

<b>USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	686	0.0	OFF	686	0	0.00	0	69.9	69.9	69.9	
1-2 AM	450	0.0	OFF	450	0	0.00	0	70.2	70.2	70.2	
2-3 AM	281	0.0	OFF	281	0	0.00	0	70.2	70.2	70.2	
3-4 AM	202	0.0	OFF	202	0	0.00	0	70.2	70.2	70.2	
4-5 AM	226	0.0	OFF	226	0	0.00	0	70.2	70.2	70.2	
5-6 AM	346	0.0	OFF	346	0	0.00	0	70.2	70.2	70.2	
6-7 AM	694	0.0	OFF	694	0	0.00	0	69.9	69.9	69.9	
7-8 AM	857	0.0	OFF	857	0	0.00	0	69.7	69.7	69.7	
8-9 AM	1330	0.0	OFF	1330	0	0.00	0	69.1	69.1	69.1	
9-10 AM	2089	0.0	2999	2089	0	0.33	0	68.1	58.5	49.7	
10-11 AM	3002	0.0	2999	3002	0	1.03	25	67.0	44.6	38.9	
11AM-NOON	3686	0.0	3000	3686	0	7.58	424	65.7	15.6	37.3	
NOON-1PM	3609	0.0	2999	3058	551	16.72+	883	66.2	10.5	37.3	
1-2 PM	3215	0.0	3000	3015	200	16.67+	878	66.8	10.6	37.3	
2-3 PM	3481	0.0	3000	3009	472	16.69+	881	66.4	10.5	37.3	
3-4 PM	3330	0.0	3000	3005	325	16.68+	880	66.6	10.6	37.3	
4-5 PM	3213	0.0	3000	3002	210	16.67+	879	66.8	10.6	37.3	
5-6 PM	3011	0.0	3000	2983	28	16.57+	872	67.0	10.6	37.3	
6-7 PM	2843	0.0	2999	2843	0	15.22+	799	67.2	10.9	37.3	
7-8 PM	2408	0.0	OFF	2408	0	0.71	68	67.8	50.2	50.2	
8-9 PM	2027	0.0	OFF	2027	0	0.00	0	68.2	68.2	68.2	
9-10 PM	1466	0.0	OFF	1466	0	0.00	0	68.9	68.9	68.9	
10-11 PM	975	0.0	OFF	975	0	0.00	0	69.6	69.6	69.6	
11PM-MID	566	0.0	OFF	566	0	0.00	0	70.0	70.0	70.0	

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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

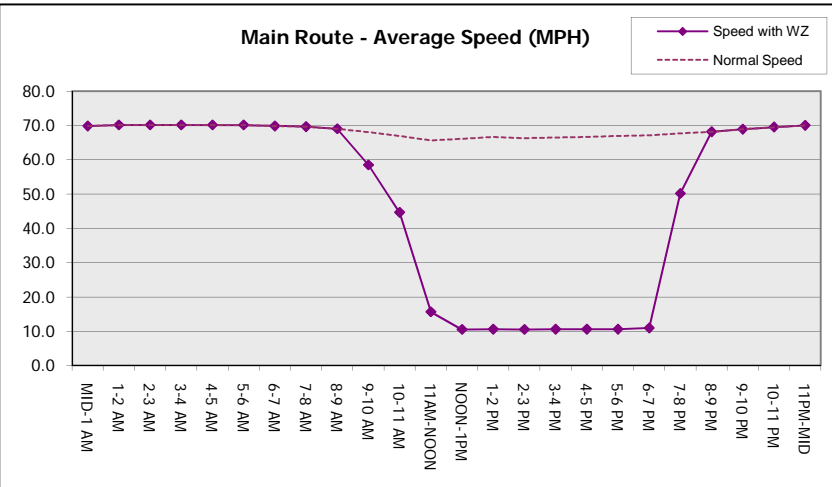
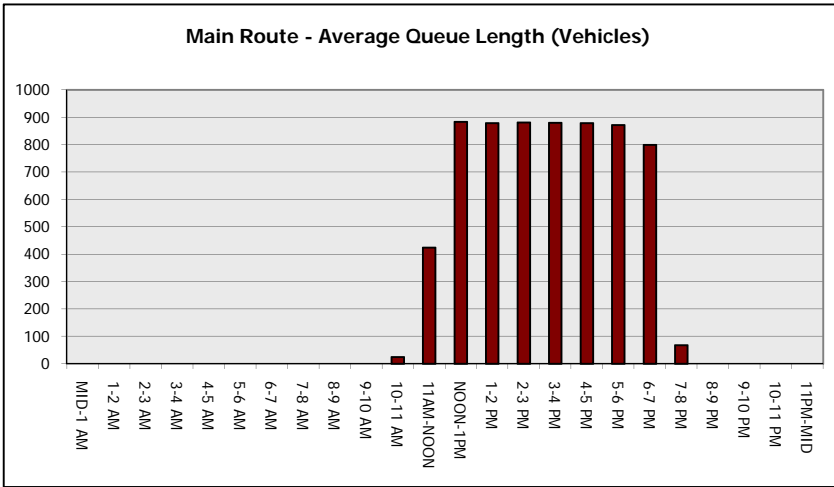
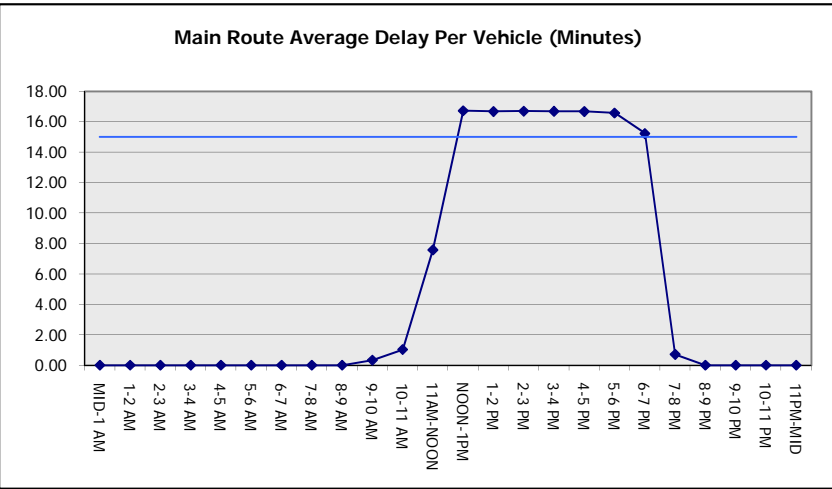
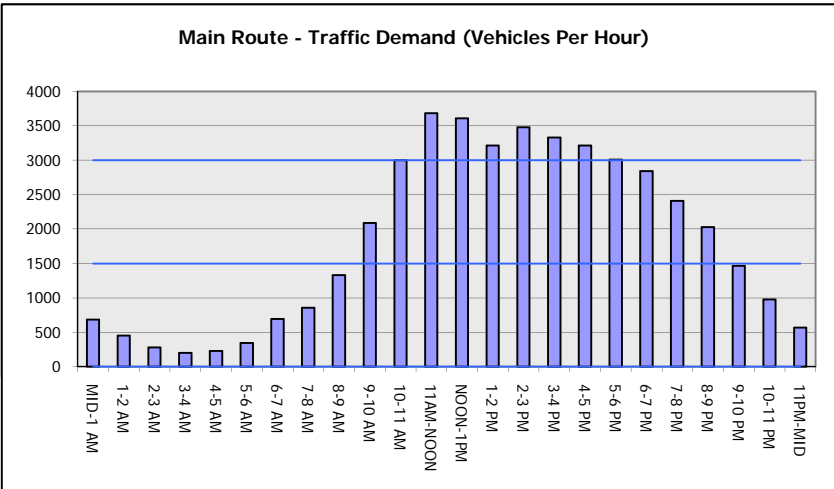
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0161
MAIN ROUTE WITH WORKS	0.0135
'DIVERSION'	0.0015
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$112,872
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding User-Specified Maximum

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OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

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



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	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	856	0.0	OFF	856	0	0.00	0	69.7	69.7	69.7
1-2 AM	521	0.0	OFF	521	0	0.00	0	70.1	70.1	70.1
2-3 AM	399	0.0	OFF	399	0	0.00	0	70.2	70.2	70.2
3-4 AM	222	0.0	OFF	222	0	0.00	0	70.2	70.2	70.2
4-5 AM	182	0.0	OFF	182	0	0.00	0	70.2	70.2	70.2
5-6 AM	319	0.0	OFF	319	0	0.00	0	70.2	70.2	70.2
6-7 AM	535	0.0	OFF	535	0	0.00	0	70.0	70.0	70.0
7-8 AM	817	0.0	OFF	817	0	0.00	0	69.7	69.7	69.7
8-9 AM	1149	0.0	OFF	1149	0	0.00	0	69.3	69.3	69.3
9-10 AM	1613	0.0	3000	1613	0	0.34	0	68.7	58.7	49.7
10-11 AM	2107	0.0	3000	2107	0	0.33	0	68.1	58.5	49.7
11AM-NOON	2393	0.0	3000	2393	0	0.33	0	67.8	58.2	49.5
NOON-1PM	2699	0.0	3000	2699	0	0.53	0	67.4	53.5	42.5
1-2 PM	2870	0.0	3000	2870	0	0.64	0	67.2	51.1	39.3
2-3 PM	2918	0.0	2999	2918	0	0.68	0	67.1	50.5	38.6
3-4 PM	3117	0.0	2999	3117	0	1.50	46	66.9	38.8	37.3
4-5 PM	3294	0.0	3000	3294	0	5.19	260	66.6	19.2	37.3
5-6 PM	3230	0.0	3000	3230	0	10.60	548	66.7	12.8	37.3
6-7 PM	2598	0.0	2999	2598	0	9.06	474	67.5	13.8	37.9
7-8 PM	2137	0.0	OFF	2137	0	0.08	7	68.1	65.4	65.4
8-9 PM	1794	0.0	OFF	1794	0	0.00	0	68.5	68.5	68.5
9-10 PM	1545	0.0	OFF	1545	0	0.00	0	68.8	68.8	68.8
10-11 PM	1322	0.0	OFF	1322	0	0.00	0	69.1	69.1	69.1
11PM-MID	746	0.0	OFF	746	0	0.00	0	69.8	69.8	69.8

"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	0.0144
MAIN ROUTE WITH WORKS	0.0126
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$24,085
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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**SUNDAY NORTHBOUND DIRECTION**

