

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) OFF-PEAK DAY 2 LANE CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	1545	0.0	OFF	1545	0	0.00	0	68.8	68.8	68.8	
1-2 AM	1261	0.0	OFF	1261	0	0.00	0	69.2	69.2	69.2	
2-3 AM	967	0.0	OFF	967	0	0.00	0	69.6	69.6	69.6	
3-4 AM	392	0.0	OFF	392	0	0.00	0	70.2	70.2	70.2	
4-5 AM	296	0.0	OFF	296	0	0.00	0	70.2	70.2	70.2	
5-6 AM	453	0.0	OFF	453	0	0.00	0	70.2	70.2	70.2	
6-7 AM	697	0.0	OFF	697	0	0.00	0	69.9	69.9	69.9	
7-8 AM	948	0.0	OFF	948	0	0.00	0	69.6	69.6	69.6	
8-9 AM	1356	0.0	OFF	1356	0	0.00	0	69.1	69.1	69.1	
9-10 AM	1928	0.0	1499	1928	0	5.82	181	68.3	10.3	30.8	
10-11 AM	2413	0.0	1499	1499	914	16.68+	422	67.8	5.4	30.8	
11AM-NOON	2878	0.0	1499	1501	1377	16.91+	429	67.1	5.4	30.8	
NOON-1PM	2822	0.0	1500	1499	1323	16.86+	427	67.3	5.4	30.8	
1-2 PM	2782	0.0	1500	1499	1283	16.83+	426	67.3	5.4	30.8	
2-3 PM	2899	0.0	1499	1502	1398	16.92+	429	67.1	5.4	30.8	
3-4 PM	2801	0.0	1500	1498	1302	16.84+	427	67.3	5.4	30.8	
4-5 PM	2554	0.0	1500	1499	1055	16.69+	423	67.6	5.4	30.8	
5-6 PM	2327	0.0	1500	1500	828	16.67+	422	67.8	5.4	30.8	
6-7 PM	2154	0.0	1500	1500	654	16.66+	422	68.1	5.4	30.8	
7-8 PM	2011	0.0	OFF	2011	0	0.23	22	68.2	53.9	53.9	
8-9 PM	1778	0.0	OFF	1778	0	0.00	0	68.5	68.5	68.5	
9-10 PM	1627	0.0	OFF	1627	0	0.00	0	68.7	68.7	68.7	
10-11 PM	1473	0.0	OFF	1473	0	0.00	0	68.9	68.9	68.9	
11PM-MID	895	0.0	OFF	895	0	0.00	0	69.6	69.6	69.6	

"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	0.0066
MAIN ROUTE WITH WORKS	0.0033
'DIVERSION'	0.0037
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$114,023
CONGESTED HOURS PER DAY*	9

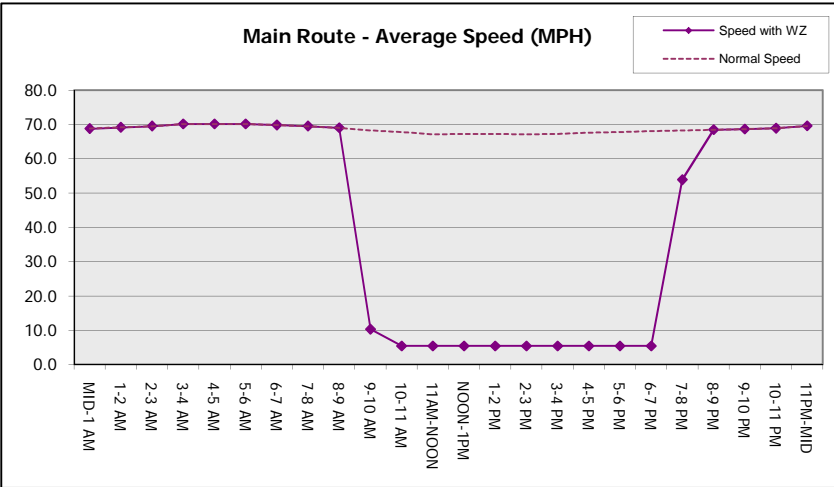
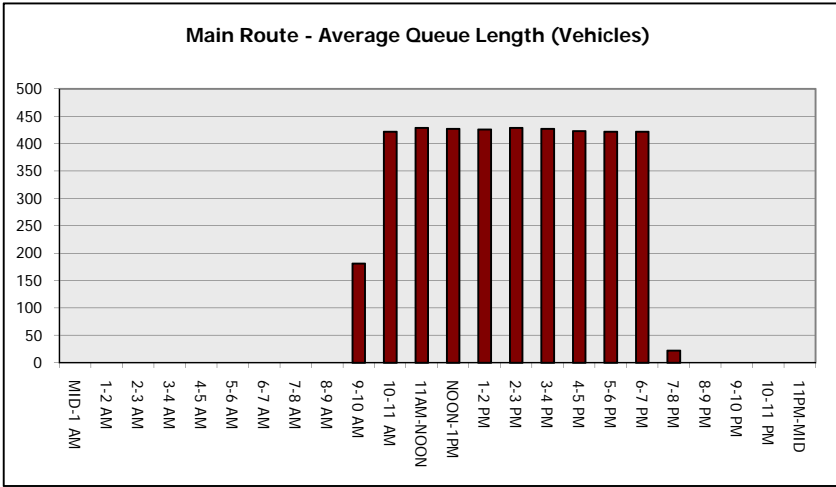
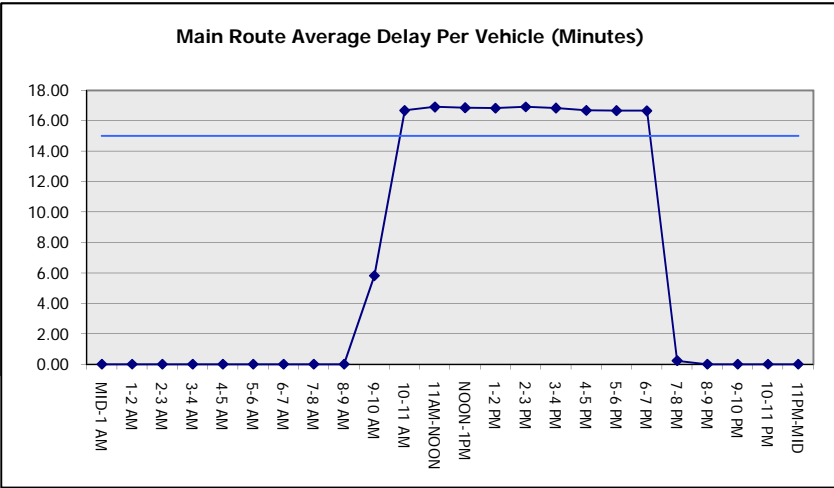
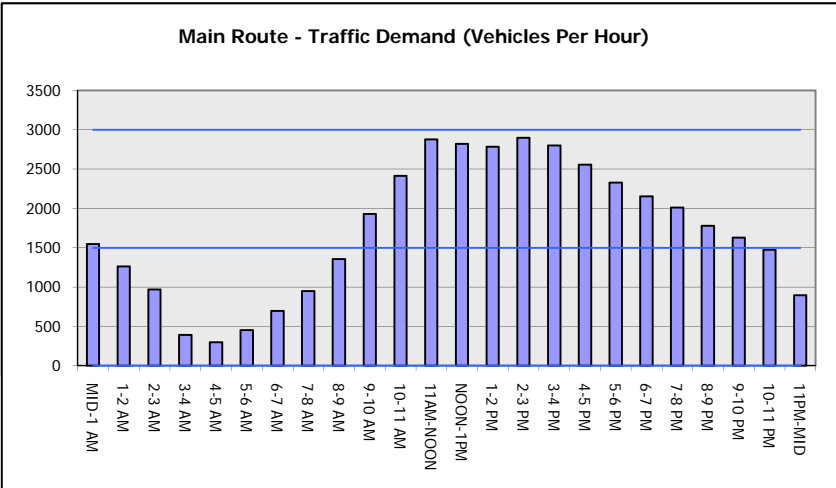
*Delays Exceeding User-Specified Maximum

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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	1012	0.0	OFF	1012	0	0.00	0	69.5	69.5	69.5	
1-2 AM	578	0.0	OFF	578	0	0.00	0	70.0	70.0	70.0	
2-3 AM	415	0.0	OFF	415	0	0.00	0	70.2	70.2	70.2	
3-4 AM	333	0.0	OFF	333	0	0.00	0	70.2	70.2	70.2	
4-5 AM	327	0.0	OFF	327	0	0.00	0	70.2	70.2	70.2	
5-6 AM	531	0.0	OFF	531	0	0.00	0	70.0	70.0	70.0	
6-7 AM	737	0.0	OFF	737	0	0.00	0	69.8	69.8	69.8	
7-8 AM	962	0.0	OFF	962	0	0.00	0	69.6	69.6	69.6	
8-9 AM	1795	0.0	OFF	1795	0	0.00	0	68.5	68.5	68.5	
9-10 AM	1978	0.0	1499	1978	0	7.37	219	68.2	8.8	30.8	
10-11 AM	2426	0.0	1500	1483	943	16.74+	424	67.7	5.4	30.8	
11AM-NOON	2763	0.0	1499	1475	1288	16.86+	427	67.3	5.4	30.8	
NOON-1PM	2920	0.0	1499	1495	1425	16.95+	430	67.1	5.4	30.8	
1-2 PM	2926	0.0	1499	1499	1427	16.95+	430	67.1	5.4	30.8	
2-3 PM	2916	0.0	1500	1500	1417	16.94+	429	67.1	5.4	30.8	
3-4 PM	3028	0.0	1499	1502	1526	17.04+	432	66.9	5.3	30.8	
4-5 PM	2964	0.0	1500	1499	1465	16.98+	431	67.1	5.4	30.8	
5-6 PM	2982	0.0	1499	1500	1482	17.00+	431	67.0	5.3	30.8	
6-7 PM	2663	0.0	1500	1497	1167	16.74+	424	67.4	5.4	30.8	
7-8 PM	2352	0.0	OFF	2352	0	0.26	25	67.8	52.5	52.5	
8-9 PM	2072	0.0	OFF	2072	0	0.00	0	68.2	68.2	68.2	
9-10 PM	1705	0.0	OFF	1705	0	0.00	0	68.6	68.6	68.6	
10-11 PM	1201	0.0	OFF	1201	0	0.00	0	69.2	69.2	69.2	
11PM-MID	684	0.0	OFF	684	0	0.00	0	69.9	69.9	69.9	

"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	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	0.0067
MAIN ROUTE WITH WORKS	0.0031
'DIVERSION'	0.0045

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$125,061
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

