

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

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	3000	415	0	0.36	0	70.2	59.3	49.7
1-2 AM	272	0.0	3000	272	0	0.36	0	70.2	59.3	49.7
2-3 AM	258	0.0	3000	258	0	0.36	0	70.2	59.3	49.7
3-4 AM	361	0.0	3000	361	0	0.36	0	70.2	59.3	49.7
4-5 AM	723	0.0	3000	723	0	0.35	0	69.9	59.2	49.7
5-6 AM	2116	0.0	2999	2116	0	0.39	0	68.1	57.1	47.4
6-7 AM	4338	0.0	2999	4051	287	8.06+	509	61.2	15.5	37.3
7-8 AM	5600	0.0	3000	2955	2644	16.84+	936	52.6	10.3	37.3
8-9 AM	4333	0.0	2999	2892	1441	16.96+	911	61.2	10.4	37.3
9-10 AM	3498	0.0	3000	2993	505	16.70+	881	66.4	10.5	37.3
10-11 AM	3392	0.0	2999	2996	396	16.69+	880	66.5	10.6	37.3
11AM-NOON	3633	0.0	2999	2998	634	16.70+	882	66.0	10.5	37.3
NOON-1PM	3725	0.0	3000	2999	726	16.68+	883	65.4	10.5	37.3
1-2 PM	3633	0.0	3000	2999	633	16.70+	882	66.0	10.5	37.3
2-3 PM	4322	0.0	2999	3039	1284	16.85+	904	61.4	10.4	37.3
3-4 PM	4753	0.0	2999	3005	1748	17.29+	939	58.4	10.3	37.3
4-5 PM	4691	0.0	3000	3008	1683	17.31+	938	58.8	10.3	37.3
5-6 PM	4437	0.0	3000	2969	1468	17.14+	923	60.5	10.4	37.3
6-7 PM	3422	0.0	3000	2990	431	16.69+	880	66.5	10.5	37.3
7-8 PM	2386	0.0	2999	2386	0	11.77+	638	67.8	12.4	39.2
8-9 PM	1764	0.0	3000	1764	0	0.66	34	68.6	51.6	49.7
9-10 PM	1649	0.0	3000	1649	0	0.34	0	68.7	58.7	49.7
10-11 PM	1326	0.0	3000	1326	0	0.35	0	69.1	58.9	49.7
11PM-MID	1118	0.0	3000	1118	0	0.35	0	69.4	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

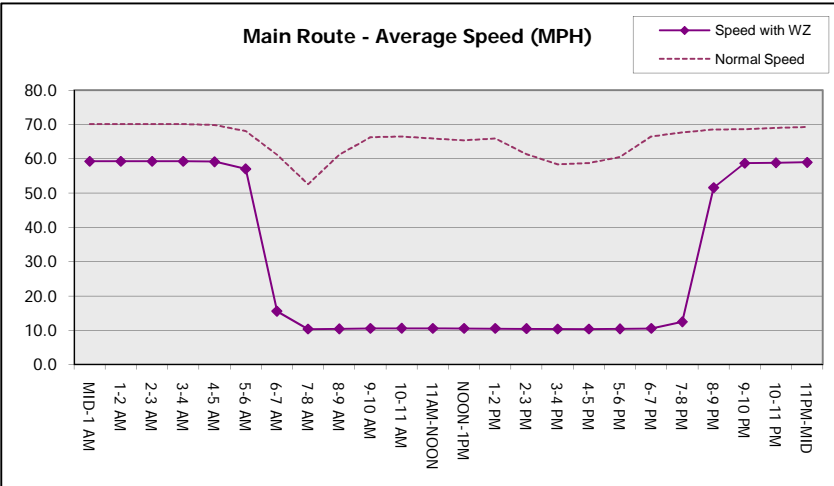
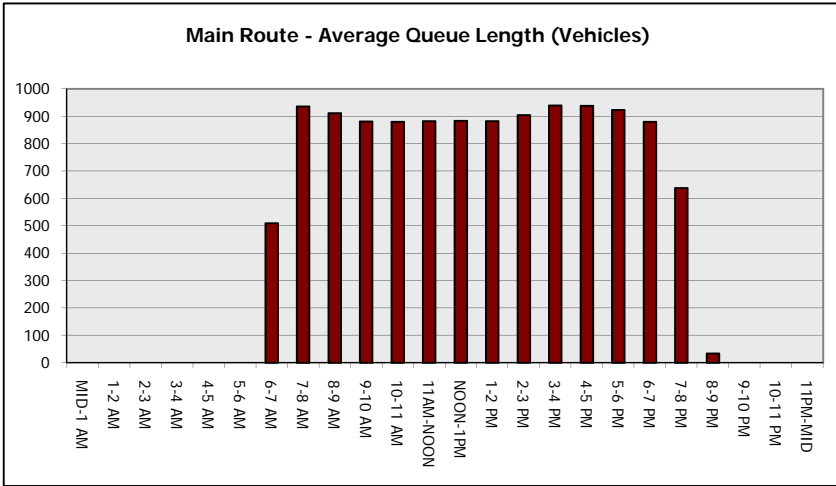
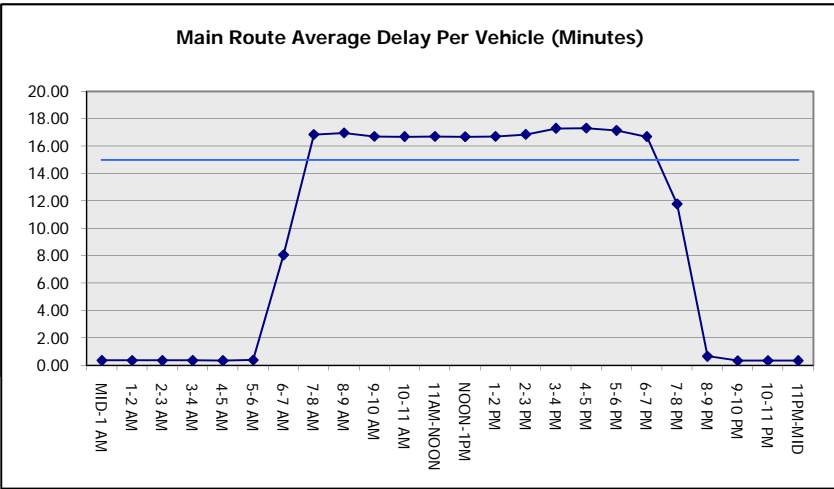
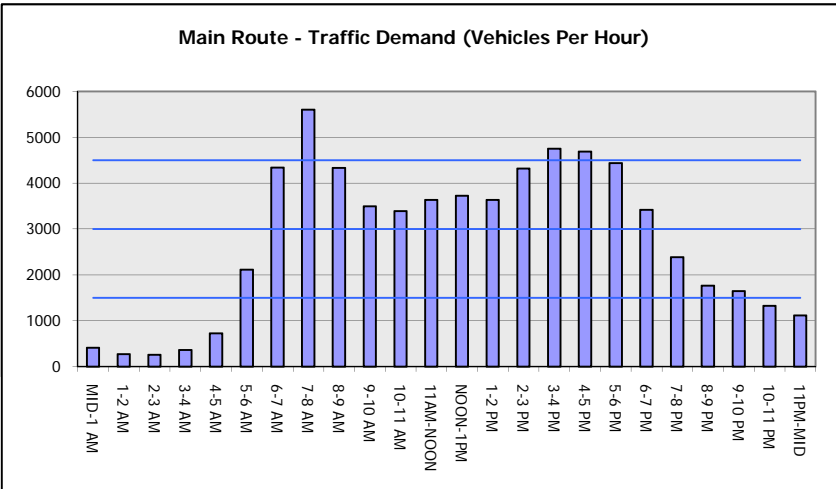
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0242
MAIN ROUTE WITH WORKS	0.0157
'DIVERSION'	0.0118
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$203,397
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

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	3000	585	0	0.36	0	70.0	59.2	49.7
1-2 AM	374	0.0	3000	374	0	0.36	0	70.2	59.3	49.7
2-3 AM	323	0.0	3000	323	0	0.36	0	70.2	59.3	49.7
3-4 AM	373	0.0	3000	373	0	0.36	0	70.2	59.3	49.7
4-5 AM	667	0.0	3000	667	0	0.36	0	69.9	59.2	49.7
5-6 AM	1955	0.0	2999	1955	0	0.34	0	68.3	58.6	49.7
6-7 AM	3849	0.0	2999	3849	0	5.26	338	64.6	20.1	37.3
7-8 AM	4705	0.0	2999	3077	1629	17.13+	928	58.7	10.3	37.3
8-9 AM	3889	0.0	3000	2969	920	16.72+	888	64.3	10.5	37.3
9-10 AM	3394	0.0	2999	2994	400	16.69+	880	66.5	10.6	37.3
10-11 AM	3309	0.0	2999	2996	313	16.68+	879	66.6	10.6	37.3
11AM-NOON	3618	0.0	2999	2999	619	16.70+	882	66.1	10.5	37.3
NOON-1PM	3893	0.0	2999	3000	893	16.65+	884	64.3	10.5	37.3
1-2 PM	4211	0.0	2999	3025	1186	16.73+	895	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	3000	3000	2606	16.90+	939	52.5	10.3	37.3
4-5 PM	6129	0.0	3000	3000	3129	16.60+	939	49.0	10.3	37.3
5-6 PM	5744	0.0	3000	3000	2744	16.82+	939	51.6	10.3	37.3
6-7 PM	4024	0.0	3000	2986	1038	16.87+	899	63.3	10.4	37.3
7-8 PM	2784	0.0	2999	2727	57	15.30+	805	67.3	10.9	37.3
8-9 PM	2273	0.0	2999	2273	0	3.86	292	67.9	24.5	43.7
9-10 PM	2252	0.0	3000	2252	0	0.33	0	67.9	58.4	49.7
10-11 PM	2031	0.0	3000	2031	0	0.33	0	68.2	58.6	49.7
11PM-MID	1350	0.0	3000	1350	0	0.35	0	69.1	58.9	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	0.0264
MAIN ROUTE WITH WORKS	0.0164
'DIVERSION'	0.0148

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$219,357
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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