

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

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	544	0.0	3000	544	0	0.36	0	70.0	57.4	49.7	
1-2 AM	758	0.0	3000	758	0	0.35	0	69.8	57.3	49.7	
2-3 AM	1792	0.0	3000	1792	0	0.34	0	68.5	56.9	49.7	
3-4 AM	3175	0.0	2999	3175	0	1.36	50	66.8	37.2	37.6	
4-5 AM	3603	0.0	3000	3603	0	8.69	467	66.3	13.4	37.3	
5-6 AM	4271	0.0	2999	3143	1128	17.30+	927	61.7	9.9	37.3	
6-7 AM	5051	0.0	2999	3000	2052	17.71+	968	56.3	9.7	37.3	
7-8 AM	5052	0.0	3000	3000	2052	17.71+	968	56.3	9.7	37.3	
8-9 AM	4578	0.0	3000	3001	1577	17.71+	957	59.6	9.7	37.3	
9-10 AM	4158	0.0	3000	2960	1198	17.12+	915	62.5	9.9	37.3	
10-11 AM	4298	0.0	2999	3032	1266	17.21+	923	61.5	9.9	37.3	
11AM-NOON	4908	0.0	2999	3000	1908	17.77+	968	57.3	9.7	37.3	
NOON-1PM	4787	0.0	3000	3011	1775	17.79+	966	58.1	9.7	37.3	
1-2 PM	4512	0.0	3000	3003	1509	17.66+	952	60.1	9.7	37.3	
2-3 PM	4772	0.0	2999	3000	1772	17.83+	968	58.2	9.7	37.3	
3-4 PM	4466	0.0	3000	2976	1490	17.64+	950	60.4	9.7	37.3	
4-5 PM	3613	0.0	3000	2985	628	17.01+	899	66.2	9.9	37.3	
5-6 PM	3228	0.0	2999	2987	241	16.96+	895	66.7	10.0	37.3	
6-7 PM	2606	0.0	2999	2606	0	14.09+	742	67.5	10.7	37.3	
7-8 PM	2004	0.0	2999	2004	0	1.56	149	68.2	36.0	47.6	
8-9 PM	1507	0.0	3000	1507	0	0.34	0	68.9	57.1	49.7	
9-10 PM	1109	0.0	3000	1109	0	0.35	0	69.4	57.2	49.7	
10-11 PM	879	0.0	3000	879	0	0.35	0	69.6	57.3	49.7	
11PM-MID	617	0.0	3000	617	0	0.36	0	70.0	57.4	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

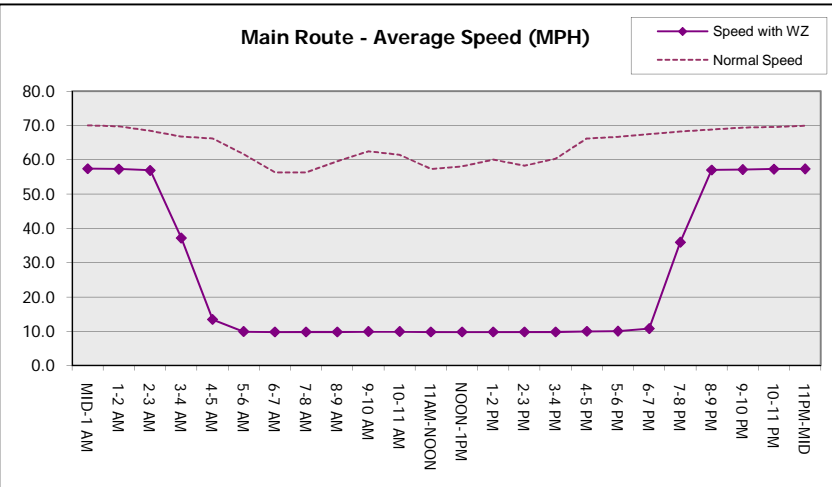
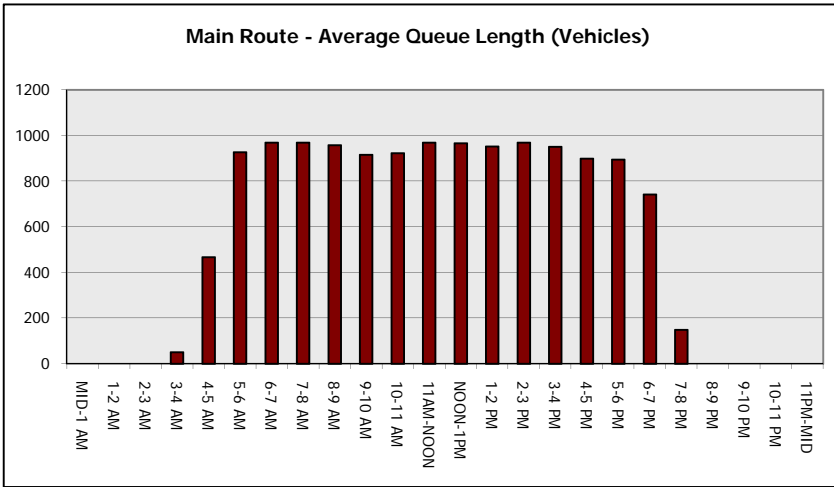
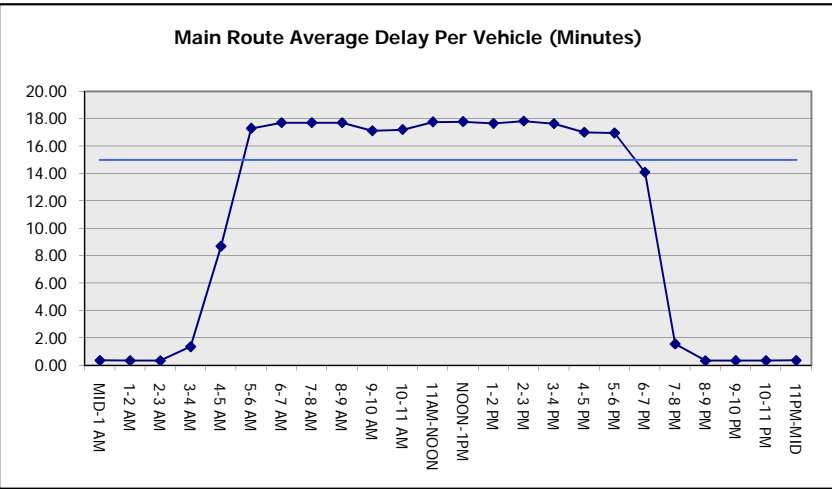
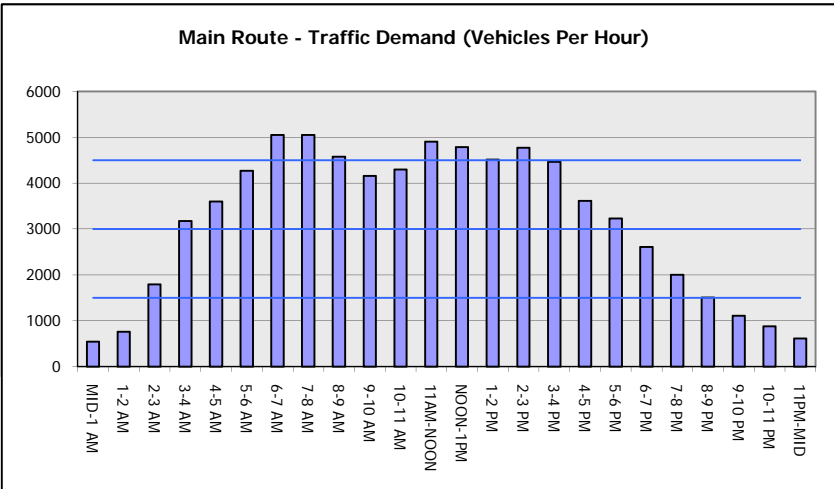
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0231
MAIN ROUTE WITH WORKS	0.0136
'DIVERSION'	0.0130
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$234,774
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	1323	0.0	3000	1323	0	0.35	0	69.1	57.1	49.7
1-2 AM	1684	0.0	3000	1684	0	0.34	0	68.6	57.0	49.7
2-3 AM	2767	0.0	2999	2767	0	0.61	3	67.3	49.5	42.0
3-4 AM	3781	0.0	3000	3781	0	5.88	351	65.0	17.0	37.3
4-5 AM	4476	0.0	2999	3170	1306	17.51+	944	60.3	9.8	37.3
5-6 AM	4827	0.0	2999	3000	1827	17.81+	968	57.9	9.7	37.3
6-7 AM	5189	0.0	3000	3000	2189	17.65+	968	55.4	9.7	37.3
7-8 AM	5230	0.0	3000	3000	2230	17.63+	968	55.1	9.7	37.3
8-9 AM	4718	0.0	3000	3001	1717	17.85+	967	58.6	9.7	37.3
9-10 AM	4486	0.0	3000	2982	1504	17.66+	952	60.2	9.7	37.3
10-11 AM	4704	0.0	3000	3018	1687	17.81+	965	58.7	9.7	37.3
11AM-NOON	5179	0.0	3000	3000	2179	17.65+	968	55.5	9.7	37.3
NOON-1PM	5650	0.0	3000	3000	2651	17.42+	968	52.2	9.7	37.3
1-2 PM	5883	0.0	3000	3000	2883	17.30+	968	50.7	9.7	37.3
2-3 PM	5845	0.0	3000	3000	2845	17.32+	968	50.9	9.7	37.3
3-4 PM	5066	0.0	3000	3000	2066	17.70+	968	56.3	9.7	37.3
4-5 PM	4678	0.0	3000	2994	1683	17.83+	965	58.9	9.7	37.3
5-6 PM	4286	0.0	3000	2947	1340	17.37+	932	61.5	9.8	37.3
6-7 PM	3531	0.0	3000	2995	536	17.00+	898	66.3	9.9	37.3
7-8 PM	2852	0.0	2999	2833	19	16.14+	850	67.2	10.2	37.3
8-9 PM	2354	0.0	2999	2354	0	7.75	436	67.8	14.4	40.4
9-10 PM	2126	0.0	3000	2126	0	0.40	5	68.1	55.0	49.7
10-11 PM	1686	0.0	3000	1686	0	0.34	0	68.6	57.0	49.7
11PM-MID	1450	0.0	3000	1450	0	0.34	0	68.9	57.1	49.7

+ 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	0.0284
MAIN ROUTE WITH WORKS	0.0154
'DIVERSION'	0.0201

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$298,957
CONGESTED HOURS PER DAY*	16

*Delays Exceeding User-Specified Maximum

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