

IH 794: LINCOLN AVE 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

SATURDAY 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	287	0.0	1500	287	0	0.51	0	70.2	54.1	44.3
1-2 AM	163	0.0	1500	163	0	0.49	0	70.2	54.5	44.8
2-3 AM	153	0.0	1500	153	0	0.49	0	70.2	54.6	44.9
3-4 AM	108	0.0	1500	108	0	0.49	0	70.2	54.6	45.1
4-5 AM	133	0.0	1500	133	0	0.49	0	70.2	54.6	45.0
5-6 AM	277	0.0	1500	277	0	0.51	0	70.2	54.2	44.4
6-7 AM	480	0.0	1500	480	0	0.53	0	70.1	53.5	43.6
7-8 AM	645	0.0	1500	645	0	0.55	0	69.9	53.0	43.0
8-9 AM	840	0.0	1500	840	0	0.57	0	69.7	52.4	42.2
9-10 AM	948	0.0	1500	948	0	0.58	0	69.6	52.0	41.9
10-11 AM	1049	0.0	1500	1049	0	0.59	0	69.4	51.7	41.5
11AM-NOON	1133	0.0	1500	1133	0	0.62	0	69.3	51.0	40.7
NOON-1PM	1125	0.0	1500	1125	0	0.61	0	69.4	51.3	41.0
1-2 PM	1067	0.0	1500	1067	0	0.59	0	69.4	51.7	41.4
2-3 PM	1102	0.0	1500	1102	0	0.60	0	69.4	51.5	41.3
3-4 PM	1053	0.0	1500	1053	0	0.59	0	69.4	51.7	41.5
4-5 PM	984	0.0	1500	984	0	0.59	0	69.5	51.9	41.7
5-6 PM	963	0.0	1500	963	0	0.58	0	69.6	52.0	41.8
6-7 PM	930	0.0	1500	930	0	0.58	0	69.6	52.1	41.9
7-8 PM	806	0.0	1500	806	0	0.57	0	69.7	52.5	42.4
8-9 PM	630	0.0	1500	630	0	0.55	0	69.9	53.0	43.0
9-10 PM	569	0.0	1500	569	0	0.54	0	70.0	53.2	43.2
10-11 PM	516	0.0	1500	516	0	0.53	0	70.1	53.4	43.5
11PM-MID	386	0.0	1500	386	0	0.52	0	70.2	53.8	44.0

----- 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	0.0052
MAIN ROUTE WITH WORKS	0.0041
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

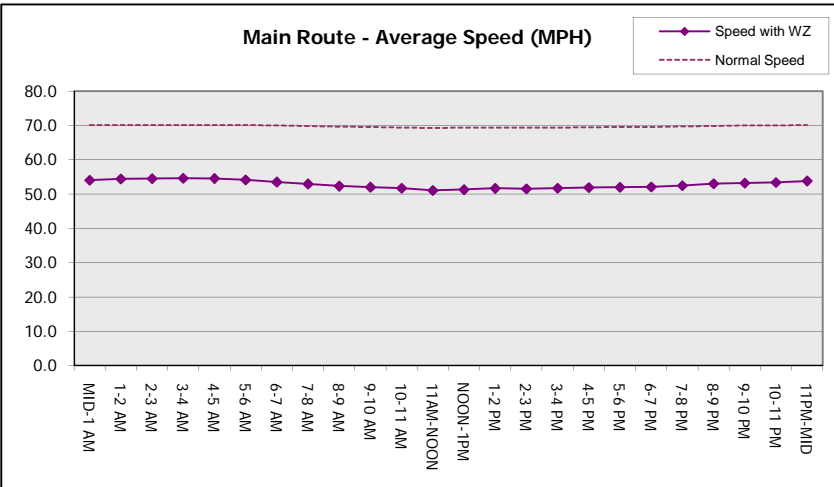
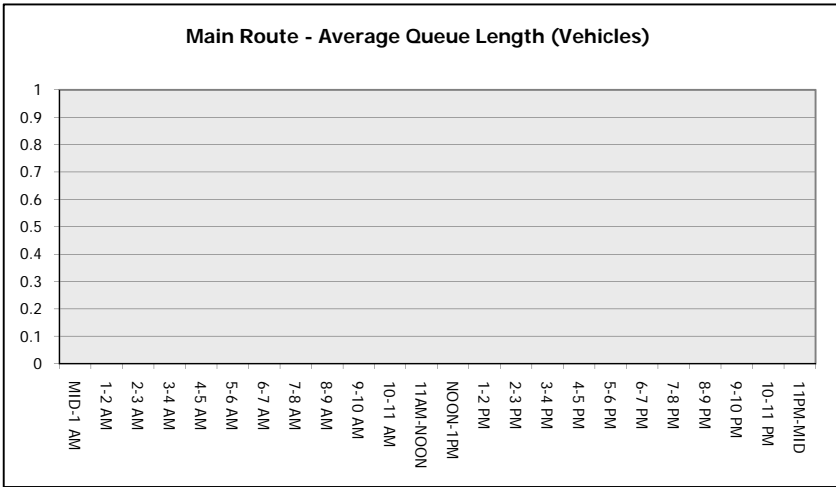
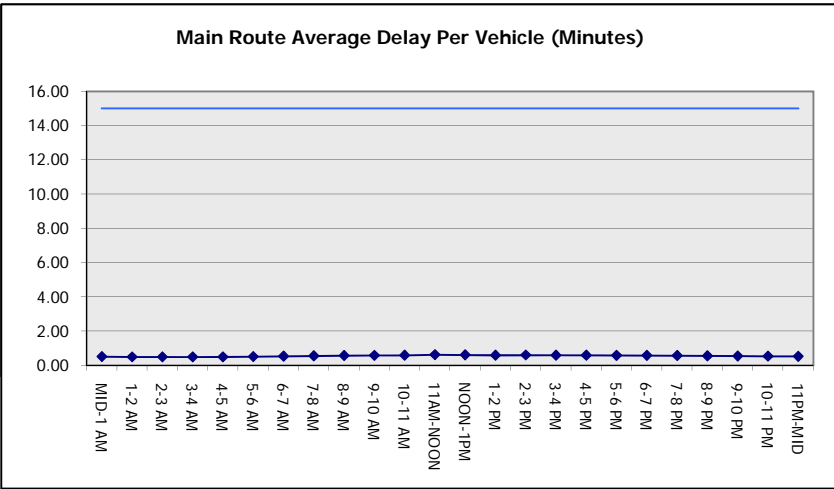
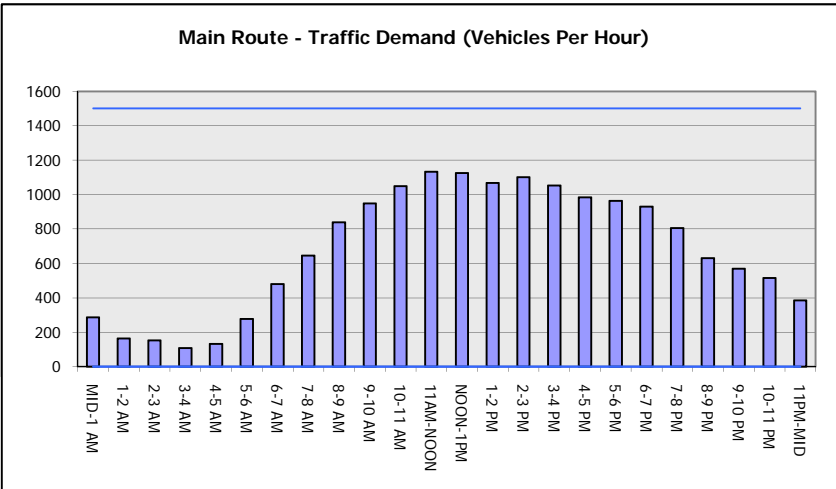
ROAD USER COSTS PER DAY	\$2,367
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY WESTBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	484	0.0	1500	484	0	0.53	0	70.1	53.5	43.6
1-2 AM	296	0.0	1500	296	0	0.51	0	70.2	54.1	44.3
2-3 AM	304	0.0	1500	304	0	0.51	0	70.2	54.1	44.3
3-4 AM	165	0.0	1500	165	0	0.49	0	70.2	54.5	44.8
4-5 AM	147	0.0	1500	147	0	0.49	0	70.2	54.5	44.9
5-6 AM	194	0.0	1500	194	0	0.50	0	70.2	54.4	44.7
6-7 AM	305	0.0	1500	305	0	0.51	0	70.2	54.1	44.3
7-8 AM	352	0.0	1500	352	0	0.52	0	70.2	53.9	44.1
8-9 AM	648	0.0	1500	648	0	0.55	0	69.9	53.0	43.0
9-10 AM	768	0.0	1500	768	0	0.56	0	69.8	52.6	42.5
10-11 AM	1031	0.0	1500	1031	0	0.59	0	69.4	51.8	41.5
11AM-NOON	1286	0.0	1500	1286	0	0.82	0	69.1	47.0	35.9
NOON-1PM	1382	0.0	1500	1382	0	0.94	0	69.0	44.7	33.4
1-2 PM	1328	0.0	1500	1328	0	0.87	0	69.1	46.0	34.8
2-3 PM	1356	0.0	1500	1356	0	0.91	0	69.1	45.3	34.0
3-4 PM	1112	0.0	1500	1112	0	0.60	0	69.4	51.5	41.3
4-5 PM	1063	0.0	1500	1063	0	0.59	0	69.4	51.7	41.5
5-6 PM	1006	0.0	1500	1006	0	0.59	0	69.5	51.9	41.7
6-7 PM	864	0.0	1500	864	0	0.57	0	69.7	52.3	42.2
7-8 PM	766	0.0	1500	766	0	0.56	0	69.8	52.6	42.5
8-9 PM	701	0.0	1500	701	0	0.55	0	69.9	52.8	42.7
9-10 PM	771	0.0	1500	771	0	0.56	0	69.8	52.6	42.5
10-11 PM	761	0.0	1500	761	0	0.56	0	69.8	52.6	42.5
11PM-MID	636	0.0	1500	636	0	0.55	0	69.9	53.0	43.0

----- 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	0.0056
MAIN ROUTE WITH WORKS	0.0045
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,949
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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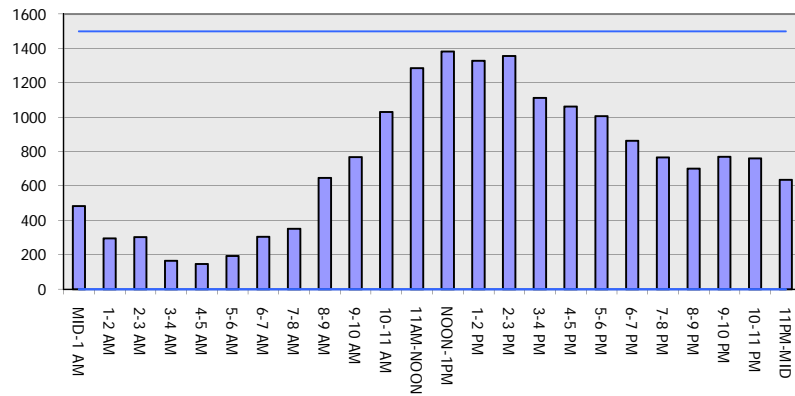
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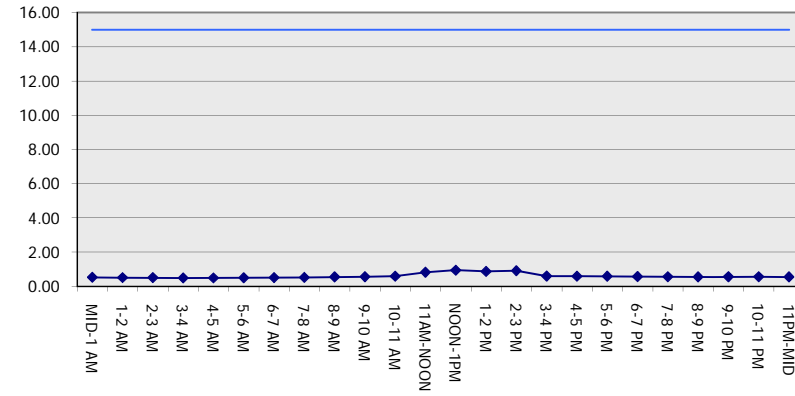
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY EASTBOUND DIRECTION

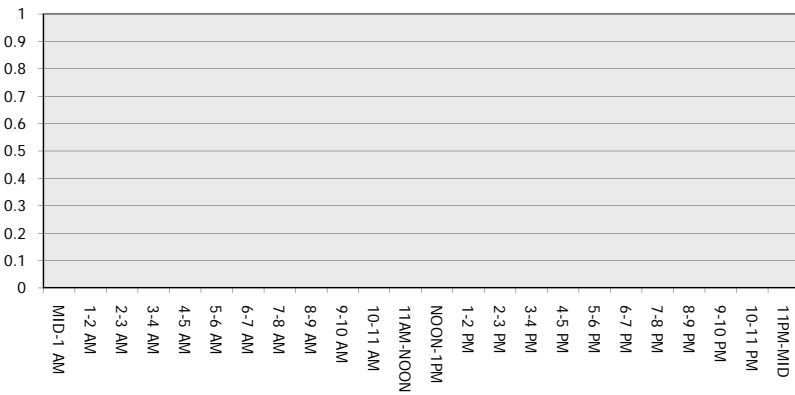
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

