

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>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	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	2999	4042	74	9.11+	537	62.7	13.4	37.3	
10-11 AM	4143	0.0	2999	2869	1274	17.36+	928	62.5	9.9	37.3	
11AM-NOON	4272	0.0	3000	3017	1255	17.19+	921	61.7	9.9	37.3	
NOON-1PM	4403	0.0	2999	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	OFF	1601	0	0.00	0	68.7	68.7	68.7	
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

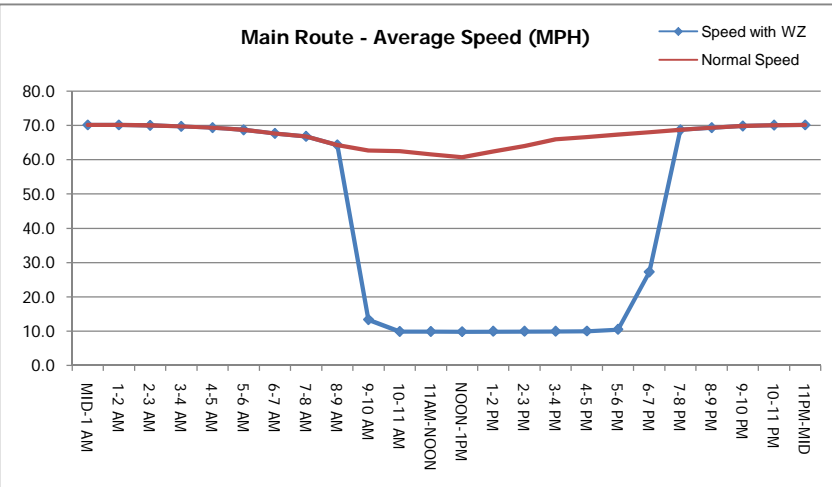
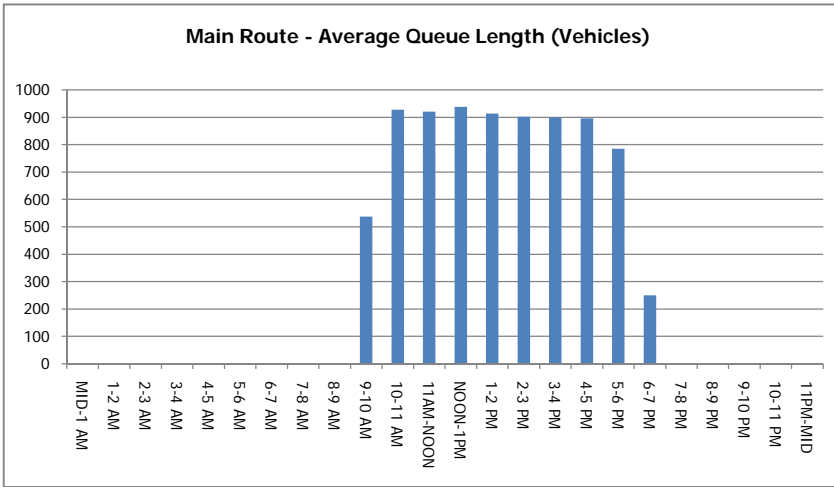
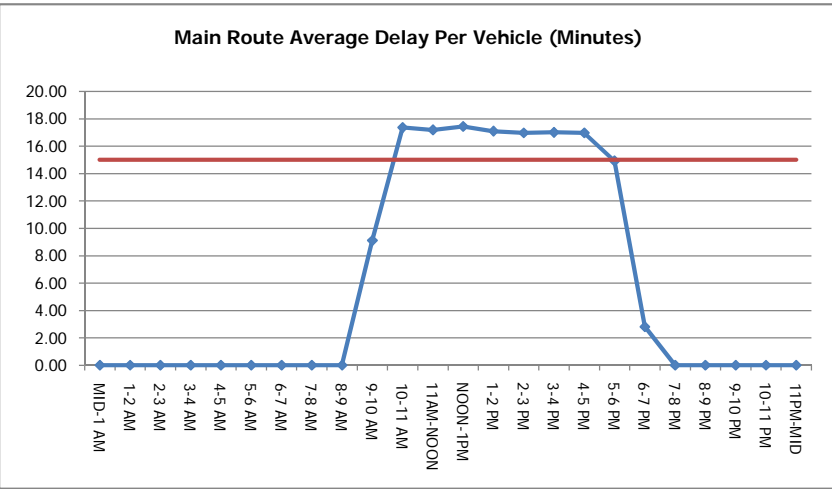
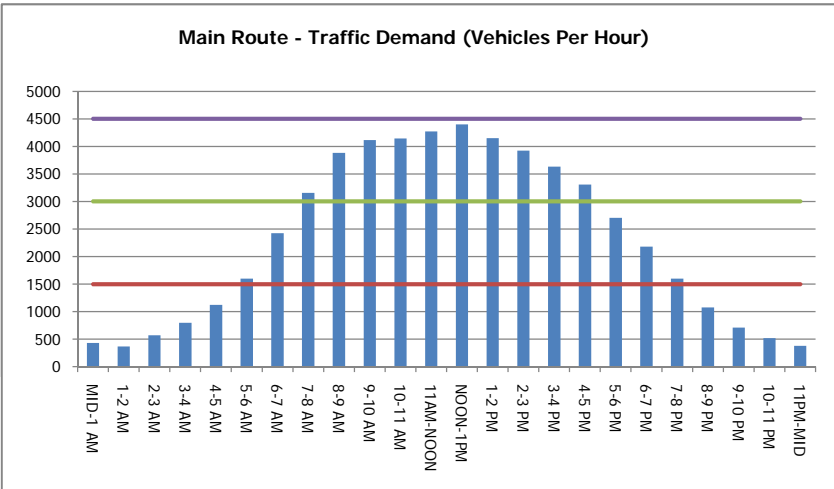
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0168
MAIN ROUTE WITH WORKS	0.0127
'DIVERSION'	0.0049
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$158,808
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

**USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)  
OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**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>OFF-PEAK DAY 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	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	2999	4063	0	8.65+	515	63.1	13.7	37.3
10-11 AM	4210	0.0	2999	2859	1352	17.47+	936	62.1	9.8	37.3
11AM-NOON	4430	0.0	2999	3030	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	OFF	2315	0	0.53	50	67.9	51.7	51.7
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	0.0155
'DIVERSION'	0.0067

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$186,173
CONGESTED HOURS PER DAY*	10

\*Delays Exceeding User-Specified Maximum

**USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)  
OFF-PEAK DAY CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**MAY**  
Analyzed for 2009  
Construction Season

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

