

<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</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	362	0.0	3000	362	0	0.36	0	70.2	59.3	49.7
1-2 AM	250	0.0	3000	250	0	0.36	0	70.2	59.3	49.7
2-3 AM	253	0.0	3000	253	0	0.36	0	70.2	59.3	49.7
3-4 AM	373	0.0	3000	373	0	0.36	0	70.2	59.3	49.7
4-5 AM	772	0.0	3000	772	0	0.35	0	69.8	59.2	49.7
5-6 AM	2222	0.0	OFF	2222	0	0.00	0	68.0	68.0	68.0
6-7 AM	4558	0.0	OFF	4558	0	0.00	0	59.7	59.7	59.7
7-8 AM	5694	0.0	OFF	5694	0	0.00	0	52.0	52.0	52.0
8-9 AM	4583	0.0	OFF	4583	0	0.00	0	59.6	59.6	59.6
9-10 AM	3595	0.0	OFF	3595	0	0.00	0	66.3	66.3	66.3
10-11 AM	3456	0.0	OFF	3456	0	0.00	0	66.4	66.4	66.4
11AM-NOON	3453	0.0	OFF	3453	0	0.00	0	66.4	66.4	66.4
NOON-1PM	3388	0.0	OFF	3388	0	0.00	0	66.5	66.5	66.5
1-2 PM	3305	0.0	OFF	3305	0	0.00	0	66.6	66.6	66.6
2-3 PM	3821	0.0	OFF	3821	0	0.00	0	64.8	64.8	64.8
3-4 PM	4210	0.0	OFF	4210	0	0.00	0	62.1	62.1	62.1
4-5 PM	4108	0.0	OFF	4108	0	0.00	0	62.8	62.8	62.8
5-6 PM	3932	0.0	OFF	3932	0	0.00	0	64.0	64.0	64.0
6-7 PM	2937	0.0	OFF	2937	0	0.00	0	67.1	67.1	67.1
7-8 PM	2059	0.0	3000	2059	0	0.33	0	68.2	58.5	49.7
8-9 PM	1732	0.0	3000	1732	0	0.34	0	68.6	58.7	49.7
9-10 PM	1421	0.0	3000	1421	0	0.34	0	69.0	58.9	49.7
10-11 PM	1067	0.0	3000	1067	0	0.35	0	69.4	59.0	49.7
11PM-MID	919	0.0	3000	919	0	0.35	0	69.6	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

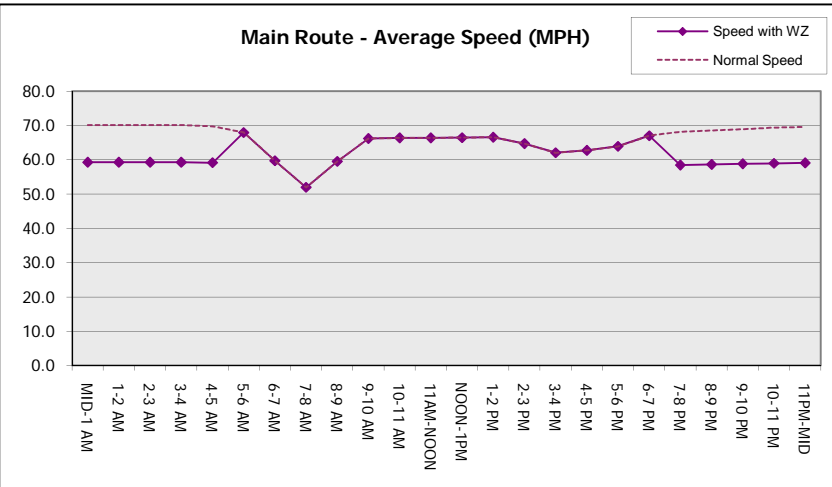
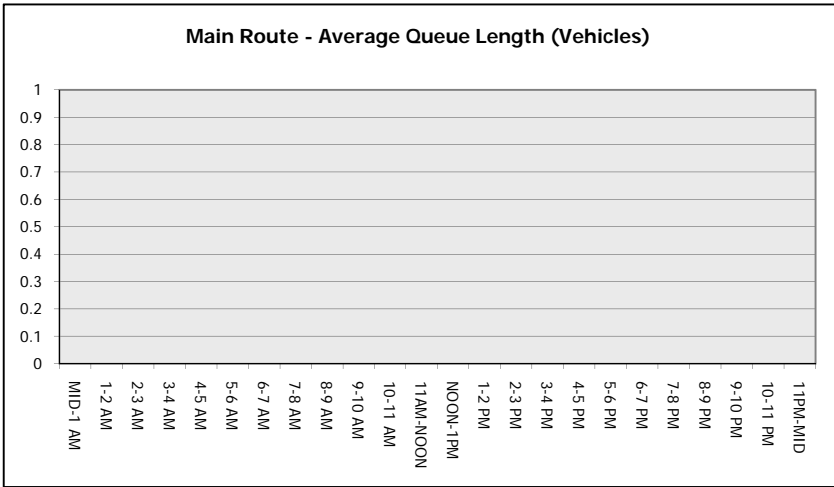
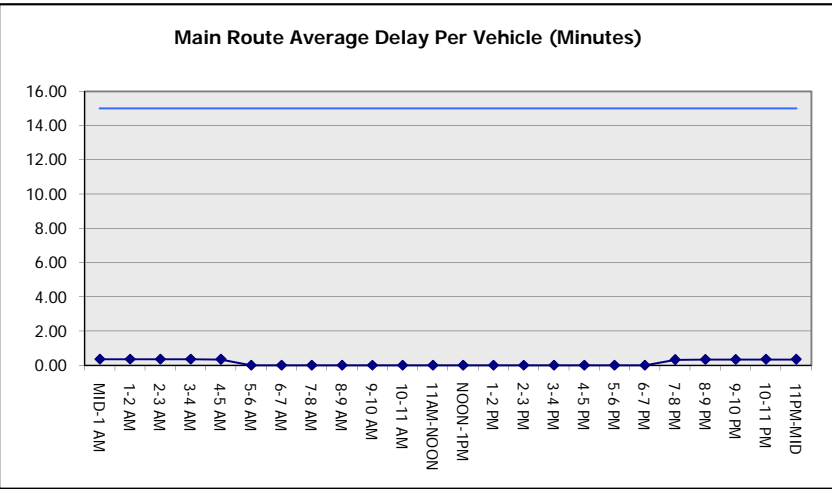
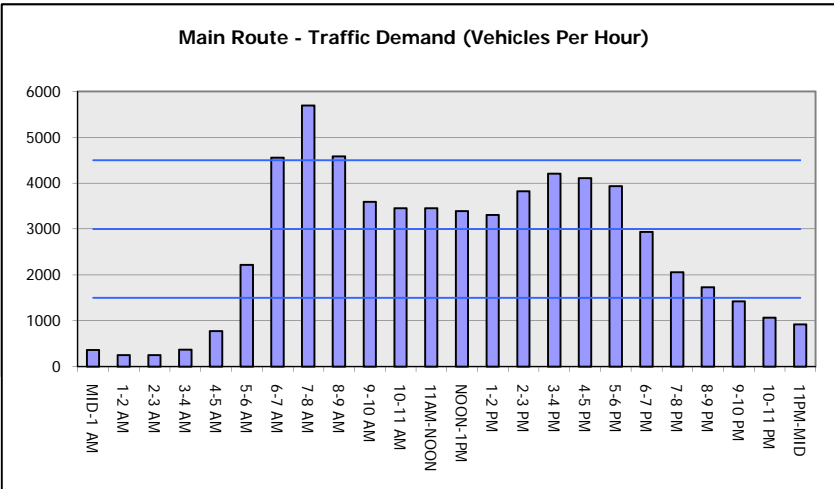
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0222
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$629
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



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**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	537	0.0	3000	537	0	0.36	0	70.0	59.3	49.7
1-2 AM	331	0.0	3000	331	0	0.36	0	70.2	59.3	49.7
2-3 AM	281	0.0	3000	281	0	0.36	0	70.2	59.3	49.7
3-4 AM	326	0.0	3000	326	0	0.36	0	70.2	59.3	49.7
4-5 AM	660	0.0	3000	660	0	0.36	0	69.9	59.2	49.7
5-6 AM	1986	0.0	OFF	1986	0	0.00	0	68.2	68.2	68.2
6-7 AM	3683	0.0	OFF	3683	0	0.00	0	65.7	65.7	65.7
7-8 AM	4760	0.0	OFF	4760	0	0.00	0	58.3	58.3	58.3
8-9 AM	3884	0.0	OFF	3884	0	0.00	0	64.3	64.3	64.3
9-10 AM	3076	0.0	OFF	3076	0	0.00	0	66.9	66.9	66.9
10-11 AM	3023	0.0	OFF	3023	0	0.00	0	67.0	67.0	67.0
11AM-NOON	3166	0.0	OFF	3166	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3352	0.0	OFF	3352	0	0.00	0	66.6	66.6	66.6
1-2 PM	3657	0.0	OFF	3657	0	0.00	0	65.9	65.9	65.9
2-3 PM	4440	0.0	OFF	4440	0	0.00	0	60.5	60.5	60.5
3-4 PM	5068	0.0	OFF	5068	0	0.00	0	56.3	56.3	56.3
4-5 PM	5902	0.0	OFF	5902	0	0.00	0	50.5	50.5	50.5
5-6 PM	5713	0.0	OFF	5713	0	0.00	0	51.9	51.9	51.9
6-7 PM	3668	0.0	OFF	3668	0	0.00	0	65.8	65.8	65.8
7-8 PM	2497	0.0	3000	2497	0	0.40	0	67.6	56.5	46.9
8-9 PM	2180	0.0	3000	2180	0	0.33	0	68.0	58.4	49.7
9-10 PM	1970	0.0	3000	1970	0	0.34	0	68.3	58.6	49.7
10-11 PM	1686	0.0	3000	1686	0	0.34	0	68.6	58.7	49.7
11PM-MID	1075	0.0	3000	1075	0	0.35	0	69.4	59.0	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	0.0245
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$817
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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