

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	1121	0.0	OFF	1121	0	0.00	0	69.4	69.4	69.4
1-2 AM	1215	0.0	OFF	1215	0	0.00	0	69.2	69.2	69.2
2-3 AM	731	0.0	OFF	731	0	0.00	0	69.8	69.8	69.8
3-4 AM	300	0.0	OFF	300	0	0.00	0	70.2	70.2	70.2
4-5 AM	230	0.0	OFF	230	0	0.00	0	70.2	70.2	70.2
5-6 AM	391	0.0	OFF	391	0	0.00	0	70.2	70.2	70.2
6-7 AM	617	0.0	OFF	617	0	0.00	0	70.0	70.0	70.0
7-8 AM	885	0.0	OFF	885	0	0.00	0	69.6	69.6	69.6
8-9 AM	1279	0.0	OFF	1279	0	0.00	0	69.1	69.1	69.1
9-10 AM	1876	0.0	1499	1876	0	4.79	152	68.4	11.8	30.8
10-11 AM	2436	0.0	1499	1517	919	16.73+	424	67.7	5.4	30.8
11AM-NOON	2872	0.0	1500	1528	1344	16.88+	428	67.2	5.4	30.8
NOON-1PM	2693	0.0	1500	1503	1190	16.75+	424	67.4	5.4	30.8
1-2 PM	2653	0.0	1500	1500	1153	16.72+	423	67.4	5.4	30.8
2-3 PM	2778	0.0	1499	1502	1276	16.82+	426	67.3	5.4	30.8
3-4 PM	2860	0.0	1499	1502	1359	16.89+	428	67.2	5.4	30.8
4-5 PM	2508	0.0	1500	1498	1010	16.69+	423	67.6	5.4	30.8
5-6 PM	1933	0.0	1500	1499	433	16.65+	421	68.3	5.4	30.8
6-7 PM	1843	0.0	1499	1499	344	16.65+	421	68.4	5.4	30.8
7-8 PM	1503	0.0	OFF	1503	0	0.21	20	68.9	55.6	55.6
8-9 PM	1404	0.0	OFF	1404	0	0.00	0	69.0	69.0	69.0
9-10 PM	1187	0.0	OFF	1187	0	0.00	0	69.2	69.2	69.2
10-11 PM	835	0.0	OFF	835	0	0.00	0	69.7	69.7	69.7
11PM-MID	552	0.0	OFF	552	0	0.00	0	70.0	70.0	70.0

"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	0.0058
MAIN ROUTE WITH WORKS	0.0027
'DIVERSION'	0.0033
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$107,980
CONGESTED HOURS PER DAY*	9

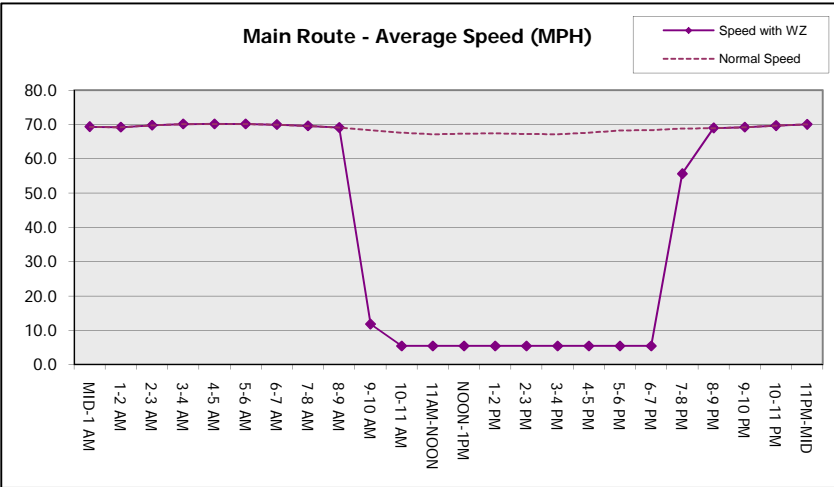
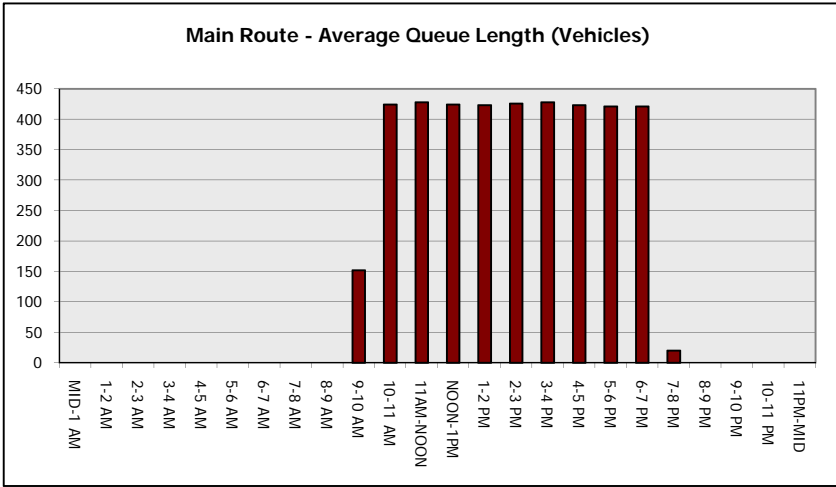
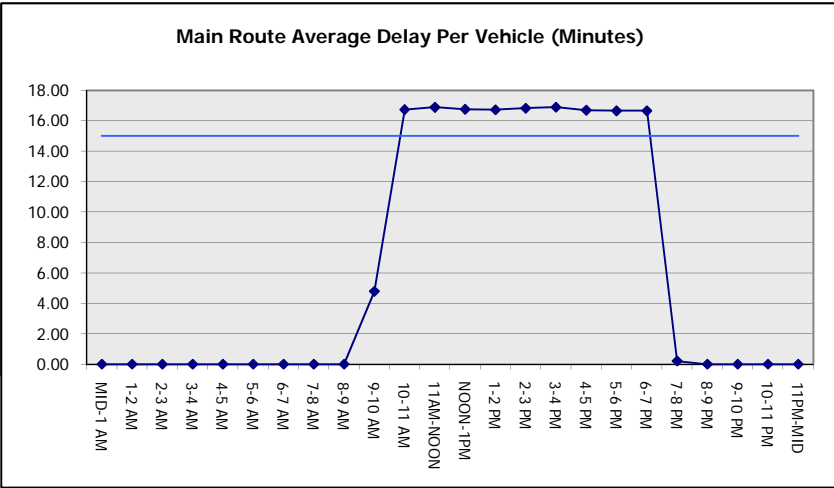
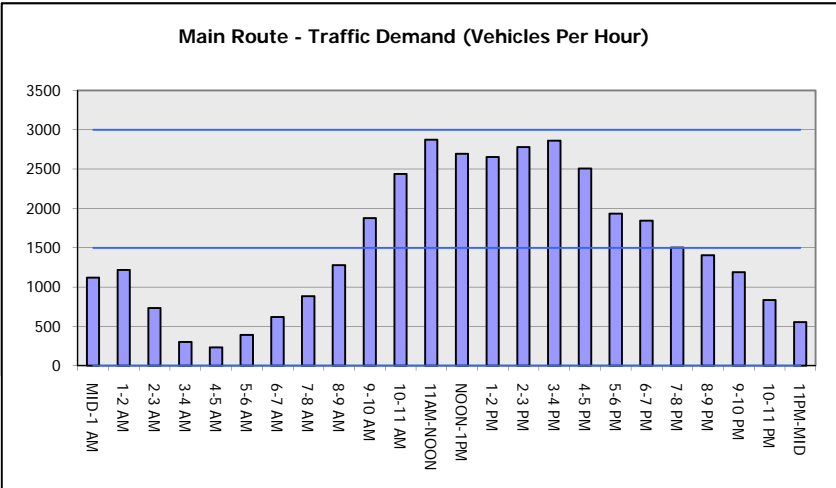
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	681	0.0	OFF	681	0	0.00	0	69.9	69.9	69.9
1-2 AM	455	0.0	OFF	455	0	0.00	0	70.2	70.2	70.2
2-3 AM	313	0.0	OFF	313	0	0.00	0	70.2	70.2	70.2
3-4 AM	214	0.0	OFF	214	0	0.00	0	70.2	70.2	70.2
4-5 AM	249	0.0	OFF	249	0	0.00	0	70.2	70.2	70.2
5-6 AM	433	0.0	OFF	433	0	0.00	0	70.2	70.2	70.2
6-7 AM	626	0.0	OFF	626	0	0.00	0	69.9	69.9	69.9
7-8 AM	970	0.0	OFF	970	0	0.00	0	69.6	69.6	69.6
8-9 AM	1551	0.0	OFF	1551	0	0.00	0	68.8	68.8	68.8
9-10 AM	1756	0.0	1499	1756	0	3.46	103	68.6	14.5	30.8
10-11 AM	2324	0.0	1499	1705	619	15.92+	404	67.9	5.5	30.8
11AM-NOON	2793	0.0	1499	1476	1317	16.88+	428	67.3	5.4	30.8
NOON-1PM	2987	0.0	1499	1496	1491	17.01+	431	67.0	5.3	30.8
1-2 PM	2836	0.0	1500	1496	1340	16.88+	428	67.2	5.4	30.8
2-3 PM	2726	0.0	1499	1497	1229	16.78+	425	67.3	5.4	30.8
3-4 PM	2673	0.0	1499	1499	1174	16.74+	424	67.4	5.4	30.8
4-5 PM	2672	0.0	1499	1500	1172	16.73+	424	67.4	5.4	30.8
5-6 PM	2709	0.0	1499	1500	1209	16.76+	425	67.4	5.4	30.8
6-7 PM	2399	0.0	1500	1500	899	16.68+	422	67.8	5.4	30.8
7-8 PM	2007	0.0	OFF	2007	0	0.23	22	68.2	54.0	54.0
8-9 PM	1786	0.0	OFF	1786	0	0.00	0	68.5	68.5	68.5
9-10 PM	1527	0.0	OFF	1527	0	0.00	0	68.8	68.8	68.8
10-11 PM	1018	0.0	OFF	1018	0	0.00	0	69.5	69.5	69.5
11PM-MID	585	0.0	OFF	585	0	0.00	0	70.0	70.0	70.0

"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	0.0061
MAIN ROUTE WITH WORKS	0.0028
'DIVERSION'	0.0039

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$114,165
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

