

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 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	484	0.0	3000	484	0	0.36	0	70.1	59.3	49.7
1-2 AM	330	0.0	3000	330	0	0.36	0	70.2	59.3	49.7
2-3 AM	290	0.0	3000	290	0	0.36	0	70.2	59.3	49.7
3-4 AM	397	0.0	3000	397	0	0.36	0	70.2	59.3	49.7
4-5 AM	752	0.0	3000	752	0	0.35	0	69.8	59.2	49.7
5-6 AM	2041	0.0	2999	2041	0	0.36	0	68.2	57.9	48.6
6-7 AM	4167	0.0	2999	4167	0	7.26+	479	62.4	16.8	37.3
7-8 AM	5370	0.0	3000	2806	2564	16.82+	929	54.2	10.3	37.3
8-9 AM	4359	0.0	2999	2919	1440	17.03+	915	61.0	10.4	37.3
9-10 AM	3628	0.0	3000	2996	632	16.70+	882	66.1	10.5	37.3
10-11 AM	3551	0.0	2999	2997	554	16.70+	882	66.3	10.5	37.3
11AM-NOON	3748	0.0	2999	2999	749	16.68+	883	65.3	10.5	37.3
NOON-1PM	3640	0.0	3000	2999	641	16.70+	882	66.0	10.5	37.3
1-2 PM	3243	0.0	3000	2998	244	16.67+	879	66.7	10.6	37.3
2-3 PM	3955	0.0	2999	3008	947	16.65+	886	63.8	10.5	37.3
3-4 PM	4680	0.0	2999	3041	1638	17.23+	933	58.9	10.3	37.3
4-5 PM	4317	0.0	3000	2968	1349	16.96+	910	61.4	10.4	37.3
5-6 PM	3991	0.0	3000	2991	1000	16.69+	888	63.6	10.5	37.3
6-7 PM	2984	0.0	3000	2874	110	16.19+	852	67.0	10.7	37.3
7-8 PM	2147	0.0	2999	2147	0	4.99	380	68.1	21.4	43.8
8-9 PM	1756	0.0	3000	1756	0	0.34	0	68.6	58.7	49.7
9-10 PM	1588	0.0	3000	1588	0	0.34	0	68.7	58.7	49.7
10-11 PM	1307	0.0	3000	1307	0	0.35	0	69.1	58.9	49.7
11PM-MID	1164	0.0	3000	1164	0	0.35	0	69.3	59.0	49.7

+ 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

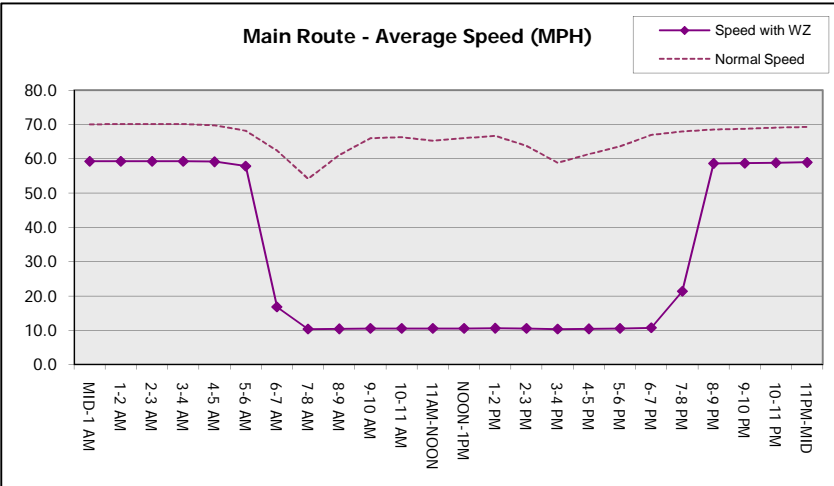
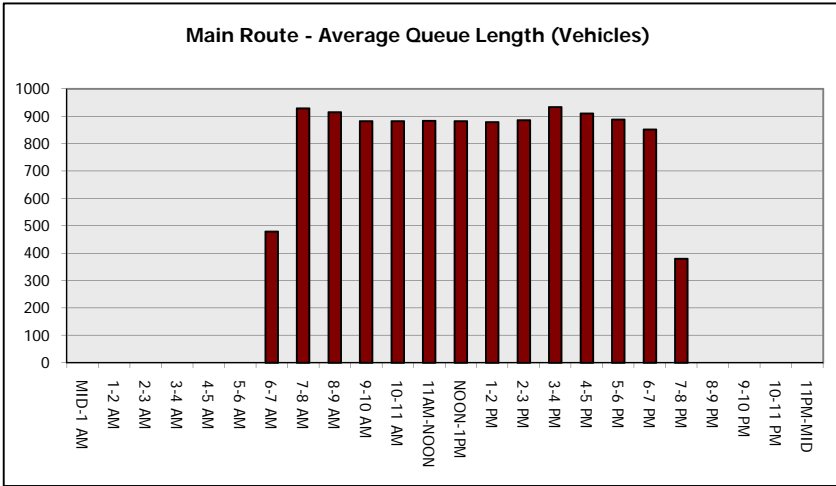
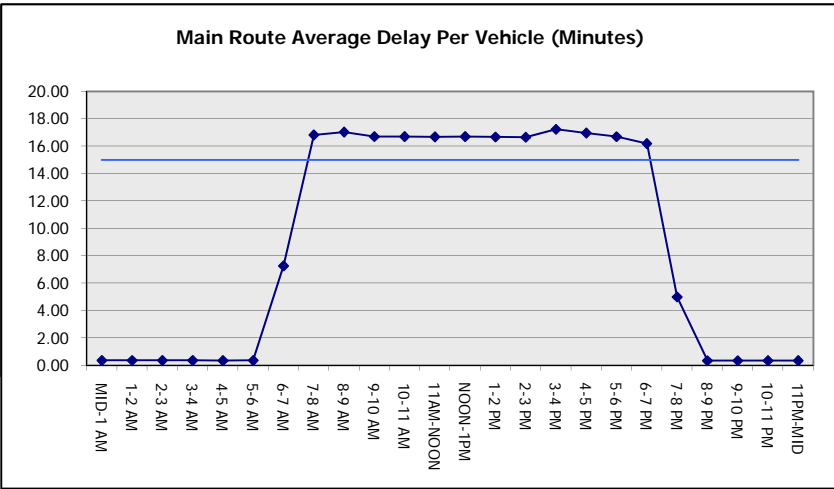
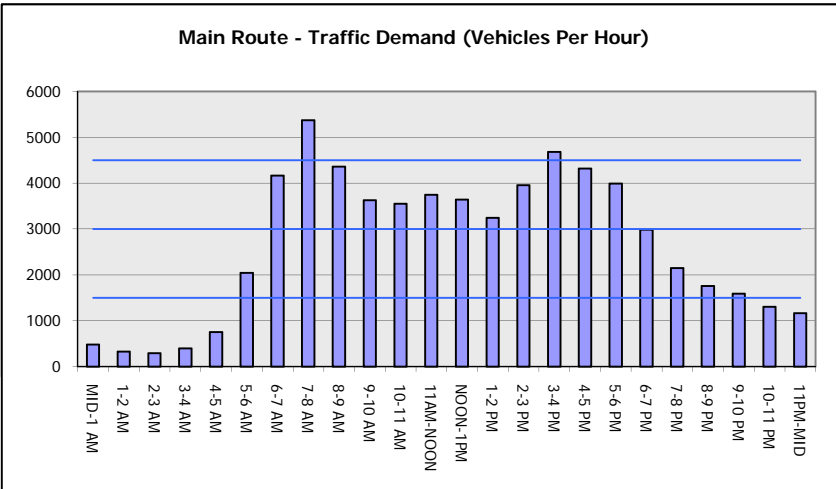
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0234
MAIN ROUTE WITH WORKS	0.0156
'DIVERSION'	0.0101
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$189,846
CONGESTED HOURS PER DAY*	13

*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	643	0.0	3000	643	0	0.36	0	69.9	59.2	49.7
1-2 AM	415	0.0	3000	415	0	0.36	0	70.2	59.3	49.7
2-3 AM	367	0.0	3000	367	0	0.36	0	70.2	59.3	49.7
3-4 AM	367	0.0	3000	367	0	0.36	0	70.2	59.3	49.7
4-5 AM	659	0.0	3000	659	0	0.36	0	69.9	59.2	49.7
5-6 AM	1933	0.0	2999	1933	0	0.34	0	68.3	58.6	49.7
6-7 AM	3578	0.0	2999	3578	0	3.35	205	66.3	25.7	37.3
7-8 AM	4621	0.0	2999	3364	1257	16.44+	891	59.3	10.5	37.3
8-9 AM	3893	0.0	3000	2954	939	16.76+	890	64.3	10.5	37.3
9-10 AM	3261	0.0	2999	2993	269	16.68+	879	66.7	10.6	37.3
10-11 AM	3435	0.0	2999	2996	439	16.69+	881	66.4	10.5	37.3
11AM-NOON	3772	0.0	2999	2999	773	16.68+	883	65.1	10.5	37.3
NOON-1PM	4209	0.0	2999	3019	1190	16.72+	895	62.1	10.5	37.3
1-2 PM	4403	0.0	3000	3024	1378	16.98+	913	60.8	10.4	37.3
2-3 PM	5186	0.0	2999	3000	2186	17.11+	939	55.5	10.3	37.3
3-4 PM	5716	0.0	3000	3000	2716	16.84+	939	51.8	10.3	37.3
4-5 PM	6077	0.0	3000	3000	3076	16.63+	939	49.4	10.3	37.3
5-6 PM	5733	0.0	3000	3000	2733	16.83+	939	51.7	10.3	37.3
6-7 PM	4090	0.0	3000	2982	1108	16.91+	902	62.9	10.4	37.3
7-8 PM	2892	0.0	2999	2799	93	15.78+	830	67.1	10.7	37.3
8-9 PM	2409	0.0	2999	2409	0	7.72	429	67.8	15.6	39.6
9-10 PM	2404	0.0	3000	2404	0	0.50	11	67.8	54.4	48.7
10-11 PM	2358	0.0	3000	2358	0	0.33	0	67.8	58.4	49.7
11PM-MID	1540	0.0	3000	1540	0	0.34	0	68.8	58.8	49.7

+ 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	0.0271
MAIN ROUTE WITH WORKS	0.0167
'DIVERSION'	0.0154

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$224,164
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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