

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	481	0.0	3000	481	0	0.36	0	70.1	57.4	49.7
1-2 AM	323	0.0	3000	323	0	0.36	0	70.2	57.4	49.7
2-3 AM	301	0.0	3000	301	0	0.36	0	70.2	57.4	49.7
3-4 AM	336	0.0	3000	336	0	0.36	0	70.2	57.4	49.7
4-5 AM	811	0.0	3000	811	0	0.35	0	69.7	57.3	49.7
5-6 AM	2261	0.0	2999	2261	0	0.44	0	67.9	53.7	45.6
6-7 AM	4712	0.0	2999	3842	869	10.38+	621	58.7	12.5	37.3
7-8 AM	5759	0.0	2999	3000	2759	17.35+	968	51.5	9.7	37.6
8-9 AM	5305	0.0	3000	3047	2257	17.47+	961	54.6	9.7	37.3
9-10 AM	4646	0.0	3000	3071	1575	17.63+	953	59.1	9.7	37.3
10-11 AM	4682	0.0	2999	3003	1678	17.86+	967	58.9	9.7	37.3
11AM-NOON	4872	0.0	3000	3000	1872	17.79+	968	57.6	9.7	37.3
NOON-1PM	4959	0.0	3000	3000	1959	17.75+	968	57.0	9.7	37.3
1-2 PM	4992	0.0	3000	3000	1992	17.74+	968	56.8	9.7	37.3
2-3 PM	5327	0.0	3000	3000	2327	17.58+	968	54.5	9.7	37.3
3-4 PM	4381	0.0	3000	2946	1435	17.55+	944	60.9	9.8	37.3
4-5 PM	3599	0.0	3000	2994	605	17.01+	899	66.3	9.9	37.3
5-6 PM	3907	0.0	2999	2999	908	16.97+	902	64.1	9.9	37.3
6-7 PM	4416	0.0	2999	3030	1387	17.42+	937	60.7	9.8	37.3
7-8 PM	3407	0.0	3000	2972	436	16.97+	896	66.5	10.0	37.3
8-9 PM	2617	0.0	2999	2617	0	14.19+	747	67.5	10.7	37.3
9-10 PM	2319	0.0	2999	2319	0	2.66	218	67.9	27.6	44.4
10-11 PM	1974	0.0	3000	1974	0	0.34	0	68.3	56.9	49.7
11PM-MID	1585	0.0	3000	1585	0	0.34	0	68.7	57.0	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

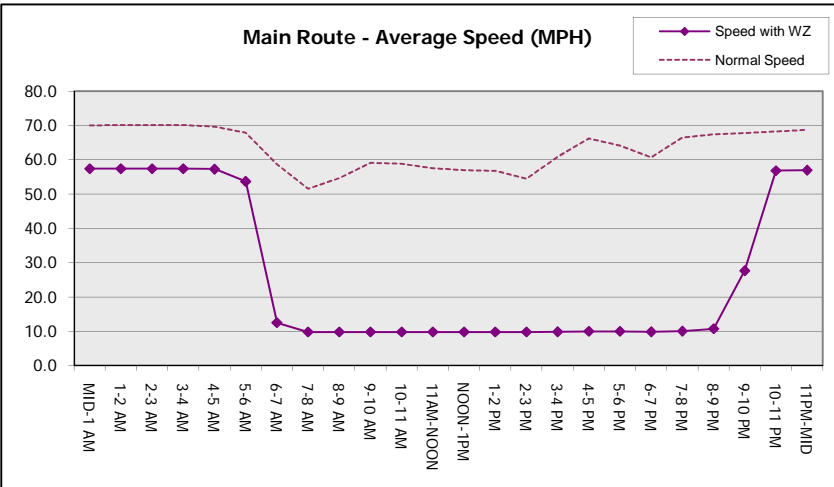
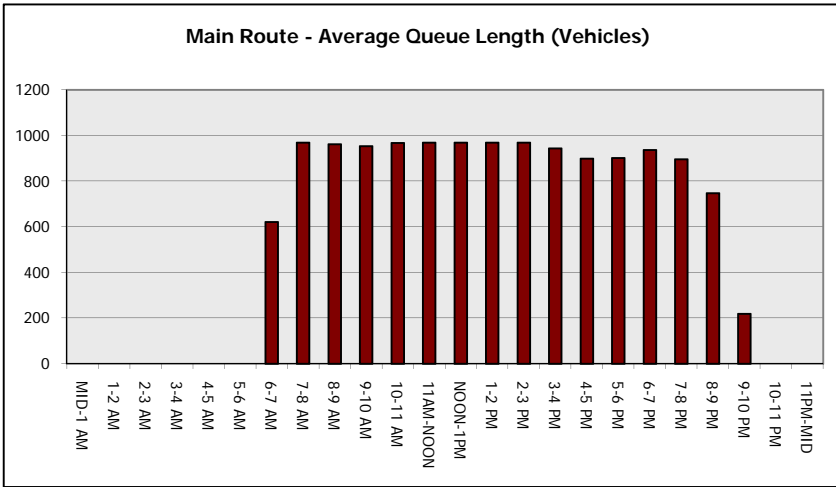
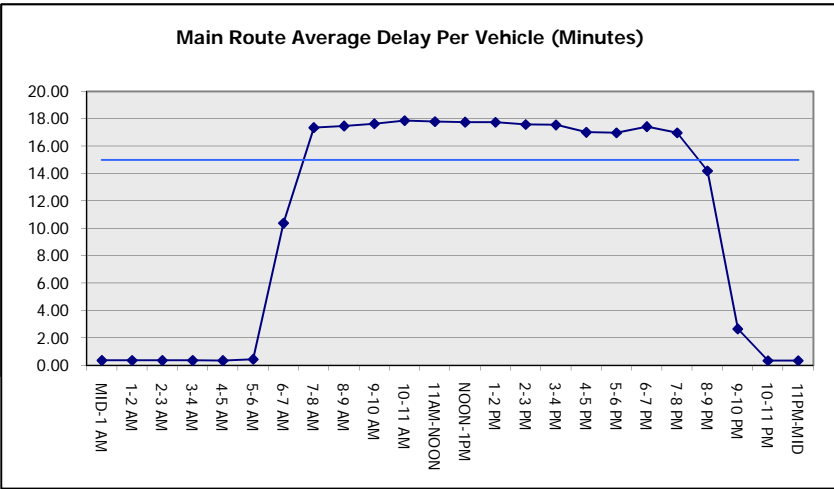
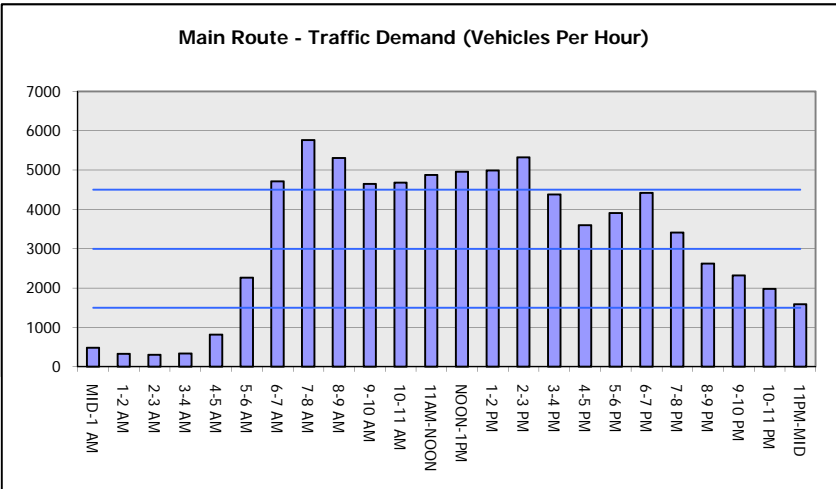
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0236
MAIN ROUTE WITH WORKS	0.0132
'DIVERSION'	0.0155
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$259,170
CONGESTED HOURS PER DAY*	15

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	770	0.0	3000	770	0	0.35	0	69.8	57.3	49.7	
1-2 AM	553	0.0	3000	553	0	0.36	0	70.0	57.4	49.7	
2-3 AM	490	0.0	3000	490	0	0.36	0	70.1	57.4	49.7	
3-4 AM	474	0.0	3000	474	0	0.36	0	70.2	57.4	49.7	
4-5 AM	1260	0.0	3000	1260	0	0.35	0	69.2	57.1	49.7	
5-6 AM	3126	0.0	2999	3126	0	1.37	78	66.8	37.0	40.6	
6-7 AM	5270	0.0	3000	3584	1686	15.34+	861	54.8	10.3	38.0	
7-8 AM	6215	0.0	2999	3000	3215	17.10+	968	48.4	9.7	37.3	
8-9 AM	5200	0.0	2999	3018	2181	17.59+	965	55.3	9.7	37.3	
9-10 AM	4376	0.0	3000	3010	1366	17.39+	935	61.0	9.8	37.3	
10-11 AM	4507	0.0	2999	3034	1472	17.58+	948	60.1	9.8	37.3	
11AM-NOON	4825	0.0	2999	3000	1825	17.81+	968	57.9	9.7	37.3	
NOON-1PM	4983	0.0	3000	3000	1983	17.74+	968	56.8	9.7	37.3	
1-2 PM	5294	0.0	3000	3000	2294	17.60+	968	54.7	9.7	37.3	
2-3 PM	5996	0.0	3000	3000	2996	17.23+	968	49.9	9.7	37.3	
3-4 PM	6235	0.0	3000	3000	3235	17.09+	968	48.3	9.7	37.3	
4-5 PM	6484	0.0	3000	3000	3484	16.93+	968	46.6	9.7	37.3	
5-6 PM	5735	0.0	3000	3000	2735	17.38+	968	51.7	9.7	37.3	
6-7 PM	4921	0.0	3000	3004	1917	17.76+	967	57.3	9.7	37.3	
7-8 PM	3586	0.0	3000	2962	624	17.04+	900	66.3	9.9	37.3	
8-9 PM	3120	0.0	2999	2972	149	16.92+	892	66.9	10.0	37.3	
9-10 PM	3091	0.0	2999	2998	93	16.95+	893	66.9	10.0	37.3	
10-11 PM	2915	0.0	3000	2895	20	16.48+	868	67.1	10.1	37.3	
11PM-MID	2095	0.0	2999	2095	0	5.20	410	68.1	19.6	43.5	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0277
MAIN ROUTE WITH WORKS	0.0143
'DIVERSION'	0.0219

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$324,447
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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