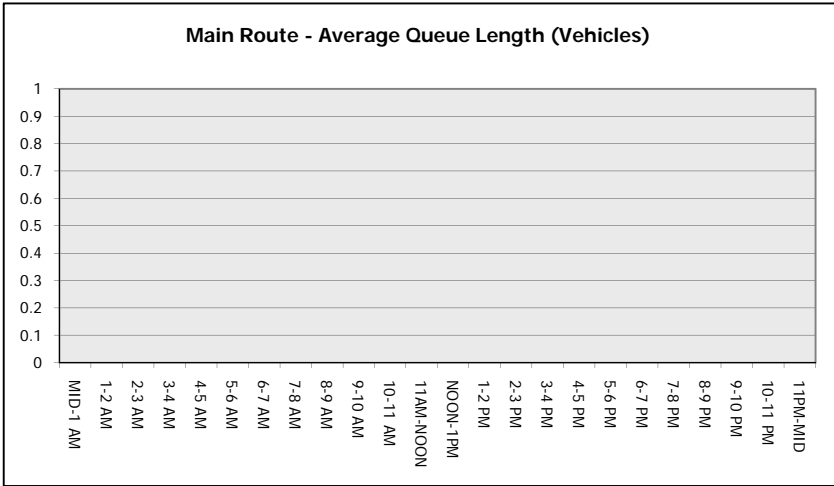
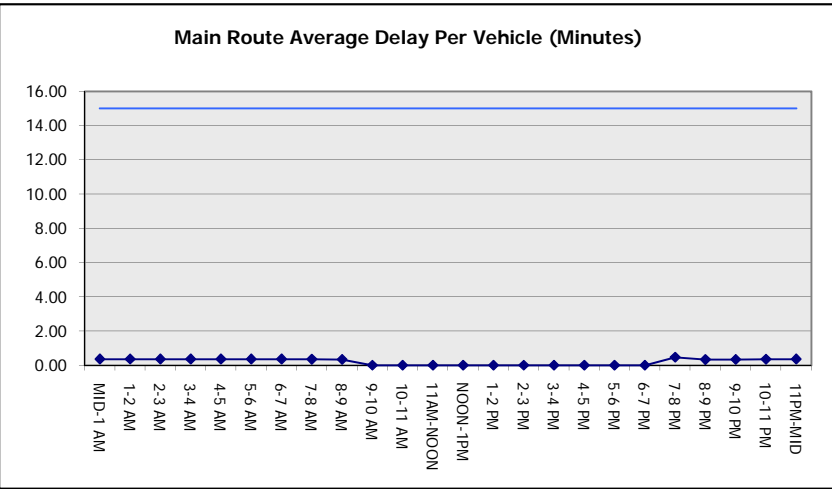
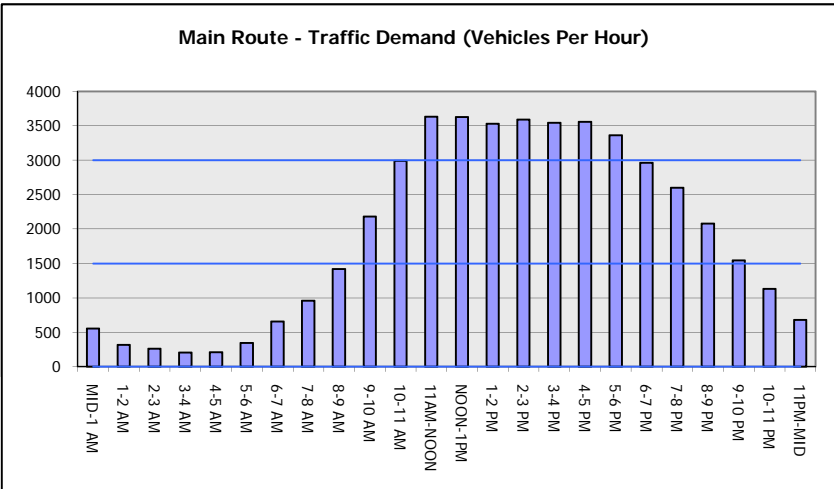
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0336
MAIN ROUTE WITH WORKS	0.0328
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,101
CONGESTED HOURS PER DAY*	0

\*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)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY 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>MAY</b>
	Analyzed for 2009 Construction Season

**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	OFF	2027	0	0.00	0	68.2	68.2	68.2
10-11 AM	2488	0.0	OFF	2488	0	0.00	0	67.6	67.6	67.6
11AM-NOON	2858	0.0	OFF	2858	0	0.00	0	67.2	67.2	67.2
NOON-1PM	3320	0.0	OFF	3320	0	0.00	0	66.6	66.6	66.6
1-2 PM	3110	0.0	OFF	3110	0	0.00	0	66.9	66.9	66.9
2-3 PM	3152	0.0	OFF	3152	0	0.00	0	66.8	66.8	66.8
3-4 PM	3176	0.0	OFF	3176	0	0.00	0	66.8	66.8	66.8
4-5 PM	3628	0.0	OFF	3628	0	0.00	0	66.1	66.1	66.1
5-6 PM	3182	0.0	OFF	3182	0	0.00	0	66.8	66.8	66.8
6-7 PM	2452	0.0	OFF	2452	0	0.00	0	67.7	67.7	67.7
7-8 PM	2065	0.0	3000	2065	0	0.33	0	68.2	63.0	49.7
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

"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	0.0298
MAIN ROUTE WITH WORKS	0.0290
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$896
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

