

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</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	879	0.0	3000	879	0	0.35	0	69.6	57.3	49.7
1-2 AM	510	0.0	3000	510	0	0.36	0	70.1	57.4	49.7
2-3 AM	459	0.0	3000	459	0	0.36	0	70.2	57.4	49.7
3-4 AM	377	0.0	3000	377	0	0.36	0	70.2	57.4	49.7
4-5 AM	467	0.0	3000	467	0	0.36	0	70.2	57.4	49.7
5-6 AM	935	0.0	3000	935	0	0.35	0	69.6	57.3	49.7
6-7 AM	1622	0.0	3000	1622	0	0.34	0	68.7	57.0	49.7
7-8 AM	2205	0.0	3000	2205	0	0.33	0	68.0	56.8	49.7
8-9 AM	2701	0.0	2999	2701	0	0.53	0	67.4	51.4	42.7
9-10 AM	3404	0.0	2999	3404	0	2.96	158	66.5	24.8	37.3
10-11 AM	4095	0.0	3000	3516	579	14.38+	777	62.9	10.6	37.3
11AM-NOON	4560	0.0	3000	3042	1518	17.63+	952	59.7	9.7	37.3
NOON-1PM	4846	0.0	2999	3000	1846	17.80+	968	57.8	9.7	37.3
1-2 PM	4488	0.0	3000	2982	1506	17.66+	952	60.2	9.7	37.3
2-3 PM	4525	0.0	2999	3011	1515	17.67+	953	59.9	9.7	37.3
3-4 PM	4527	0.0	3000	2996	1531	17.70+	955	59.9	9.7	37.3
4-5 PM	4309	0.0	3000	2968	1341	17.37+	932	61.4	9.8	37.3
5-6 PM	3950	0.0	3000	2987	963	16.99+	904	63.9	9.9	37.3
6-7 PM	3310	0.0	3000	2995	315	16.97+	896	66.6	10.0	37.3
7-8 PM	2747	0.0	2999	2747	0	15.29+	804	67.3	10.4	37.3
8-9 PM	2379	0.0	2999	2379	0	6.15	359	67.8	16.6	40.8
9-10 PM	2081	0.0	3000	2081	0	0.34	0	68.1	56.6	49.7
10-11 PM	1870	0.0	3000	1870	0	0.34	0	68.4	56.9	49.7
11PM-MID	1473	0.0	3000	1473	0	0.34	0	68.9	57.1	49.7

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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

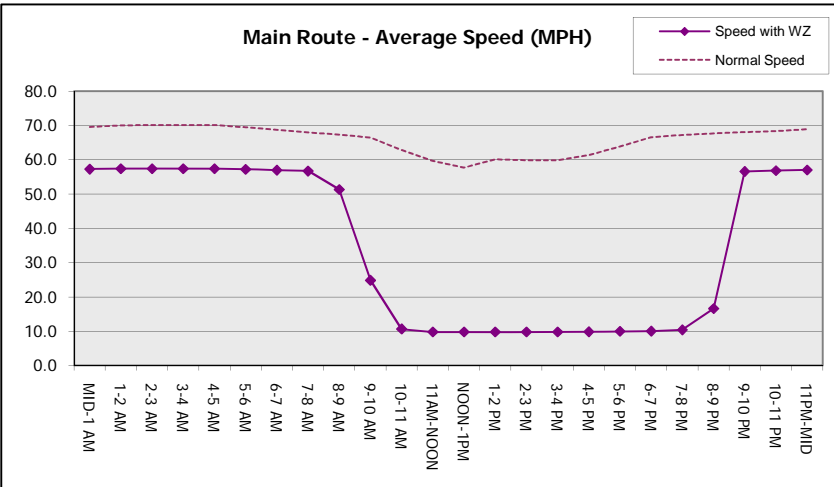
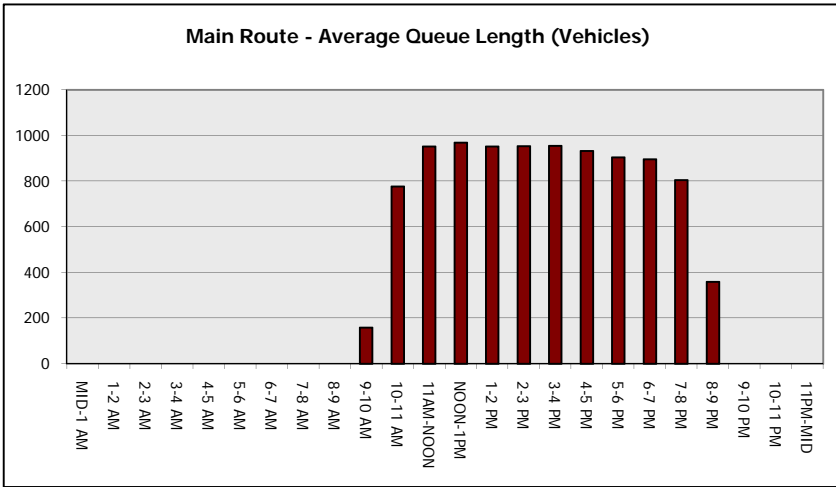
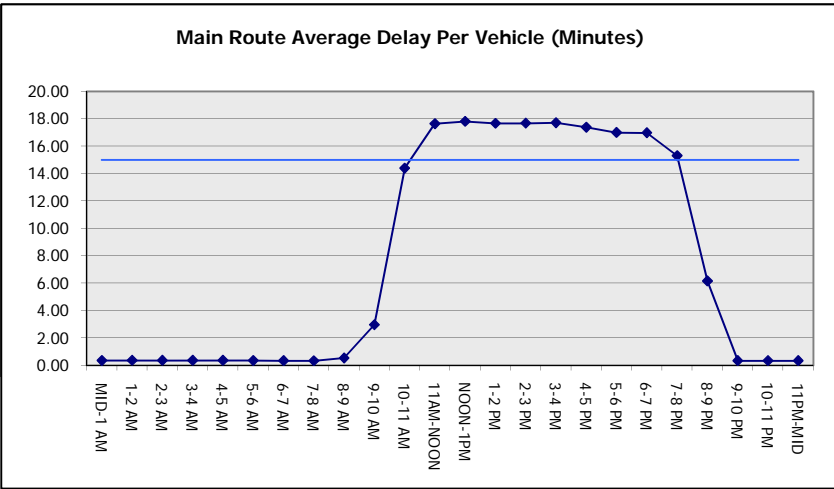
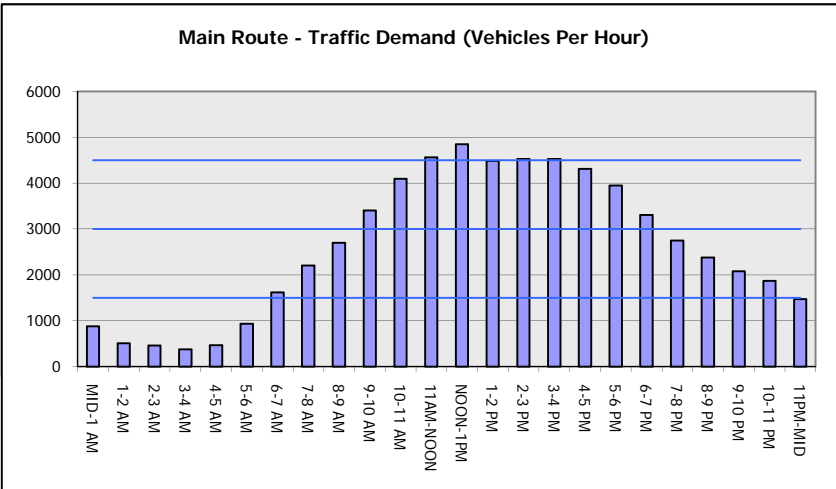
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0190
MAIN ROUTE WITH WORKS	0.0122
'DIVERSION'	0.0078
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$205,266
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SATURDAY SOUTHBOUND DIRECTION**



<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
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**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	1388	0.0	3000	1388	0	0.34	0	69.0	57.1	49.7
1-2 AM	924	0.0	3000	924	0	0.35	0	69.6	57.3	49.7
2-3 AM	843	0.0	3000	843	0	0.35	0	69.7	57.3	49.7
3-4 AM	639	0.0	3000	639	0	0.36	0	69.9	57.4	49.7
4-5 AM	853	0.0	3000	853	0	0.35	0	69.7	57.3	49.7
5-6 AM	1292	0.0	3000	1292	0	0.35	0	69.1	57.1	49.7
6-7 AM	1945	0.0	3000	1945	0	0.34	0	68.3	56.9	49.7
7-8 AM	2575	0.0	2999	2575	0	0.45	0	67.6	53.4	45.3
8-9 AM	3044	0.0	2999	3044	0	1.00	18	66.9	42.2	37.8
9-10 AM	3432	0.0	3000	3432	0	5.10	267	66.4	17.8	37.3
10-11 AM	3797	0.0	3000	3375	422	14.87+	793	64.9	10.5	37.3
11AM-NOON	4257	0.0	3000	3050	1207	17.14+	918	61.8	9.9	37.3
NOON-1PM	4508	0.0	3000	3023	1485	17.61+	949	60.1	9.7	37.3
1-2 PM	4458	0.0	3000	2991	1468	17.59+	947	60.4	9.8	37.3
2-3 PM	4524	0.0	3000	3009	1515	17.67+	953	59.9	9.7	37.3
3-4 PM	4507	0.0	3000	2990	1517	17.68+	953	60.1	9.7	37.3
4-5 PM	4104	0.0	3000	2965	1139	17.09+	912	62.8	9.9	37.3
5-6 PM	3828	0.0	2999	2995	833	16.98+	901	64.7	9.9	37.3
6-7 PM	3234	0.0	3000	2995	240	16.96+	895	66.7	10.0	37.3
7-8 PM	2802	0.0	2999	2802	0	15.50+	815	67.3	10.3	37.3
8-9 PM	2800	0.0	3000	2800	0	11.57	599	67.3	11.6	37.3
9-10 PM	2904	0.0	3000	2904	0	9.08	460	67.1	12.9	37.3
10-11 PM	2605	0.0	2999	2605	0	4.32	234	67.5	19.9	39.6
11PM-MID	2091	0.0	3000	2091	0	0.33	0	68.1	56.8	49.7

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

*----- 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	0.0204
MAIN ROUTE WITH WORKS	0.0136
'DIVERSION'	0.0069

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$216,388
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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