

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

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	583	0.0	1500	583	0	0.54	0	70.0	52.5	43.2	
1-2 AM	800	0.0	1500	800	0	0.57	0	69.7	51.8	42.4	
2-3 AM	2043	0.0	1499	2043	0	5.08	177	68.2	17.6	30.8	
3-4 AM	3816	0.0	1500	1471	2345	16.99+	421	64.8	7.3	32.2	
4-5 AM	4237	0.0	1499	1496	2741	17.03+	423	61.9	7.3	30.9	
5-6 AM	4318	0.0	1500	1500	2818	17.03+	423	61.4	7.3	30.8	
6-7 AM	4715	0.0	1500	1500	3215	16.92+	423	58.6	7.3	30.8	
7-8 AM	4935	0.0	1500	1500	3435	16.86+	423	57.1	7.3	30.8	
8-9 AM	4733	0.0	1500	1500	3233	16.91+	423	58.5	7.3	30.8	
9-10 AM	4575	0.0	1500	1500	3075	16.96+	423	59.6	7.3	30.8	
10-11 AM	4796	0.0	1500	1500	3296	16.90+	423	58.1	7.3	30.8	
11AM-NOON	5309	0.0	1500	1500	3809	16.74+	423	54.6	7.3	30.8	
NOON-1PM	5073	0.0	1500	1500	3573	16.82+	423	56.2	7.3	30.8	
1-2 PM	4719	0.0	1500	1500	3219	16.92+	423	58.6	7.3	30.8	
2-3 PM	5182	0.0	1500	1500	3682	16.78+	423	55.5	7.3	30.8	
3-4 PM	4774	0.0	1500	1500	3274	16.90+	423	58.2	7.3	30.8	
4-5 PM	3827	0.0	1499	1481	2346	17.09+	422	64.7	7.3	30.8	
5-6 PM	3275	0.0	1499	1470	1804	17.11+	420	66.7	7.3	30.8	
6-7 PM	2772	0.0	1499	1477	1295	17.04+	418	67.3	7.3	30.8	
7-8 PM	2327	0.0	1499	1498	830	16.92+	414	67.8	7.3	30.8	
8-9 PM	1676	0.0	1499	1465	211	16.77+	410	68.6	7.4	30.8	
9-10 PM	1235	0.0	1499	1235	0	11.57	288	69.2	9.3	31.6	
10-11 PM	1032	0.0	1500	1032	0	1.07	23	69.4	42.0	40.6	
11PM-MID	725	0.0	1500	725	0	0.56	0	69.9	52.0	42.7	

+ 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

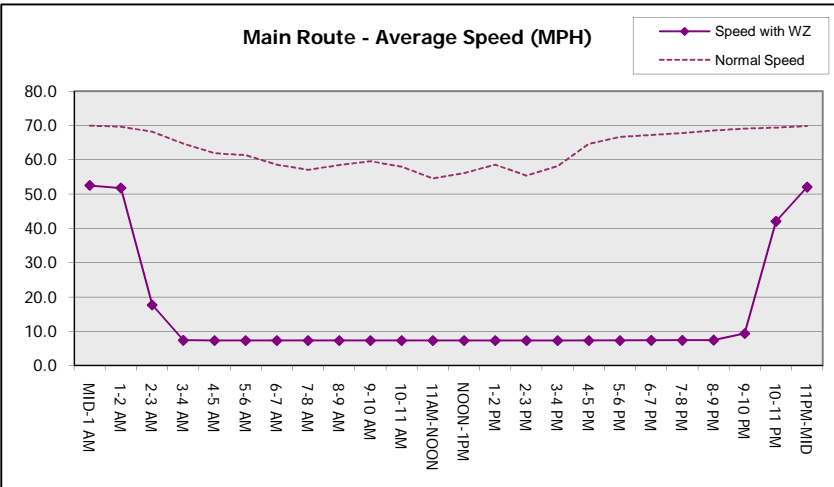
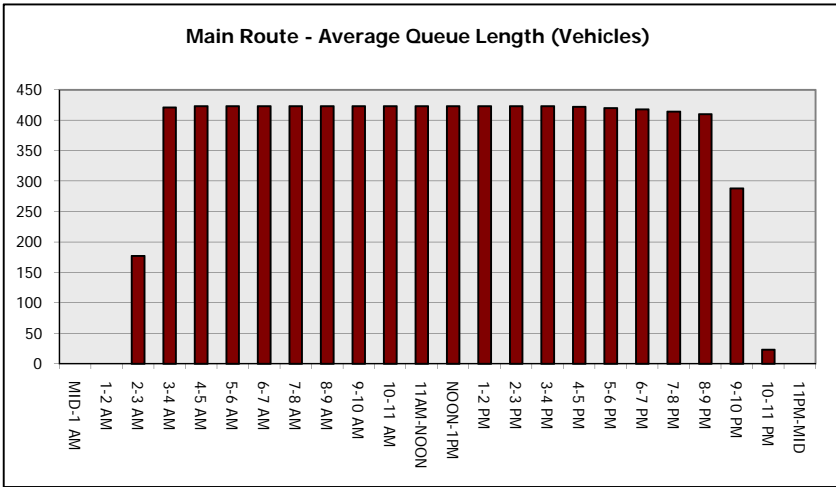
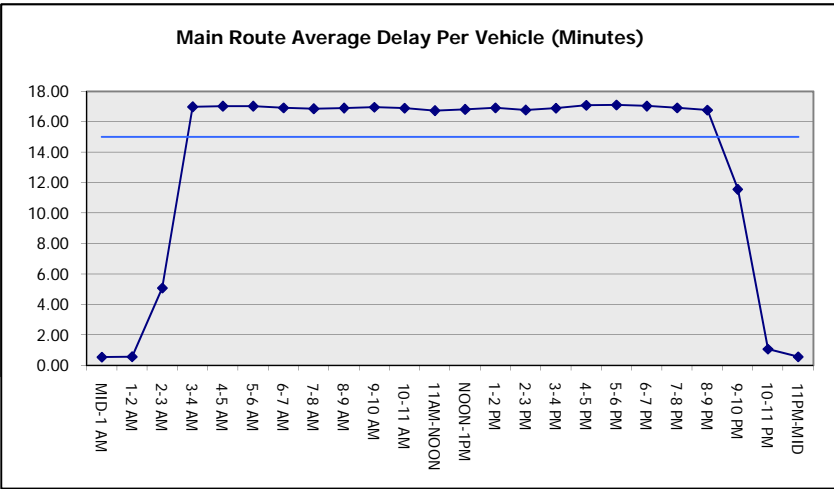
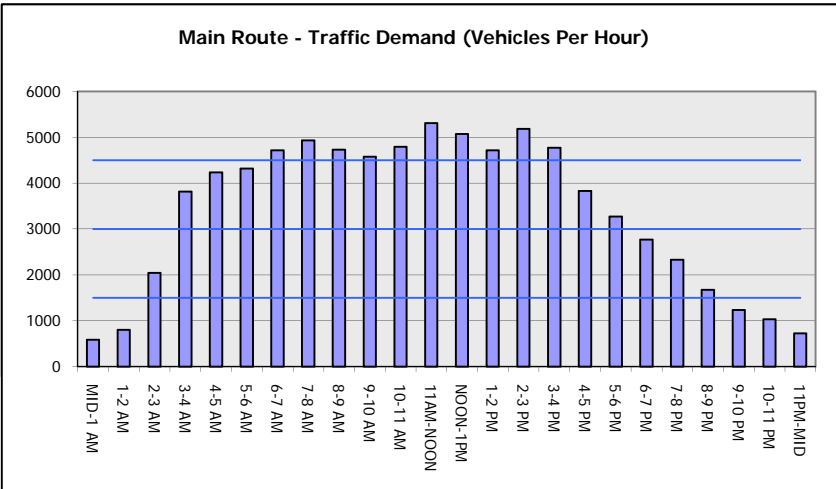
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0247
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0338
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$281,422
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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	1416	0.0	1500	1416	0	14.62+	354	69.0	7.9	30.8
1-2 AM	1850	0.0	1500	1563	287	15.59+	381	68.4	7.7	30.8
2-3 AM	3232	0.0	1500	1515	1717	17.13+	421	66.7	7.3	30.8
3-4 AM	4422	0.0	1500	1500	2922	17.00+	423	60.7	7.3	30.8
4-5 AM	4992	0.0	1500	1500	3492	16.84+	423	56.8	7.3	30.8
5-6 AM	4818	0.0	1500	1500	3318	16.89+	423	57.9	7.3	30.8
6-7 AM	5076	0.0	1500	1500	3576	16.82+	423	56.2	7.3	30.8
7-8 AM	5280	0.0	1500	1500	3780	16.75+	423	54.8	7.3	30.8
8-9 AM	4979	0.0	1500	1500	3479	16.85+	423	56.8	7.3	30.8
9-10 AM	4968	0.0	1500	1500	3468	16.85+	423	56.9	7.3	30.8
10-11 AM	5244	0.0	1500	1500	3744	16.76+	423	55.0	7.3	30.8
11AM-NOON	5684	0.0	1500	1500	4184	16.62+	423	52.0	7.3	30.8
NOON-1PM	5974	0.0	1500	1500	4474	16.51+	423	50.1	7.3	30.8
1-2 PM	6416	0.0	1500	1500	4916	16.33+	423	47.0	7.3	30.8
2-3 PM	5976	0.0	1500	1500	4476	16.51+	423	50.1	7.3	30.8
3-4 PM	5182	0.0	1500	1500	3682	16.78+	423	55.5	7.3	30.8
4-5 PM	4620	0.0	1500	1500	3120	16.95+	423	59.3	7.3	30.8
5-6 PM	4335	0.0	1500	1500	2835	17.02+	423	61.2	7.3	30.8
6-7 PM	4066	0.0	1500	1500	2566	17.09+	423	63.1	7.3	30.8
7-8 PM	3414	0.0	1500	1503	1910	17.19+	423	66.5	7.3	30.8
8-9 PM	2701	0.0	1500	1508	1193	16.98+	416	67.4	7.3	30.8
9-10 PM	2242	0.0	1500	1501	741	16.92+	414	67.9	7.3	30.8
10-11 PM	1931	0.0	1500	1501	431	16.91+	414	68.3	7.3	30.8
11PM-MID	1710	0.0	1500	1500	209	16.91+	414	68.6	7.3	30.8

+ 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	0.0304
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0452

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$365,393
CONGESTED HOURS PER DAY*	24

*Delays Exceeding User-Specified Maximum

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