

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	3000	431	0	0.36	0	70.2	57.4	49.7
1-2 AM	369	0.0	3000	369	0	0.36	0	70.2	57.4	49.7
2-3 AM	569	0.0	3000	569	0	0.36	0	70.0	57.4	49.7
3-4 AM	799	0.0	3000	799	0	0.35	0	69.7	57.3	49.7
4-5 AM	1121	0.0	3000	1121	0	0.35	0	69.4	57.2	49.7
5-6 AM	1597	0.0	3000	1597	0	0.34	0	68.7	57.0	49.7
6-7 AM	2426	0.0	2999	2426	0	0.40	0	67.7	54.6	46.9
7-8 AM	3155	0.0	2999	3155	0	1.29	42	66.8	38.0	37.4
8-9 AM	3885	0.0	3000	3882	3	10.30+	580	64.3	12.5	37.3
9-10 AM	4116	0.0	2999	2859	1257	17.37+	928	62.7	9.9	37.3
10-11 AM	4143	0.0	2999	3002	1141	17.01+	908	62.5	9.9	37.3
11AM-NOON	4272	0.0	3000	3016	1256	17.20+	921	61.7	9.9	37.3
NOON-1PM	4403	0.0	3000	3010	1393	17.44+	938	60.8	9.8	37.3
1-2 PM	4151	0.0	3000	2969	1181	17.10+	914	62.5	9.9	37.3
2-3 PM	3923	0.0	3000	2998	926	16.97+	902	64.0	9.9	37.3
3-4 PM	3635	0.0	3000	2997	637	17.01+	899	66.0	9.9	37.3
4-5 PM	3309	0.0	3000	2997	311	16.97+	896	66.6	10.0	37.3
5-6 PM	2702	0.0	2999	2702	0	14.92+	785	67.4	10.5	37.3
6-7 PM	2180	0.0	2999	2180	0	2.81	250	68.0	27.3	44.8
7-8 PM	1601	0.0	3000	1601	0	0.34	0	68.7	57.0	49.7
8-9 PM	1077	0.0	3000	1077	0	0.35	0	69.4	57.2	49.7
9-10 PM	710	0.0	3000	710	0	0.36	0	69.9	57.4	49.7
10-11 PM	515	0.0	3000	515	0	0.36	0	70.1	57.4	49.7
11PM-MID	380	0.0	3000	380	0	0.36	0	70.2	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

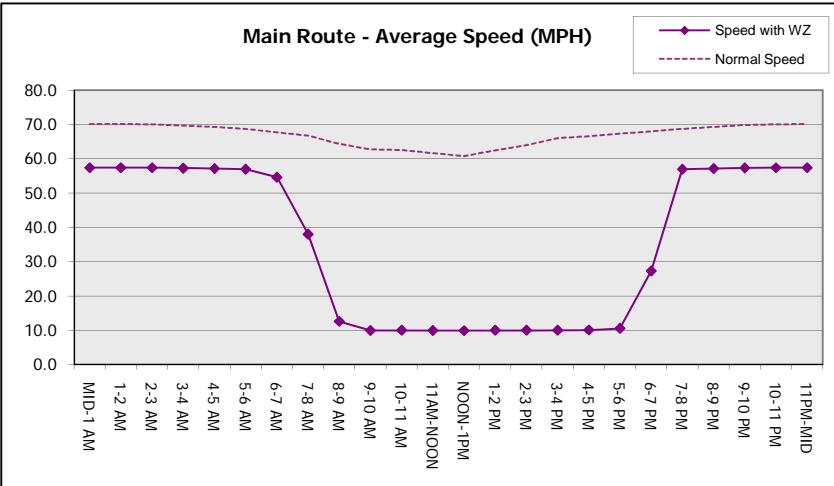
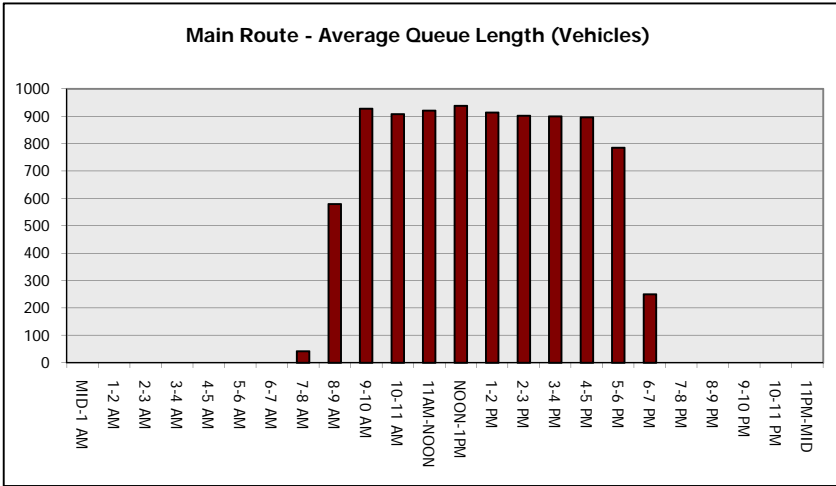
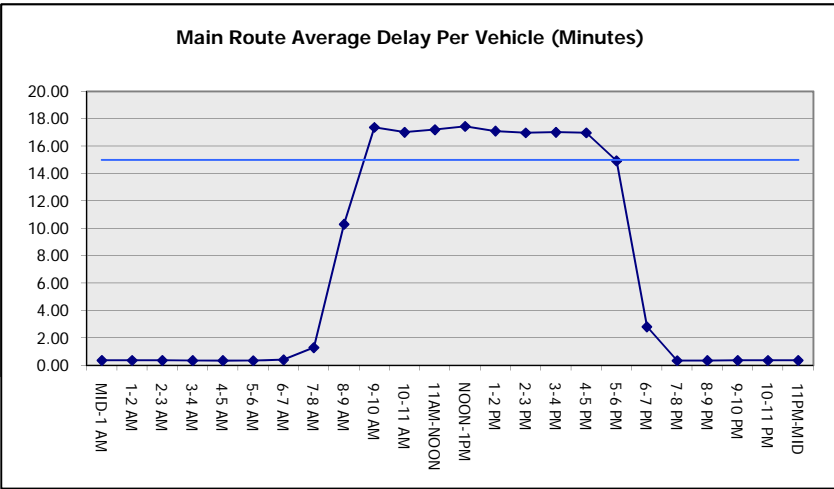
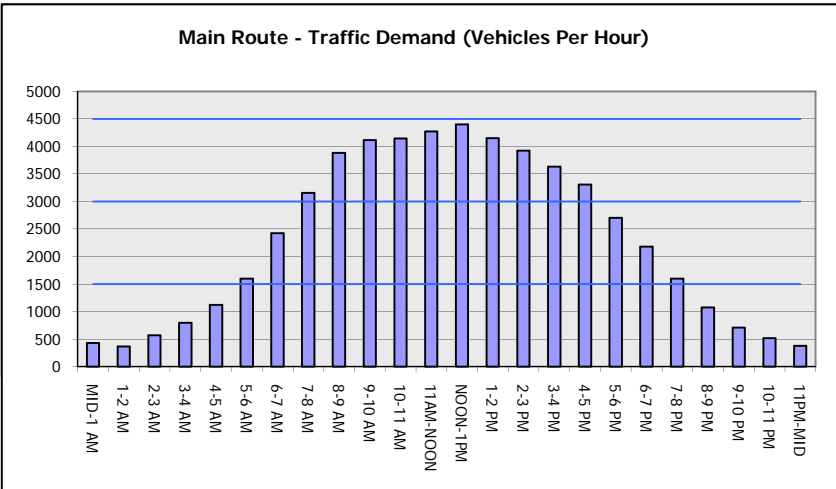
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0168
MAIN ROUTE WITH WORKS	0.0112
'DIVERSION'	0.0057
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$181,098
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

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CONTINUOUS (24 HOUR) CLOSURE  
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**MAY**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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

**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	3000	1407	0	0.34	0	69.0	57.1	49.7
1-2 AM	1277	0.0	3000	1277	0	0.35	0	69.1	57.1	49.7
2-3 AM	1381	0.0	3000	1381	0	0.34	0	69.0	57.1	49.7
3-4 AM	1474	0.0	3000	1474	0	0.34	0	68.9	57.1	49.7
4-5 AM	1715	0.0	3000	1715	0	0.34	0	68.6	56.9	49.7
5-6 AM	2074	0.0	3000	2074	0	0.33	0	68.2	56.8	49.7
6-7 AM	2671	0.0	2999	2671	0	0.51	0	67.4	51.8	43.2
7-8 AM	3189	0.0	2999	3189	0	1.65	62	66.8	34.0	37.3
8-9 AM	3700	0.0	3000	3700	0	9.35+	511	65.6	13.0	37.3
9-10 AM	4063	0.0	2999	3019	1045	16.96+	904	63.1	9.9	37.3
10-11 AM	4210	0.0	3000	3015	1196	17.09+	914	62.1	9.9	37.3
11AM-NOON	4430	0.0	3000	3029	1400	17.45+	939	60.6	9.8	37.3
NOON-1PM	4745	0.0	2999	3005	1740	17.83+	967	58.4	9.7	37.3
1-2 PM	4763	0.0	3000	3000	1763	17.83+	968	58.3	9.7	37.3
2-3 PM	4431	0.0	3000	2974	1457	17.57+	946	60.6	9.8	37.3
3-4 PM	3989	0.0	3000	2976	1013	17.01+	906	63.6	9.9	37.3
4-5 PM	3650	0.0	3000	2996	654	17.00+	899	65.9	9.9	37.3
5-6 PM	3164	0.0	3000	2993	171	16.95+	894	66.8	10.0	37.3
6-7 PM	2715	0.0	2999	2715	0	14.83+	780	67.4	10.5	37.3
7-8 PM	2315	0.0	2999	2315	0	4.07	297	67.9	21.8	43.0
8-9 PM	1900	0.0	3000	1900	0	0.34	0	68.4	56.9	49.7
9-10 PM	1602	0.0	3000	1602	0	0.34	0	68.7	57.0	49.7
10-11 PM	1368	0.0	3000	1368	0	0.34	0	69.1	57.1	49.7
11PM-MID	1151	0.0	3000	1151	0	0.35	0	69.3	57.2	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	0.0204
MAIN ROUTE WITH WORKS	0.0135
'DIVERSION'	0.0073

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$210,053
CONGESTED HOURS PER DAY*	11

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**SUNDAY NORTHBOUND DIRECTION**

