

IH 43: USH 41 TO STH 54/57 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY SOUTHBOUND 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	171	0.0	1500	171	0	0.44	0	66.1	61.0	44.8
1-2 AM	115	0.0	1500	115	0	0.43	0	66.2	61.2	45.0
2-3 AM	108	0.0	1500	108	0	0.43	0	66.2	61.2	45.1
3-4 AM	93	0.0	1500	93	0	0.43	0	66.2	61.3	45.1
4-5 AM	152	0.0	1500	152	0	0.44	0	66.1	61.1	44.9
5-6 AM	341	0.0	1500	341	0	0.46	0	65.8	60.6	44.2
6-7 AM	381	0.0	1500	381	0	0.46	0	65.7	60.5	44.0
7-8 AM	482	0.0	1500	482	0	0.47	0	65.5	60.2	43.6
8-9 AM	764	0.0	1500	764	0	0.50	0	65.0	59.6	42.5
9-10 AM	914	0.0	1500	914	0	0.51	0	64.7	59.2	42.0
10-11 AM	1081	0.0	1500	1081	0	0.53	0	64.4	58.7	41.4
11AM-NOON	1155	0.0	1500	1155	0	0.58	0	64.2	58.1	39.9
NOON-1PM	1164	0.0	1500	1164	0	0.59	0	64.2	58.0	39.6
1-2 PM	1108	0.0	1500	1108	0	0.53	0	64.3	58.7	41.3
2-3 PM	1123	0.0	1500	1123	0	0.54	0	64.3	58.6	41.0
3-4 PM	1098	0.0	1500	1098	0	0.53	0	64.3	58.7	41.4
4-5 PM	1094	0.0	1500	1094	0	0.53	0	64.3	58.7	41.4
5-6 PM	1087	0.0	1500	1087	0	0.53	0	64.3	58.7	41.4
6-7 PM	988	0.0	1500	988	0	0.52	0	64.5	59.0	41.7
7-8 PM	758	0.0	1500	758	0	0.50	0	65.0	59.6	42.5
8-9 PM	628	0.0	1500	628	0	0.48	0	65.2	59.9	43.0
9-10 PM	522	0.0	1500	522	0	0.47	0	65.4	60.2	43.4
10-11 PM	393	0.0	1500	393	0	0.46	0	65.6	60.5	43.9
11PM-MID	277	0.0	1500	277	0	0.45	0	65.9	60.8	44.4

----- 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	0.0150
MAIN ROUTE WITH WORKS	0.0140
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,104
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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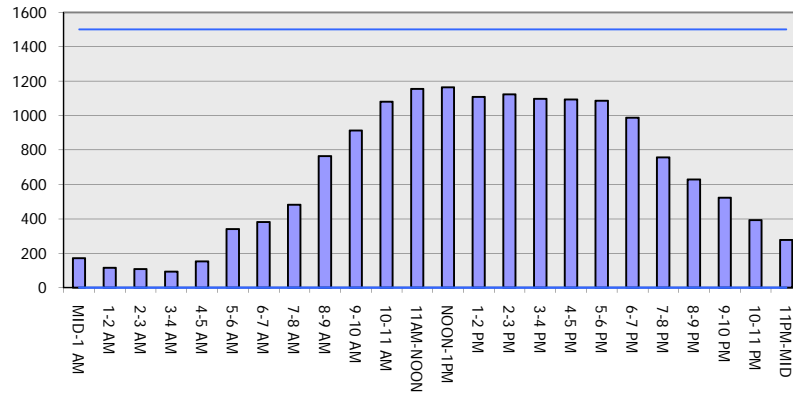
OCTOBER

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Construction Season

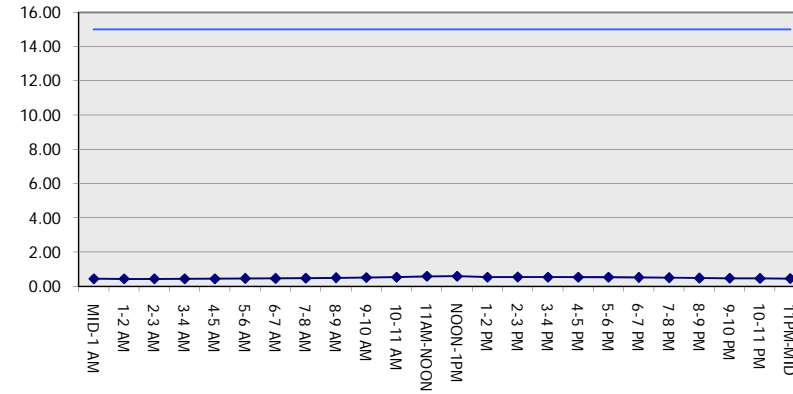
GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SATURDAY SOUTHBOUND DIRECTION

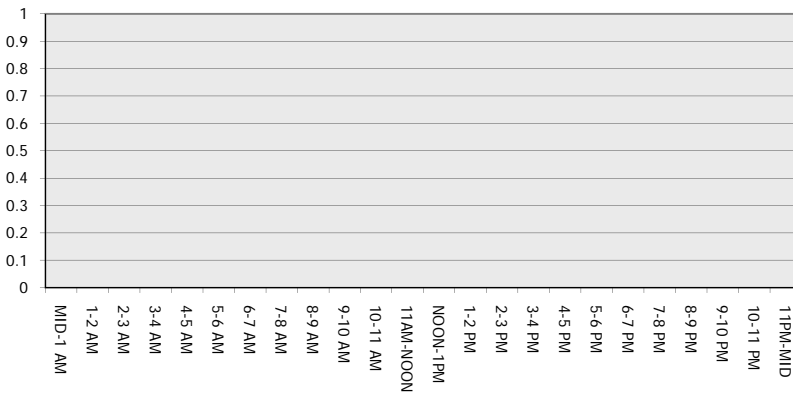
Main Route - Traffic Demand (Vehicles Per Hour)



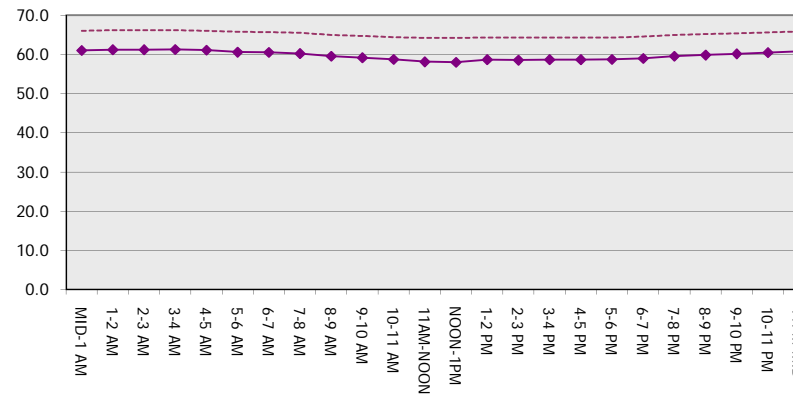
Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY NORTHBOUND 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	189	0.0	1500	189	0	0.44	0	66.0	61.0	44.7
1-2 AM	116	0.0	1500	116	0	0.43	0	66.2	61.2	45.0
2-3 AM	120	0.0	1500	120	0	0.43	0	66.1	61.2	45.0
3-4 AM	97	0.0	1500	97	0	0.43	0	66.2	61.2	45.1
4-5 AM	141	0.0	1500	141	0	0.44	0	66.1	61.2	44.9
5-6 AM	269	0.0	1500	269	0	0.45	0	65.9	60.8	44.4
6-7 AM	454	0.0	1500	454	0	0.47	0	65.5	60.3	43.7
7-8 AM	658	0.0	1500	658	0	0.49	0	65.1	59.8	42.9
8-9 AM	854	0.0	1500	854	0	0.51	0	64.8	59.3	42.2
9-10 AM	1040	0.0	1500	1040	0	0.52	0	64.5	58.9	41.5
10-11 AM	1163	0.0	1500	1163	0	0.59	0	64.2	58.0	39.7
11AM-NOON	1217	0.0	1500	1217	0	0.66	0	64.1	57.3	37.9
NOON-1PM	1202	0.0	1500	1202	0	0.64	0	64.1	57.5	38.4
1-2 PM	1163	0.0	1500	1163	0	0.59	0	64.2	58.0	39.7
2-3 PM	1164	0.0	1500	1164	0	0.59	0	64.2	58.0	39.6
3-4 PM	1079	0.0	1500	1079	0	0.53	0	64.4	58.7	41.4
4-5 PM	1153	0.0	1500	1153	0	0.58	0	64.2	58.2	40.0
5-6 PM	1170	0.0	1500	1170	0	0.60	0	64.2	57.9	39.4
6-7 PM	1004	0.0	1500	1004	0	0.52	0	64.5	58.9	41.7
7-8 PM	768	0.0	1500	768	0	0.50	0	65.0	59.6	42.5
8-9 PM	626	0.0	1500	626	0	0.48	0	65.2	59.9	43.0
9-10 PM	530	0.0	1500	530	0	0.47	0	65.4	60.1	43.4
10-11 PM	377	0.0	1500	377	0	0.46	0	65.7	60.5	44.0
11PM-MID	286	0.0	1500	286	0	0.45	0	65.8	60.7	44.3

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(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	0.0158
MAIN ROUTE WITH WORKS	0.0147
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$2,348
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

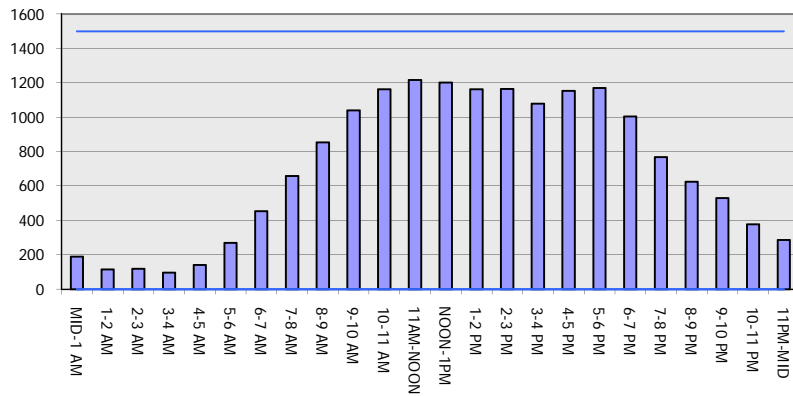
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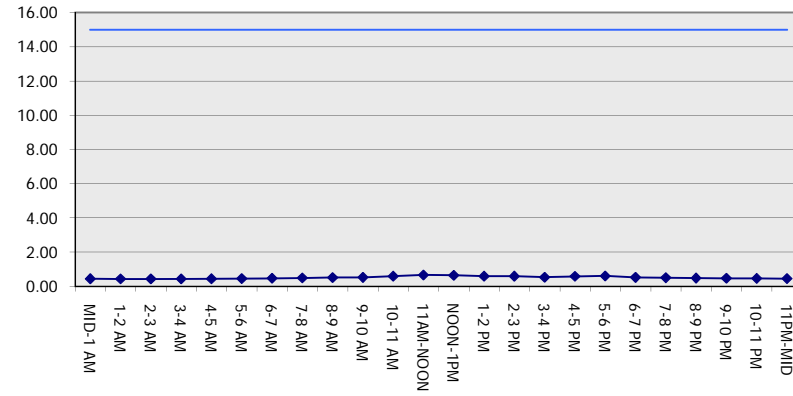
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

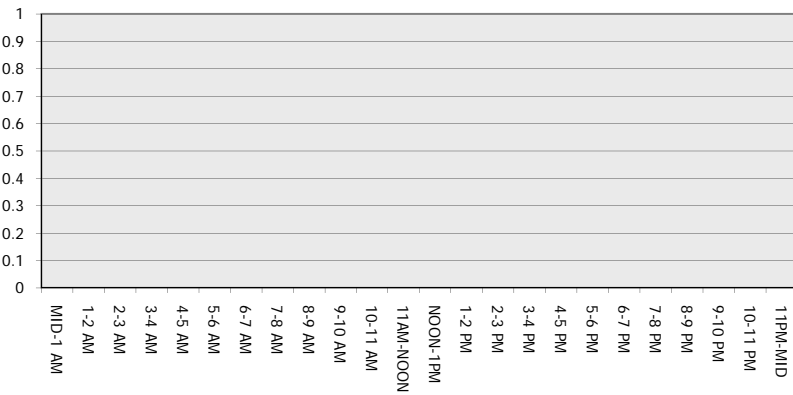
Main Route - Traffic Demand (Vehicles Per Hour)



Main Route Average Delay Per Vehicle (Minutes)



Main Route - Average Queue Length (Vehicles)



Main Route - Average Speed (MPH)

