

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	502	0.0	OFF	502	0	0.00	0	70.1	70.1	70.1	
1-2 AM	301	0.0	OFF	301	0	0.00	0	70.2	70.2	70.2	
2-3 AM	230	0.0	OFF	230	0	0.00	0	70.2	70.2	70.2	
3-4 AM	182	0.0	OFF	182	0	0.00	0	70.2	70.2	70.2	
4-5 AM	204	0.0	OFF	204	0	0.00	0	70.2	70.2	70.2	
5-6 AM	325	0.0	OFF	325	0	0.00	0	70.2	70.2	70.2	
6-7 AM	641	0.0	OFF	641	0	0.00	0	69.9	69.9	69.9	
7-8 AM	886	0.0	OFF	886	0	0.00	0	69.6	69.6	69.6	
8-9 AM	1307	0.0	OFF	1307	0	0.00	0	69.1	69.1	69.1	
9-10 AM	2009	0.0	2999	2009	0	0.33	0	68.2	58.6	49.7	
10-11 AM	2826	0.0	2999	2826	0	0.62	0	67.2	51.7	40.4	
11AM-NOON	3442	0.0	3000	3442	0	3.69	199	66.4	24.0	37.3	
NOON-1PM	3595	0.0	3000	3432	163	13.56+	721	66.3	11.5	37.3	
1-2 PM	3432	0.0	3000	3002	430	16.69+	880	66.4	10.5	37.3	
2-3 PM	3388	0.0	3000	3001	387	16.69+	880	66.5	10.6	37.3	
3-4 PM	3212	0.0	3000	3000	212	16.67+	879	66.8	10.6	37.3	
4-5 PM	3176	0.0	2999	3000	176	16.67+	878	66.8	10.6	37.3	
5-6 PM	2903	0.0	2999	2903	0	16.11+	847	67.1	10.7	37.3	
6-7 PM	2614	0.0	2999	2614	0	11.61+	607	67.5	12.3	37.3	
7-8 PM	2285	0.0	OFF	2285	0	0.23	21	67.9	61.1	61.1	
8-9 PM	1837	0.0	OFF	1837	0	0.00	0	68.4	68.4	68.4	
9-10 PM	1381	0.0	OFF	1381	0	0.00	0	69.0	69.0	69.0	
10-11 PM	981	0.0	OFF	981	0	0.00	0	69.5	69.5	69.5	
11PM-MID	605	0.0	OFF	605	0	0.00	0	70.0	70.0	70.0	

"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

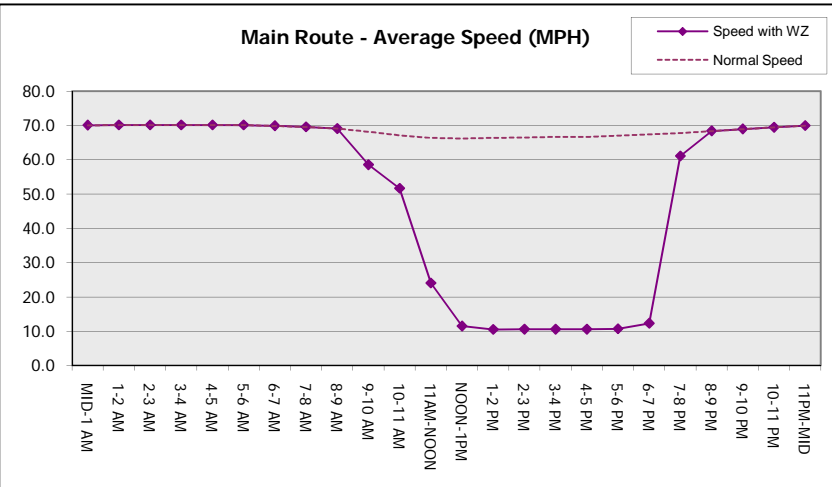
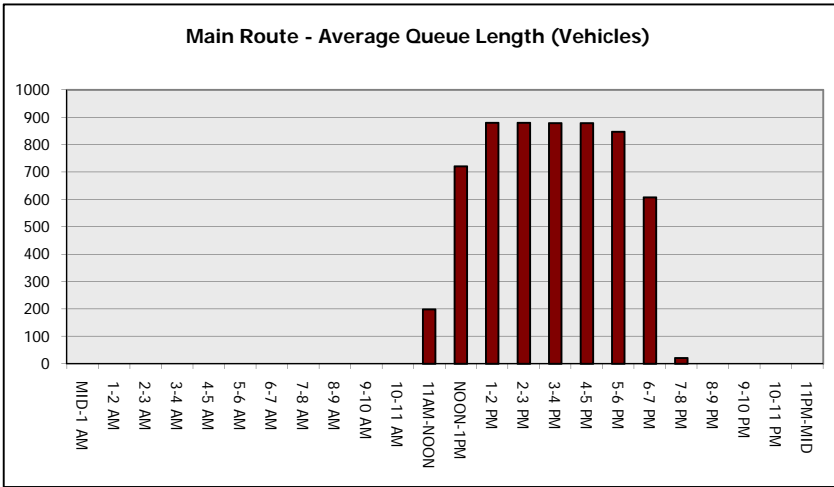
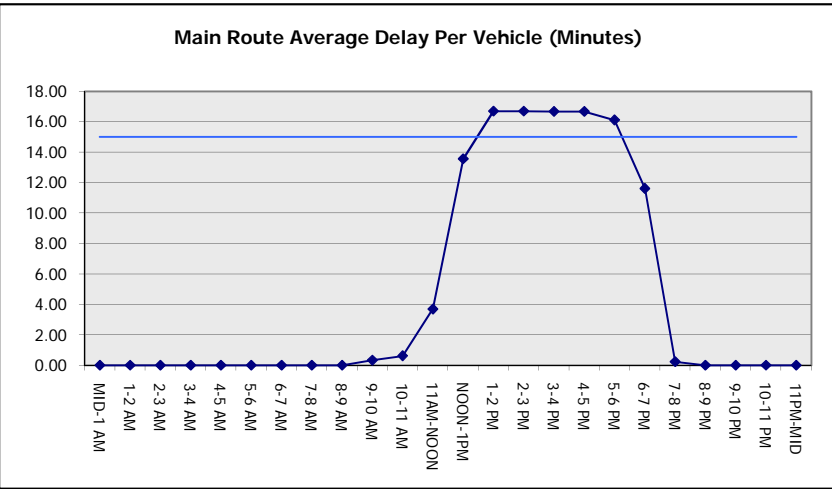
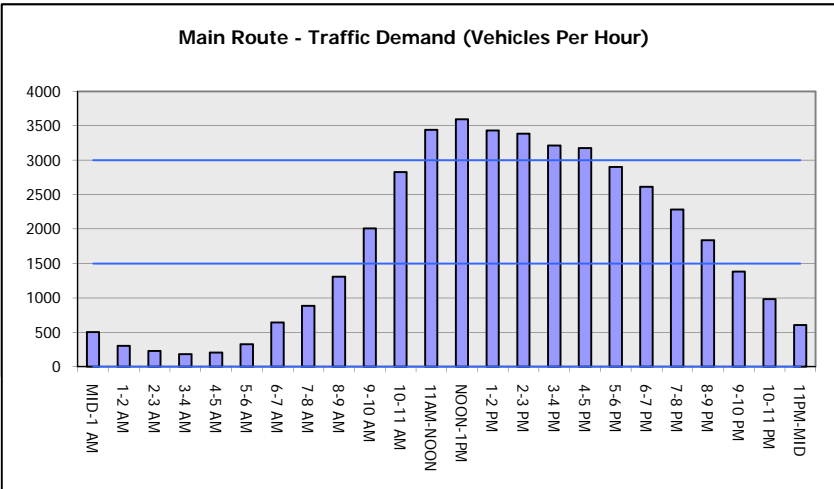
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0155
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0012
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$102,242
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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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	698	0.0	OFF	698	0	0.00	0	69.9	69.9	69.9
1-2 AM	433	0.0	OFF	433	0	0.00	0	70.2	70.2	70.2
2-3 AM	373	0.0	OFF	373	0	0.00	0	70.2	70.2	70.2
3-4 AM	226	0.0	OFF	226	0	0.00	0	70.2	70.2	70.2
4-5 AM	194	0.0	OFF	194	0	0.00	0	70.2	70.2	70.2
5-6 AM	316	0.0	OFF	316	0	0.00	0	70.2	70.2	70.2
6-7 AM	561	0.0	OFF	561	0	0.00	0	70.0	70.0	70.0
7-8 AM	836	0.0	OFF	836	0	0.00	0	69.7	69.7	69.7
8-9 AM	1241	0.0	OFF	1241	0	0.00	0	69.2	69.2	69.2
9-10 AM	1815	0.0	3000	1815	0	0.34	0	68.5	58.6	49.7
10-11 AM	2228	0.0	3000	2228	0	0.33	0	67.9	58.4	49.7
11AM-NOON	2513	0.0	2999	2513	0	0.41	0	67.6	56.3	46.6
NOON-1PM	3055	0.0	2999	3055	0	1.00	15	66.9	45.1	37.3
1-2 PM	2887	0.0	2999	2887	0	0.91	14	67.1	46.6	38.6
2-3 PM	3000	0.0	2999	3000	0	0.77	3	67.0	48.7	37.4
3-4 PM	3087	0.0	3000	3087	0	1.49	44	66.9	38.8	37.3
4-5 PM	3353	0.0	3000	3353	0	5.43	278	66.6	18.8	37.3
5-6 PM	3001	0.0	2999	3001	0	9.48	482	67.0	13.4	37.3
6-7 PM	2383	0.0	2999	2383	0	2.53	193	67.8	30.4	43.9
7-8 PM	2017	0.0	OFF	2017	0	0.00	0	68.2	68.2	68.2
8-9 PM	1589	0.0	OFF	1589	0	0.00	0	68.7	68.7	68.7
9-10 PM	1307	0.0	OFF	1307	0	0.00	0	69.1	69.1	69.1
10-11 PM	1048	0.0	OFF	1048	0	0.00	0	69.4	69.4	69.4
11PM-MID	597	0.0	OFF	597	0	0.00	0	70.0	70.0	70.0

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

----- 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	0.0142
MAIN ROUTE WITH WORKS	0.0124
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$19,119
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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