

<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>AUGUST</b>
	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	632	0.0	OFF	632	0	0.00	0	69.9	69.9	69.9	
1-2 AM	447	0.0	OFF	447	0	0.00	0	70.2	70.2	70.2	
2-3 AM	396	0.0	OFF	396	0	0.00	0	70.2	70.2	70.2	
3-4 AM	471	0.0	OFF	471	0	0.00	0	70.2	70.2	70.2	
4-5 AM	850	0.0	OFF	850	0	0.00	0	69.7	69.7	69.7	
5-6 AM	2448	0.0	OFF	2448	0	0.00	0	67.7	67.7	67.7	
6-7 AM	5083	0.0	OFF	5083	0	0.00	0	56.1	56.1	56.1	
7-8 AM	6048	0.0	OFF	6048	0	0.00	0	49.6	49.6	49.6	
8-9 AM	5419	0.0	OFF	5419	0	0.00	0	53.8	53.8	53.8	
9-10 AM	4639	0.0	OFF	4639	0	0.00	0	59.2	59.2	59.2	
10-11 AM	4359	0.0	2999	3932	426	10.64+	619	61.1	12.4	37.3	
11AM-NOON	4677	0.0	3000	3030	1647	17.79+	963	58.9	9.7	37.3	
NOON-1PM	4560	0.0	3000	2997	1564	17.77+	959	59.7	9.7	37.3	
1-2 PM	4633	0.0	3000	3001	1633	17.80+	963	59.2	9.7	37.3	
2-3 PM	5162	0.0	3000	3000	2162	17.66+	968	55.6	9.7	37.3	
3-4 PM	4490	0.0	OFF	4490	0	3.28	304	60.2	22.0	22.0	
4-5 PM	4178	0.0	OFF	4178	0	0.00	0	62.3	62.3	62.3	
5-6 PM	4013	0.0	OFF	4013	0	0.00	0	63.5	63.5	63.5	
6-7 PM	4247	0.0	OFF	4247	0	0.00	0	61.9	61.9	61.9	
7-8 PM	3071	0.0	OFF	3071	0	0.00	0	66.9	66.9	66.9	
8-9 PM	2556	0.0	OFF	2556	0	0.00	0	67.6	67.6	67.6	
9-10 PM	2119	0.0	OFF	2119	0	0.00	0	68.1	68.1	68.1	
10-11 PM	1649	0.0	OFF	1649	0	0.00	0	68.7	68.7	68.7	
11PM-MID	1281	0.0	OFF	1281	0	0.00	0	69.1	69.1	69.1	

"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	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

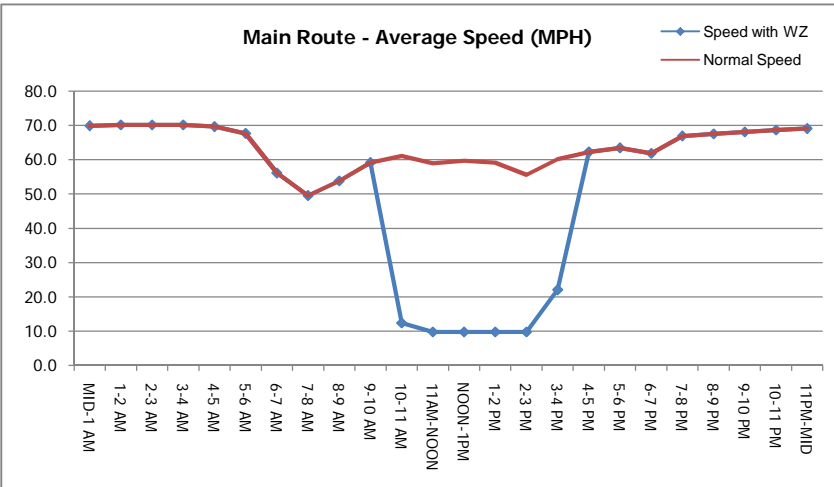
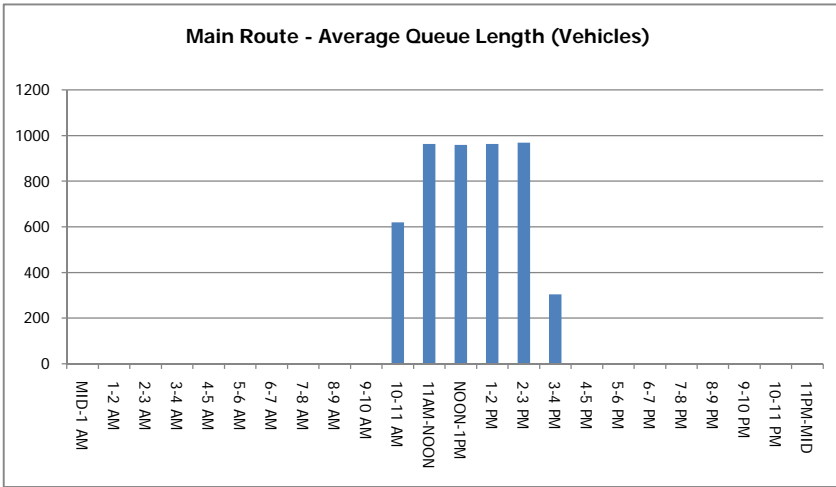
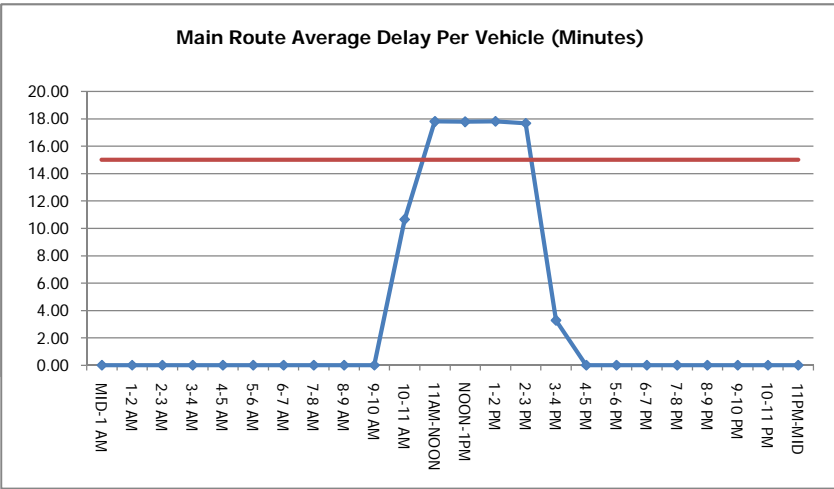
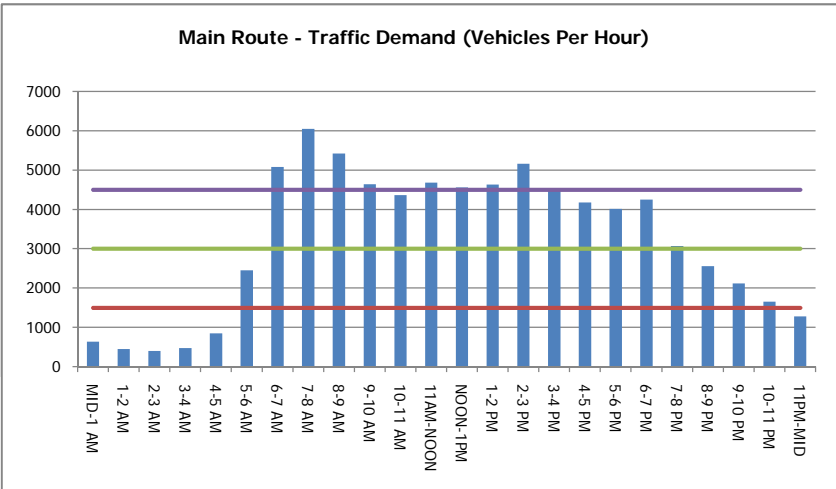
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0201
'DIVERSION'	0.0052
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$70,610
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR 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>AUGUST</b>
	Analyzed for 2009 Construction Season

**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	970	0.0	OFF	970	0	0.00	0	69.6	69.6	69.6
1-2 AM	678	0.0	OFF	678	0	0.00	0	69.9	69.9	69.9
2-3 AM	650	0.0	OFF	650	0	0.00	0	69.9	69.9	69.9
3-4 AM	695	0.0	OFF	695	0	0.00	0	69.9	69.9	69.9
4-5 AM	1287	0.0	OFF	1287	0	0.00	0	69.1	69.1	69.1
5-6 AM	3250	0.0	OFF	3250	0	0.00	0	66.7	66.7	66.7
6-7 AM	5363	0.0	OFF	5363	0	0.00	0	54.2	54.2	54.2
7-8 AM	6317	0.0	OFF	6317	0	0.00	0	47.7	47.7	47.7
8-9 AM	5294	0.0	OFF	5294	0	0.00	0	54.7	54.7	54.7
9-10 AM	4205	0.0	OFF	4205	0	0.00	0	62.1	62.1	62.1
10-11 AM	4121	0.0	2999	4036	85	9.15+	539	62.7	13.3	37.3
11AM-NOON	4431	0.0	2999	2913	1518	17.60+	947	60.6	9.8	37.3
NOON-1PM	4460	0.0	3000	3007	1453	17.55+	945	60.4	9.8	37.3
1-2 PM	4986	0.0	2999	3000	1986	17.74+	968	56.8	9.7	37.3
2-3 PM	5617	0.0	3000	3000	2618	17.44+	968	52.5	9.7	37.3
3-4 PM	5573	0.0	OFF	5573	0	7.55	742	52.8	11.7	11.7
4-5 PM	6389	0.0	OFF	6389	0	7.10	723	47.2	12.0	12.0
5-6 PM	6265	0.0	OFF	6265	0	10.41	1049	48.1	8.9	8.9
6-7 PM	4587	0.0	OFF	4587	0	5.25	494	59.5	15.9	15.9
7-8 PM	3388	0.0	OFF	3388	0	0.00	0	66.5	66.5	66.5
8-9 PM	3005	0.0	OFF	3005	0	0.00	0	67.0	67.0	67.0
9-10 PM	3062	0.0	OFF	3062	0	0.00	0	66.9	66.9	66.9
10-11 PM	2793	0.0	OFF	2793	0	0.00	0	67.3	67.3	67.3
11PM-MID	1653	0.0	OFF	1653	0	0.00	0	68.7	68.7	68.7

"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	0.0269
MAIN ROUTE WITH WORKS	0.0236
'DIVERSION'	0.0054

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$98,599
CONGESTED HOURS PER DAY*	5

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
Analyzed for 2009  
Construction Season

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

