

IH 94: USH 41 AND IH 43 (MILWAUKEE COUNTY) NIGHTTIME 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	3000	1588	0	0.34	0	68.7	57.9	49.7
1-2 AM	1452	0.0	3000	1452	0	0.34	0	68.9	58.0	49.7
2-3 AM	935	0.0	3000	935	0	0.35	0	69.6	58.2	49.7
3-4 AM	529	0.0	3000	529	0	0.36	0	70.0	58.4	49.7
4-5 AM	562	0.0	3000	562	0	0.36	0	70.0	58.4	49.7
5-6 AM	899	0.0	3000	899	0	0.35	0	69.6	58.2	49.7
6-7 AM	1228	0.0	3000	1228	0	0.35	0	69.2	58.1	49.7
7-8 AM	1708	0.0	3000	1708	0	0.34	0	68.6	57.9	49.7
8-9 AM	2419	0.0	2999	2419	0	0.41	0	67.8	55.6	46.8
9-10 AM	3423	0.0	OFF	3423	0	0.00	0	66.5	66.5	66.5
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	3000	2513	0	0.41	0	67.6	55.4	46.5
8-9 PM	2194	0.0	3000	2194	0	0.33	0	68.0	57.7	49.7
9-10 PM	1795	0.0	3000	1795	0	0.34	0	68.5	57.9	49.7
10-11 PM	1332	0.0	3000	1332	0	0.35	0	69.1	58.1	49.7
11PM-MID	911	0.0	3000	911	0	0.35	0	69.6	58.2	49.7

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

----- 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

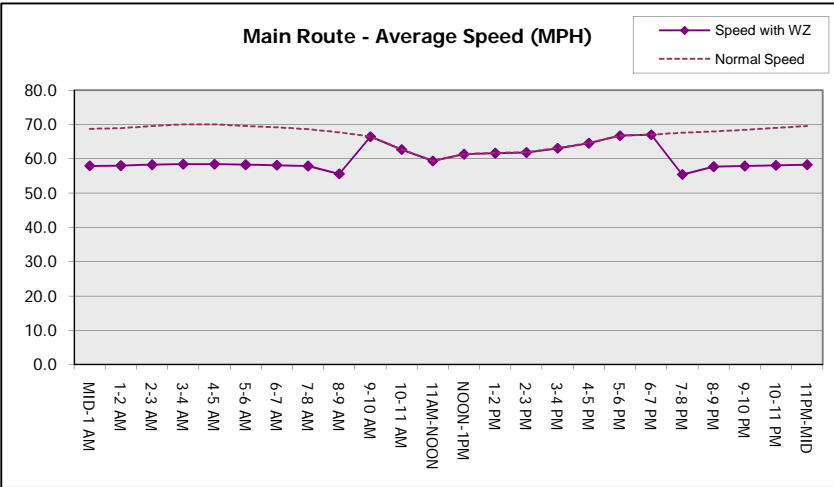
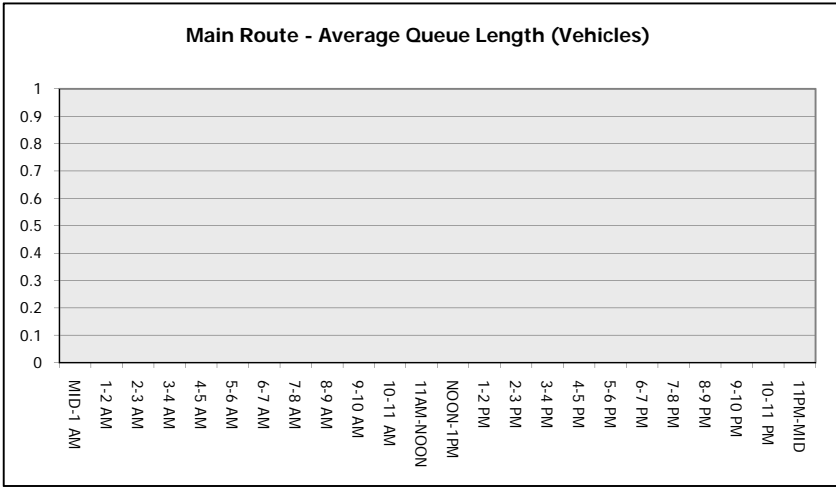
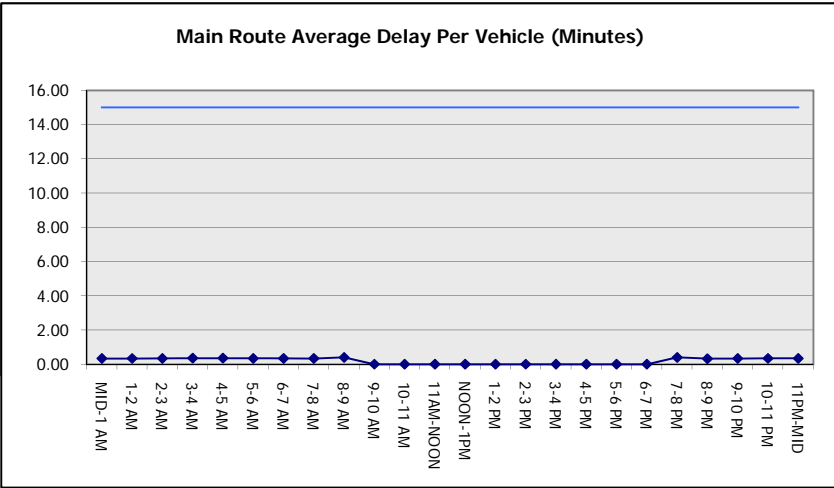
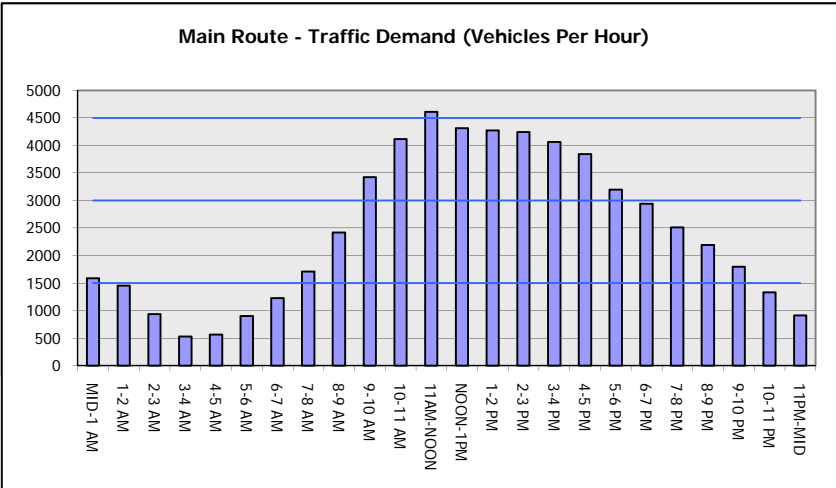
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0198
MAIN ROUTE WITH WORKS	0.0184
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,625
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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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	3000	998	0	0.35	0	69.5	58.2	49.7
1-2 AM	799	0.0	3000	799	0	0.35	0	69.7	58.3	49.7
2-3 AM	641	0.0	3000	641	0	0.36	0	69.9	58.4	49.7
3-4 AM	554	0.0	3000	554	0	0.36	0	70.0	58.4	49.7
4-5 AM	593	0.0	3000	593	0	0.36	0	70.0	58.4	49.7
5-6 AM	917	0.0	3000	917	0	0.35	0	69.6	58.2	49.7
6-7 AM	1429	0.0	3000	1429	0	0.34	0	68.9	58.0	49.7
7-8 AM	1928	0.0	3000	1928	0	0.34	0	68.3	57.8	49.7
8-9 AM	2342	0.0	3000	2342	0	0.33	0	67.8	57.6	49.7
9-10 AM	2708	0.0	OFF	2708	0	0.00	0	67.4	67.4	67.4
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	3000	2752	0	0.57	0	67.3	51.7	41.4
8-9 PM	2298	0.0	3000	2298	0	0.33	0	67.9	57.6	49.7
9-10 PM	1888	0.0	3000	1888	0	0.34	0	68.4	57.8	49.7
10-11 PM	1341	0.0	3000	1341	0	0.35	0	69.1	58.1	49.7
11PM-MID	830	0.0	3000	830	0	0.35	0	69.7	58.3	49.7

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0162
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,629
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

