

**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
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	1500	1121	0	0.31	0	69.4	51.2	41.2	
1-2 AM	1215	0.0	1500	1215	0	0.37	0	69.2	48.6	38.0	
2-3 AM	731	0.0	1500	731	0	0.28	0	69.8	52.5	42.7	
3-4 AM	300	0.0	1500	300	0	0.26	0	70.2	53.9	44.3	
4-5 AM	230	0.0	1500	230	0	0.25	0	70.2	54.2	44.6	
5-6 AM	391	0.0	1500	391	0	0.26	0	70.2	53.7	43.9	
6-7 AM	617	0.0	1500	617	0	0.28	0	70.0	52.9	43.0	
7-8 AM	885	0.0	1500	885	0	0.29	0	69.6	52.0	42.1	
8-9 AM	1279	0.0	1499	1279	0	0.40	0	69.1	47.2	36.5	
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	1500	1474	29	16.46+	416	68.9	5.5	30.8	
8-9 PM	1404	0.0	1499	1404	0	14.30+	360	69.0	5.8	30.8	
9-10 PM	1187	0.0	1499	1187	0	5.01	164	69.2	11.4	33.8	
10-11 PM	835	0.0	1500	835	0	0.29	0	69.7	52.2	42.3	
11PM-MID	552	0.0	1500	552	0	0.27	0	70.0	53.2	43.3	

+ 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

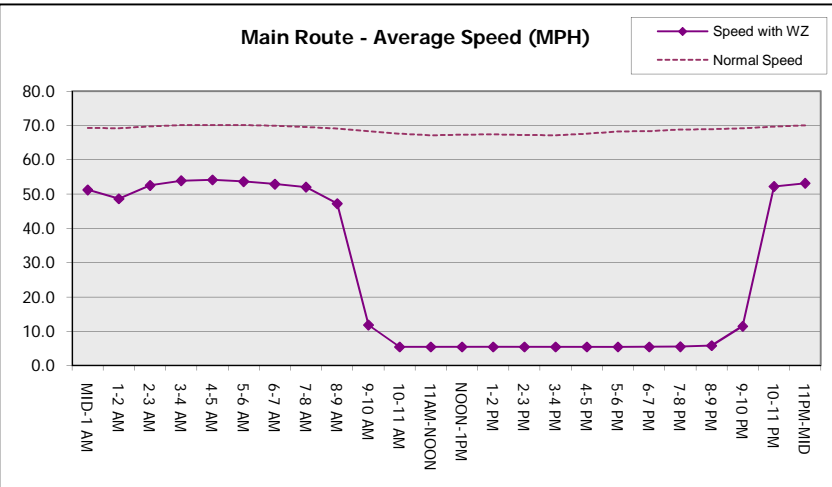
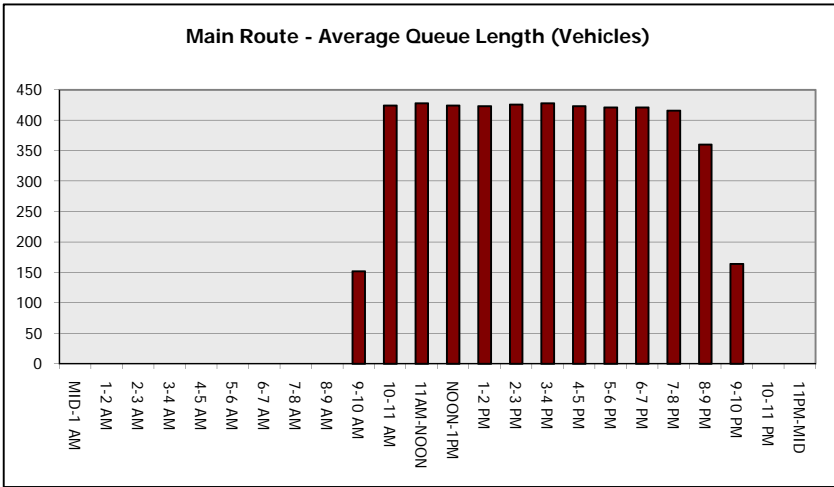
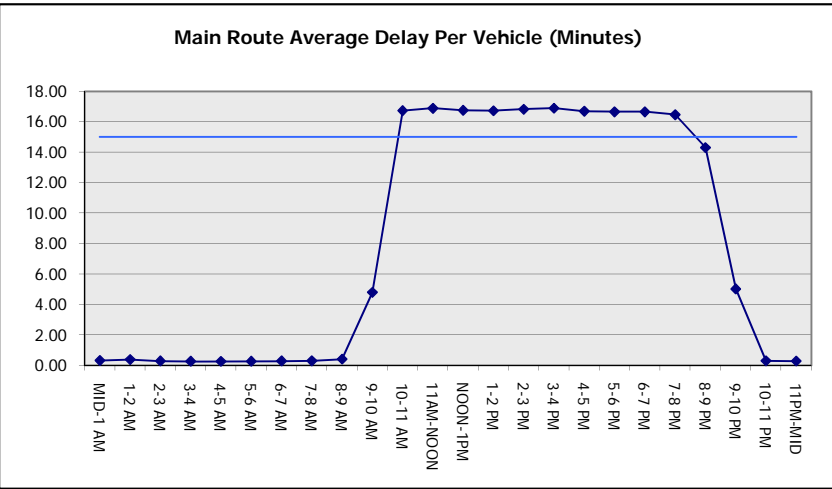
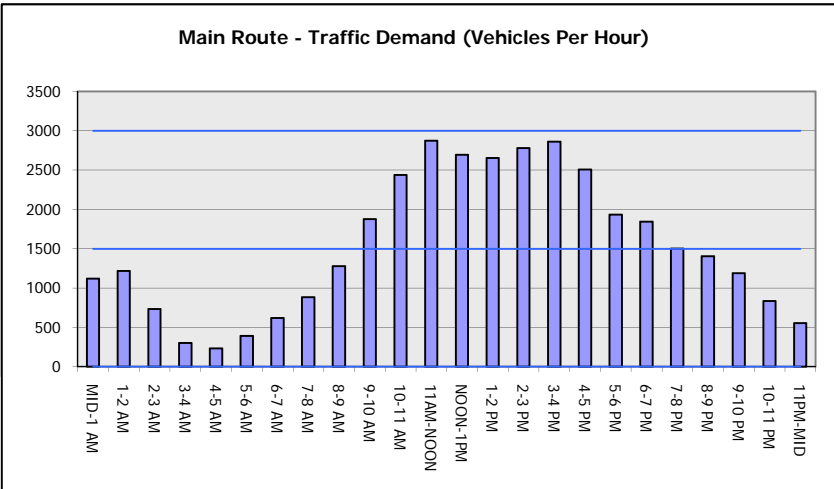
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0058
MAIN ROUTE WITH WORKS	0.0014
'DIVERSION'	0.0033
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$123,972
CONGESTED HOURS PER DAY*	11

*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	1500	681	0	0.28	0	69.9	52.7	42.8	
1-2 AM	455	0.0	1500	455	0	0.27	0	70.2	53.5	43.7	
2-3 AM	313	0.0	1500	313	0	0.26	0	70.2	53.9	44.2	
3-4 AM	214	0.0	1500	214	0	0.25	0	70.2	54.2	44.6	
4-5 AM	249	0.0	1500	249	0	0.25	0	70.2	54.1	44.5	
5-6 AM	433	0.0	1500	433	0	0.27	0	70.2	53.5	43.8	
6-7 AM	626	0.0	1500	626	0	0.28	0	69.9	52.9	43.0	
7-8 AM	970	0.0	1499	970	0	0.30	0	69.6	51.8	41.8	
8-9 AM	1551	0.0	1499	1551	0	1.00	18	68.8	32.0	31.3	
9-10 AM	1756	0.0	1500	1756	0	6.78	178	68.6	8.8	30.8	
10-11 AM	2324	0.0	1499	1546	778	16.60+	420	67.9	5.4	30.8	
11AM-NOON	2793	0.0	1500	1537	1257	16.86+	427	67.3	5.4	30.8	
NOON-1PM	2987	0.0	1500	1515	1472	16.99+	431	67.0	5.3	30.8	
1-2 PM	2836	0.0	1500	1500	1336	16.87+	428	67.2	5.4	30.8	
2-3 PM	2726	0.0	1500	1498	1228	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	1500	1500	507	16.66+	421	68.2	5.4	30.8	
8-9 PM	1786	0.0	1500	1500	286	16.65+	421	68.5	5.4	30.8	
9-10 PM	1527	0.0	1500	1466	62	16.36+	413	68.8	5.5	30.8	
10-11 PM	1018	0.0	1499	1018	0	3.49	184	69.5	16.0	36.6	
11PM-MID	585	0.0	1500	585	0	0.27	0	70.0	53.0	43.2	

+ 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	0.0014
'DIVERSION'	0.0042

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$143,803
CONGESTED HOURS PER DAY*	12

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY EASTBOUND DIRECTION

