

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	446	0.0	1500	446	0	0.27	0	70.2	53.5	43.7	
1-2 AM	346	0.0	1500	346	0	0.26	0	70.2	53.8	44.1	
2-3 AM	207	0.0	1500	207	0	0.25	0	70.2	54.2	44.6	
3-4 AM	221	0.0	1500	221	0	0.25	0	70.2	54.2	44.6	
4-5 AM	530	0.0	1500	530	0	0.27	0	70.0	53.2	43.4	
5-6 AM	1678	0.0	1499	1678	0	1.30	72	68.6	28.0	33.4	
6-7 AM	3726	0.0	1499	1536	2190	16.89+	431	65.4	5.4	33.9	
7-8 AM	4250	0.0	1499	1501	2750	16.94+	435	61.8	5.4	34.0	
8-9 AM	2943	0.0	1500	1553	1390	16.91+	429	67.1	5.4	31.2	
9-10 AM	2539	0.0	1500	1520	1019	16.75+	424	67.6	5.4	30.8	
10-11 AM	2787	0.0	1500	1521	1265	16.83+	427	67.3	5.4	30.8	
11AM-NOON	3238	0.0	1499	1504	1734	17.13+	435	66.7	5.3	30.8	
NOON-1PM	3297	0.0	1500	1500	1797	17.14+	435	66.6	5.3	30.8	
1-2 PM	3746	0.0	1500	1500	2246	17.11+	435	65.3	5.3	30.8	
2-3 PM	4710	0.0	1500	1500	3210	16.94+	435	58.7	5.3	30.8	
3-4 PM	5036	0.0	1499	1500	3536	16.87+	435	56.4	5.3	30.8	
4-5 PM	5142	0.0	1499	1500	3642	16.85+	435	55.7	5.3	30.8	
5-6 PM	4406	0.0	1500	1500	2906	17.00+	435	60.7	5.3	30.8	
6-7 PM	3157	0.0	1500	1503	1654	17.03+	432	66.8	5.3	30.8	
7-8 PM	2370	0.0	1500	1499	870	16.68+	422	67.8	5.4	30.8	
8-9 PM	2132	0.0	1499	1499	632	16.66+	422	68.1	5.4	30.8	
9-10 PM	1855	0.0	1500	1499	356	16.65+	421	68.4	5.4	30.8	
10-11 PM	1339	0.0	1499	1338	1	14.86+	377	69.1	5.7	30.8	
11PM-MID	791	0.0	1500	791	0	0.91	58	69.7	34.5	41.9	

+ 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

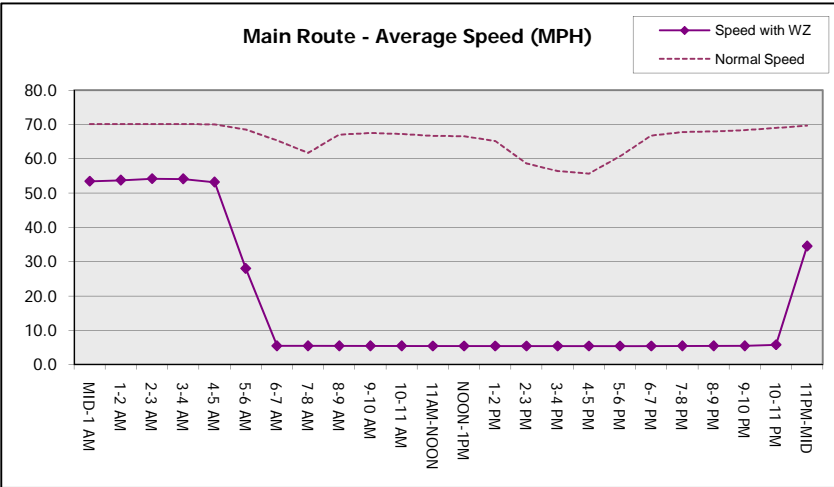
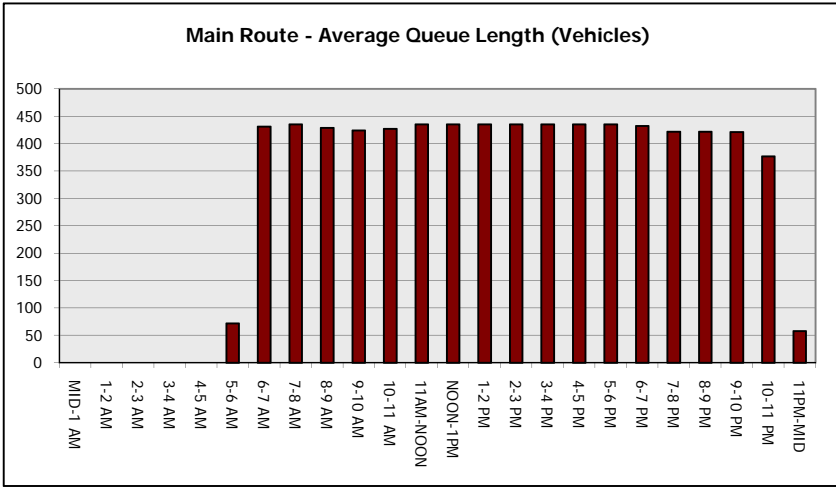
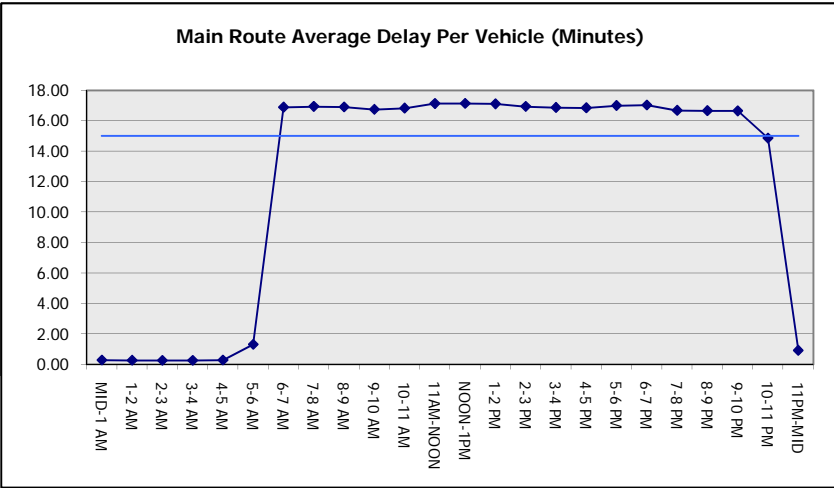
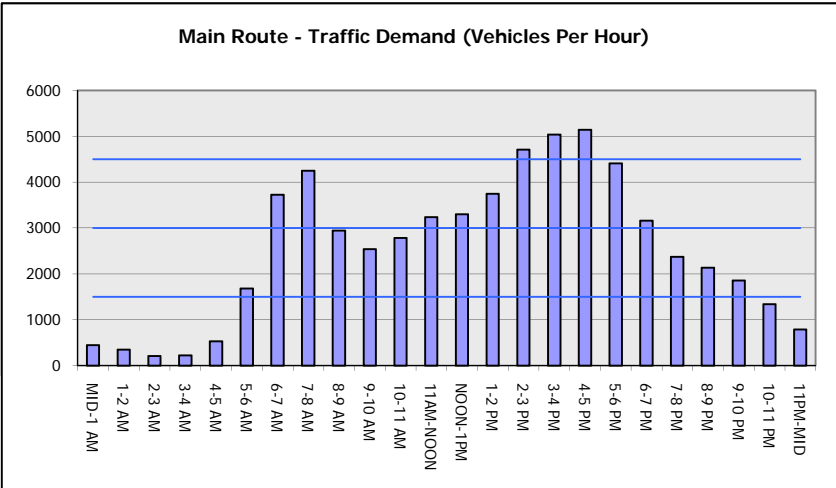
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0015
'DIVERSION'	0.0115
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$208,169
CONGESTED HOURS PER DAY*	17

*Delays Exceeding User-Specified Maximum

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Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	322	0.0	1500	322	0	0.26	0	70.2	53.8	44.2
1-2 AM	208	0.0	1500	208	0	0.25	0	70.2	54.2	44.6
2-3 AM	172	0.0	1500	172	0	0.25	0	70.2	54.3	44.8
3-4 AM	233	0.0	1500	233	0	0.25	0	70.2	54.2	44.5
4-5 AM	761	0.0	1500	761	0	0.28	0	69.8	52.5	42.5
5-6 AM	2858	0.0	1499	1919	939	12.10+	322	67.2	6.4	30.8
6-7 AM	4918	0.0	1500	1500	3418	16.90+	435	57.3	5.3	30.8
7-8 AM	5034	0.0	1500	1500	3534	16.87+	435	56.4	5.3	30.8
8-9 AM	4455	0.0	1500	1500	2955	16.99+	435	60.4	5.3	30.8
9-10 AM	3218	0.0	1500	1507	1710	17.08+	433	66.8	5.3	30.8
10-11 AM	2944	0.0	1500	1503	1441	16.96+	430	67.1	5.4	30.8
11AM-NOON	3153	0.0	1499	1503	1650	17.13+	435	66.8	5.3	30.8
NOON-1PM	3148	0.0	1500	1502	1646	17.14+	435	66.8	5.3	30.8
1-2 PM	3091	0.0	1500	1500	1591	17.09+	434	66.9	5.3	30.8
2-3 PM	3252	0.0	1499	1500	1752	17.15+	435	66.7	5.3	30.8
3-4 PM	3563	0.0	1500	1500	2063	17.14+	435	66.3	5.3	30.8
4-5 PM	4090	0.0	1500	1500	2590	17.06+	435	62.9	5.3	30.8
5-6 PM	4057	0.0	1500	1500	2557	17.06+	435	63.2	5.3	30.8
6-7 PM	3075	0.0	1500	1497	1578	17.02+	432	66.9	5.3	30.8
7-8 PM	2321	0.0	1500	1499	822	16.67+	422	67.9	5.4	30.8
8-9 PM	2111	0.0	1499	1499	612	16.66+	422	68.1	5.4	30.8
9-10 PM	1826	0.0	1500	1499	327	16.65+	421	68.4	5.4	30.8
10-11 PM	1241	0.0	1499	1241	0	12.93+	333	69.2	6.1	31.7
11PM-MID	702	0.0	1500	702	0	0.52	20	69.9	43.6	42.7

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0015
'DIVERSION'	0.0115

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$211,172
CONGESTED HOURS PER DAY*	18

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

