

**IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)  
OFF-PEAK DAY 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	OFF	735	0	0.00	0	69.8	69.8	69.8	
1-2 AM	651	0.0	OFF	651	0	0.00	0	69.9	69.9	69.9	
2-3 AM	336	0.0	OFF	336	0	0.00	0	70.2	70.2	70.2	
3-4 AM	260	0.0	OFF	260	0	0.00	0	70.2	70.2	70.2	
4-5 AM	498	0.0	OFF	498	0	0.00	0	70.1	70.1	70.1	
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	2999	3128	0	0.77	32	66.8	36.0	37.3	
11AM-NOON	3799	0.0	3000	3799	0	8.89+	509	64.9	10.3	37.3	
NOON-1PM	3772	0.0	2999	2993	778	16.95+	917	65.1	8.2	37.3	
1-2 PM	4141	0.0	2999	3024	1117	17.07+	929	62.6	8.2	37.3	
2-3 PM	4992	0.0	2999	3011	1981	17.95+	993	56.8	8.1	37.3	
3-4 PM	5165	0.0	OFF	5165	0	5.53	540	55.6	9.1	9.1	
4-5 PM	4876	0.0	OFF	4876	0	0.08	6	57.6	53.3	53.3	
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	OFF	2161	0	0.00	0	68.1	68.1	68.1	
8-9 PM	2004	0.0	OFF	2004	0	0.00	0	68.2	68.2	68.2	
9-10 PM	2125	0.0	OFF	2125	0	0.00	0	68.1	68.1	68.1	
10-11 PM	2027	0.0	OFF	2027	0	0.00	0	68.2	68.2	68.2	
11PM-MID	1527	0.0	OFF	1527	0	0.00	0	68.8	68.8	68.8	

"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	0.0102
MAIN ROUTE WITH WORKS	0.0079
'DIVERSION'	0.0014

PIA: Personal Injury Accidents

**IMPACTS ON ROAD USERS**

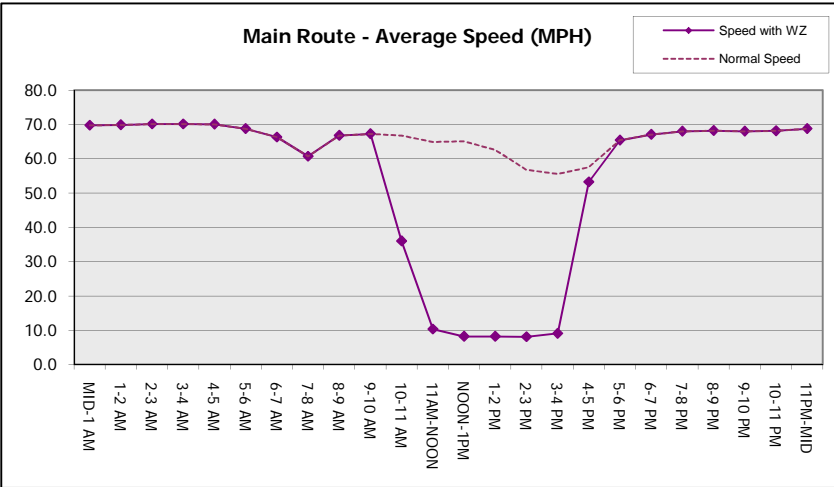
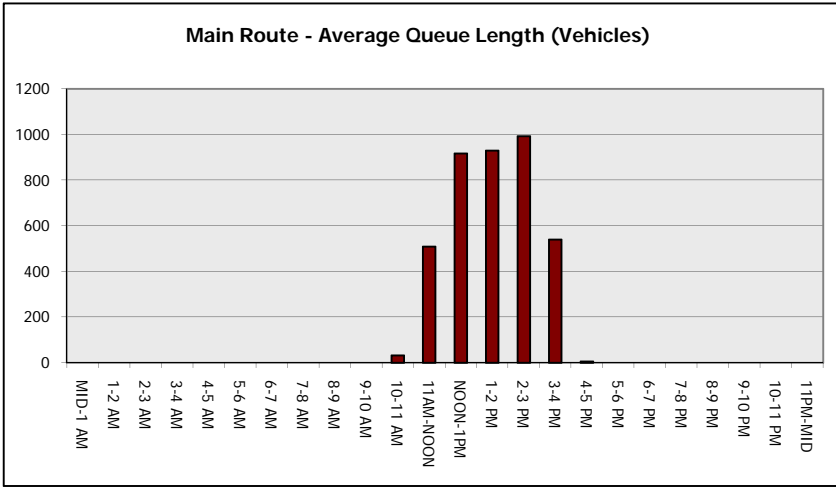
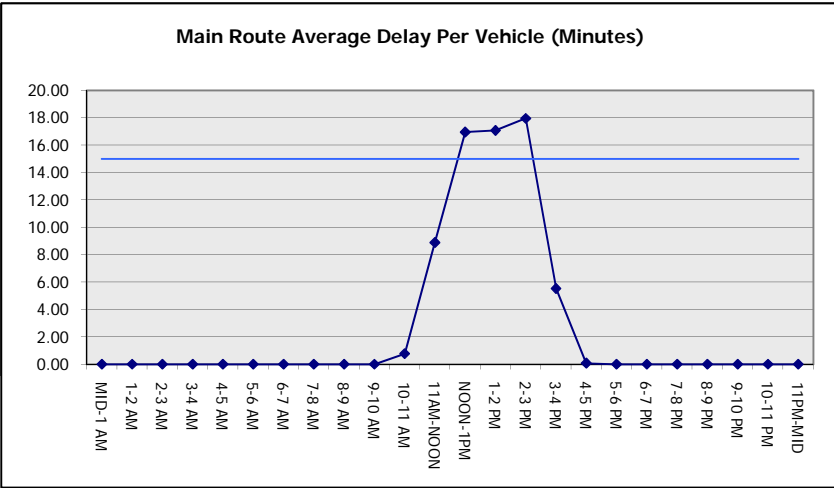
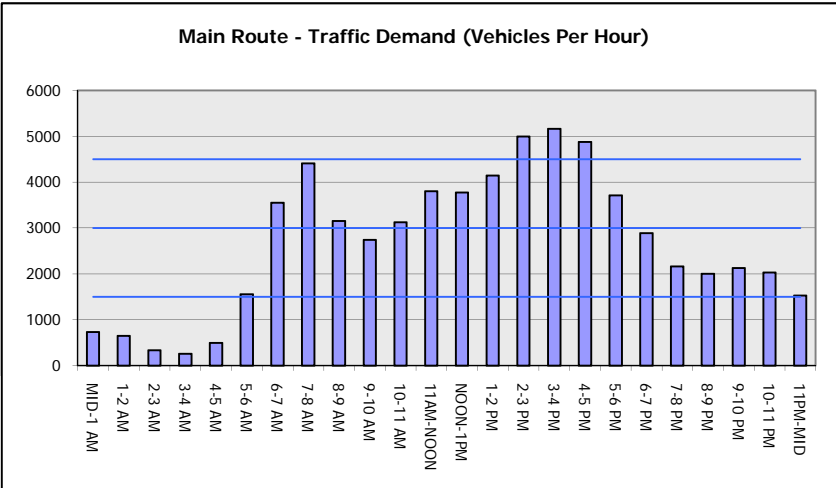
ROAD USER COSTS PER DAY	\$58,393
CONGESTED HOURS PER DAY*	4

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY WESTBOUND DIRECTION**



<b>IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**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	OFF	576	0	0.00	0	70.0	70.0	70.0
1-2 AM	369	0.0	OFF	369	0	0.00	0	70.2	70.2	70.2
2-3 AM	278	0.0	OFF	278	0	0.00	0	70.2	70.2	70.2
3-4 AM	315	0.0	OFF	315	0	0.00	0	70.2	70.2	70.2
4-5 AM	748	0.0	OFF	748	0	0.00	0	69.8	69.8	69.8
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	2999	3156	0	1.61	78	66.8	24.0	37.3
11AM-NOON	3295	0.0	3000	3295	0	5.69	302	66.6	12.0	37.3
NOON-1PM	3176	0.0	2999	3176	0	10.09	537	66.8	9.6	37.3
1-2 PM	3346	0.0	3000	3313	34	14.55+	785	66.6	8.6	37.3
2-3 PM	3521	0.0	2999	2986	535	16.94+	914	66.4	8.3	37.3
3-4 PM	3933	0.0	OFF	3933	0	2.18	207	64.0	19.3	19.3
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	OFF	2583	0	0.00	0	67.5	67.5	67.5
8-9 PM	2310	0.0	OFF	2310	0	0.00	0	67.9	67.9	67.9
9-10 PM	2500	0.0	OFF	2500	0	0.00	0	67.6	67.6	67.6
10-11 PM	2059	0.0	OFF	2059	0	0.00	0	68.2	68.2	68.2
11PM-MID	1292	0.0	OFF	1292	0	0.00	0	69.1	69.1	69.1

"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	0.0105
MAIN ROUTE WITH WORKS	0.0087
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$34,867
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY EASTBOUND DIRECTION**

