

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) NIGHTTIME 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	735	0.0	3000	735	0	0.18	0	69.8	57.8	49.7
1-2 AM	651	0.0	3000	651	0	0.18	0	69.9	57.8	49.7
2-3 AM	336	0.0	3000	336	0	0.18	0	70.2	57.9	49.7
3-4 AM	260	0.0	3000	260	0	0.18	0	70.2	57.9	49.7
4-5 AM	498	0.0	3000	498	0	0.18	0	70.1	57.9	49.7
5-6 AM	1554	0.0	OFF	1554	0	0.00	0	68.8	68.8	68.8
6-7 AM	3553	0.0	OFF	3553	0	0.00	0	66.3	66.3	66.3
7-8 AM	4409	0.0	OFF	4409	0	0.00	0	60.7	60.7	60.7
8-9 AM	3155	0.0	OFF	3155	0	0.00	0	66.8	66.8	66.8
9-10 AM	2740	0.0	OFF	2740	0	0.00	0	67.3	67.3	67.3
10-11 AM	3128	0.0	OFF	3128	0	0.00	0	66.8	66.8	66.8
11AM-NOON	3799	0.0	OFF	3799	0	0.00	0	64.9	64.9	64.9
NOON-1PM	3772	0.0	OFF	3772	0	0.00	0	65.1	65.1	65.1
1-2 PM	4141	0.0	OFF	4141	0	0.00	0	62.6	62.6	62.6
2-3 PM	4992	0.0	OFF	4992	0	0.00	0	56.8	56.8	56.8
3-4 PM	5165	0.0	OFF	5165	0	0.00	0	55.6	55.6	55.6
4-5 PM	4876	0.0	OFF	4876	0	0.00	0	57.6	57.6	57.6
5-6 PM	3714	0.0	OFF	3714	0	0.00	0	65.5	65.5	65.5
6-7 PM	2888	0.0	OFF	2888	0	0.00	0	67.1	67.1	67.1
7-8 PM	2161	0.0	3000	2161	0	0.17	0	68.1	57.1	49.7
8-9 PM	2004	0.0	3000	2004	0	0.17	0	68.2	57.2	49.7
9-10 PM	2125	0.0	3000	2125	0	0.17	0	68.1	57.2	49.7
10-11 PM	2027	0.0	3000	2027	0	0.17	0	68.2	57.2	49.7
11PM-MID	1527	0.0	3000	1527	0	0.17	0	68.8	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 (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	0.0102
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$437
CONGESTED HOURS PER DAY*	0

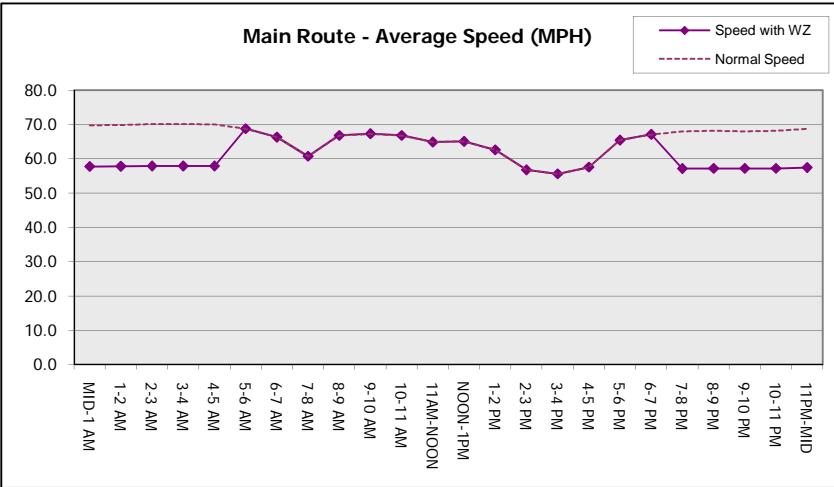
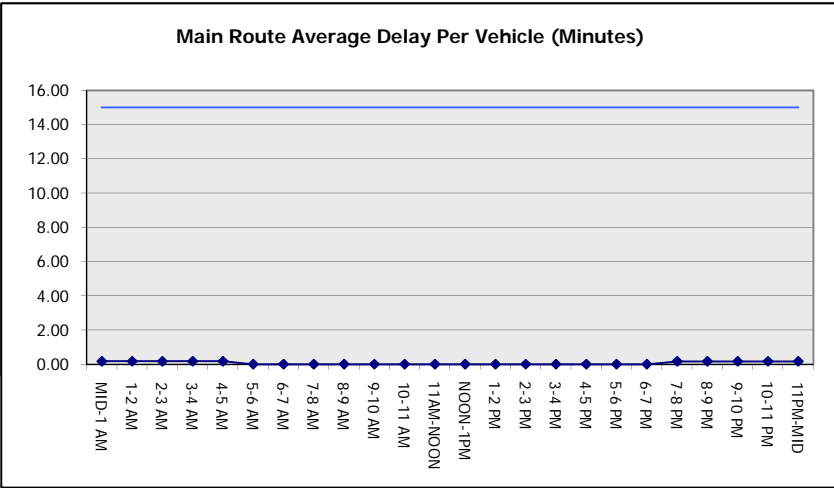
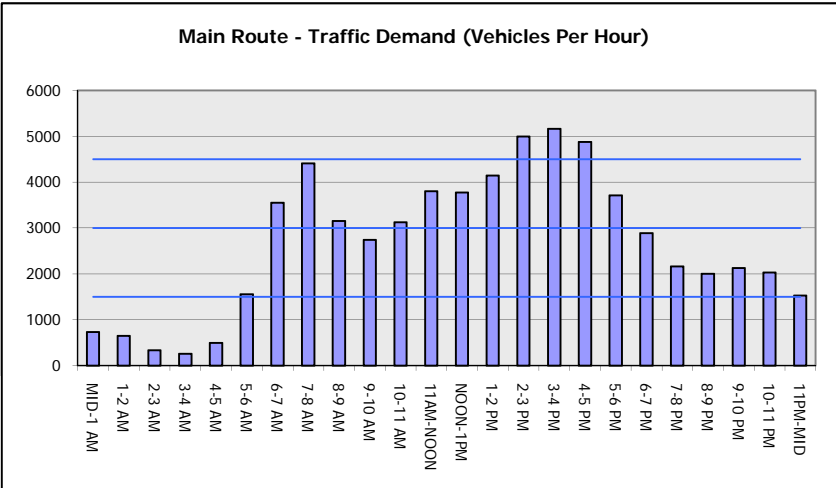
*Delays Exceeding User-Specified Maximum

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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	576	0.0	3000	576	0	0.18	0	70.0	57.8	49.7
1-2 AM	369	0.0	3000	369	0	0.18	0	70.2	57.9	49.7
2-3 AM	278	0.0	3000	278	0	0.18	0	70.2	57.9	49.7
3-4 AM	315	0.0	3000	315	0	0.18	0	70.2	57.9	49.7
4-5 AM	748	0.0	3000	748	0	0.18	0	69.8	57.8	49.7
5-6 AM	2670	0.0	OFF	2670	0	0.00	0	67.4	67.4	67.4
6-7 AM	5067	0.0	OFF	5067	0	0.00	0	56.3	56.3	56.3
7-8 AM	5118	0.0	OFF	5118	0	0.00	0	55.9	55.9	55.9
8-9 AM	4363	0.0	OFF	4363	0	0.00	0	61.0	61.0	61.0
9-10 AM	3322	0.0	OFF	3322	0	0.00	0	66.6	66.6	66.6
10-11 AM	3156	0.0	OFF	3156	0	0.00	0	66.8	66.8	66.8
11AM-NOON	3295	0.0	OFF	3295	0	0.00	0	66.6	66.6	66.6
NOON-1PM	3176	0.0	OFF	3176	0	0.00	0	66.8	66.8	66.8
1-2 PM	3346	0.0	OFF	3346	0	0.00	0	66.6	66.6	66.6
2-3 PM	3521	0.0	OFF	3521	0	0.00	0	66.4	66.4	66.4
3-4 PM	3933	0.0	OFF	3933	0	0.00	0	64.0	64.0	64.0
4-5 PM	4265	0.0	OFF	4265	0	0.00	0	61.7	61.7	61.7
5-6 PM	4245	0.0	OFF	4245	0	0.00	0	61.9	61.9	61.9
6-7 PM	3609	0.0	OFF	3609	0	0.00	0	66.2	66.2	66.2
7-8 PM	2583	0.0	3000	2583	0	0.23	0	67.5	53.6	44.9
8-9 PM	2310	0.0	3000	2310	0	0.17	0	67.9	57.1	49.7
9-10 PM	2500	0.0	3000	2500	0	0.20	0	67.6	55.0	46.8
10-11 PM	2059	0.0	3000	2059	0	0.17	0	68.2	57.2	49.7
11PM-MID	1292	0.0	3000	1292	0	0.18	0	69.1	57.5	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	0.0105
MAIN ROUTE WITH WORKS	0.0091
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$511
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

