

USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY) OFF-PEAK DAY 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	OFF	431	0	0.00	0	70.2	70.2	70.2	
1-2 AM	369	0.0	OFF	369	0	0.00	0	70.2	70.2	70.2	
2-3 AM	569	0.0	OFF	569	0	0.00	0	70.0	70.0	70.0	
3-4 AM	799	0.0	OFF	799	0	0.00	0	69.7	69.7	69.7	
4-5 AM	1121	0.0	OFF	1121	0	0.00	0	69.4	69.4	69.4	
5-6 AM	1597	0.0	OFF	1597	0	0.00	0	68.7	68.7	68.7	
6-7 AM	2426	0.0	OFF	2426	0	0.00	0	67.7	67.7	67.7	
7-8 AM	3155	0.0	OFF	3155	0	0.00	0	66.8	66.8	66.8	
8-9 AM	3885	0.0	OFF	3885	0	0.00	0	64.3	64.3	64.3	
9-10 AM	4116	0.0	1499	1580	2535	17.24+	435	62.7	7.3	36.5	
10-11 AM	4143	0.0	1499	1859	2285	15.60+	401	62.5	7.8	34.7	
11AM-NOON	4272	0.0	1499	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	1500	1497	1812	17.20+	423	66.6	7.3	30.8	
5-6 PM	2702	0.0	1499	1492	1211	16.99+	417	67.4	7.3	30.8	
6-7 PM	2180	0.0	1500	1499	681	16.91+	414	68.0	7.3	30.8	
7-8 PM	1601	0.0	OFF	1601	0	0.22	20	68.7	60.7	60.7	
8-9 PM	1077	0.0	OFF	1077	0	0.00	0	69.4	69.4	69.4	
9-10 PM	710	0.0	OFF	710	0	0.00	0	69.9	69.9	69.9	
10-11 PM	515	0.0	OFF	515	0	0.00	0	70.1	70.1	70.1	
11PM-MID	380	0.0	OFF	380	0	0.00	0	70.2	70.2	70.2	

"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 (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

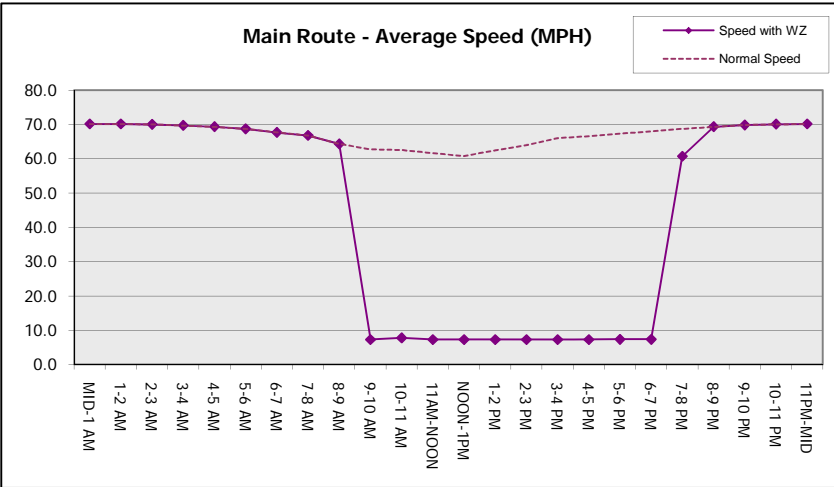
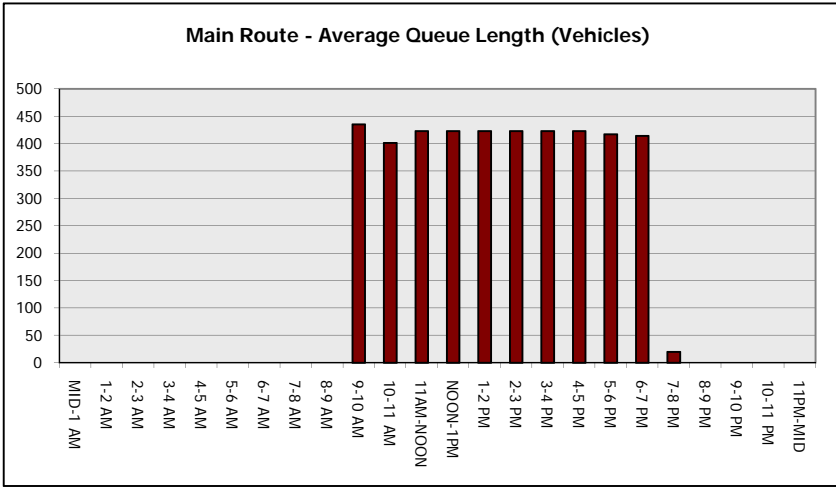
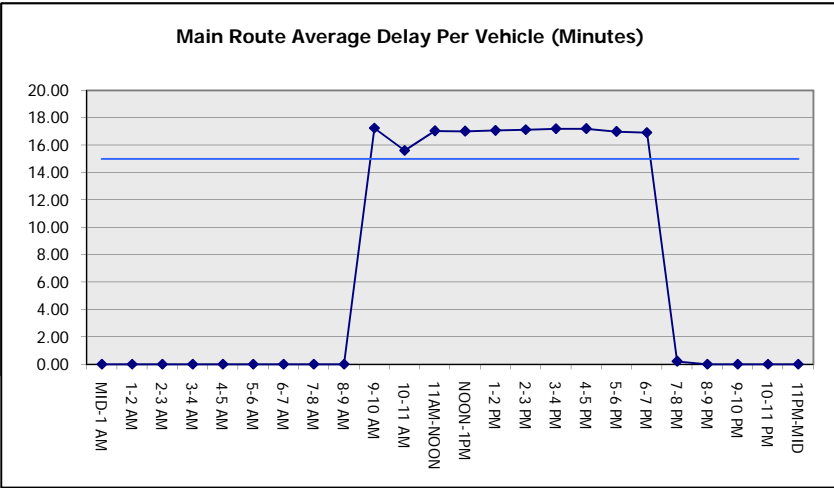
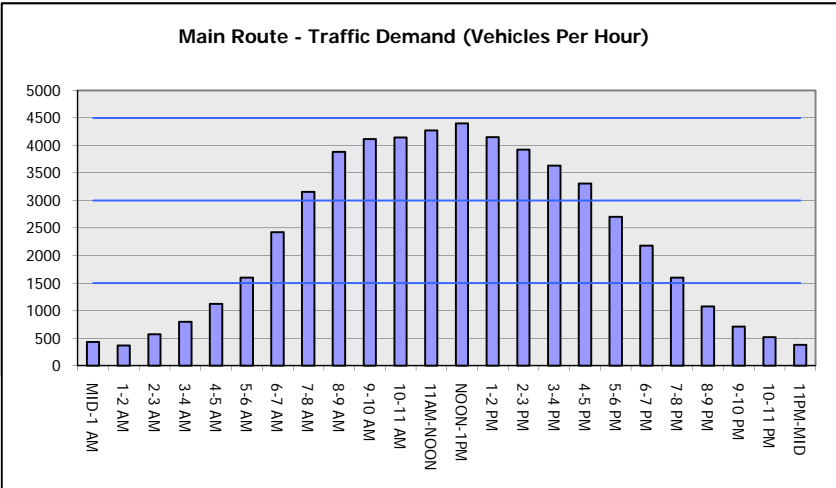
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0168
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0150
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$172,192
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	OFF	1407	0	0.00	0	69.0	69.0	69.0
1-2 AM	1277	0.0	OFF	1277	0	0.00	0	69.1	69.1	69.1
2-3 AM	1381	0.0	OFF	1381	0	0.00	0	69.0	69.0	69.0
3-4 AM	1474	0.0	OFF	1474	0	0.00	0	68.9	68.9	68.9
4-5 AM	1715	0.0	OFF	1715	0	0.00	0	68.6	68.6	68.6
5-6 AM	2074	0.0	OFF	2074	0	0.00	0	68.2	68.2	68.2
6-7 AM	2671	0.0	OFF	2671	0	0.00	0	67.4	67.4	67.4
7-8 AM	3189	0.0	OFF	3189	0	0.00	0	66.8	66.8	66.8
8-9 AM	3700	0.0	OFF	3700	0	0.00	0	65.6	65.6	65.6
9-10 AM	4063	0.0	1499	1580	2483	17.24+	434	63.1	7.3	36.5
10-11 AM	4210	0.0	1499	1871	2339	15.61+	401	62.1	7.8	34.6
11AM-NOON	4430	0.0	1499	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	1499	1487	1678	17.16+	422	66.8	7.3	30.8
6-7 PM	2715	0.0	1499	1489	1225	16.99+	417	67.4	7.3	30.8
7-8 PM	2315	0.0	OFF	2315	0	0.26	24	67.9	58.7	58.7
8-9 PM	1900	0.0	OFF	1900	0	0.00	0	68.4	68.4	68.4
9-10 PM	1602	0.0	OFF	1602	0	0.00	0	68.7	68.7	68.7
10-11 PM	1368	0.0	OFF	1368	0	0.00	0	69.1	69.1	69.1
11PM-MID	1151	0.0	OFF	1151	0	0.00	0	69.3	69.3	69.3

"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 (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	0.0119
'DIVERSION'	0.0173

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$187,478
CONGESTED HOURS PER DAY*	10

*Delays Exceeding User-Specified Maximum

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