

IH 794: IH 43 TO LINCOLN MEMORIAL DR (MILWAUKEE COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	446	0.0	3000	446	0	0.18	0	70.2	57.9	49.7
1-2 AM	346	0.0	3000	346	0	0.18	0	70.2	57.9	49.7
2-3 AM	207	0.0	3000	207	0	0.18	0	70.2	57.9	49.7
3-4 AM	221	0.0	3000	221	0	0.18	0	70.2	57.9	49.7
4-5 AM	530	0.0	3000	530	0	0.18	0	70.0	57.8	49.7
5-6 AM	1678	0.0	OFF	1678	0	0.00	0	68.6	68.6	68.6
6-7 AM	3726	0.0	OFF	3726	0	0.00	0	65.4	65.4	65.4
7-8 AM	4250	0.0	OFF	4250	0	0.00	0	61.8	61.8	61.8
8-9 AM	2943	0.0	OFF	2943	0	0.00	0	67.1	67.1	67.1
9-10 AM	2539	0.0	OFF	2539	0	0.00	0	67.6	67.6	67.6
10-11 AM	2787	0.0	OFF	2787	0	0.00	0	67.3	67.3	67.3
11AM-NOON	3238	0.0	OFF	3238	0	0.00	0	66.7	66.7	66.7
NOON-1PM	3297	0.0	OFF	3297	0	0.00	0	66.6	66.6	66.6
1-2 PM	3746	0.0	OFF	3746	0	0.00	0	65.3	65.3	65.3
2-3 PM	4710	0.0	OFF	4710	0	0.00	0	58.7	58.7	58.7
3-4 PM	5036	0.0	OFF	5036	0	0.00	0	56.4	56.4	56.4
4-5 PM	5142	0.0	OFF	5142	0	0.00	0	55.7	55.7	55.7
5-6 PM	4406	0.0	OFF	4406	0	0.00	0	60.7	60.7	60.7
6-7 PM	3157	0.0	OFF	3157	0	0.00	0	66.8	66.8	66.8
7-8 PM	2370	0.0	3000	2370	0	0.17	0	67.8	57.1	49.7
8-9 PM	2132	0.0	3000	2132	0	0.17	0	68.1	57.2	49.7
9-10 PM	1855	0.0	3000	1855	0	0.17	0	68.4	57.3	49.7
10-11 PM	1339	0.0	3000	1339	0	0.17	0	69.1	57.5	49.7
11PM-MID	791	0.0	3000	791	0	0.18	0	69.7	57.8	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

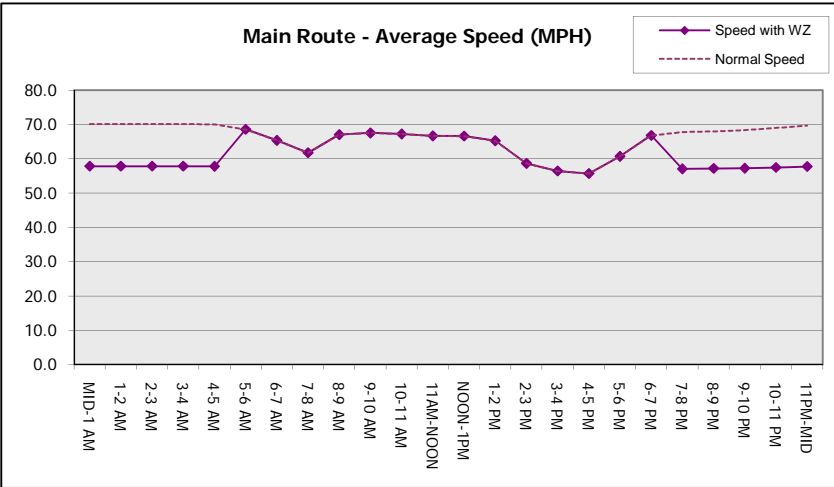
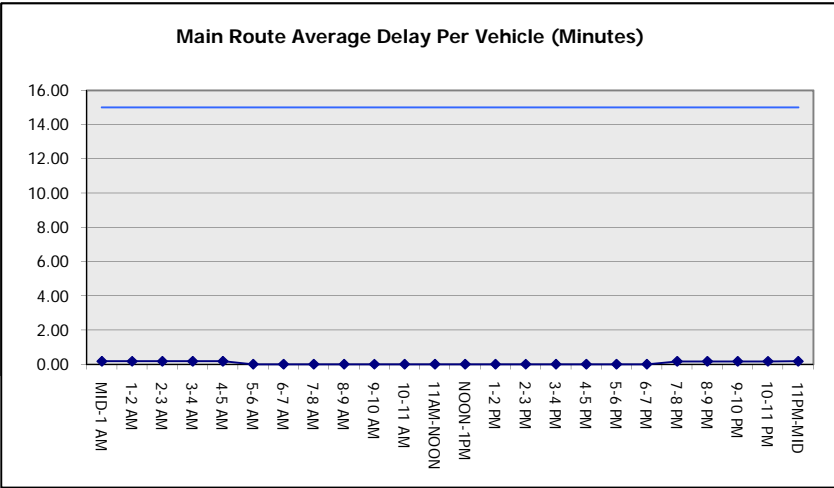
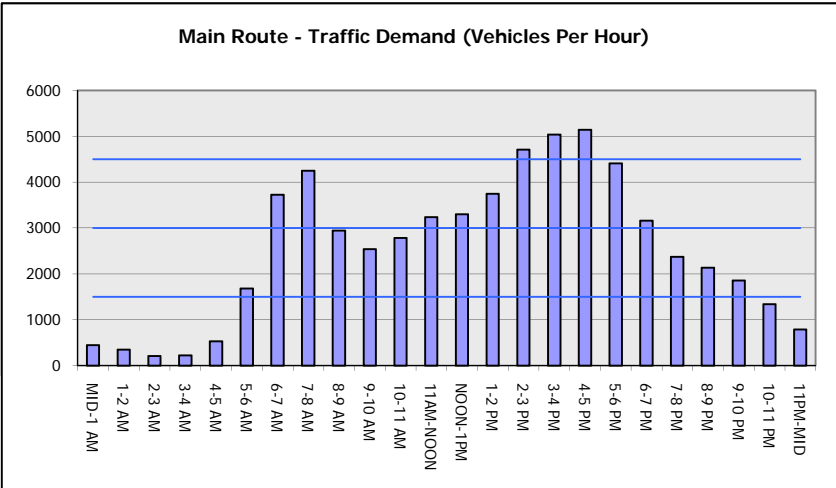
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0086
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$351
CONGESTED HOURS PER DAY*	0

*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	322	0.0	3000	322	0	0.18	0	70.2	57.9	49.7
1-2 AM	208	0.0	3000	208	0	0.18	0	70.2	57.9	49.7
2-3 AM	172	0.0	3000	172	0	0.18	0	70.2	57.9	49.7
3-4 AM	233	0.0	3000	233	0	0.18	0	70.2	57.9	49.7
4-5 AM	761	0.0	3000	761	0	0.18	0	69.8	57.8	49.7
5-6 AM	2858	0.0	OFF	2858	0	0.00	0	67.2	67.2	67.2
6-7 AM	4918	0.0	OFF	4918	0	0.00	0	57.3	57.3	57.3
7-8 AM	5034	0.0	OFF	5034	0	0.00	0	56.4	56.4	56.4
8-9 AM	4455	0.0	OFF	4455	0	0.00	0	60.4	60.4	60.4
9-10 AM	3218	0.0	OFF	3218	0	0.00	0	66.8	66.8	66.8
10-11 AM	2944	0.0	OFF	2944	0	0.00	0	67.1	67.1	67.1
11AM-NOON	3153	0.0	OFF	3153	0	0.00	0	66.8	66.8	66.8
NOON-1PM	3148	0.0	OFF	3148	0	0.00	0	66.8	66.8	66.8
1-2 PM	3091	0.0	OFF	3091	0	0.00	0	66.9	66.9	66.9
2-3 PM	3252	0.0	OFF	3252	0	0.00	0	66.7	66.7	66.7
3-4 PM	3563	0.0	OFF	3563	0	0.00	0	66.3	66.3	66.3
4-5 PM	4090	0.0	OFF	4090	0	0.00	0	62.9	62.9	62.9
5-6 PM	4057	0.0	OFF	4057	0	0.00	0	63.2	63.2	63.2
6-7 PM	3075	0.0	OFF	3075	0	0.00	0	66.9	66.9	66.9
7-8 PM	2321	0.0	3000	2321	0	0.17	0	67.9	57.1	49.7
8-9 PM	2111	0.0	3000	2111	0	0.17	0	68.1	57.2	49.7
9-10 PM	1826	0.0	3000	1826	0	0.17	0	68.4	57.3	49.7
10-11 PM	1241	0.0	3000	1241	0	0.18	0	69.2	57.6	49.7
11PM-MID	702	0.0	3000	702	0	0.18	0	69.9	57.8	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	0.0097
MAIN ROUTE WITH WORKS	0.0086
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$341
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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MON-THUR EASTBOUND DIRECTION

