

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	431	0.0	1500	431	0	0.53	0	70.2	53.0	43.8	
1-2 AM	369	0.0	1500	369	0	0.52	0	70.2	53.2	44.0	
2-3 AM	569	0.0	1500	569	0	0.54	0	70.0	52.6	43.2	
3-4 AM	799	0.0	1500	799	0	0.57	0	69.7	51.9	42.4	
4-5 AM	1121	0.0	1499	1121	0	0.66	0	69.4	49.5	39.7	
5-6 AM	1597	0.0	1499	1597	0	1.87	32	68.7	32.3	31.5	
6-7 AM	2426	0.0	1500	1850	576	14.54+	366	67.7	8.1	30.8	
7-8 AM	3155	0.0	1499	1477	1678	17.13+	421	66.8	7.3	30.8	
8-9 AM	3885	0.0	1499	1500	2385	17.13+	423	64.3	7.3	30.8	
9-10 AM	4116	0.0	1500	1500	2616	17.08+	423	62.7	7.3	30.8	
10-11 AM	4143	0.0	1500	1500	2643	17.07+	423	62.5	7.3	30.8	
11AM-NOON	4272	0.0	1500	1500	2772	17.04+	423	61.7	7.3	30.8	
NOON-1PM	4403	0.0	1500	1500	2903	17.01+	423	60.8	7.3	30.8	
1-2 PM	4151	0.0	1500	1500	2651	17.07+	423	62.5	7.3	30.8	
2-3 PM	3923	0.0	1500	1500	2423	17.12+	423	64.0	7.3	30.8	
3-4 PM	3635	0.0	1500	1500	2135	17.19+	423	66.0	7.3	30.8	
4-5 PM	3309	0.0	1499	1491	1818	17.17+	422	66.6	7.3	30.8	
5-6 PM	2702	0.0	1499	1486	1217	17.00+	417	67.4	7.3	30.8	
6-7 PM	2180	0.0	1499	1498	682	16.91+	414	68.0	7.3	30.8	
7-8 PM	1601	0.0	1499	1458	143	16.74+	409	68.7	7.4	30.8	
8-9 PM	1077	0.0	1499	1077	0	5.94	206	69.4	15.6	35.6	
9-10 PM	710	0.0	1500	710	0	0.56	0	69.9	52.1	42.7	
10-11 PM	515	0.0	1500	515	0	0.53	0	70.1	52.8	43.5	
11PM-MID	380	0.0	1500	380	0	0.52	0	70.2	53.2	44.0	

+ 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

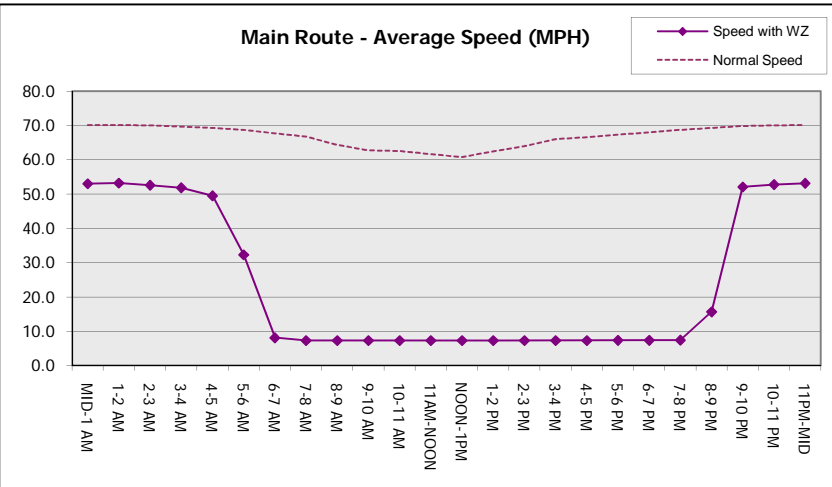
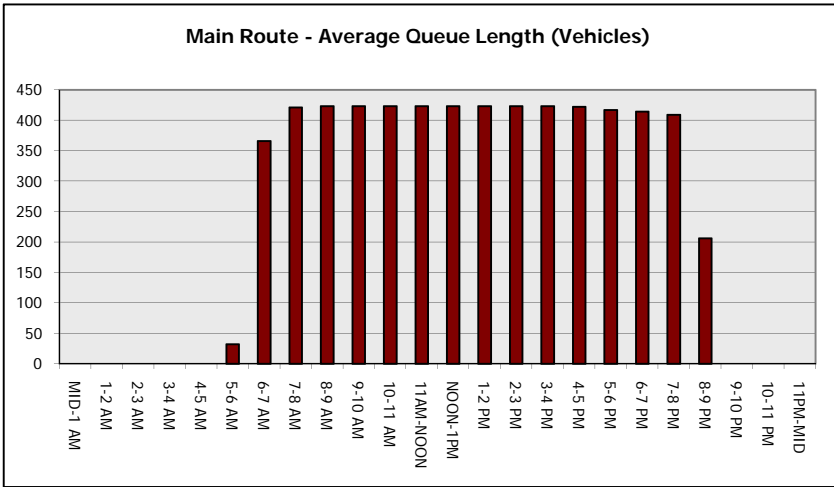
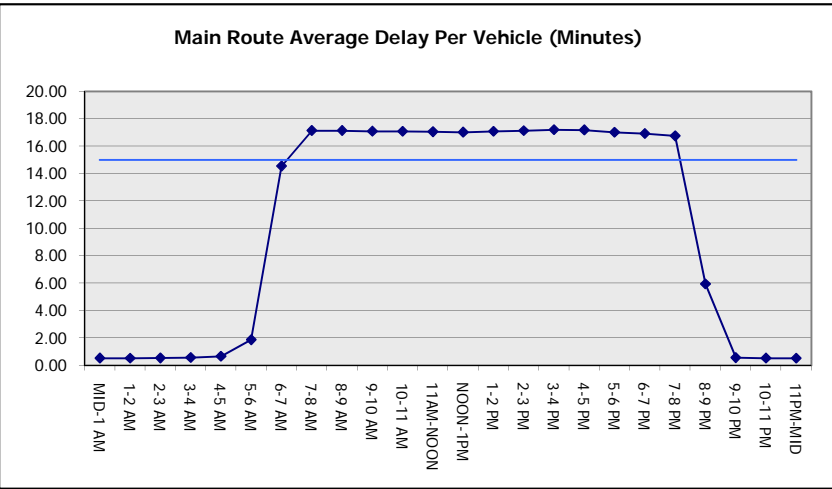
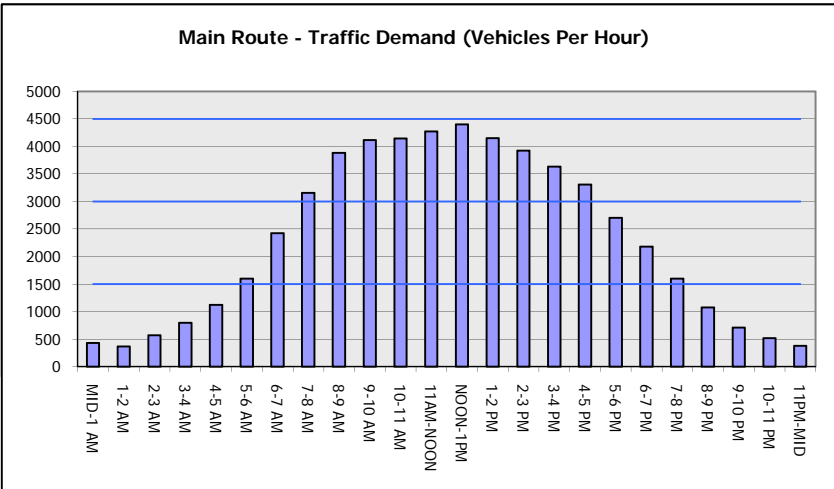
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0168
MAIN ROUTE WITH WORKS	0.0068
'DIVERSION'	0.0187
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$223,024
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	1407	0.0	1500	1407	0	0.98	0	69.0	43.3	32.8
1-2 AM	1277	0.0	1500	1277	0	0.81	0	69.1	46.4	36.1
2-3 AM	1381	0.0	1499	1381	0	0.94	0	69.0	44.0	33.4
3-4 AM	1474	0.0	1499	1474	0	1.12	1	68.9	41.0	31.5
4-5 AM	1715	0.0	1500	1715	0	4.10	96	68.6	19.8	30.8
5-6 AM	2074	0.0	1500	1726	349	15.23+	375	68.2	7.8	30.8
6-7 AM	2671	0.0	1499	1485	1186	17.00+	417	67.4	7.3	30.8
7-8 AM	3189	0.0	1499	1495	1694	17.19+	422	66.8	7.3	30.8
8-9 AM	3700	0.0	1500	1500	2200	17.17+	423	65.6	7.3	30.8
9-10 AM	4063	0.0	1500	1500	2563	17.09+	423	63.1	7.3	30.8
10-11 AM	4210	0.0	1500	1500	2710	17.05+	423	62.1	7.3	30.8
11AM-NOON	4430	0.0	1500	1500	2930	17.00+	423	60.6	7.3	30.8
NOON-1PM	4745	0.0	1500	1500	3245	16.91+	423	58.4	7.3	30.8
1-2 PM	4763	0.0	1500	1500	3263	16.91+	423	58.3	7.3	30.8
2-3 PM	4431	0.0	1500	1500	2931	17.00+	423	60.6	7.3	30.8
3-4 PM	3989	0.0	1500	1500	2489	17.11+	423	63.6	7.3	30.8
4-5 PM	3650	0.0	1500	1500	2150	17.19+	423	65.9	7.3	30.8
5-6 PM	3164	0.0	1500	1497	1667	17.18+	422	66.8	7.3	30.8
6-7 PM	2715	0.0	1500	1496	1219	16.98+	417	67.4	7.3	30.8
7-8 PM	2315	0.0	1500	1499	816	16.92+	414	67.9	7.3	30.8
8-9 PM	1900	0.0	1500	1499	401	16.91+	414	68.4	7.3	30.8
9-10 PM	1602	0.0	1500	1495	107	16.89+	413	68.7	7.3	30.8
10-11 PM	1368	0.0	1499	1368	0	14.90+	363	69.1	7.9	30.8
11PM-MID	1151	0.0	1499	1151	0	3.22	113	69.3	23.5	35.7

+ 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	0.0084
'DIVERSION'	0.0224

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$274,630
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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