

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY      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	481	0.0	3000	481	0	0.36	0	70.1	57.4	49.7
1-2 AM	323	0.0	3000	323	0	0.36	0	70.2	57.4	49.7
2-3 AM	301	0.0	3000	301	0	0.36	0	70.2	57.4	49.7
3-4 AM	336	0.0	3000	336	0	0.36	0	70.2	57.4	49.7
4-5 AM	811	0.0	3000	811	0	0.35	0	69.7	57.3	49.7
5-6 AM	2261	0.0	OFF	2261	0	0.00	0	67.9	67.9	67.9
6-7 AM	4712	0.0	OFF	4712	0	0.00	0	58.7	58.7	58.7
7-8 AM	5759	0.0	OFF	5759	0	0.00	0	51.5	51.5	51.5
8-9 AM	5305	0.0	OFF	5305	0	0.00	0	54.6	54.6	54.6
9-10 AM	4646	0.0	OFF	4646	0	0.00	0	59.1	59.1	59.1
10-11 AM	4682	0.0	OFF	4682	0	0.00	0	58.9	58.9	58.9
11AM-NOON	4872	0.0	OFF	4872	0	0.00	0	57.6	57.6	57.6
NOON-1PM	4959	0.0	OFF	4959	0	0.00	0	57.0	57.0	57.0
1-2 PM	4992	0.0	OFF	4992	0	0.00	0	56.8	56.8	56.8
2-3 PM	5327	0.0	OFF	5327	0	0.00	0	54.5	54.5	54.5
3-4 PM	4381	0.0	OFF	4381	0	0.00	0	60.9	60.9	60.9
4-5 PM	3599	0.0	OFF	3599	0	0.00	0	66.3	66.3	66.3
5-6 PM	3907	0.0	OFF	3907	0	0.00	0	64.1	64.1	64.1
6-7 PM	4416	0.0	OFF	4416	0	0.00	0	60.7	60.7	60.7
7-8 PM	3407	0.0	2999	3407	0	5.03	259	66.5	17.9	37.3
8-9 PM	2617	0.0	2999	2617	0	4.65	249	67.5	19.0	39.6
9-10 PM	2319	0.0	3000	2319	0	0.34	0	67.9	56.4	49.5
10-11 PM	1974	0.0	3000	1974	0	0.34	0	68.3	56.9	49.7
11PM-MID	1585	0.0	3000	1585	0	0.34	0	68.7	57.0	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

*----- 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

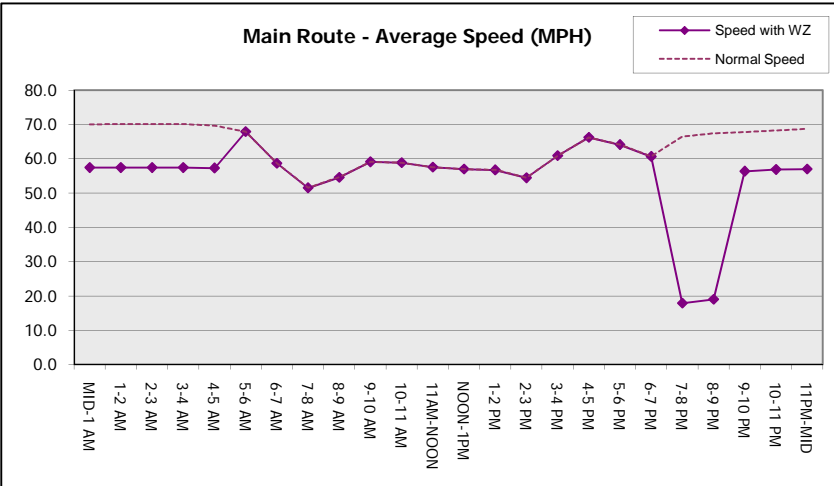
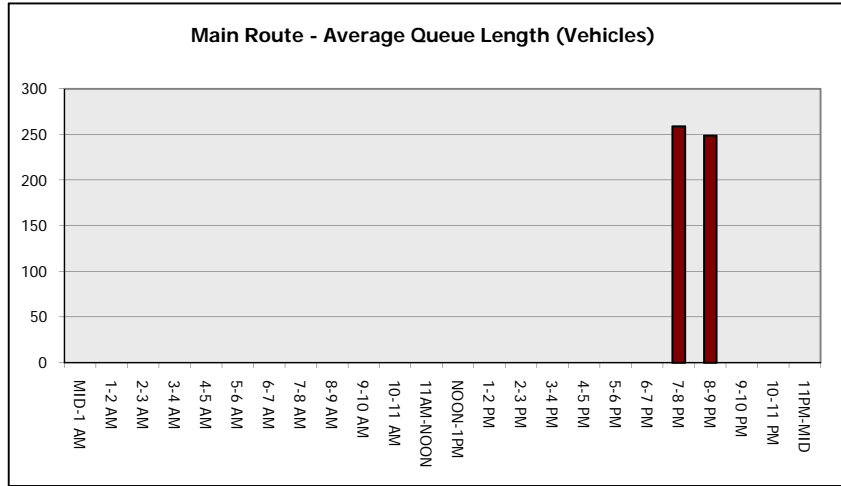
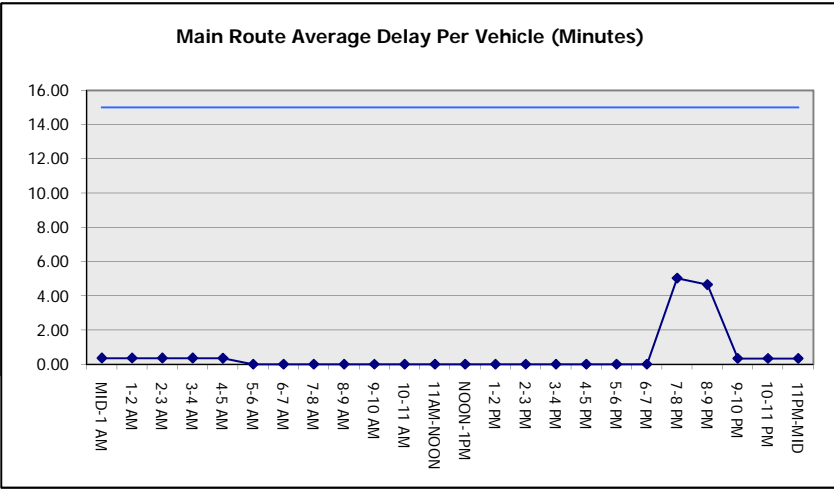
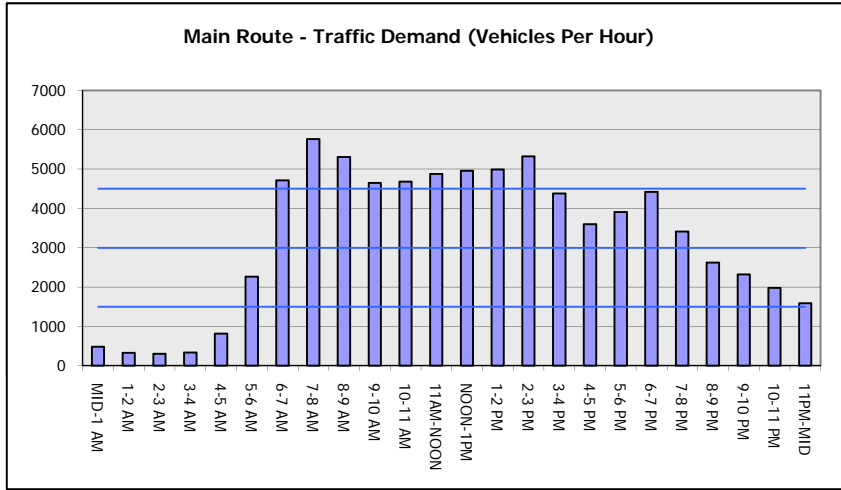
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0236
MAIN ROUTE WITH WORKS	0.0227
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$8,063
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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

**AUGUST**  
Analyzed for 2009  
Construction Season

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

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY 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	770	0.0	3000	770	0	0.35	0	69.8	57.3	49.7
1-2 AM	553	0.0	3000	553	0	0.36	0	70.0	57.4	49.7
2-3 AM	490	0.0	3000	490	0	0.36	0	70.1	57.4	49.7
3-4 AM	474	0.0	3000	474	0	0.36	0	70.2	57.4	49.7
4-5 AM	1260	0.0	3000	1260	0	0.35	0	69.2	57.1	49.7
5-6 AM	3126	0.0	OFF	3126	0	0.00	0	66.8	66.8	66.8
6-7 AM	5270	0.0	OFF	5270	0	0.00	0	54.8	54.8	54.8
7-8 AM	6215	0.0	OFF	6215	0	0.00	0	48.4	48.4	48.4
8-9 AM	5200	0.0	OFF	5200	0	0.00	0	55.3	55.3	55.3
9-10 AM	4376	0.0	OFF	4376	0	0.00	0	61.0	61.0	61.0
10-11 AM	4507	0.0	OFF	4507	0	0.00	0	60.1	60.1	60.1
11AM-NOON	4825	0.0	OFF	4825	0	0.00	0	57.9	57.9	57.9
NOON-1PM	4983	0.0	OFF	4983	0	0.00	0	56.8	56.8	56.8
1-2 PM	5294	0.0	OFF	5294	0	0.00	0	54.7	54.7	54.7
2-3 PM	5996	0.0	OFF	5996	0	0.00	0	49.9	49.9	49.9
3-4 PM	6235	0.0	OFF	6235	0	0.00	0	48.3	48.3	48.3
4-5 PM	6484	0.0	OFF	6484	0	0.00	0	46.6	46.6	46.6
5-6 PM	5735	0.0	OFF	5735	0	0.00	0	51.7	51.7	51.7
6-7 PM	4921	0.0	OFF	4921	0	0.00	0	57.3	57.3	57.3
7-8 PM	3586	0.0	2999	3586	0	6.46	349	66.3	15.6	37.3
8-9 PM	3120	0.0	2999	3120	0	12.72	662	66.9	11.1	37.3
9-10 PM	3091	0.0	3000	3091	0	14.49+	758	66.9	10.6	37.3
10-11 PM	2915	0.0	2999	2915	0	15.00+	786	67.1	10.4	37.3
11PM-MID	2095	0.0	2999	2095	0	3.94	343	68.1	23.0	43.8

"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	0.0277
MAIN ROUTE WITH WORKS	0.0265
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,402
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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