

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) NIGHTTIME 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	1588	0.0	1499	1588	0	1.96	27	68.7	33.2	30.8	
1-2 AM	1452	0.0	1499	1452	0	4.27	85	68.9	20.6	31.1	
2-3 AM	935	0.0	1500	935	0	0.63	1	69.6	51.5	41.9	
3-4 AM	529	0.0	1500	529	0	0.54	0	70.0	54.0	43.4	
4-5 AM	562	0.0	1500	562	0	0.54	0	70.0	53.8	43.3	
5-6 AM	899	0.0	1500	899	0	0.58	0	69.6	52.8	42.0	
6-7 AM	1228	0.0	1499	1228	0	0.74	0	69.2	49.2	37.8	
7-8 AM	1708	0.0	1499	1708	0	2.90	66	68.6	26.6	30.8	
8-9 AM	2419	0.0	1500	1789	630	15.76+	390	67.8	7.9	31.2	
9-10 AM	3423	0.0	OFF	3423	0	0.55	47	66.5	51.5	51.5	
10-11 AM	4116	0.0	OFF	4116	0	0.00	0	62.7	62.7	62.7	
11AM-NOON	4611	0.0	OFF	4611	0	0.00	0	59.4	59.4	59.4	
NOON-1PM	4316	0.0	OFF	4316	0	0.00	0	61.4	61.4	61.4	
1-2 PM	4275	0.0	OFF	4275	0	0.00	0	61.7	61.7	61.7	
2-3 PM	4246	0.0	OFF	4246	0	0.00	0	61.9	61.9	61.9	
3-4 PM	4065	0.0	OFF	4065	0	0.00	0	63.1	63.1	63.1	
4-5 PM	3845	0.0	OFF	3845	0	0.00	0	64.6	64.6	64.6	
5-6 PM	3195	0.0	OFF	3195	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2940	0.0	OFF	2940	0	0.00	0	67.1	67.1	67.1	
7-8 PM	2513	0.0	1499	1902	612	13.61+	336	67.6	8.6	32.4	
8-9 PM	2194	0.0	1499	1501	694	16.76+	410	68.0	7.6	30.8	
9-10 PM	1795	0.0	1500	1501	294	16.76+	410	68.5	7.6	30.8	
10-11 PM	1332	0.0	1500	1332	0	14.17+	346	69.1	8.4	30.8	
11PM-MID	911	0.0	1500	911	0	1.31	44	69.6	40.4	41.7	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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

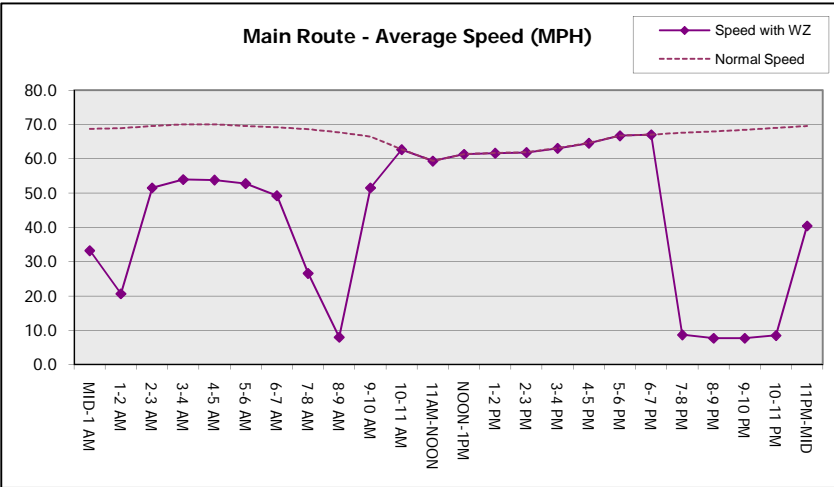
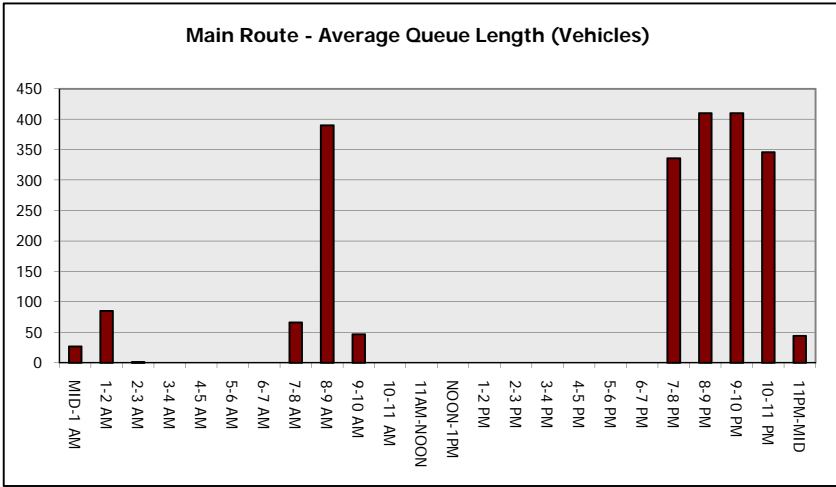
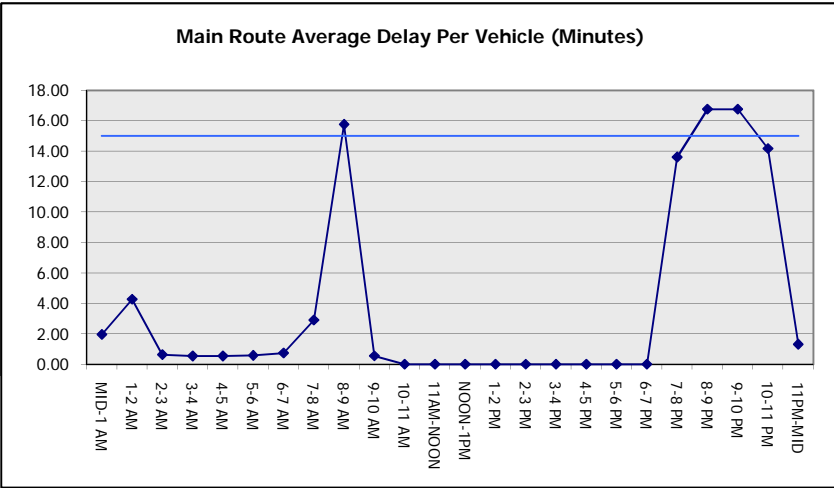
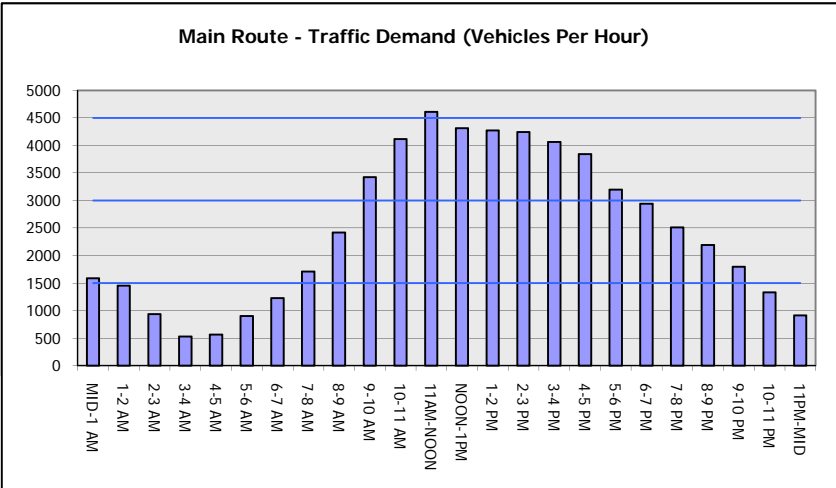
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0198
MAIN ROUTE WITH WORKS	0.0178
'DIVERSION'	0.0017
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$43,873
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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NIGHTTIME 2 LANE CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	998	0.0	1500	998	0	0.59	0	69.5	52.5	41.7	
1-2 AM	799	0.0	1500	799	0	0.57	0	69.7	53.1	42.4	
2-3 AM	641	0.0	1500	641	0	0.55	0	69.9	53.6	43.0	
3-4 AM	554	0.0	1500	554	0	0.54	0	70.0	53.9	43.3	
4-5 AM	593	0.0	1500	593	0	0.54	0	70.0	53.8	43.2	
5-6 AM	917	0.0	1499	917	0	0.58	0	69.6	52.7	42.0	
6-7 AM	1429	0.0	1499	1429	0	1.18	6	68.9	41.9	33.1	
7-8 AM	1928	0.0	1500	1928	0	7.67	213	68.3	13.6	30.8	
8-9 AM	2342	0.0	1499	1495	847	16.77+	411	67.8	7.6	30.8	
9-10 AM	2708	0.0	OFF	2708	0	0.33	30	67.4	57.4	57.4	
10-11 AM	3063	0.0	OFF	3063	0	0.00	0	66.9	66.9	66.9	
11AM-NOON	3307	0.0	OFF	3307	0	0.00	0	66.6	66.6	66.6	
NOON-1PM	3578	0.0	OFF	3578	0	0.00	0	66.3	66.3	66.3	
1-2 PM	3431	0.0	OFF	3431	0	0.00	0	66.4	66.4	66.4	
2-3 PM	3402	0.0	OFF	3402	0	0.00	0	66.5	66.5	66.5	
3-4 PM	3772	0.0	OFF	3772	0	0.00	0	65.1	65.1	65.1	
4-5 PM	3548	0.0	OFF	3548	0	0.00	0	66.3	66.3	66.3	
5-6 PM	3189	0.0	OFF	3189	0	0.00	0	66.8	66.8	66.8	
6-7 PM	2917	0.0	OFF	2917	0	0.00	0	67.1	67.1	67.1	
7-8 PM	2752	0.0	1499	1736	1016	14.46+	362	67.3	8.4	35.5	
8-9 PM	2298	0.0	1499	1705	593	16.05+	394	67.9	7.8	30.8	
9-10 PM	1888	0.0	1499	1494	393	16.75+	410	68.4	7.6	30.8	
10-11 PM	1341	0.0	1499	1298	44	14.37+	352	69.1	8.4	30.8	
11PM-MID	830	0.0	1500	830	0	1.28	43	69.7	40.9	42.0	

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0175
MAIN ROUTE WITH WORKS	0.0154
'DIVERSION'	0.0022

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,293
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

