

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	154	0.0	1500	154	0	0.44	0	66.1	61.1	44.8
1-2 AM	99	0.0	1500	99	0	0.43	0	66.2	61.2	45.1
2-3 AM	87	0.0	1500	87	0	0.43	0	66.2	61.3	45.1
3-4 AM	79	0.0	1500	79	0	0.43	0	66.3	61.3	45.1
4-5 AM	93	0.0	1500	93	0	0.43	0	66.2	61.3	45.1
5-6 AM	196	0.0	1500	196	0	0.44	0	66.0	61.0	44.7
6-7 AM	214	0.0	1500	214	0	0.44	0	66.0	60.9	44.6
7-8 AM	262	0.0	1500	262	0	0.45	0	65.9	60.8	44.4
8-9 AM	470	0.0	1500	470	0	0.47	0	65.5	60.3	43.6
9-10 AM	736	0.0	1500	736	0	0.49	0	65.0	59.6	42.6
10-11 AM	1000	0.0	1500	1000	0	0.52	0	64.5	58.9	41.7
11AM-NOON	1180	0.0	1500	1180	0	0.61	0	64.2	57.8	39.1
NOON-1PM	1254	0.0	1500	1254	0	0.71	0	64.0	56.8	36.8
1-2 PM	1233	0.0	1500	1233	0	0.68	0	64.1	57.1	37.4
2-3 PM	1217	0.0	1500	1217	0	0.66	0	64.1	57.3	37.9
3-4 PM	1195	0.0	1500	1195	0	0.63	0	64.1	57.6	38.6
4-5 PM	1178	0.0	1500	1178	0	0.61	0	64.2	57.8	39.2
5-6 PM	1138	0.0	1500	1138	0	0.56	0	64.3	58.4	40.6
6-7 PM	935	0.0	1500	935	0	0.51	0	64.6	59.1	41.9
7-8 PM	716	0.0	1500	716	0	0.49	0	65.1	59.7	42.7
8-9 PM	577	0.0	1500	577	0	0.48	0	65.3	60.0	43.2
9-10 PM	397	0.0	1500	397	0	0.46	0	65.6	60.5	43.9
10-11 PM	300	0.0	1500	300	0	0.45	0	65.8	60.7	44.3
11PM-MID	164	0.0	1500	164	0	0.44	0	66.1	61.1	44.8

----- 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	0.0140
MAIN ROUTE WITH WORKS	0.0130
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

ROAD USER COSTS PER DAY	\$2,189
CONGESTED HOURS PER DAY*	0

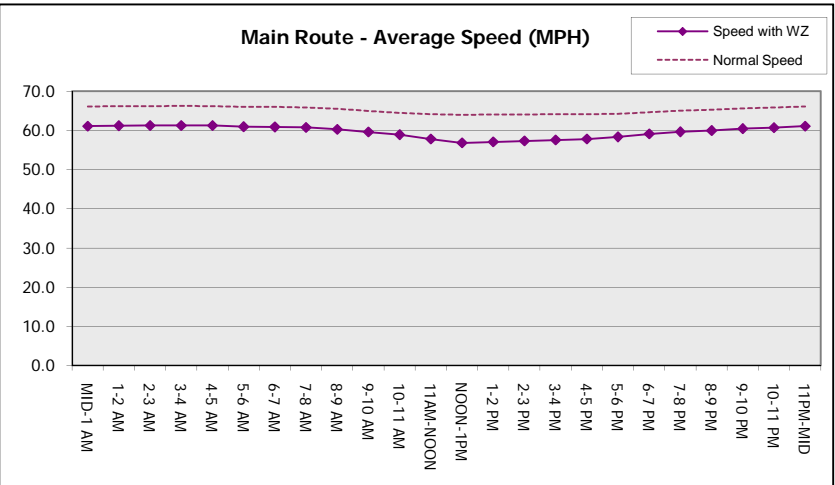
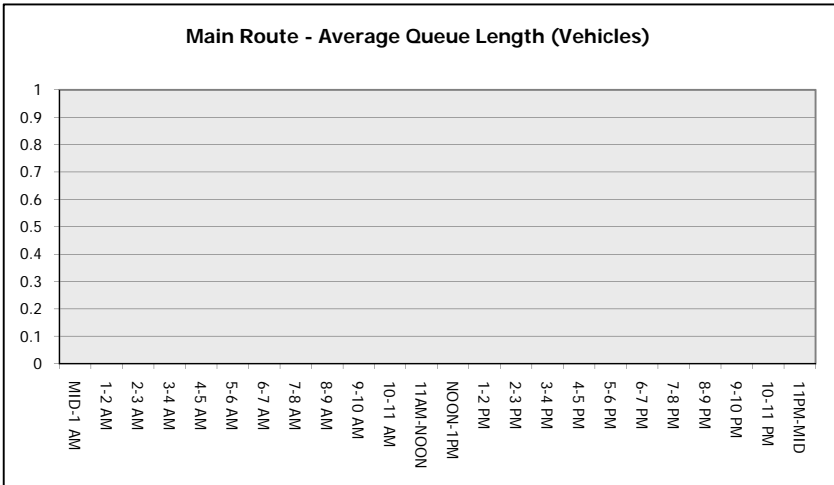
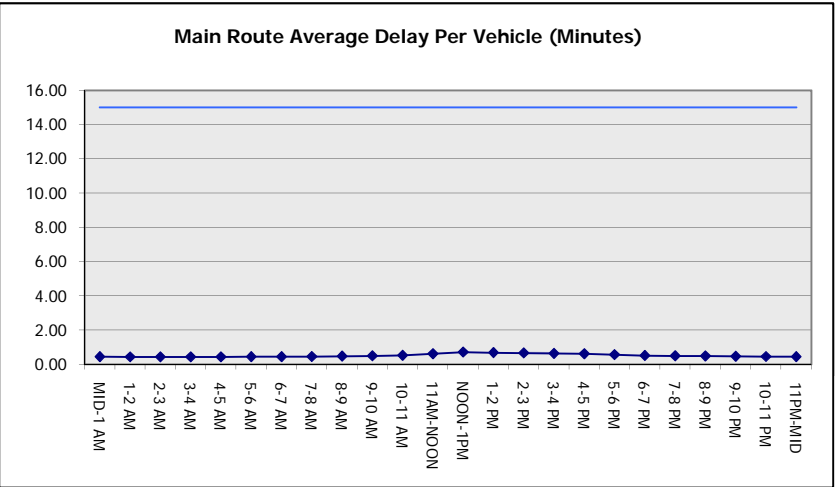
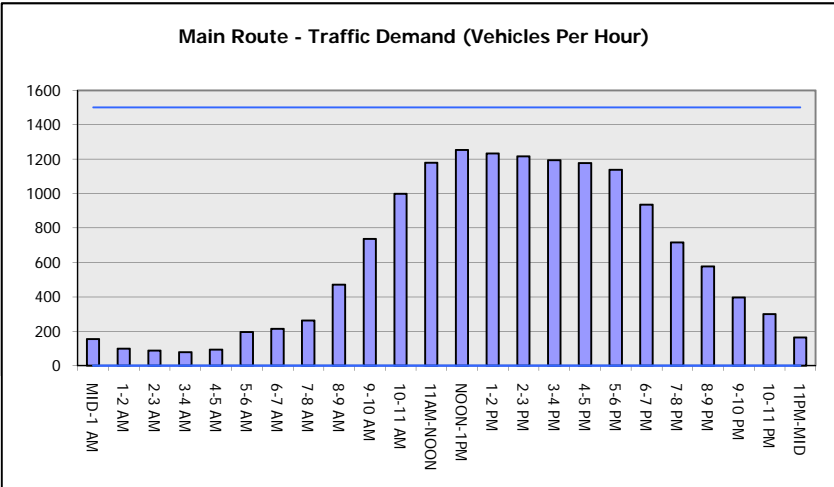
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

SUNDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	147	0.0	1500	147	0	0.44	0	66.1	61.1	44.9
1-2 AM	98	0.0	1500	98	0	0.43	0	66.2	61.2	45.1
2-3 AM	84	0.0	1500	84	0	0.43	0	66.2	61.3	45.1
3-4 AM	62	0.0	1500	62	0	0.43	0	66.3	61.4	45.3
4-5 AM	64	0.0	1500	64	0	0.43	0	66.3	61.4	45.2
5-6 AM	130	0.0	1500	130	0	0.44	0	66.1	61.2	45.0
6-7 AM	232	0.0	1500	232	0	0.44	0	66.0	60.9	44.5
7-8 AM	288	0.0	1500	288	0	0.45	0	65.8	60.7	44.3
8-9 AM	454	0.0	1500	454	0	0.47	0	65.5	60.3	43.7
9-10 AM	705	0.0	1500	705	0	0.49	0	65.1	59.7	42.7
10-11 AM	897	0.0	1500	897	0	0.51	0	64.7	59.2	42.0
11AM-NOON	1024	0.0	1500	1024	0	0.52	0	64.5	58.9	41.6
NOON-1PM	1134	0.0	1500	1134	0	0.55	0	64.3	58.4	40.7
1-2 PM	1024	0.0	1500	1024	0	0.52	0	64.5	58.9	41.6
2-3 PM	1091	0.0	1500	1091	0	0.53	0	64.3	58.7	41.4
3-4 PM	1026	0.0	1500	1026	0	0.52	0	64.5	58.9	41.6
4-5 PM	982	0.0	1500	982	0	0.52	0	64.6	59.0	41.7
5-6 PM	915	0.0	1500	915	0	0.51	0	64.7	59.2	42.0
6-7 PM	805	0.0	1500	805	0	0.50	0	64.9	59.4	42.4
7-8 PM	622	0.0	1500	622	0	0.48	0	65.2	59.9	43.0
8-9 PM	465	0.0	1500	465	0	0.47	0	65.5	60.3	43.7
9-10 PM	344	0.0	1500	344	0	0.46	0	65.8	60.6	44.1
10-11 PM	231	0.0	1500	231	0	0.44	0	66.0	60.9	44.6
11PM-MID	148	0.0	1500	148	0	0.44	0	66.1	61.1	44.9

----- 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	0.0122
MAIN ROUTE WITH WORKS	0.0113
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,685
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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