

<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</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	502	0.0	3000	502	0	0.36	0	70.1	59.3	49.7
1-2 AM	301	0.0	3000	301	0	0.36	0	70.2	59.3	49.7
2-3 AM	230	0.0	3000	230	0	0.36	0	70.2	59.3	49.7
3-4 AM	182	0.0	3000	182	0	0.36	0	70.2	59.3	49.7
4-5 AM	204	0.0	3000	204	0	0.36	0	70.2	59.3	49.7
5-6 AM	325	0.0	3000	325	0	0.36	0	70.2	59.3	49.7
6-7 AM	641	0.0	3000	641	0	0.36	0	69.9	59.2	49.7
7-8 AM	886	0.0	3000	886	0	0.35	0	69.6	59.1	49.7
8-9 AM	1307	0.0	3000	1307	0	0.35	0	69.1	58.9	49.7
9-10 AM	2009	0.0	OFF	2009	0	0.00	0	68.2	68.2	68.2
10-11 AM	2826	0.0	OFF	2826	0	0.00	0	67.2	67.2	67.2
11AM-NOON	3442	0.0	OFF	3442	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3595	0.0	OFF	3595	0	0.00	0	66.3	66.3	66.3
1-2 PM	3432	0.0	OFF	3432	0	0.00	0	66.4	66.4	66.4
2-3 PM	3388	0.0	OFF	3388	0	0.00	0	66.5	66.5	66.5
3-4 PM	3212	0.0	OFF	3212	0	0.00	0	66.8	66.8	66.8
4-5 PM	3176	0.0	OFF	3176	0	0.00	0	66.8	66.8	66.8
5-6 PM	2903	0.0	OFF	2903	0	0.00	0	67.1	67.1	67.1
6-7 PM	2614	0.0	OFF	2614	0	0.00	0	67.5	67.5	67.5
7-8 PM	2285	0.0	3000	2285	0	0.33	0	67.9	58.4	49.7
8-9 PM	1837	0.0	3000	1837	0	0.34	0	68.4	58.6	49.7
9-10 PM	1381	0.0	3000	1381	0	0.34	0	69.0	58.9	49.7
10-11 PM	981	0.0	3000	981	0	0.35	0	69.5	59.1	49.7
11PM-MID	605	0.0	3000	605	0	0.36	0	70.0	59.2	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

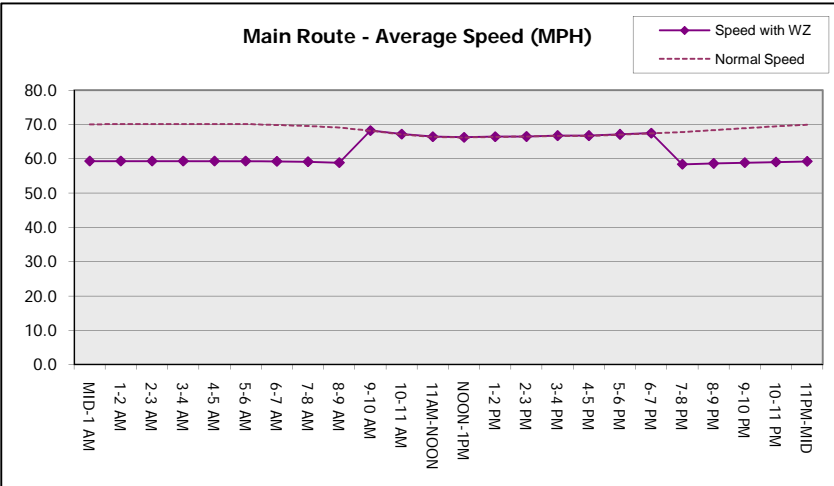
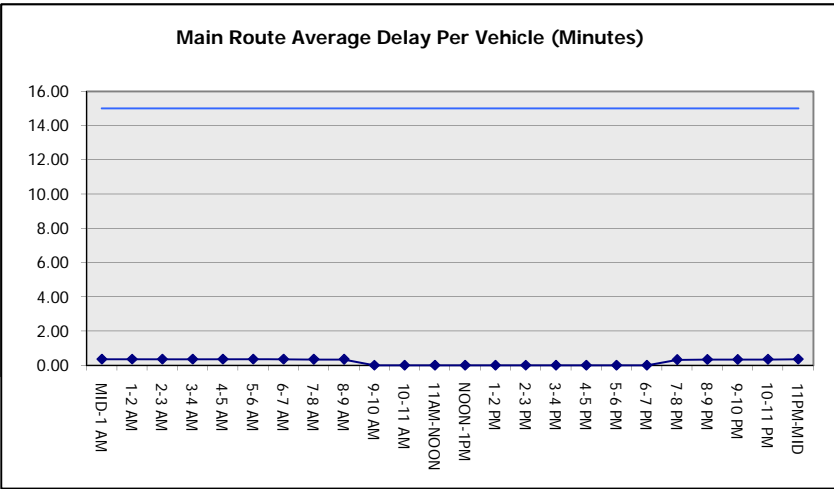
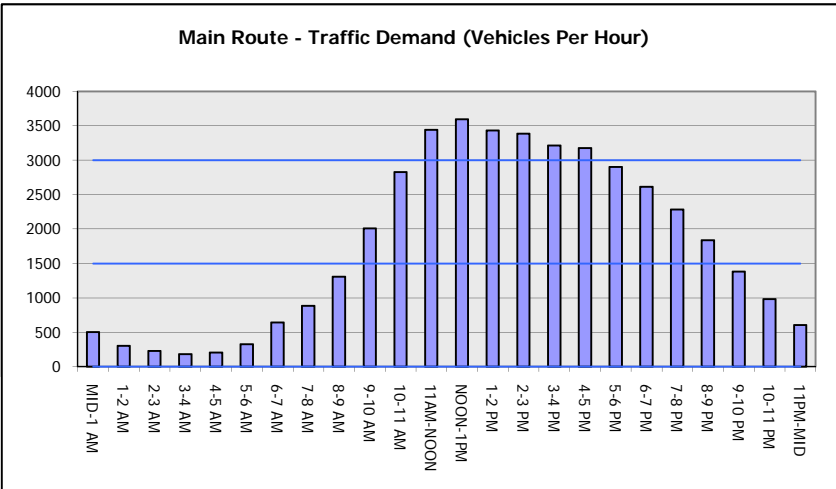
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0155
MAIN ROUTE WITH WORKS	0.0147
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$915
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**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 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</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	698	0.0	3000	698	0	0.36	0	69.9	59.2	49.7
1-2 AM	433	0.0	3000	433	0	0.36	0	70.2	59.3	49.7
2-3 AM	373	0.0	3000	373	0	0.36	0	70.2	59.3	49.7
3-4 AM	226	0.0	3000	226	0	0.36	0	70.2	59.3	49.7
4-5 AM	194	0.0	3000	194	0	0.36	0	70.2	59.3	49.7
5-6 AM	316	0.0	3000	316	0	0.36	0	70.2	59.3	49.7
6-7 AM	561	0.0	3000	561	0	0.36	0	70.0	59.2	49.7
7-8 AM	836	0.0	3000	836	0	0.35	0	69.7	59.1	49.7
8-9 AM	1241	0.0	3000	1241	0	0.35	0	69.2	58.9	49.7
9-10 AM	1815	0.0	OFF	1815	0	0.00	0	68.5	68.5	68.5
10-11 AM	2228	0.0	OFF	2228	0	0.00	0	67.9	67.9	67.9
11AM-NOON	2513	0.0	OFF	2513	0	0.00	0	67.6	67.6	67.6
NOON-1PM	3055	0.0	OFF	3055	0	0.00	0	66.9	66.9	66.9
1-2 PM	2887	0.0	OFF	2887	0	0.00	0	67.1	67.1	67.1
2-3 PM	3000	0.0	OFF	3000	0	0.00	0	67.0	67.0	67.0
3-4 PM	3087	0.0	OFF	3087	0	0.00	0	66.9	66.9	66.9
4-5 PM	3353	0.0	OFF	3353	0	0.00	0	66.6	66.6	66.6
5-6 PM	3001	0.0	OFF	3001	0	0.00	0	67.0	67.0	67.0
6-7 PM	2383	0.0	OFF	2383	0	0.00	0	67.8	67.8	67.8
7-8 PM	2017	0.0	3000	2017	0	0.33	0	68.2	58.6	49.7
8-9 PM	1589	0.0	3000	1589	0	0.34	0	68.7	58.7	49.7
9-10 PM	1307	0.0	3000	1307	0	0.35	0	69.1	58.9	49.7
10-11 PM	1048	0.0	3000	1048	0	0.35	0	69.4	59.1	49.7
11PM-MID	597	0.0	3000	597	0	0.36	0	70.0	59.2	49.7

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

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0142
MAIN ROUTE WITH WORKS	0.0134
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$902
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

