

**IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)
NIGHTTIME CLOSURE
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

AUGUST
Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT
SATURDAY 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	1318	0.0	3000	1318	0	0.17	0	69.1	57.5	49.7	
1-2 AM	1047	0.0	3000	1047	0	0.18	0	69.4	57.6	49.7	
2-3 AM	786	0.0	3000	786	0	0.18	0	69.7	57.8	49.7	
3-4 AM	368	0.0	3000	368	0	0.18	0	70.2	57.9	49.7	
4-5 AM	351	0.0	3000	351	0	0.18	0	70.2	57.9	49.7	
5-6 AM	625	0.0	3000	625	0	0.18	0	69.9	57.8	49.7	
6-7 AM	1057	0.0	3000	1057	0	0.18	0	69.4	57.6	49.7	
7-8 AM	1525	0.0	3000	1525	0	0.17	0	68.8	57.4	49.7	
8-9 AM	1891	0.0	OFF	1891	0	0.00	0	68.4	68.4	68.4	
9-10 AM	2359	0.0	OFF	2359	0	0.00	0	67.8	67.8	67.8	
10-11 AM	2721	0.0	OFF	2721	0	0.00	0	67.4	67.4	67.4	
11AM-NOON	3083	0.0	OFF	3083	0	0.00	0	66.9	66.9	66.9	
NOON-1PM	2949	0.0	OFF	2949	0	0.00	0	67.1	67.1	67.1	
1-2 PM	2949	0.0	OFF	2949	0	0.00	0	67.1	67.1	67.1	
2-3 PM	3133	0.0	OFF	3133	0	0.00	0	66.8	66.8	66.8	
3-4 PM	2982	0.0	OFF	2982	0	0.00	0	67.0	67.0	67.0	
4-5 PM	2876	0.0	OFF	2876	0	0.00	0	67.1	67.1	67.1	
5-6 PM	2347	0.0	OFF	2347	0	0.00	0	67.8	67.8	67.8	
6-7 PM	2058	0.0	3000	2058	0	0.17	0	68.2	57.2	49.7	
7-8 PM	1939	0.0	3000	1939	0	0.17	0	68.3	57.3	49.7	
8-9 PM	2150	0.0	3000	2150	0	0.17	0	68.1	57.1	49.7	
9-10 PM	2468	0.0	3000	2468	0	0.19	0	67.7	55.6	47.6	
10-11 PM	2395	0.0	3000	2395	0	0.17	0	67.8	56.9	49.5	
11PM-MID	2393	0.0	3000	2393	0	0.17	0	67.8	56.9	49.5	

"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

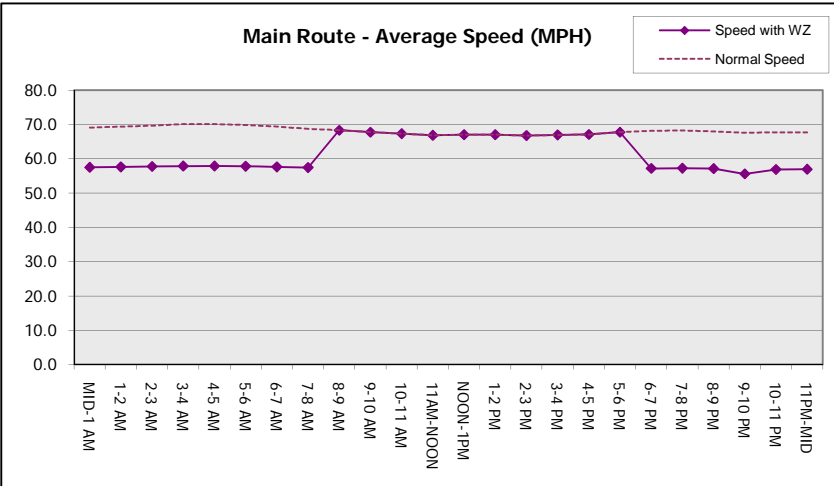
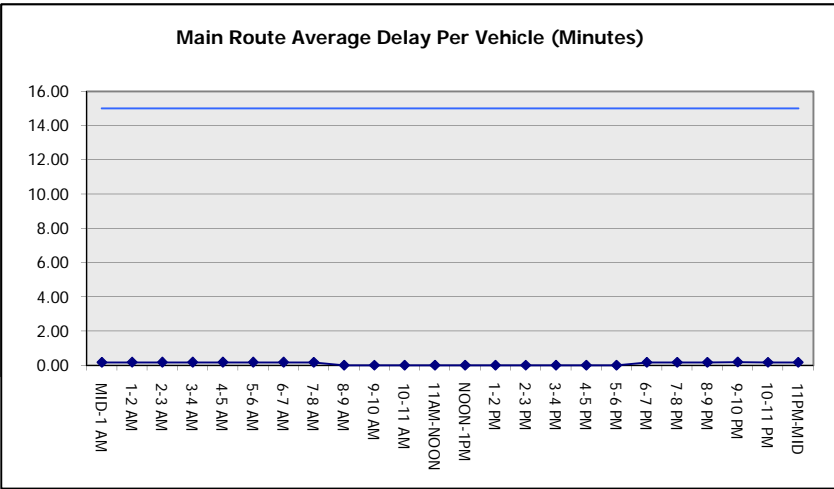
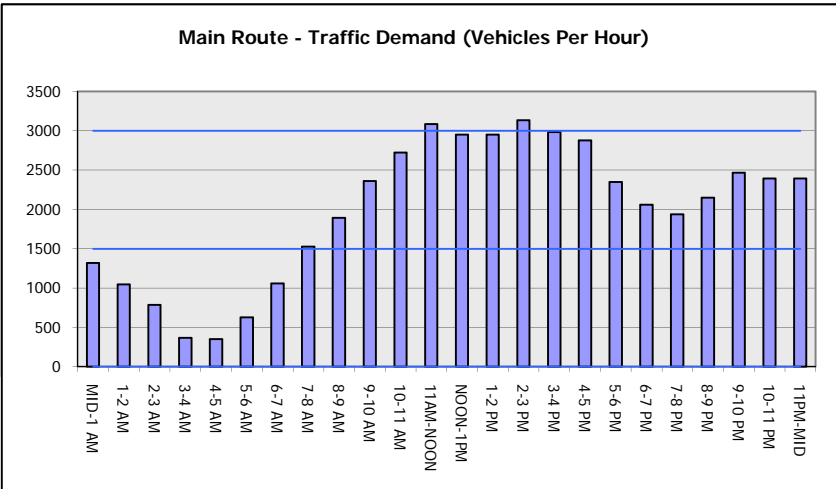
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0076
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,005
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	771	0.0	3000	771	0	0.18	0	69.8	57.8	49.7
1-2 AM	446	0.0	3000	446	0	0.18	0	70.2	57.9	49.7
2-3 AM	379	0.0	3000	379	0	0.18	0	70.2	57.9	49.7
3-4 AM	344	0.0	3000	344	0	0.18	0	70.2	57.9	49.7
4-5 AM	440	0.0	3000	440	0	0.18	0	70.2	57.9	49.7
5-6 AM	773	0.0	3000	773	0	0.18	0	69.8	57.8	49.7
6-7 AM	1183	0.0	3000	1183	0	0.18	0	69.2	57.6	49.7
7-8 AM	1554	0.0	3000	1554	0	0.17	0	68.8	57.4	49.7
8-9 AM	2051	0.0	OFF	2051	0	0.00	0	68.2	68.2	68.2
9-10 AM	2357	0.0	OFF	2357	0	0.00	0	67.8	67.8	67.8
10-11 AM	2601	0.0	OFF	2601	0	0.00	0	67.5	67.5	67.5
11AM-NOON	3056	0.0	OFF	3056	0	0.00	0	66.9	66.9	66.9
NOON-1PM	3054	0.0	OFF	3054	0	0.00	0	66.9	66.9	66.9
1-2 PM	3137	0.0	OFF	3137	0	0.00	0	66.8	66.8	66.8
2-3 PM	3259	0.0	OFF	3259	0	0.00	0	66.7	66.7	66.7
3-4 PM	3237	0.0	OFF	3237	0	0.00	0	66.7	66.7	66.7
4-5 PM	3349	0.0	OFF	3349	0	0.00	0	66.6	66.6	66.6
5-6 PM	3583	0.0	OFF	3583	0	0.00	0	66.3	66.3	66.3
6-7 PM	3272	0.0	2999	3272	0	3.03	162	66.7	16.6	37.3
7-8 PM	2732	0.0	2999	2732	0	2.85	158	67.3	17.5	38.8
8-9 PM	2622	0.0	3000	2622	0	0.24	0	67.5	52.9	44.0
9-10 PM	2614	0.0	3000	2614	0	0.24	0	67.5	53.1	44.2
10-11 PM	2368	0.0	3000	2368	0	0.17	0	67.8	57.1	49.7
11PM-MID	1765	0.0	3000	1765	0	0.17	0	68.6	57.3	49.7

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (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	0.0081
MAIN ROUTE WITH WORKS	0.0058
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,821
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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SATURDAY EASTBOUND DIRECTION

