

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

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	1500	769	0	0.50	0	65.0	59.6	42.5	
6-7 AM	1240	0.0	1499	1240	0	0.69	0	64.1	57.0	37.4	
7-8 AM	1586	0.0	1499	1586	0	2.59	44	63.4	43.3	30.8	
8-9 AM	1193	0.0	1500	1193	0	1.12	15	64.1	53.3	38.1	
9-10 AM	1044	0.0	1500	1044	0	0.52	0	64.5	58.8	41.5	
10-11 AM	1057	0.0	1500	1057	0	0.52	0	64.4	58.8	41.5	
11AM-NOON	1082	0.0	1500	1082	0	0.53	0	64.4	58.7	41.4	
NOON-1PM	1201	0.0	1500	1201	0	0.64	0	64.1	57.5	38.4	
1-2 PM	1268	0.0	1500	1268	0	0.72	0	64.0	56.6	36.4	
2-3 PM	1401	0.0	1499	1401	0	0.90	0	63.8	54.9	33.0	
3-4 PM	1586	0.0	1499	1586	0	2.18	33	63.4	45.6	30.8	
4-5 PM	1705	0.0	1500	1705	0	7.65	187	63.2	26.7	30.8	
5-6 PM	1621	0.0	1499	1610	11	14.52+	366	63.3	17.6	30.8	
6-7 PM	1186	0.0	1499	1186	0	10.18+	269	64.1	22.5	32.7	
7-8 PM	813	0.0	1500	813	0	0.68	6	64.9	57.7	42.3	
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	

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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

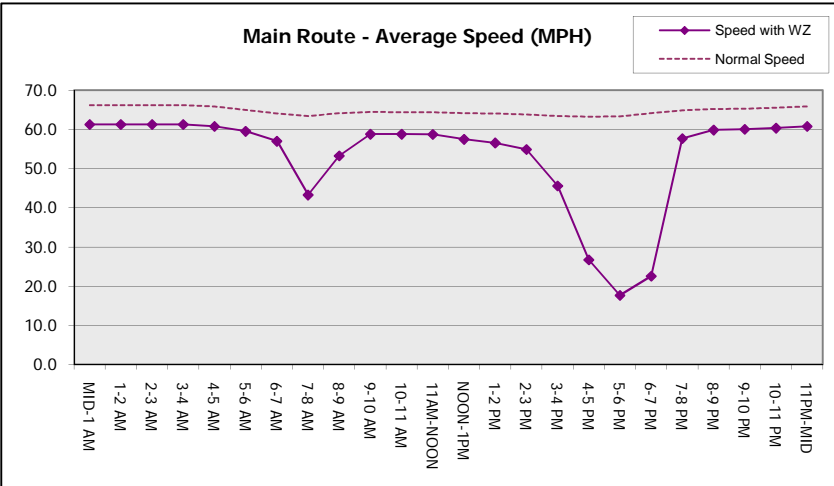
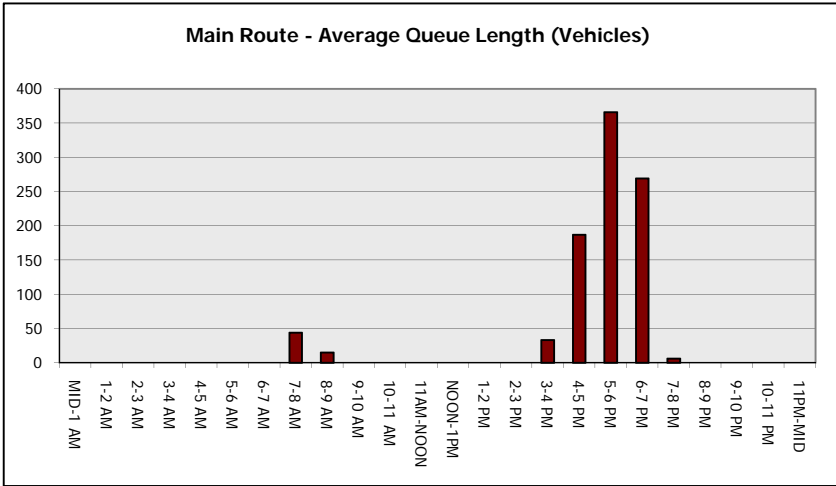
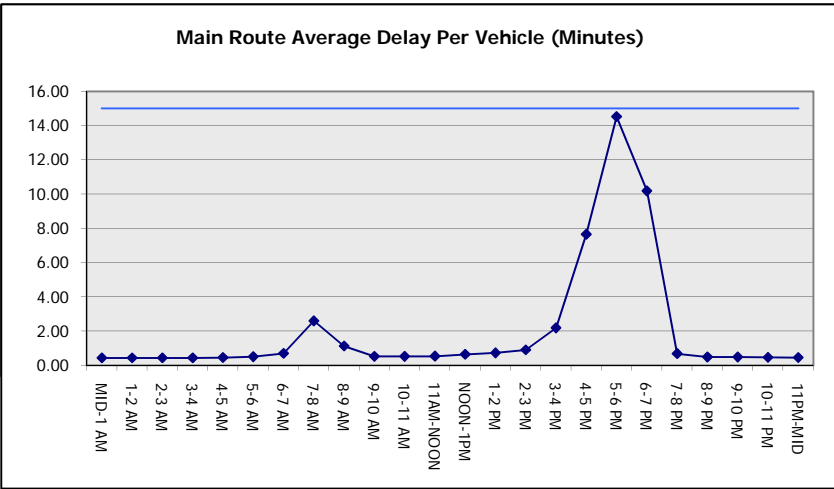
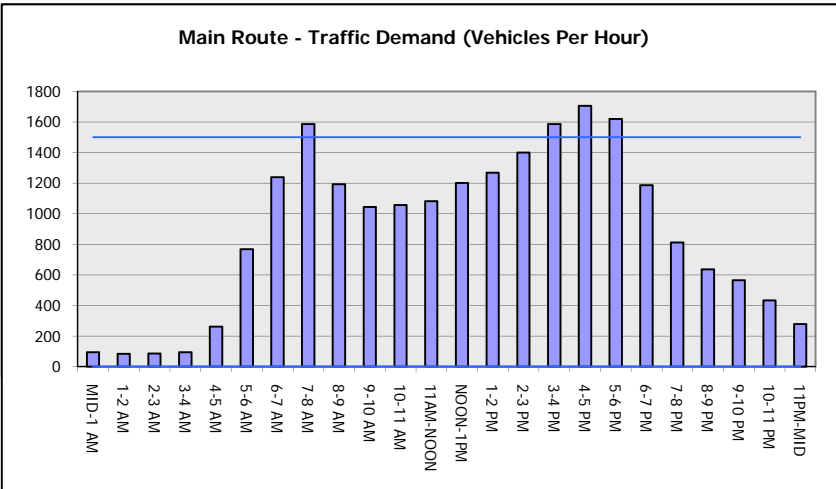
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0200
MAIN ROUTE WITH WORKS	0.0186
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$14,648
CONGESTED HOURS PER DAY*	2

*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	1500	475	0	0.47	0	65.5	60.3	43.6
6-7 AM	1178	0.0	1499	1178	0	0.65	0	64.2	57.4	38.4
7-8 AM	1497	0.0	1499	1497	0	1.05	0	63.6	53.5	30.9
8-9 AM	1115	0.0	1500	1115	0	0.53	0	64.3	58.7	41.3
9-10 AM	1068	0.0	1500	1068	0	0.53	0	64.4	58.7	41.4
10-11 AM	1151	0.0	1500	1151	0	0.57	0	64.2	58.2	40.1
11AM-NOON	1263	0.0	1500	1263	0	0.72	0	64.0	56.7	36.5
NOON-1PM	1371	0.0	1499	1371	0	0.86	0	63.8	55.3	33.7
1-2 PM	1504	0.0	1499	1504	0	1.23	6	63.6	52.1	31.2
2-3 PM	1772	0.0	1500	1772	0	5.80	145	63.1	31.0	30.8
3-4 PM	2064	0.0	1499	1604	460	15.35+	389	62.5	16.8	30.8
4-5 PM	2312	0.0	1500	1500	812	15.72+	400	62.1	16.5	30.8
5-6 PM	2088	0.0	1500	1500	588	15.76+	400	62.5	16.5	30.8
6-7 PM	1513	0.0	1500	1442	71	15.34+	386	63.6	17.0	30.8
7-8 PM	1050	0.0	1499	1050	0	4.59	151	64.5	35.1	36.8
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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

----- 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	0.0197
'DIVERSION'	0.0042

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$33,519
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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