

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) NIGHTTIME 2 LANE 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	1499	735	0	1.12	84	69.8	31.4	41.8	
1-2 AM	651	0.0	1500	651	0	0.28	0	69.9	52.8	42.9	
2-3 AM	336	0.0	1500	336	0	0.26	0	70.2	53.8	44.2	
3-4 AM	260	0.0	1500	260	0	0.26	0	70.2	54.0	44.5	
4-5 AM	498	0.0	1500	498	0	0.27	0	70.1	53.3	43.5	
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	1499	1888	273	11.46+	307	68.1	6.6	30.8	
8-9 PM	2004	0.0	1500	1504	500	16.66+	421	68.2	5.4	30.8	
9-10 PM	2125	0.0	1500	1504	621	16.66+	422	68.1	5.4	30.8	
10-11 PM	2027	0.0	1500	1503	524	16.66+	421	68.2	5.4	30.8	
11PM-MID	1527	0.0	1500	1434	93	15.58+	394	68.8	5.6	30.8	

"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

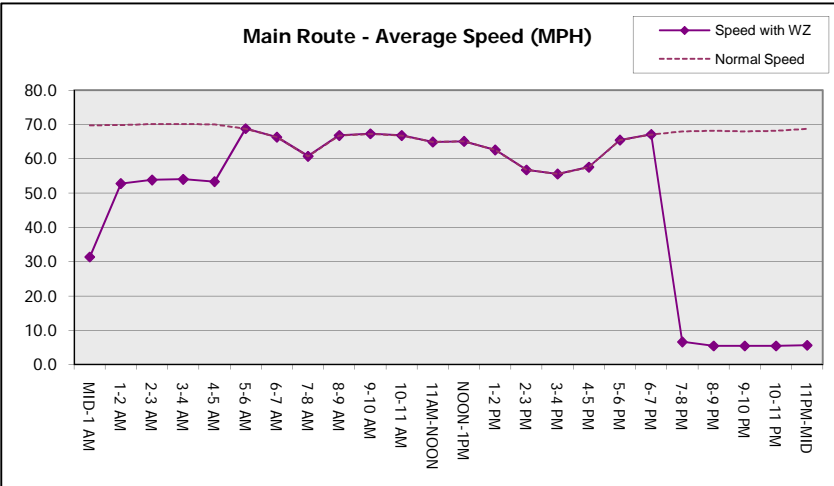
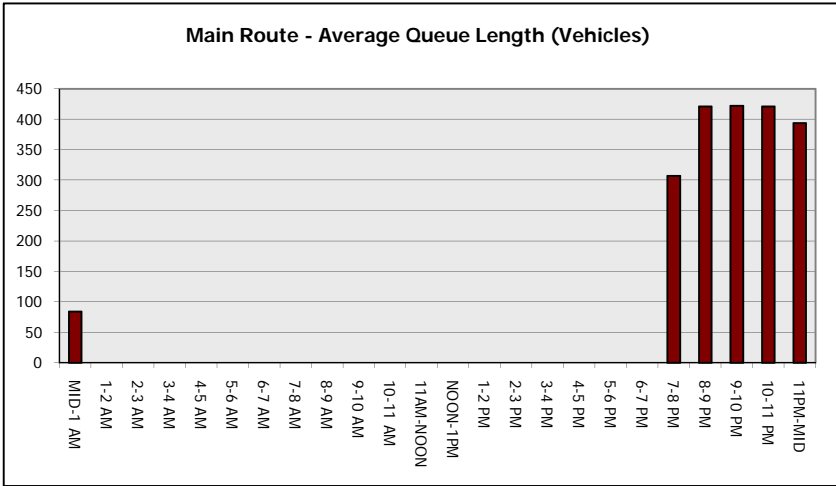
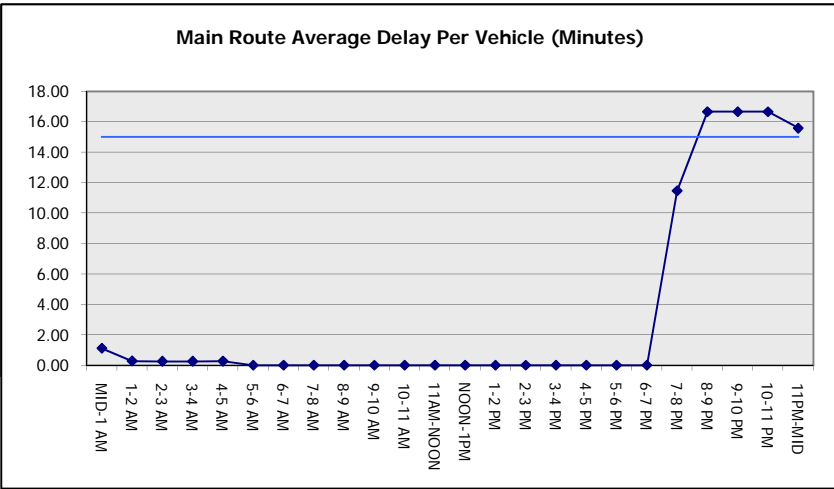
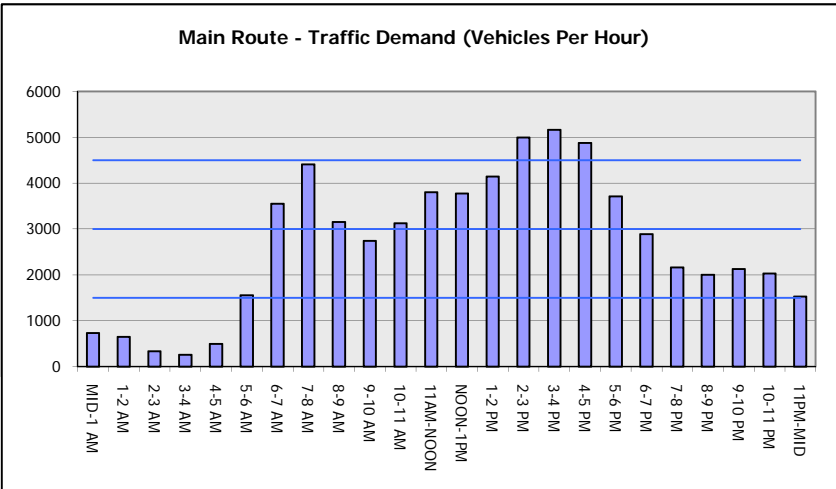
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0102
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0007
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$36,446
CONGESTED HOURS PER DAY*	5

*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	1500	576	0	0.49	21	70.0	44.5	43.1
1-2 AM	369	0.0	1500	369	0	0.26	0	70.2	53.7	44.0
2-3 AM	278	0.0	1500	278	0	0.26	0	70.2	54.0	44.4
3-4 AM	315	0.0	1500	315	0	0.26	0	70.2	53.9	44.2
4-5 AM	748	0.0	1500	748	0	0.28	0	69.8	52.5	42.6
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	1499	1827	756	14.07+	360	67.5	5.9	33.7
8-9 PM	2310	0.0	1499	1536	774	16.77+	423	67.9	5.4	31.0
9-10 PM	2500	0.0	1500	1526	974	16.77+	425	67.6	5.4	30.8
10-11 PM	2059	0.0	1500	1504	555	16.66+	421	68.2	5.4	30.8
11PM-MID	1292	0.0	1500	1292	0	13.09+	335	69.1	6.1	31.4

"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	0.0090
'DIVERSION'	0.0011

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,371
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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FRIDAY EASTBOUND DIRECTION

