

**IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY)
CONTINUOUS (24 HOUR) 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	1499	1545	0	0.89	11	68.8	34.1	30.8	
1-2 AM	1261	0.0	1500	1261	0	0.54	6	69.2	42.5	36.4	
2-3 AM	967	0.0	1500	967	0	0.30	0	69.6	51.8	41.8	
3-4 AM	392	0.0	1500	392	0	0.26	0	70.2	53.7	43.9	
4-5 AM	296	0.0	1500	296	0	0.26	0	70.2	54.0	44.3	
5-6 AM	453	0.0	1500	453	0	0.27	0	70.2	53.5	43.7	
6-7 AM	697	0.0	1500	697	0	0.28	0	69.9	52.7	42.8	
7-8 AM	948	0.0	1500	948	0	0.29	0	69.6	51.9	41.9	
8-9 AM	1356	0.0	1499	1356	0	0.46	0	69.1	45.3	34.3	
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	1500	1500	512	16.66+	421	68.2	5.4	30.8	
8-9 PM	1778	0.0	1500	1500	279	16.64+	421	68.5	5.4	30.8	
9-10 PM	1627	0.0	1500	1500	128	16.64+	421	68.7	5.4	30.8	
10-11 PM	1473	0.0	1499	1441	33	16.11+	407	68.9	5.5	30.8	
11PM-MID	895	0.0	1499	895	0	1.43	108	69.6	27.8	40.6	

+ 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

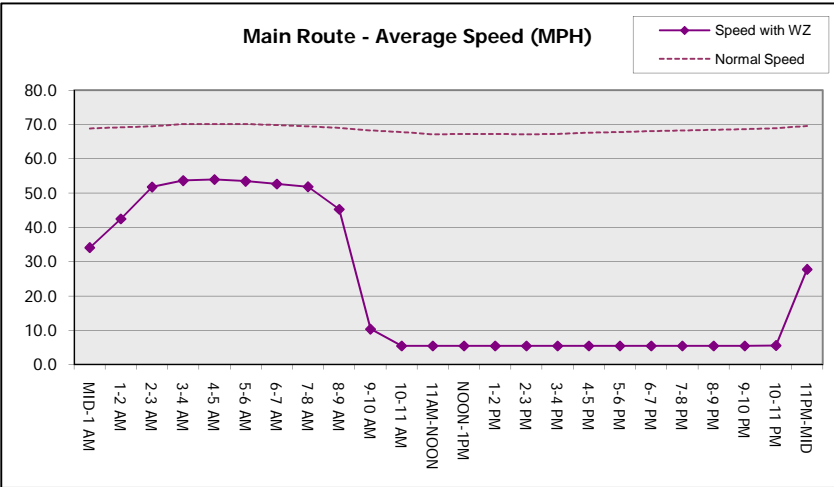
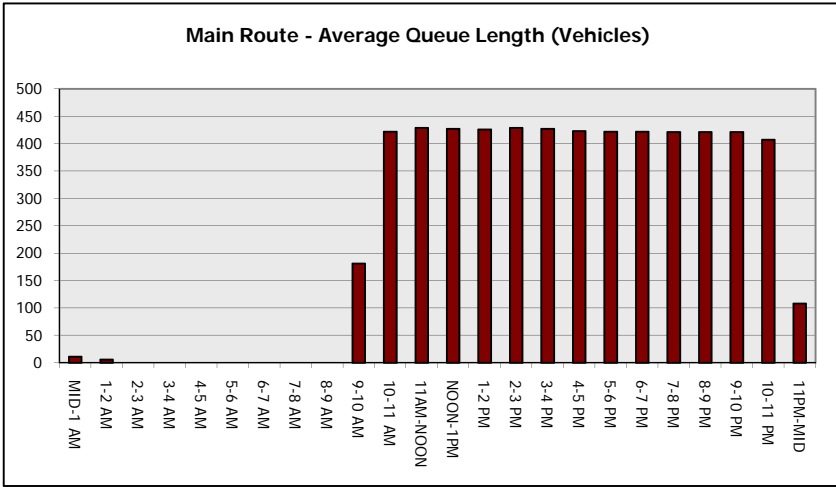
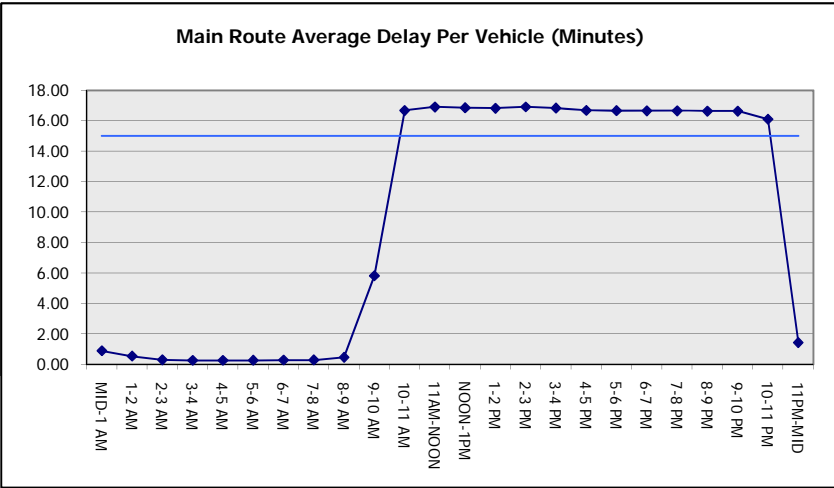
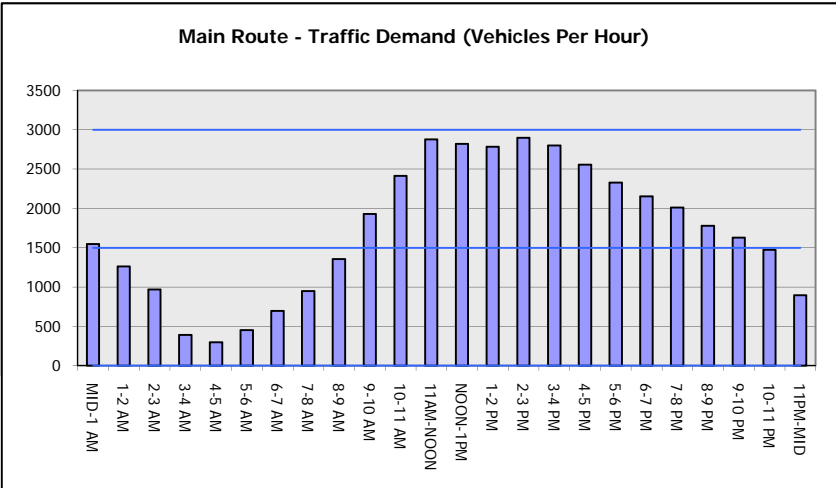
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0066
MAIN ROUTE WITH WORKS	0.0015
'DIVERSION'	0.0041
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$146,950
CONGESTED HOURS PER DAY*	13

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY WESTBOUND DIRECTION



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

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	1500	1012	0	0.30	0	69.5	51.7	41.6	
1-2 AM	578	0.0	1500	578	0	0.27	0	70.0	53.0	43.2	
2-3 AM	415	0.0	1500	415	0	0.26	0	70.2	53.6	43.8	
3-4 AM	333	0.0	1500	333	0	0.26	0	70.2	53.8	44.2	
4-5 AM	327	0.0	1500	327	0	0.26	0	70.2	53.8	44.2	
5-6 AM	531	0.0	1500	531	0	0.27	0	70.0	53.2	43.4	
6-7 AM	737	0.0	1500	737	0	0.28	0	69.8	52.5	42.6	
7-8 AM	962	0.0	1499	962	0	0.29	0	69.6	51.9	41.8	
8-9 AM	1795	0.0	1499	1795	0	3.71	115	68.5	13.9	30.8	
9-10 AM	1978	0.0	1499	1669	309	15.94+	404	68.2	5.5	30.8	
10-11 AM	2426	0.0	1499	1489	937	16.71+	423	67.7	5.4	30.8	
11AM-NOON	2763	0.0	1499	1481	1283	16.85+	427	67.3	5.4	30.8	
NOON-1PM	2920	0.0	1499	1497	1423	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	1500	1499	852	16.68+	422	67.8	5.4	30.8	
8-9 PM	2072	0.0	1500	1499	573	16.66+	422	68.2	5.4	30.8	
9-10 PM	1705	0.0	1500	1499	206	16.64+	421	68.6	5.4	30.8	
10-11 PM	1201	0.0	1499	1201	0	11.75+	308	69.2	6.5	32.4	
11PM-MID	684	0.0	1500	684	0	0.41	10	69.9	47.3	42.8	

+ 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	0.0067
MAIN ROUTE WITH WORKS	0.0014
'DIVERSION'	0.0052

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$164,206
CONGESTED HOURS PER DAY*	14

*Delays Exceeding User-Specified Maximum

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SUNDAY EASTBOUND DIRECTION

