

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	AUGUST
	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	537	0.0	3000	537	0	0.18	0	70.0	57.8	49.7
1-2 AM	399	0.0	3000	399	0	0.18	0	70.2	57.9	49.7
2-3 AM	257	0.0	3000	257	0	0.18	0	70.2	57.9	49.7
3-4 AM	260	0.0	3000	260	0	0.18	0	70.2	57.9	49.7
4-5 AM	586	0.0	3000	586	0	0.18	0	70.0	57.8	49.7
5-6 AM	1745	0.0	OFF	1745	0	0.00	0	68.6	68.6	68.6
6-7 AM	3730	0.0	OFF	3730	0	0.00	0	65.4	65.4	65.4
7-8 AM	4313	0.0	OFF	4313	0	0.00	0	61.4	61.4	61.4
8-9 AM	2959	0.0	OFF	2959	0	0.00	0	67.1	67.1	67.1
9-10 AM	2418	0.0	OFF	2418	0	0.00	0	67.8	67.8	67.8
10-11 AM	2592	0.0	OFF	2592	0	0.00	0	67.5	67.5	67.5
11AM-NOON	2983	0.0	OFF	2983	0	0.00	0	67.0	67.0	67.0
NOON-1PM	2985	0.0	OFF	2985	0	0.00	0	67.0	67.0	67.0
1-2 PM	3312	0.0	OFF	3312	0	0.00	0	66.6	66.6	66.6
2-3 PM	4516	0.0	OFF	4516	0	0.00	0	60.0	60.0	60.0
3-4 PM	5109	0.0	OFF	5109	0	0.00	0	56.0	56.0	56.0
4-5 PM	5126	0.0	OFF	5126	0	0.00	0	55.8	55.8	55.8
5-6 PM	4488	0.0	OFF	4488	0	0.00	0	60.2	60.2	60.2
6-7 PM	3107	0.0	OFF	3107	0	0.00	0	66.9	66.9	66.9
7-8 PM	2365	0.0	3000	2365	0	0.17	0	67.8	57.1	49.7
8-9 PM	2196	0.0	3000	2196	0	0.17	0	68.0	57.1	49.7
9-10 PM	1967	0.0	3000	1967	0	0.17	0	68.3	57.3	49.7
10-11 PM	1455	0.0	3000	1455	0	0.17	0	68.9	57.4	49.7
11PM-MID	913	0.0	3000	913	0	0.18	0	69.6	57.7	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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

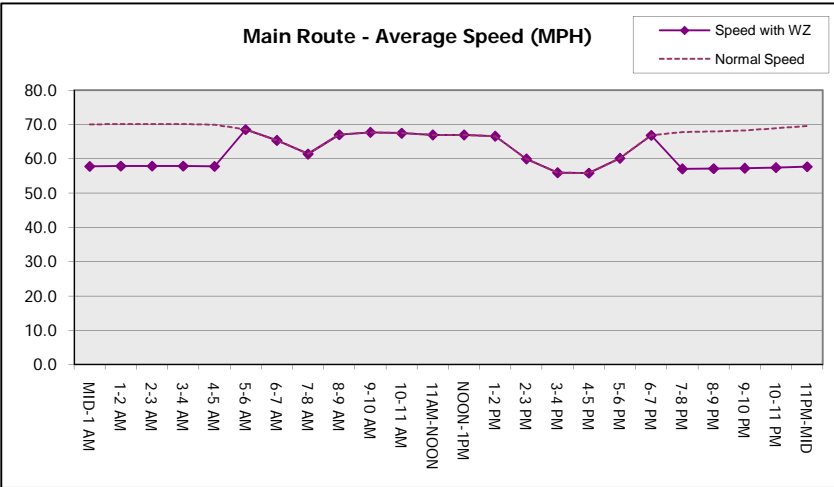
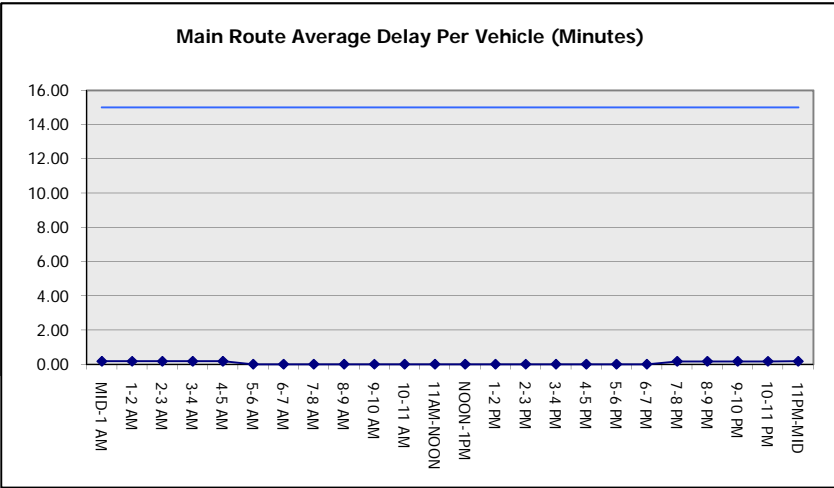
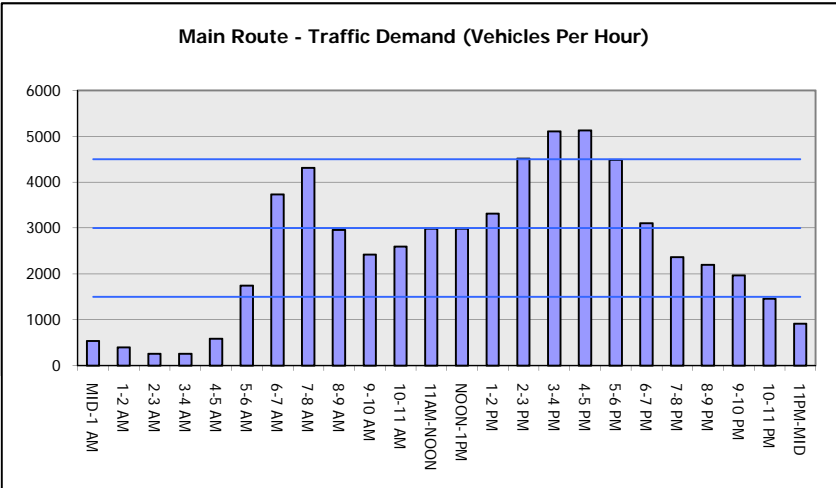
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0096
MAIN ROUTE WITH WORKS	0.0084
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$376
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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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	367	0.0	3000	367	0	0.18	0	70.2	57.9	49.7
1-2 AM	244	0.0	3000	244	0	0.18	0	70.2	57.9	49.7
2-3 AM	205	0.0	3000	205	0	0.18	0	70.2	57.9	49.7
3-4 AM	287	0.0	3000	287	0	0.18	0	70.2	57.9	49.7
4-5 AM	823	0.0	3000	823	0	0.18	0	69.7	57.7	49.7
5-6 AM	2999	0.0	OFF	2999	0	0.00	0	67.0	67.0	67.0
6-7 AM	5105	0.0	OFF	5105	0	0.00	0	56.0	56.0	56.0
7-8 AM	5464	0.0	OFF	5464	0	0.00	0	53.5	53.5	53.5
8-9 AM	4493	0.0	OFF	4493	0	0.00	0	60.2	60.2	60.2
9-10 AM	3195	0.0	OFF	3195	0	0.00	0	66.8	66.8	66.8
10-11 AM	2969	0.0	OFF	2969	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3097	0.0	OFF	3097	0	0.00	0	66.9	66.9	66.9
NOON-1PM	3147	0.0	OFF	3147	0	0.00	0	66.8	66.8	66.8
1-2 PM	3097	0.0	OFF	3097	0	0.00	0	66.9	66.9	66.9
2-3 PM	3155	0.0	OFF	3155	0	0.00	0	66.8	66.8	66.8
3-4 PM	3514	0.0	OFF	3514	0	0.00	0	66.4	66.4	66.4
4-5 PM	4089	0.0	OFF	4089	0	0.00	0	62.9	62.9	62.9
5-6 PM	4076	0.0	OFF	4076	0	0.00	0	63.0	63.0	63.0
6-7 PM	3299	0.0	OFF	3299	0	0.00	0	66.6	66.6	66.6
7-8 PM	2513	0.0	3000	2513	0	0.21	0	67.6	54.8	46.5
8-9 PM	2263	0.0	3000	2263	0	0.17	0	67.9	57.1	49.7
9-10 PM	1985	0.0	3000	1985	0	0.17	0	68.2	57.3	49.7
10-11 PM	1445	0.0	3000	1445	0	0.17	0	68.9	57.4	49.7
11PM-MID	819	0.0	3000	819	0	0.18	0	69.7	57.7	49.7

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0100
MAIN ROUTE WITH WORKS	0.0088
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$396
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

