

USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	345	0.0	3000	345	0	0.36	0	70.2	59.3	49.7
1-2 AM	223	0.0	3000	223	0	0.36	0	70.2	59.3	49.7
2-3 AM	224	0.0	3000	224	0	0.36	0	70.2	59.3	49.7
3-4 AM	348	0.0	3000	348	0	0.36	0	70.2	59.3	49.7
4-5 AM	695	0.0	3000	695	0	0.36	0	69.9	59.2	49.7
5-6 AM	2134	0.0	2999	2134	0	0.41	0	68.1	56.7	46.9
6-7 AM	4533	0.0	2999	3964	570	9.30+	570	59.9	14.2	37.3
7-8 AM	5538	0.0	3000	3000	2538	16.93+	939	53.0	10.3	37.3
8-9 AM	4385	0.0	2999	2933	1452	17.06+	917	60.9	10.4	37.3
9-10 AM	3346	0.0	3000	2993	353	16.68+	880	66.6	10.6	37.3
10-11 AM	3242	0.0	2999	2996	246	16.67+	879	66.7	10.6	37.3
11AM-NOON	3367	0.0	2999	2998	369	16.68+	880	66.6	10.6	37.3
NOON-1PM	3354	0.0	3000	2999	355	16.68+	880	66.6	10.6	37.3
1-2 PM	3366	0.0	3000	2999	367	16.68+	880	66.6	10.6	37.3
2-3 PM	3991	0.0	2999	3008	983	16.65+	886	63.6	10.5	37.3
3-4 PM	4463	0.0	2999	3038	1425	17.04+	918	60.4	10.4	37.3
4-5 PM	4386	0.0	3000	2984	1402	17.03+	915	60.9	10.4	37.3
5-6 PM	4262	0.0	3000	2982	1280	16.89+	905	61.7	10.4	37.3
6-7 PM	3096	0.0	3000	2910	186	16.39+	863	66.9	10.6	37.3
7-8 PM	2104	0.0	2999	2104	0	5.22	401	68.1	21.0	43.9
8-9 PM	1746	0.0	3000	1746	0	0.34	0	68.6	58.7	49.7
9-10 PM	1452	0.0	3000	1452	0	0.34	0	68.9	58.8	49.7
10-11 PM	1053	0.0	3000	1053	0	0.35	0	69.4	59.1	49.7
11PM-MID	875	0.0	3000	875	0	0.35	0	69.7	59.1	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

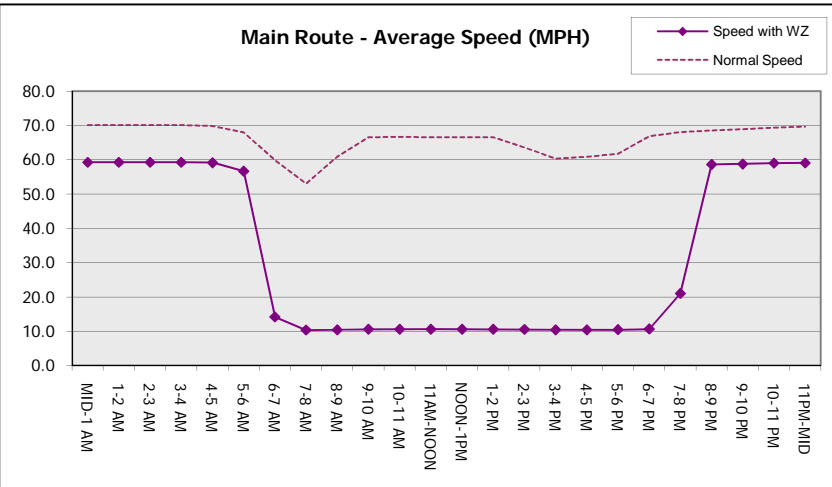
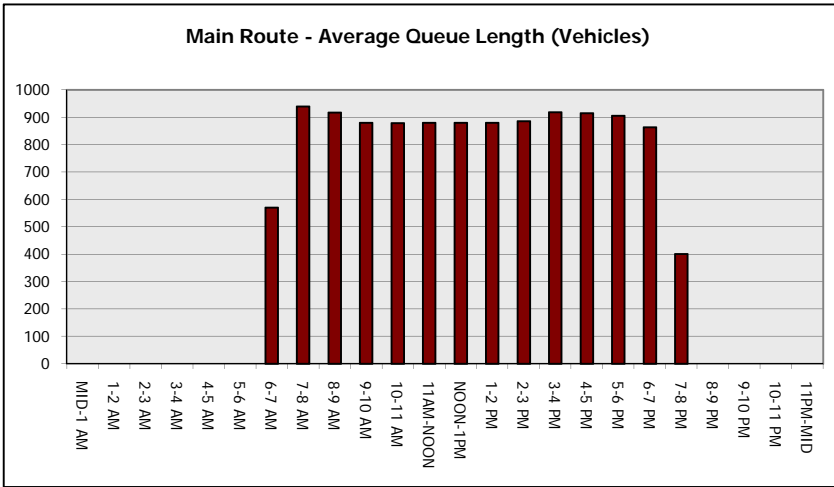
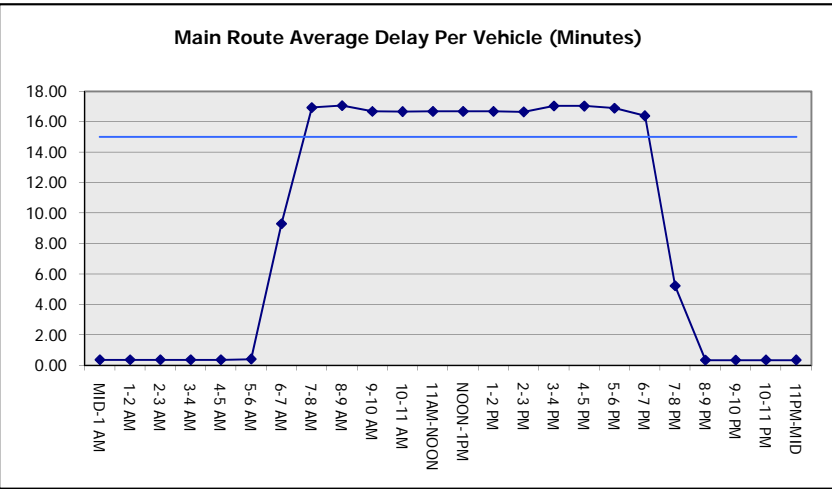
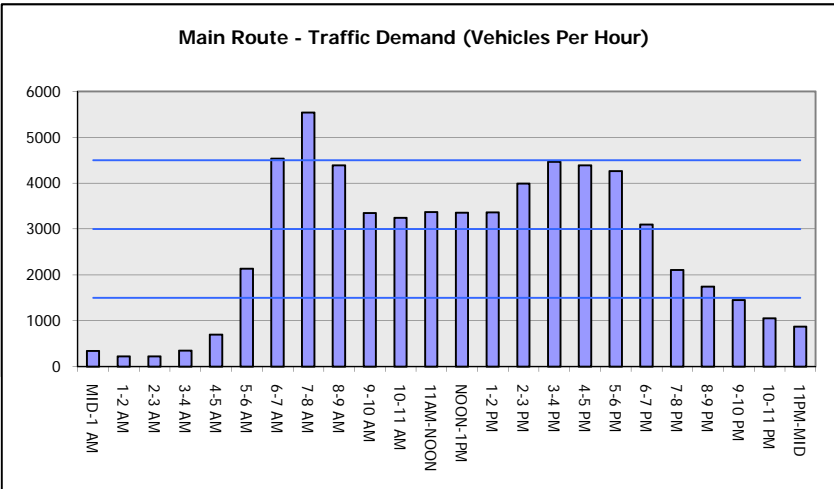
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0229
MAIN ROUTE WITH WORKS	0.0153
'DIVERSION'	0.0098
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$185,107
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 45: STH 145 TO CTH E (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	431	0.0	3000	431	0	0.36	0	70.2	59.3	49.7
1-2 AM	291	0.0	3000	291	0	0.36	0	70.2	59.3	49.7
2-3 AM	254	0.0	3000	254	0	0.36	0	70.2	59.3	49.7
3-4 AM	314	0.0	3000	314	0	0.36	0	70.2	59.3	49.7
4-5 AM	608	0.0	3000	608	0	0.36	0	70.0	59.2	49.7
5-6 AM	1935	0.0	2999	1935	0	0.34	0	68.3	58.6	49.7
6-7 AM	3702	0.0	2999	3702	0	4.24	267	65.6	22.7	37.3
7-8 AM	4603	0.0	2999	3220	1383	16.87+	912	59.4	10.4	37.3
8-9 AM	3959	0.0	3000	2969	990	16.74+	891	63.8	10.5	37.3
9-10 AM	2933	0.0	3000	2886	47	16.21+	853	67.1	10.7	37.3
10-11 AM	2811	0.0	3000	2811	0	13.03+	679	67.3	11.7	37.3
11AM-NOON	3038	0.0	3000	3038	0	11.51	594	66.9	12.3	37.3
NOON-1PM	3216	0.0	3000	3216	0	13.76+	721	66.8	11.4	37.3
1-2 PM	3441	0.0	2999	3017	424	16.69+	880	66.4	10.5	37.3
2-3 PM	4213	0.0	3000	3058	1155	16.78+	898	62.1	10.4	37.3
3-4 PM	5022	0.0	2999	3000	2022	17.19+	939	56.6	10.3	37.3
4-5 PM	5640	0.0	3000	3000	2640	16.88+	939	52.4	10.3	37.3
5-6 PM	5573	0.0	3000	3000	2573	16.91+	939	52.8	10.3	37.3
6-7 PM	3441	0.0	3000	2940	501	16.61+	876	66.4	10.6	37.3
7-8 PM	2353	0.0	2999	2353	0	10.51+	577	67.8	13.1	39.9
8-9 PM	2053	0.0	3000	2053	0	0.60	24	68.2	52.6	49.7
9-10 PM	1853	0.0	3000	1853	0	0.34	0	68.4	58.6	49.7
10-11 PM	1520	0.0	3000	1520	0	0.34	0	68.9	58.8	49.7
11PM-MID	852	0.0	3000	852	0	0.35	0	69.7	59.1	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	0.0157
'DIVERSION'	0.0099

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$178,472
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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