

**IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

MAY
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
FRIDAY WESTBOUND 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	980	0.0	3000	980	0	0.35	0	69.5	58.2	49.7	
1-2 AM	758	0.0	3000	758	0	0.35	0	69.8	58.3	49.7	
2-3 AM	581	0.0	3000	581	0	0.36	0	70.0	58.4	49.7	
3-4 AM	794	0.0	3000	794	0	0.35	0	69.7	58.3	49.7	
4-5 AM	1925	0.0	2999	1925	0	0.34	0	68.3	57.8	49.7	
5-6 AM	4070	0.0	2999	4070	0	6.26+	418	63.0	17.6	37.3	
6-7 AM	5657	0.0	2999	2933	2723	17.05+	948	52.2	10.0	37.3	
7-8 AM	5276	0.0	3000	2989	2287	17.31+	952	54.8	10.0	37.3	
8-9 AM	4433	0.0	2999	2925	1508	17.34+	933	60.5	10.1	37.3	
9-10 AM	4372	0.0	2999	3012	1360	17.16+	922	61.0	10.1	37.3	
10-11 AM	4830	0.0	2999	3009	1821	17.51+	952	57.9	10.0	37.3	
11AM-NOON	5259	0.0	3000	3000	2259	17.34+	953	55.0	10.0	37.3	
NOON-1PM	5441	0.0	3000	3000	2441	17.25+	953	53.7	10.0	37.3	
1-2 PM	5825	0.0	3000	3000	2825	17.05+	953	51.0	10.0	37.3	
2-3 PM	5594	0.0	3000	3000	2594	17.17+	953	52.7	10.0	37.3	
3-4 PM	5745	0.0	3000	3000	2744	17.09+	953	51.6	10.0	37.3	
4-5 PM	5626	0.0	3000	3000	2626	17.15+	953	52.4	10.0	37.3	
5-6 PM	5183	0.0	3000	3000	2183	17.37+	953	55.5	10.0	37.3	
6-7 PM	3973	0.0	3000	2964	1009	16.95+	902	63.7	10.2	37.3	
7-8 PM	3221	0.0	3000	2993	228	16.81+	887	66.8	10.2	37.3	
8-9 PM	3087	0.0	2999	2996	91	16.80+	885	66.9	10.2	37.3	
9-10 PM	3095	0.0	2999	2997	98	16.80+	885	66.9	10.2	37.3	
10-11 PM	2605	0.0	2999	2605	0	13.78+	725	67.5	11.1	37.3	
11PM-MID	1978	0.0	2999	1978	0	1.61	147	68.2	36.9	47.3	

+ 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

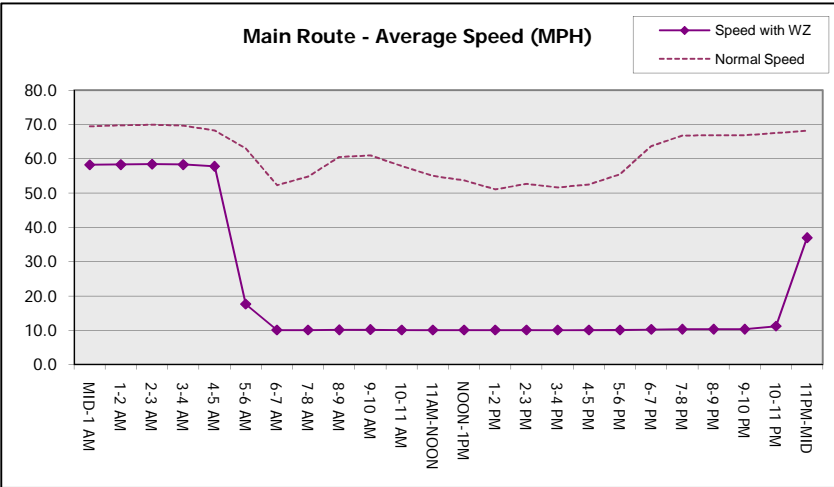
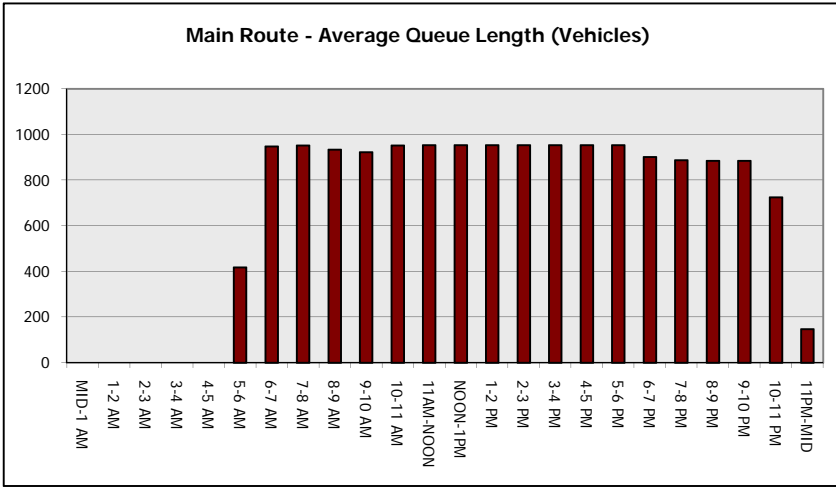
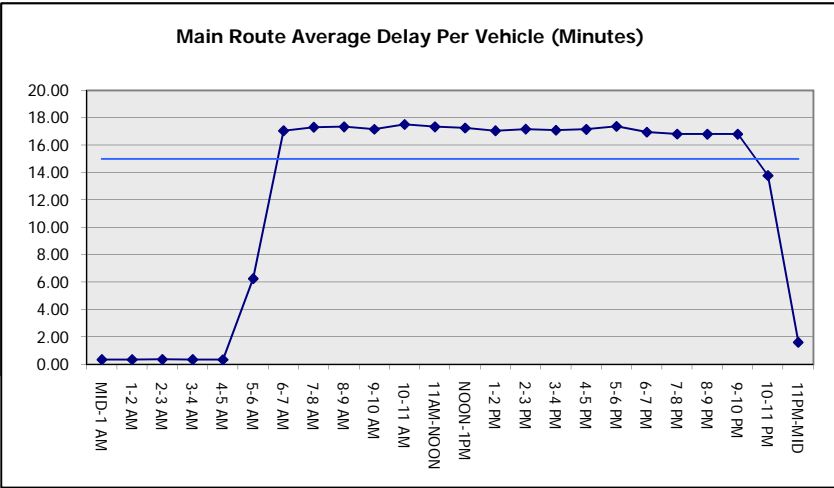
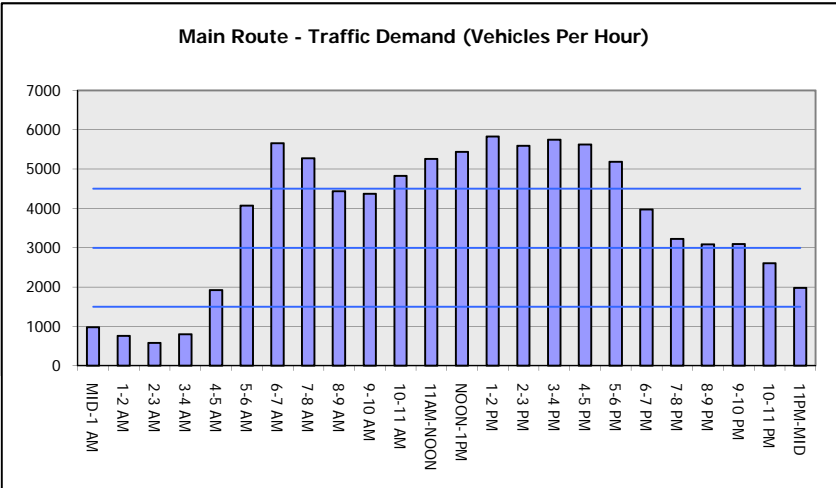
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0302
MAIN ROUTE WITH WORKS	0.0165
'DIVERSION'	0.0223
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$311,418
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY EASTBOUND 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	704	0.0	3000	704	0	0.36	0	69.9	58.4	49.7	
1-2 AM	536	0.0	3000	536	0	0.36	0	70.0	58.4	49.7	
2-3 AM	566	0.0	3000	566	0	0.36	0	70.0	58.4	49.7	
3-4 AM	708	0.0	3000	708	0	0.36	0	69.9	58.4	49.7	
4-5 AM	1852	0.0	2999	1852	0	0.34	0	68.4	57.8	49.7	
5-6 AM	4061	0.0	2999	4061	0	6.56+	428	63.1	17.0	37.3	
6-7 AM	5101	0.0	2999	2904	2197	17.28+	946	56.0	10.0	37.3	
7-8 AM	4765	0.0	3000	2990	1775	17.54+	952	58.3	10.0	37.3	
8-9 AM	4243	0.0	2999	2944	1299	17.10+	916	61.9	10.1	37.3	
9-10 AM	3909	0.0	3000	2998	912	16.81+	893	64.1	10.2	37.3	
10-11 AM	3930	0.0	2999	2999	931	16.80+	893	64.0	10.2	37.3	
11AM-NOON	3999	0.0	2999	3000	1000	16.79+	894	63.5	10.2	37.3	
NOON-1PM	4085	0.0	3000	3002	1083	16.78+	895	63.0	10.2	37.3	
1-2 PM	4237	0.0	2999	3017	1220	16.94+	907	61.9	10.2	37.3	
2-3 PM	4397	0.0	3000	3015	1382	17.20+	925	60.8	10.1	37.3	
3-4 PM	4347	0.0	3000	2994	1352	17.16+	921	61.2	10.1	37.3	
4-5 PM	4486	0.0	2999	3011	1475	17.35+	935	60.2	10.1	37.3	
5-6 PM	4097	0.0	3000	2969	1128	16.91+	902	62.8	10.2	37.3	
6-7 PM	3677	0.0	2999	2995	682	16.84+	891	65.8	10.2	37.3	
7-8 PM	3081	0.0	3000	2983	98	16.77+	884	66.9	10.2	37.3	
8-9 PM	3124	0.0	2999	3003	121	16.80+	886	66.9	10.2	37.3	
9-10 PM	3220	0.0	3000	3002	218	16.81+	886	66.8	10.2	37.3	
10-11 PM	2362	0.0	2999	2362	0	11.34+	619	67.8	12.3	39.7	
11PM-MID	1493	0.0	3000	1493	0	0.56	23	68.9	52.8	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	0.0257
MAIN ROUTE WITH WORKS	0.0161
'DIVERSION'	0.0131

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$260,860
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

