

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

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	415	0.0	OFF	415	0	0.00	0	70.2	70.2	70.2
1-2 AM	272	0.0	OFF	272	0	0.00	0	70.2	70.2	70.2
2-3 AM	258	0.0	OFF	258	0	0.00	0	70.2	70.2	70.2
3-4 AM	361	0.0	OFF	361	0	0.00	0	70.2	70.2	70.2
4-5 AM	723	0.0	OFF	723	0	0.00	0	69.9	69.9	69.9
5-6 AM	2116	0.0	OFF	2116	0	0.00	0	68.1	68.1	68.1
6-7 AM	4338	0.0	OFF	4338	0	0.00	0	61.2	61.2	61.2
7-8 AM	5600	0.0	OFF	5600	0	0.00	0	52.6	52.6	52.6
8-9 AM	4333	0.0	OFF	4333	0	0.00	0	61.2	61.2	61.2
9-10 AM	3498	0.0	OFF	3498	0	0.00	0	66.4	66.4	66.4
10-11 AM	3392	0.0	2999	3392	0	3.68	191	66.5	24.0	37.3
11AM-NOON	3633	0.0	3000	3527	105	12.78+	683	66.0	11.8	37.3
NOON-1PM	3725	0.0	3000	2984	741	16.69+	883	65.4	10.5	37.3
1-2 PM	3633	0.0	2999	2991	642	16.70+	882	66.0	10.5	37.3
2-3 PM	4322	0.0	2999	3028	1295	16.86+	905	61.4	10.4	37.3
3-4 PM	4753	0.0	OFF	4753	0	3.69	340	58.4	22.8	22.8
4-5 PM	4691	0.0	OFF	4691	0	0.00	0	58.8	58.8	58.8
5-6 PM	4437	0.0	OFF	4437	0	0.00	0	60.5	60.5	60.5
6-7 PM	3422	0.0	OFF	3422	0	0.00	0	66.5	66.5	66.5
7-8 PM	2386	0.0	OFF	2386	0	0.00	0	67.8	67.8	67.8
8-9 PM	1764	0.0	OFF	1764	0	0.00	0	68.6	68.6	68.6
9-10 PM	1649	0.0	OFF	1649	0	0.00	0	68.7	68.7	68.7
10-11 PM	1326	0.0	OFF	1326	0	0.00	0	69.1	69.1	69.1
11PM-MID	1118	0.0	OFF	1118	0	0.00	0	69.4	69.4	69.4

"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	0.0242
MAIN ROUTE WITH WORKS	0.0221
'DIVERSION'	0.0024
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$48,411
CONGESTED HOURS PER DAY*	4

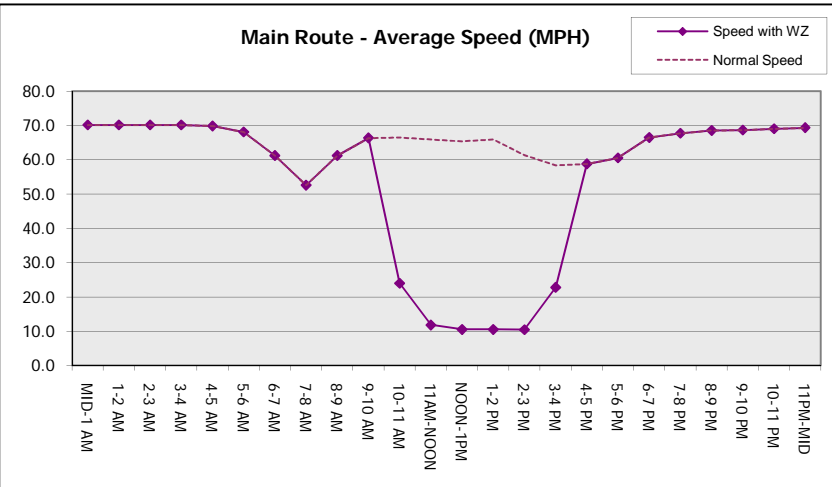
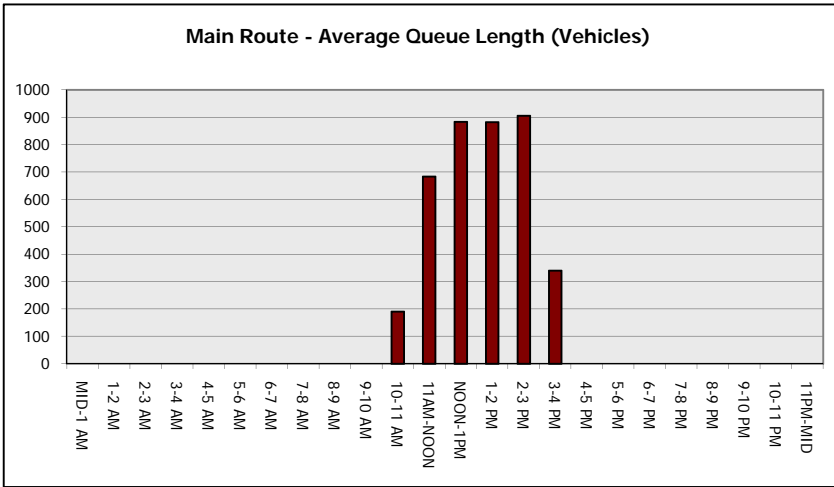
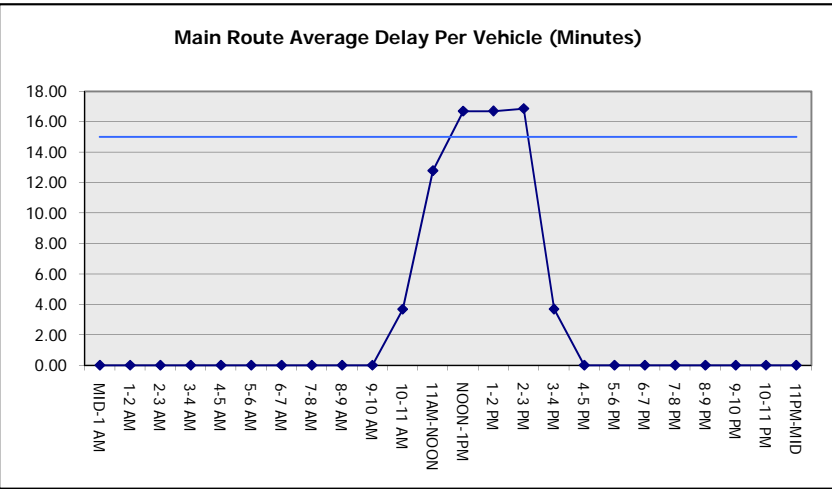
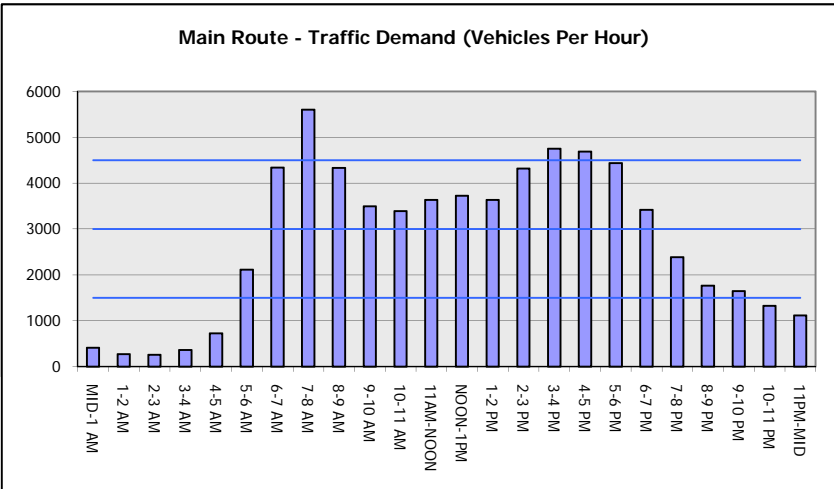
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



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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	585	0.0	OFF	585	0	0.00	0	70.0	70.0	70.0
1-2 AM	374	0.0	OFF	374	0	0.00	0	70.2	70.2	70.2
2-3 AM	323	0.0	OFF	323	0	0.00	0	70.2	70.2	70.2
3-4 AM	373	0.0	OFF	373	0	0.00	0	70.2	70.2	70.2
4-5 AM	667	0.0	OFF	667	0	0.00	0	69.9	69.9	69.9
5-6 AM	1955	0.0	OFF	1955	0	0.00	0	68.3	68.3	68.3
6-7 AM	3849	0.0	OFF	3849	0	0.00	0	64.6	64.6	64.6
7-8 AM	4705	0.0	OFF	4705	0	0.00	0	58.7	58.7	58.7
8-9 AM	3889	0.0	OFF	3889	0	0.00	0	64.3	64.3	64.3
9-10 AM	3394	0.0	OFF	3394	0	0.00	0	66.5	66.5	66.5
10-11 AM	3309	0.0	2999	3309	0	3.03	147	66.6	27.0	37.3
11AM-NOON	3618	0.0	3000	3618	0	11.17+	600	66.1	12.6	37.3
NOON-1PM	3893	0.0	2999	2976	917	16.68+	886	64.3	10.5	37.3
1-2 PM	4211	0.0	2999	3006	1205	16.77+	897	62.1	10.4	37.3
2-3 PM	4913	0.0	2999	3011	1902	17.21+	938	57.3	10.3	37.3
3-4 PM	5606	0.0	OFF	5606	0	7.38	723	52.5	13.8	13.8
4-5 PM	6129	0.0	OFF	6129	0	5.86	591	49.0	15.9	15.9
5-6 PM	5744	0.0	OFF	5744	0	5.37	527	51.6	17.1	17.1
6-7 PM	4024	0.0	OFF	4024	0	0.50	40	63.3	51.5	51.5
7-8 PM	2784	0.0	OFF	2784	0	0.00	0	67.3	67.3	67.3
8-9 PM	2273	0.0	OFF	2273	0	0.00	0	67.9	67.9	67.9
9-10 PM	2252	0.0	OFF	2252	0	0.00	0	67.9	67.9	67.9
10-11 PM	2031	0.0	OFF	2031	0	0.00	0	68.2	68.2	68.2
11PM-MID	1350	0.0	OFF	1350	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 (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	0.0264
MAIN ROUTE WITH WORKS	0.0239
'DIVERSION'	0.0034

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$67,716
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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