

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

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	94	0.0	1500	94	0	0.43	0	66.2	61.3	45.1	
1-2 AM	83	0.0	1500	83	0	0.43	0	66.2	61.3	45.1	
2-3 AM	85	0.0	1500	85	0	0.43	0	66.2	61.3	45.1	
3-4 AM	94	0.0	1500	94	0	0.43	0	66.2	61.3	45.1	
4-5 AM	262	0.0	1500	262	0	0.45	0	65.9	60.8	44.4	
5-6 AM	769	0.0	OFF	769	0	0.00	0	65.0	65.0	65.0	
6-7 AM	1240	0.0	OFF	1240	0	0.00	0	64.1	64.1	64.1	
7-8 AM	1586	0.0	OFF	1586	0	0.00	0	63.4	63.4	63.4	
8-9 AM	1193	0.0	OFF	1193	0	0.00	0	64.1	64.1	64.1	
9-10 AM	1044	0.0	OFF	1044	0	0.00	0	64.5	64.5	64.5	
10-11 AM	1057	0.0	OFF	1057	0	0.00	0	64.4	64.4	64.4	
11AM-NOON	1082	0.0	OFF	1082	0	0.00	0	64.4	64.4	64.4	
NOON-1PM	1201	0.0	OFF	1201	0	0.00	0	64.1	64.1	64.1	
1-2 PM	1268	0.0	OFF	1268	0	0.00	0	64.0	64.0	64.0	
2-3 PM	1401	0.0	OFF	1401	0	0.00	0	63.8	63.8	63.8	
3-4 PM	1586	0.0	OFF	1586	0	0.00	0	63.4	63.4	63.4	
4-5 PM	1705	0.0	OFF	1705	0	0.00	0	63.2	63.2	63.2	
5-6 PM	1621	0.0	OFF	1621	0	0.00	0	63.3	63.3	63.3	
6-7 PM	1186	0.0	OFF	1186	0	0.00	0	64.1	64.1	64.1	
7-8 PM	813	0.0	1500	813	0	0.50	0	64.9	59.4	42.4	
8-9 PM	637	0.0	1500	637	0	0.48	0	65.2	59.9	43.0	
9-10 PM	565	0.0	1500	565	0	0.48	0	65.3	60.1	43.3	
10-11 PM	433	0.0	1500	433	0	0.46	0	65.6	60.4	43.8	
11PM-MID	279	0.0	1500	279	0	0.45	0	65.9	60.8	44.3	

"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	0.0200
MAIN ROUTE WITH WORKS	0.0198
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$341
CONGESTED HOURS PER DAY*	0

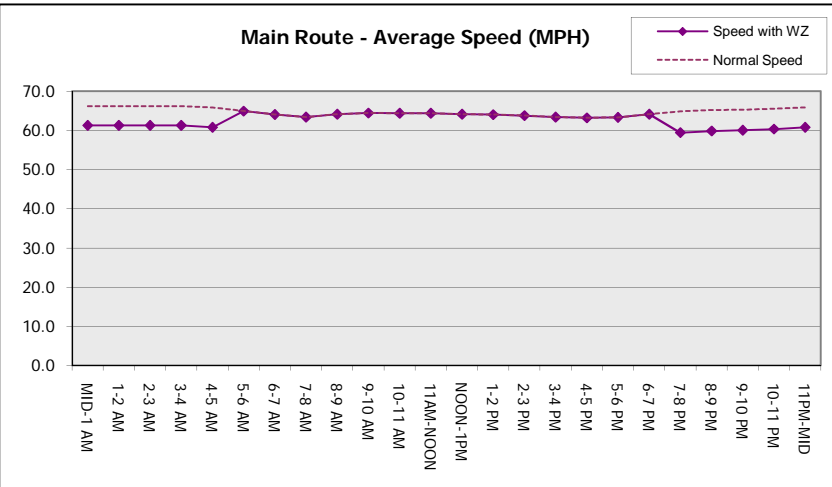
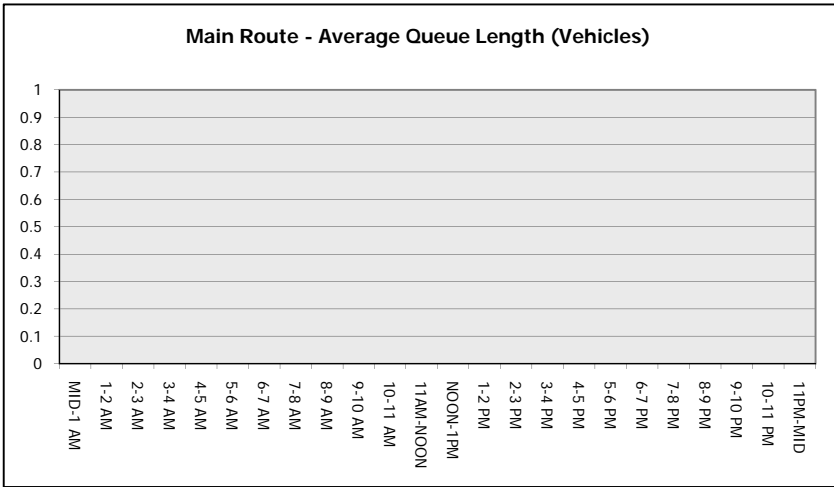
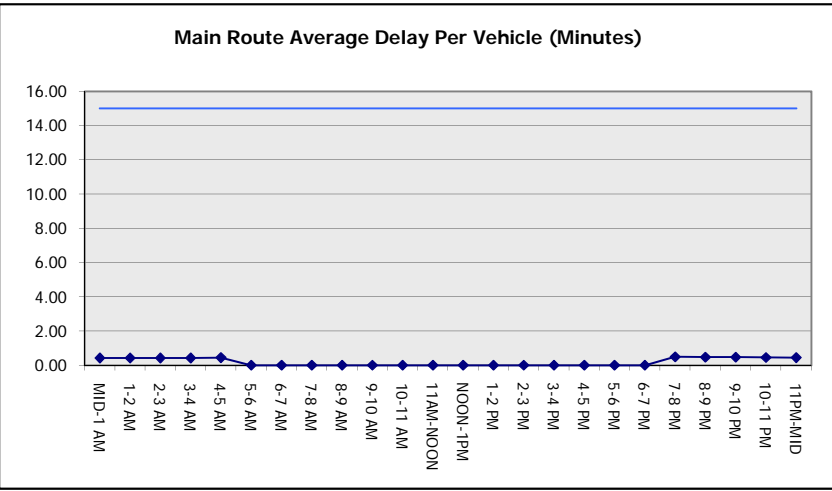
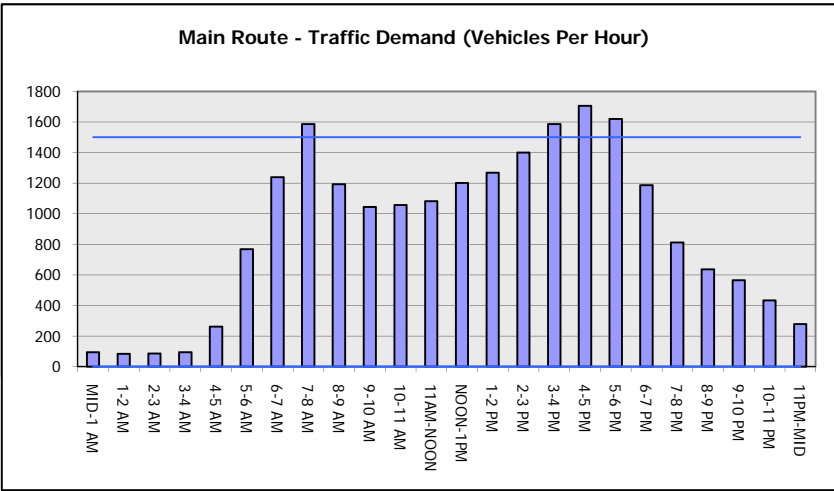
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	140	0.0	1500	140	0	0.44	0	66.1	61.2	44.9
1-2 AM	103	0.0	1500	103	0	0.43	0	66.2	61.2	45.1
2-3 AM	83	0.0	1500	83	0	0.43	0	66.2	61.3	45.1
3-4 AM	106	0.0	1500	106	0	0.43	0	66.2	61.2	45.1
4-5 AM	191	0.0	1500	191	0	0.44	0	66.0	61.0	44.7
5-6 AM	475	0.0	OFF	475	0	0.00	0	65.5	65.5	65.5
6-7 AM	1178	0.0	OFF	1178	0	0.00	0	64.2	64.2	64.2
7-8 AM	1497	0.0	OFF	1497	0	0.00	0	63.6	63.6	63.6
8-9 AM	1115	0.0	OFF	1115	0	0.00	0	64.3	64.3	64.3
9-10 AM	1068	0.0	OFF	1068	0	0.00	0	64.4	64.4	64.4
10-11 AM	1151	0.0	OFF	1151	0	0.00	0	64.2	64.2	64.2
11AM-NOON	1263	0.0	OFF	1263	0	0.00	0	64.0	64.0	64.0
NOON-1PM	1371	0.0	OFF	1371	0	0.00	0	63.8	63.8	63.8
1-2 PM	1504	0.0	OFF	1504	0	0.00	0	63.6	63.6	63.6
2-3 PM	1772	0.0	OFF	1772	0	0.00	0	63.1	63.1	63.1
3-4 PM	2064	0.0	OFF	2064	0	0.00	0	62.5	62.5	62.5
4-5 PM	2312	0.0	OFF	2312	0	0.00	0	62.1	62.1	62.1
5-6 PM	2088	0.0	OFF	2088	0	0.00	0	62.5	62.5	62.5
6-7 PM	1513	0.0	OFF	1513	0	0.00	0	63.6	63.6	63.6
7-8 PM	1050	0.0	1500	1050	0	0.52	0	64.5	58.8	41.5
8-9 PM	838	0.0	1500	838	0	0.50	0	64.8	59.4	42.2
9-10 PM	674	0.0	1500	674	0	0.49	0	65.1	59.7	42.8
10-11 PM	589	0.0	1500	589	0	0.48	0	65.3	60.0	43.2
11PM-MID	392	0.0	1500	392	0	0.46	0	65.6	60.5	43.9

"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	0.0230
MAIN ROUTE WITH WORKS	0.0228
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$438
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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