

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	415	0	0.52	0	70.2	55.4	43.8	
1-2 AM	272	0.0	1500	272	0	0.51	0	70.2	55.8	44.4	
2-3 AM	258	0.0	1500	258	0	0.50	0	70.2	55.8	44.5	
3-4 AM	361	0.0	1500	361	0	0.52	0	70.2	55.6	44.0	
4-5 AM	723	0.0	1500	723	0	0.56	0	69.9	54.5	42.7	
5-6 AM	2116	0.0	1499	2116	0	5.20	195	68.1	19.4	30.8	
6-7 AM	4338	0.0	1500	1303	3035	15.94+	402	61.2	8.1	35.1	
7-8 AM	5600	0.0	1500	1500	4100	16.13+	411	52.6	7.9	30.8	
8-9 AM	4333	0.0	1500	1500	2833	16.53+	411	61.2	7.9	30.8	
9-10 AM	3498	0.0	1500	1500	1998	16.72+	411	66.4	7.9	30.8	
10-11 AM	3392	0.0	1500	1500	1892	16.73+	411	66.5	7.9	30.8	
11AM-NOON	3633	0.0	1500	1500	2133	16.71+	411	66.0	7.9	30.8	
NOON-1PM	3725	0.0	1500	1500	2225	16.69+	411	65.4	7.9	30.8	
1-2 PM	3633	0.0	1500	1500	2133	16.71+	411	66.0	7.9	30.8	
2-3 PM	4322	0.0	1500	1500	2822	16.54+	411	61.4	7.9	30.8	
3-4 PM	4753	0.0	1500	1500	3253	16.41+	411	58.4	7.9	30.8	
4-5 PM	4691	0.0	1500	1500	3191	16.43+	411	58.8	7.9	30.8	
5-6 PM	4437	0.0	1500	1500	2937	16.50+	411	60.5	7.9	30.8	
6-7 PM	3422	0.0	1500	1499	1923	16.72+	411	66.5	7.9	30.8	
7-8 PM	2386	0.0	1500	1499	887	16.62+	407	67.8	7.9	30.8	
8-9 PM	1764	0.0	1500	1500	265	16.62+	406	68.6	7.9	30.8	
9-10 PM	1649	0.0	1499	1500	150	16.62+	406	68.7	7.9	30.8	
10-11 PM	1326	0.0	1499	1326	0	14.15+	346	69.1	8.8	30.8	
11PM-MID	1118	0.0	1499	1118	0	2.77	99	69.4	29.0	36.8	

+ 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

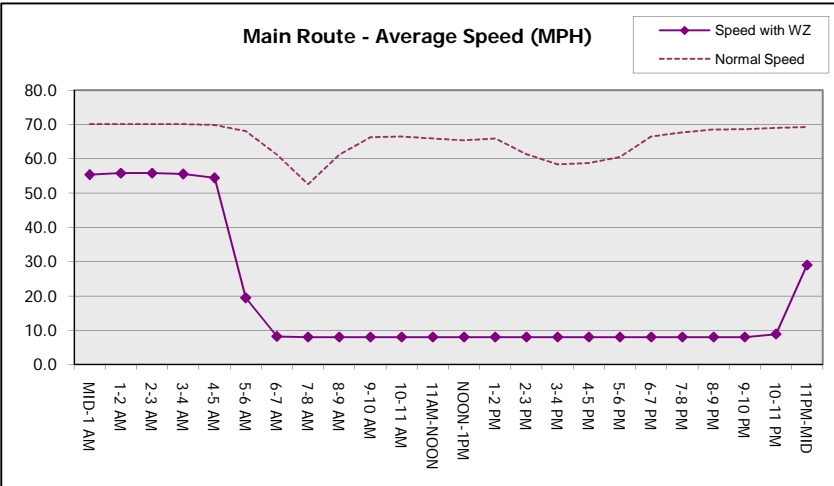
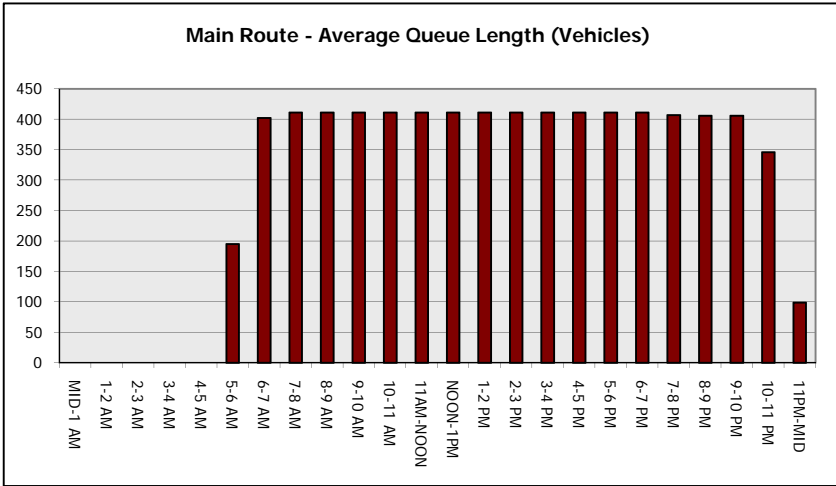
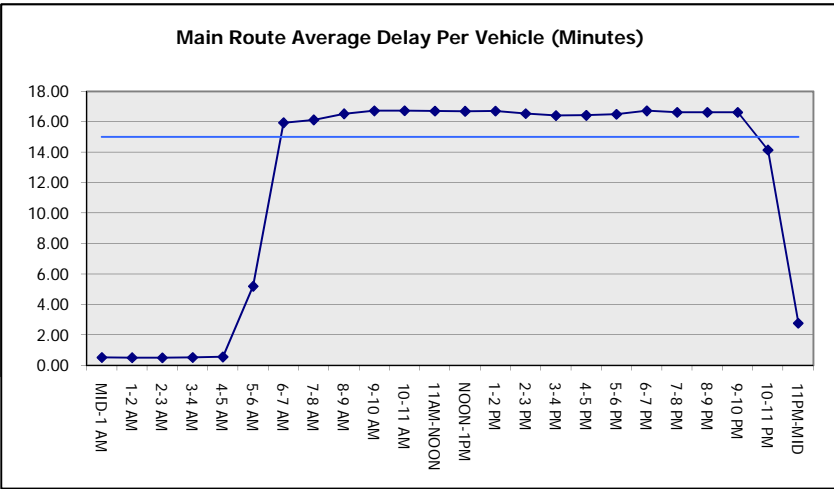
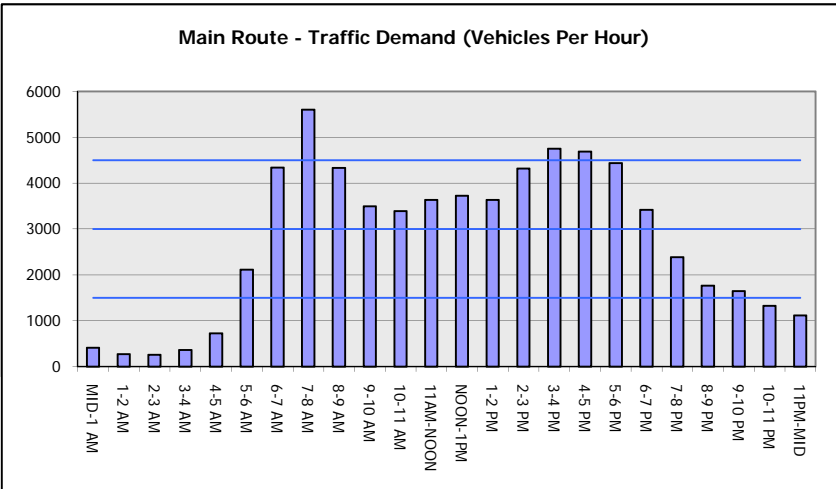
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0091
'DIVERSION'	0.0303
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$227,728
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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MAY
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Construction Season

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	1500	585	0	1.03	31	70.0	45.9	43.0
1-2 AM	374	0.0	1500	374	0	0.52	0	70.2	55.5	44.0
2-3 AM	323	0.0	1500	323	0	0.51	0	70.2	55.6	44.2
3-4 AM	373	0.0	1500	373	0	0.52	0	70.2	55.5	44.0
4-5 AM	667	0.0	1500	667	0	0.55	0	69.9	54.6	42.8
5-6 AM	1955	0.0	1499	1955	0	3.56	128	68.3	24.7	30.8
6-7 AM	3849	0.0	1499	1499	2350	16.65+	411	64.6	7.9	30.8
7-8 AM	4705	0.0	1500	1500	3205	16.43+	411	58.7	7.9	30.8
8-9 AM	3889	0.0	1500	1500	2389	16.65+	411	64.3	7.9	30.8
9-10 AM	3394	0.0	1499	1495	1899	16.71+	410	66.5	7.9	30.8
10-11 AM	3309	0.0	1499	1495	1815	16.71+	410	66.6	7.9	30.8
11AM-NOON	3618	0.0	1499	1500	2118	16.71+	411	66.1	7.9	30.8
NOON-1PM	3893	0.0	1500	1500	2393	16.65+	411	64.3	7.9	30.8
1-2 PM	4211	0.0	1500	1500	2711	16.57+	411	62.1	7.9	30.8
2-3 PM	4913	0.0	1500	1500	3413	16.36+	411	57.3	7.9	30.8
3-4 PM	5606	0.0	1500	1500	4106	16.13+	411	52.5	7.9	30.8
4-5 PM	6129	0.0	1500	1500	4629	15.92+	411	49.0	7.9	30.8
5-6 PM	5744	0.0	1500	1500	4244	16.07+	411	51.6	7.9	30.8
6-7 PM	4024	0.0	1500	1500	2524	16.61+	411	63.3	7.9	30.8
7-8 PM	2784	0.0	1499	1491	1293	16.66+	408	67.3	7.9	30.8
8-9 PM	2273	0.0	1499	1499	774	16.62+	407	67.9	7.9	30.8
9-10 PM	2252	0.0	1499	1499	753	16.62+	407	67.9	7.9	30.8
10-11 PM	2031	0.0	1499	1499	532	16.62+	406	68.2	7.9	30.8
11PM-MID	1350	0.0	1499	1292	57	14.29+	351	69.1	8.8	30.9

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0264
MAIN ROUTE WITH WORKS	0.0093
'DIVERSION'	0.0349

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$251,597
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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