

<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**

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	518	0.0	3000	518	0	0.36	0	70.1	59.3	49.7	
1-2 AM	327	0.0	3000	327	0	0.36	0	70.2	59.3	49.7	
2-3 AM	275	0.0	3000	275	0	0.36	0	70.2	59.3	49.7	
3-4 AM	234	0.0	3000	234	0	0.36	0	70.2	59.3	49.7	
4-5 AM	363	0.0	3000	363	0	0.36	0	70.2	59.3	49.7	
5-6 AM	672	0.0	3000	672	0	0.36	0	69.9	59.2	49.7	
6-7 AM	1148	0.0	3000	1148	0	0.35	0	69.3	59.0	49.7	
7-8 AM	1672	0.0	3000	1672	0	0.34	0	68.7	58.7	49.7	
8-9 AM	2303	0.0	OFF	2303	0	0.00	0	67.9	67.9	67.9	
9-10 AM	2701	0.0	OFF	2701	0	0.00	0	67.4	67.4	67.4	
10-11 AM	3003	0.0	OFF	3003	0	0.00	0	67.0	67.0	67.0	
11AM-NOON	3296	0.0	OFF	3296	0	0.00	0	66.6	66.6	66.6	
NOON-1PM	3382	0.0	OFF	3382	0	0.00	0	66.5	66.5	66.5	
1-2 PM	3207	0.0	OFF	3207	0	0.00	0	66.8	66.8	66.8	
2-3 PM	3317	0.0	OFF	3317	0	0.00	0	66.6	66.6	66.6	
3-4 PM	3329	0.0	OFF	3329	0	0.00	0	66.6	66.6	66.6	
4-5 PM	3206	0.0	OFF	3206	0	0.00	0	66.8	66.8	66.8	
5-6 PM	2883	0.0	OFF	2883	0	0.00	0	67.1	67.1	67.1	
6-7 PM	2434	0.0	3000	2434	0	0.36	0	67.7	57.6	48.4	
7-8 PM	1928	0.0	3000	1928	0	0.34	0	68.3	58.6	49.7	
8-9 PM	1633	0.0	3000	1633	0	0.34	0	68.7	58.7	49.7	
9-10 PM	1520	0.0	3000	1520	0	0.34	0	68.9	58.8	49.7	
10-11 PM	1202	0.0	3000	1202	0	0.35	0	69.2	58.9	49.7	
11PM-MID	835	0.0	3000	835	0	0.35	0	69.7	59.1	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

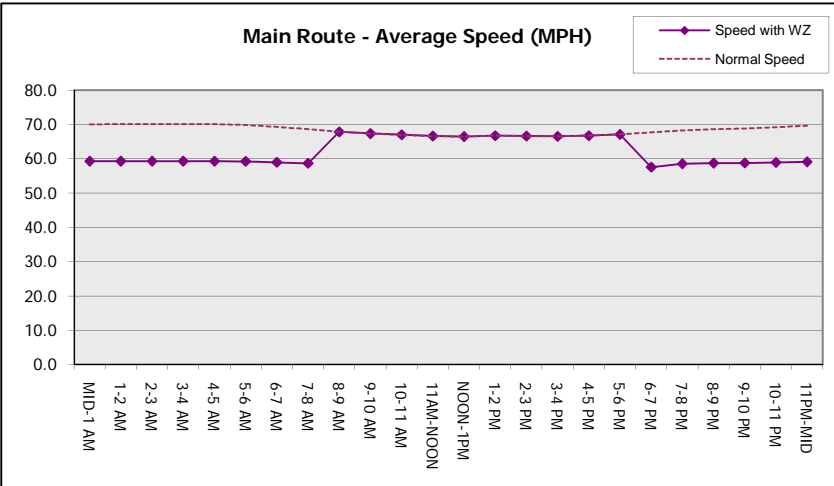
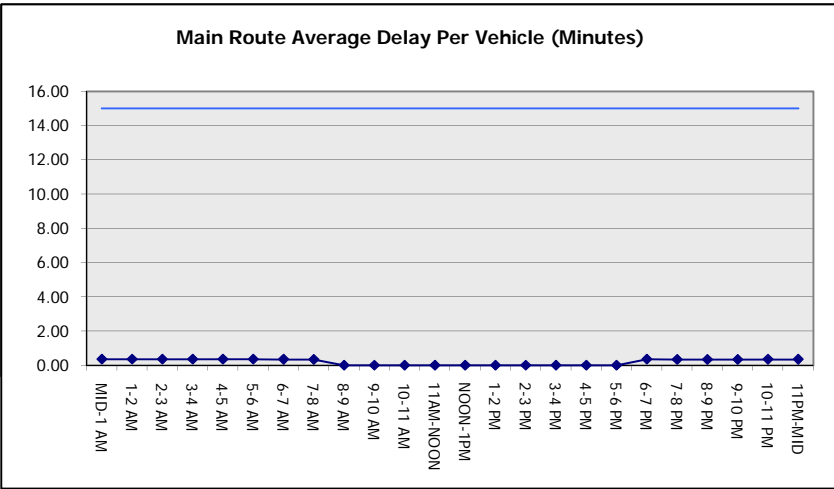
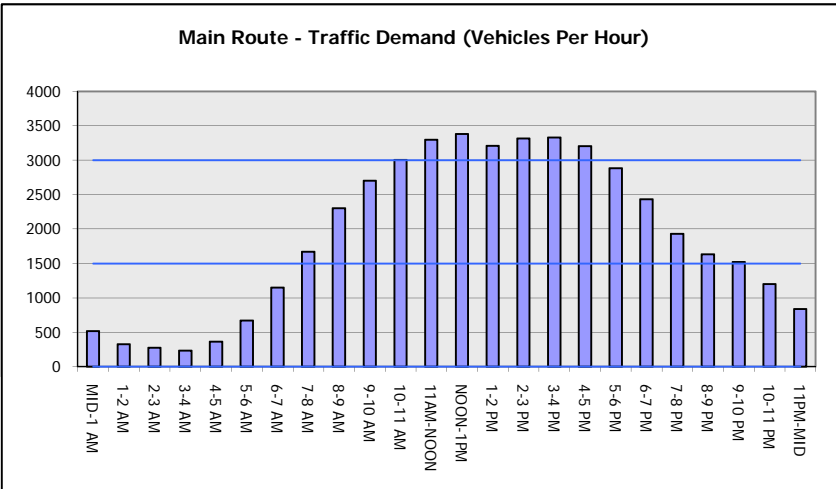
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0166
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,155
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**MAY**  
Analyzed for 2009  
Construction Season

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

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	816	0.0	3000	816	0	0.35	0	69.7	59.1	49.7
1-2 AM	495	0.0	3000	495	0	0.36	0	70.1	59.3	49.7
2-3 AM	406	0.0	3000	406	0	0.36	0	70.2	59.3	49.7
3-4 AM	344	0.0	3000	344	0	0.36	0	70.2	59.3	49.7
4-5 AM	411	0.0	3000	411	0	0.36	0	70.2	59.3	49.7
5-6 AM	734	0.0	3000	734	0	0.35	0	69.8	59.2	49.7
6-7 AM	1282	0.0	3000	1282	0	0.35	0	69.1	58.9	49.7
7-8 AM	1837	0.0	3000	1837	0	0.34	0	68.4	58.6	49.7
8-9 AM	2298	0.0	OFF	2298	0	0.00	0	67.9	67.9	67.9
9-10 AM	2623	0.0	OFF	2623	0	0.00	0	67.5	67.5	67.5
10-11 AM	2973	0.0	OFF	2973	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3196	0.0	OFF	3196	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3294	0.0	OFF	3294	0	0.00	0	66.6	66.6	66.6
1-2 PM	3321	0.0	OFF	3321	0	0.00	0	66.6	66.6	66.6
2-3 PM	3278	0.0	OFF	3278	0	0.00	0	66.6	66.6	66.6
3-4 PM	3309	0.0	OFF	3309	0	0.00	0	66.6	66.6	66.6
4-5 PM	3155	0.0	OFF	3155	0	0.00	0	66.8	66.8	66.8
5-6 PM	2864	0.0	OFF	2864	0	0.00	0	67.2	67.2	67.2
6-7 PM	2374	0.0	3000	2374	0	0.33	0	67.8	58.4	49.7
7-8 PM	1933	0.0	3000	1933	0	0.34	0	68.3	58.6	49.7
8-9 PM	1805	0.0	3000	1805	0	0.34	0	68.5	58.6	49.7
9-10 PM	1926	0.0	3000	1926	0	0.34	0	68.3	58.6	49.7
10-11 PM	1445	0.0	3000	1445	0	0.34	0	68.9	58.8	49.7
11PM-MID	1053	0.0	3000	1053	0	0.35	0	69.4	59.1	49.7

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

*----- SITE BREAKDOWN DELAYS -----*	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	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	0.0173
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,297
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

