

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

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	889	0.0	3000	889	0	0.18	0	69.6	57.7	49.7
1-2 AM	823	0.0	3000	823	0	0.18	0	69.7	57.7	49.7
2-3 AM	449	0.0	3000	449	0	0.18	0	70.2	57.9	49.7
3-4 AM	347	0.0	3000	347	0	0.18	0	70.2	57.9	49.7
4-5 AM	569	0.0	3000	569	0	0.18	0	70.0	57.8	49.7
5-6 AM	1501	0.0	OFF	1501	0	0.00	0	68.9	68.9	68.9
6-7 AM	3326	0.0	OFF	3326	0	0.00	0	66.6	66.6	66.6
7-8 AM	4266	0.0	OFF	4266	0	0.00	0	61.7	61.7	61.7
8-9 AM	3159	0.0	OFF	3159	0	0.00	0	66.8	66.8	66.8
9-10 AM	2730	0.0	OFF	2730	0	0.00	0	67.3	67.3	67.3
10-11 AM	3037	0.0	OFF	3037	0	0.00	0	66.9	66.9	66.9
11AM-NOON	3727	0.0	OFF	3727	0	0.00	0	65.4	65.4	65.4
NOON-1PM	3812	0.0	OFF	3812	0	0.00	0	64.8	64.8	64.8
1-2 PM	3953	0.0	OFF	3953	0	0.00	0	63.8	63.8	63.8
2-3 PM	4516	0.0	OFF	4516	0	0.00	0	60.0	60.0	60.0
3-4 PM	4822	0.0	OFF	4822	0	0.00	0	57.9	57.9	57.9
4-5 PM	4886	0.0	OFF	4886	0	0.00	0	57.5	57.5	57.5
5-6 PM	3989	0.0	OFF	3989	0	0.00	0	63.6	63.6	63.6
6-7 PM	2858	0.0	OFF	2858	0	0.00	0	67.2	67.2	67.2
7-8 PM	2158	0.0	3000	2158	0	0.17	0	68.1	57.1	49.7
8-9 PM	2166	0.0	3000	2166	0	0.17	0	68.1	57.1	49.7
9-10 PM	2353	0.0	3000	2353	0	0.17	0	67.8	57.1	49.7
10-11 PM	2442	0.0	3000	2442	0	0.18	0	67.7	56.0	48.3
11PM-MID	2049	0.0	3000	2049	0	0.17	0	68.2	57.2	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

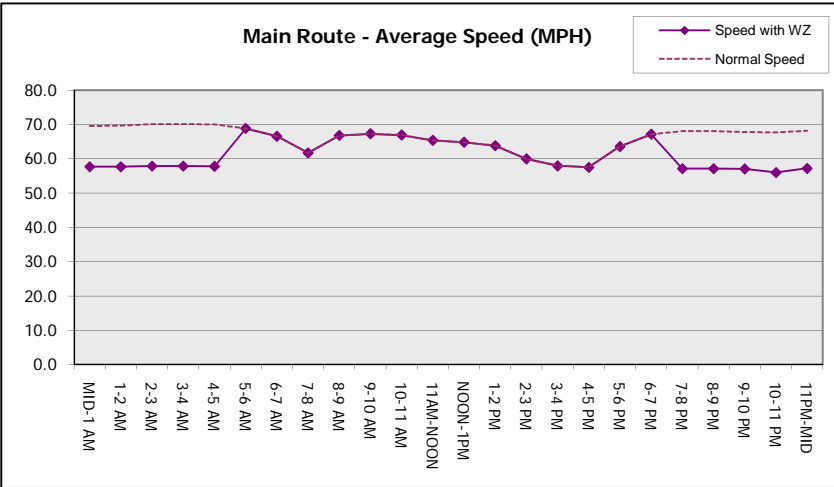
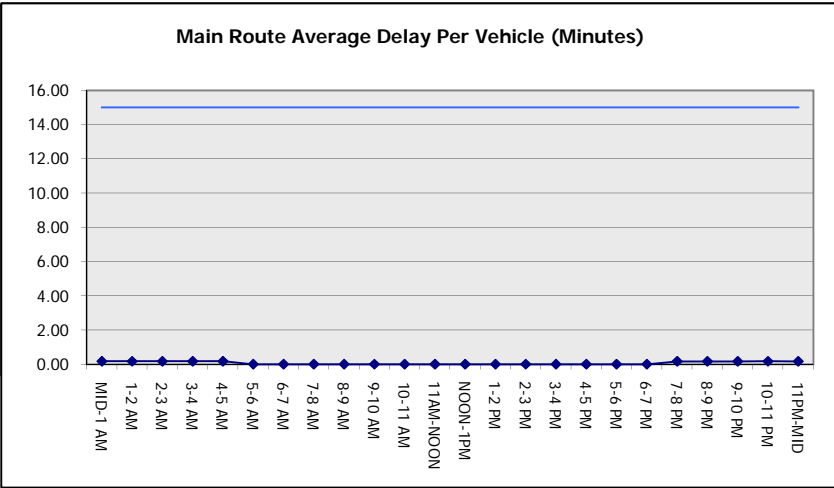
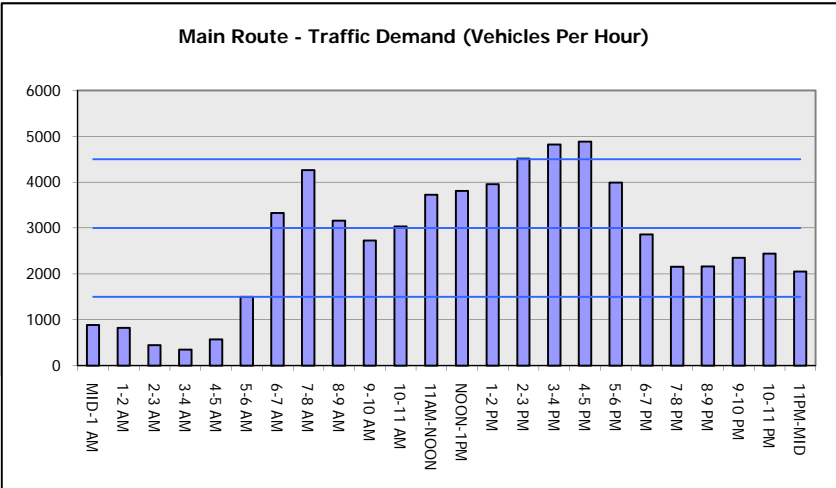
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0103
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$522
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY WESTBOUND DIRECTION



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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	637	0.0	3000	637	0	0.18	0	69.9	57.8	49.7
1-2 AM	424	0.0	3000	424	0	0.18	0	70.2	57.9	49.7
2-3 AM	307	0.0	3000	307	0	0.18	0	70.2	57.9	49.7
3-4 AM	361	0.0	3000	361	0	0.18	0	70.2	57.9	49.7
4-5 AM	832	0.0	3000	832	0	0.18	0	69.7	57.7	49.7
5-6 AM	2668	0.0	OFF	2668	0	0.00	0	67.4	67.4	67.4
6-7 AM	4733	0.0	OFF	4733	0	0.00	0	58.5	58.5	58.5
7-8 AM	5414	0.0	OFF	5414	0	0.00	0	53.8	53.8	53.8
8-9 AM	4312	0.0	OFF	4312	0	0.00	0	61.4	61.4	61.4
9-10 AM	3187	0.0	OFF	3187	0	0.00	0	66.8	66.8	66.8
10-11 AM	3078	0.0	OFF	3078	0	0.00	0	66.9	66.9	66.9
11AM-NOON	3270	0.0	OFF	3270	0	0.00	0	66.7	66.7	66.7
NOON-1PM	3292	0.0	OFF	3292	0	0.00	0	66.6	66.6	66.6
1-2 PM	3412	0.0	OFF	3412	0	0.00	0	66.5	66.5	66.5
2-3 PM	3506	0.0	OFF	3506	0	0.00	0	66.4	66.4	66.4
3-4 PM	3871	0.0	OFF	3871	0	0.00	0	64.4	64.4	64.4
4-5 PM	4148	0.0	OFF	4148	0	0.00	0	62.5	62.5	62.5
5-6 PM	3971	0.0	OFF	3971	0	0.00	0	63.7	63.7	63.7
6-7 PM	3782	0.0	OFF	3782	0	0.00	0	65.0	65.0	65.0
7-8 PM	2904	0.0	2999	2904	0	0.44	6	67.1	45.0	39.2
8-9 PM	2644	0.0	3000	2644	0	0.25	0	67.4	52.6	43.6
9-10 PM	2601	0.0	3000	2601	0	0.24	0	67.5	53.3	44.5
10-11 PM	2203	0.0	3000	2203	0	0.17	0	68.0	57.1	49.7
11PM-MID	1457	0.0	3000	1457	0	0.17	0	68.9	57.4	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	0.0107
MAIN ROUTE WITH WORKS	0.0091
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$769
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

