

<b>USH 45: CTH E TO STH 190 (MILWAUKEE COUNTY)</b> <b>NIGHTTIME 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	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	OFF	4116	0	3.16	292	62.7	22.9	22.9	
10-11 AM	4143	0.0	OFF	4143	0	0.00	0	62.5	62.5	62.5	
11AM-NOON	4272	0.0	OFF	4272	0	0.00	0	61.7	61.7	61.7	
NOON-1PM	4403	0.0	OFF	4403	0	0.00	0	60.8	60.8	60.8	
1-2 PM	4151	0.0	OFF	4151	0	0.00	0	62.5	62.5	62.5	
2-3 PM	3923	0.0	OFF	3923	0	0.00	0	64.0	64.0	64.0	
3-4 PM	3635	0.0	OFF	3635	0	0.00	0	66.0	66.0	66.0	
4-5 PM	3309	0.0	OFF	3309	0	0.00	0	66.6	66.6	66.6	
5-6 PM	2702	0.0	OFF	2702	0	0.00	0	67.4	67.4	67.4	
6-7 PM	2180	0.0	OFF	2180	0	0.00	0	68.0	68.0	68.0	
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	

"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

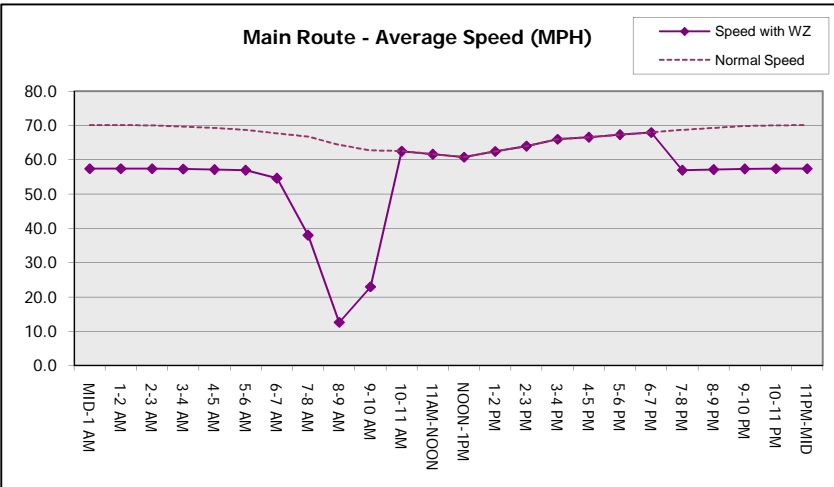
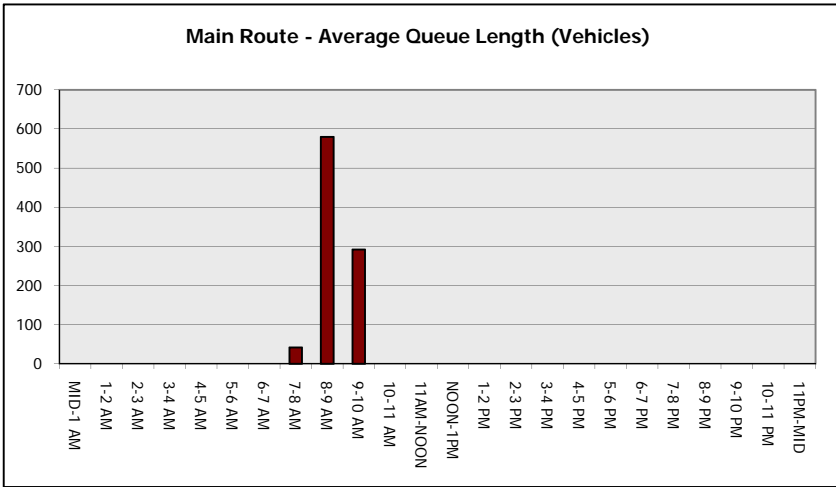
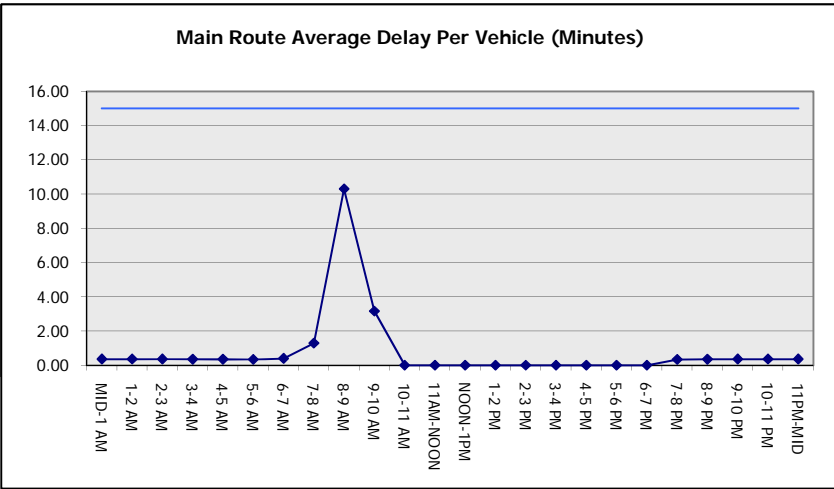
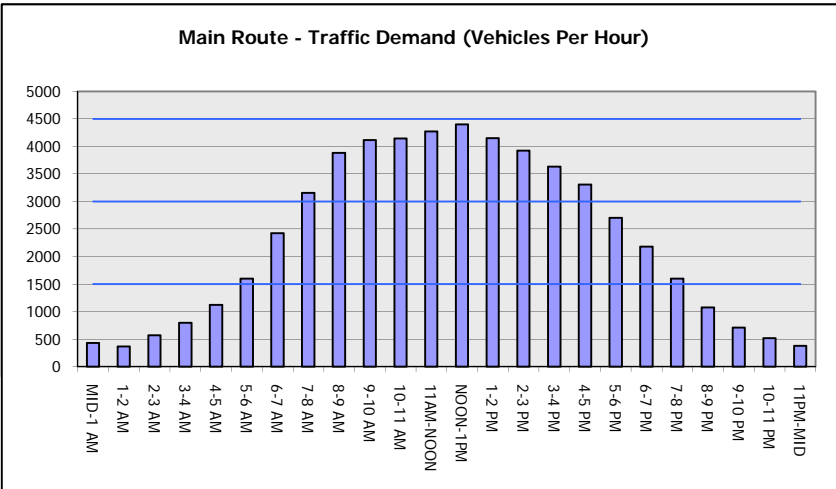
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0168
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$9,527
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**NIGHTTIME 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>NIGHTTIME 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	OFF	4063	0	2.23	203	63.1	28.3	28.3
10-11 AM	4210	0.0	OFF	4210	0	0.00	0	62.1	62.1	62.1
11AM-NOON	4430	0.0	OFF	4430	0	0.00	0	60.6	60.6	60.6
NOON-1PM	4745	0.0	OFF	4745	0	0.00	0	58.4	58.4	58.4
1-2 PM	4763	0.0	OFF	4763	0	0.00	0	58.3	58.3	58.3
2-3 PM	4431	0.0	OFF	4431	0	0.00	0	60.6	60.6	60.6
3-4 PM	3989	0.0	OFF	3989	0	0.00	0	63.6	63.6	63.6
4-5 PM	3650	0.0	OFF	3650	0	0.00	0	65.9	65.9	65.9
5-6 PM	3164	0.0	OFF	3164	0	0.00	0	66.8	66.8	66.8
6-7 PM	2715	0.0	OFF	2715	0	0.00	0	67.4	67.4	67.4
7-8 PM	2315	0.0	3000	2315	0	0.33	0	67.9	56.8	49.7
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

"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	0.0186
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,749
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding User-Specified Maximum

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**MAY**  
 Analyzed for 2009  
 Construction Season

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

