

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

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	OFF	481	0	0.00	0	70.1	70.1	70.1
1-2 AM	323	0.0	OFF	323	0	0.00	0	70.2	70.2	70.2
2-3 AM	301	0.0	OFF	301	0	0.00	0	70.2	70.2	70.2
3-4 AM	336	0.0	OFF	336	0	0.00	0	70.2	70.2	70.2
4-5 AM	811	0.0	OFF	811	0	0.00	0	69.7	69.7	69.7
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	2999	3949	733	11.78+	673	58.9	11.7	37.3
11AM-NOON	4872	0.0	2999	3000	1872	17.79+	968	57.6	9.7	37.3
NOON-1PM	4959	0.0	3000	3000	1959	17.75+	968	57.0	9.7	37.3
1-2 PM	4992	0.0	3000	3000	1992	17.74+	968	56.8	9.7	37.3
2-3 PM	5327	0.0	3000	3000	2327	17.58+	968	54.5	9.7	37.3
3-4 PM	4381	0.0	OFF	4381	0	3.00	278	60.9	23.4	23.4
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	OFF	3407	0	0.00	0	66.5	66.5	66.5
8-9 PM	2617	0.0	OFF	2617	0	0.00	0	67.5	67.5	67.5
9-10 PM	2319	0.0	OFF	2319	0	0.00	0	67.9	67.9	67.9
10-11 PM	1974	0.0	OFF	1974	0	0.00	0	68.3	68.3	68.3
11PM-MID	1585	0.0	OFF	1585	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

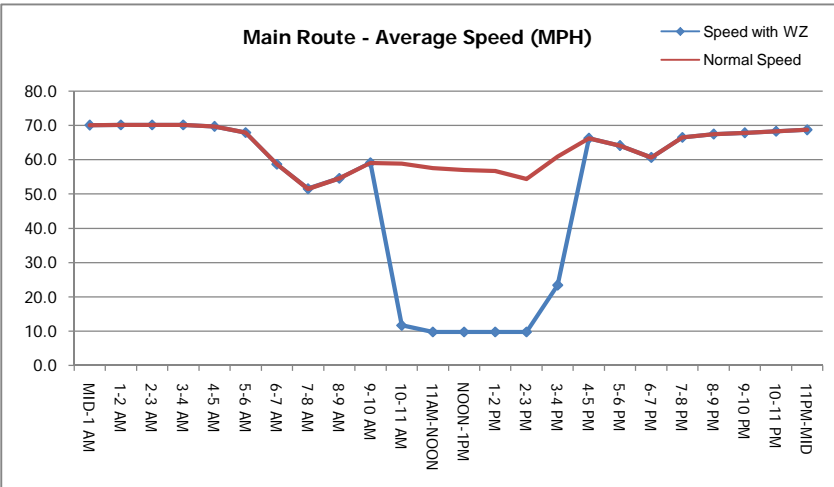
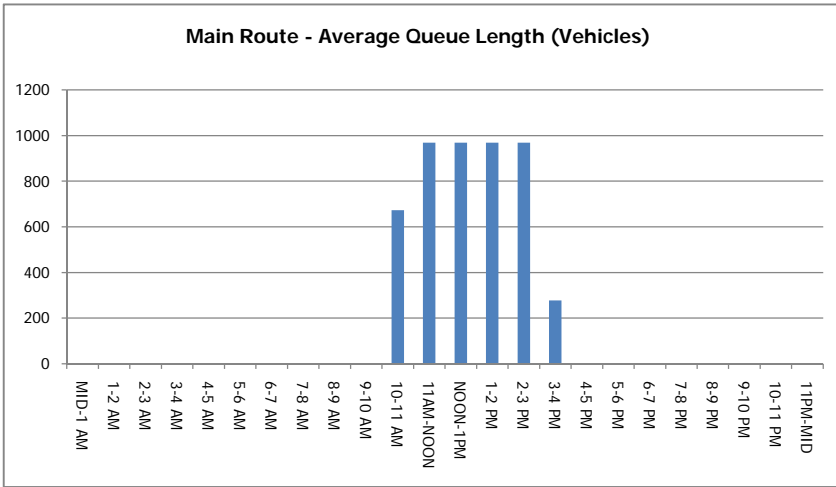
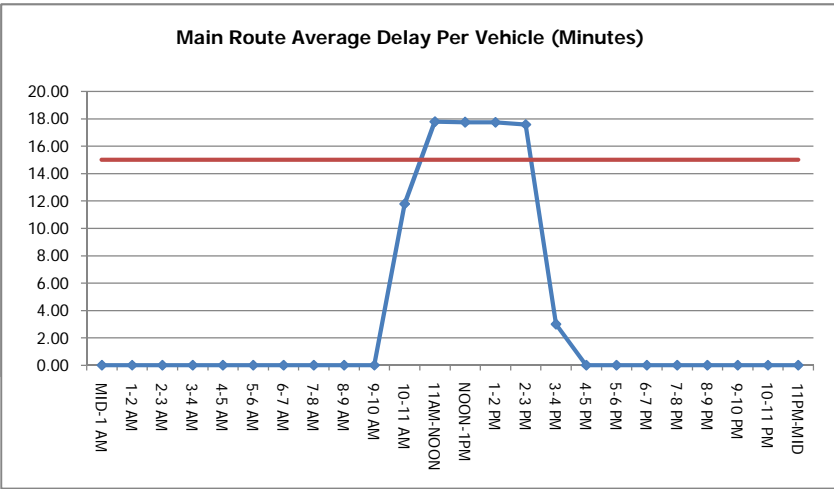
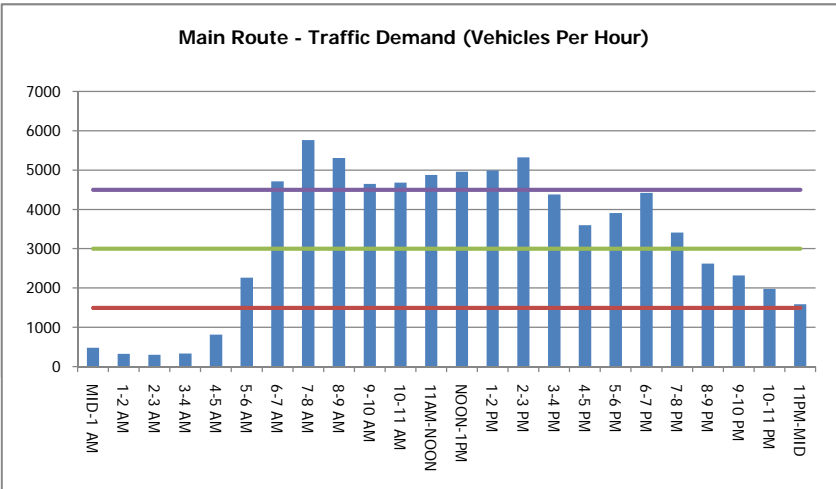
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0236
MAIN ROUTE WITH WORKS	0.0199
'DIVERSION'	0.0062
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$69,802
CONGESTED HOURS PER DAY*	5

*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
FRIDAY SOUTHBOUND DIRECTION



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

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	OFF	770	0	0.00	0	69.8	69.8	69.8
1-2 AM	553	0.0	OFF	553	0	0.00	0	70.0	70.0	70.0
2-3 AM	490	0.0	OFF	490	0	0.00	0	70.1	70.1	70.1
3-4 AM	474	0.0	OFF	474	0	0.00	0	70.2	70.2	70.2
4-5 AM	1260	0.0	OFF	1260	0	0.00	0	69.2	69.2	69.2
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	2999	3872	634	11.14+	647	60.1	12.0	37.3
11AM-NOON	4825	0.0	3000	3071	1754	17.62+	957	57.9	9.7	37.3
NOON-1PM	4983	0.0	3000	3000	1983	17.74+	968	56.8	9.7	37.3
1-2 PM	5294	0.0	3000	3000	2294	17.60+	968	54.7	9.7	37.3
2-3 PM	5996	0.0	3000	3000	2996	17.23+	968	49.9	9.7	37.3
3-4 PM	6235	0.0	OFF	6235	0	10.53	1060	48.3	8.8	8.8
4-5 PM	6484	0.0	OFF	6484	0	14.04	1420	46.6	6.9	6.9
5-6 PM	5735	0.0	OFF	5735	0	15.38	1529	51.7	6.5	6.5
6-7 PM	4921	0.0	OFF	4921	0	8.87	857	57.3	10.5	10.5
7-8 PM	3586	0.0	OFF	3586	0	0.27	20	66.3	57.4	57.4
8-9 PM	3120	0.0	OFF	3120	0	0.00	0	66.9	66.9	66.9
9-10 PM	3091	0.0	OFF	3091	0	0.00	0	66.9	66.9	66.9
10-11 PM	2915	0.0	OFF	2915	0	0.00	0	67.1	67.1	67.1
11PM-MID	2095	0.0	OFF	2095	0	0.00	0	68.1	68.1	68.1

"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	0.0277
MAIN ROUTE WITH WORKS	0.0237
'DIVERSION'	0.0068

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$116,493
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
FRIDAY NORTHBOUND DIRECTION

