

USH 41: IH 43 TO STH 29 (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	148	0.0	1500	148	0	0.44	0	66.1	53.3	44.9
1-2 AM	129	0.0	1500	129	0	0.43	0	66.1	53.3	45.0
2-3 AM	120	0.0	1500	120	0	0.43	0	66.1	53.4	45.0
3-4 AM	159	0.0	1500	159	0	0.44	0	66.1	53.2	44.8
4-5 AM	418	0.0	1500	418	0	0.46	0	65.6	52.4	43.8
5-6 AM	1161	0.0	OFF	1161	0	0.00	0	64.2	64.2	64.2
6-7 AM	2438	0.0	OFF	2438	0	0.00	0	61.5	61.5	61.5
7-8 AM	3043	0.0	OFF	3043	0	0.00	0	55.3	55.3	55.3
8-9 AM	2197	0.0	OFF	2197	0	0.00	0	62.3	62.3	62.3
9-10 AM	1885	0.0	OFF	1885	0	0.00	0	62.8	62.8	62.8
10-11 AM	1883	0.0	OFF	1883	0	0.00	0	62.8	62.8	62.8
11AM-NOON	1982	0.0	OFF	1982	0	0.00	0	62.7	62.7	62.7
NOON-1PM	2055	0.0	OFF	2055	0	0.00	0	62.5	62.5	62.5
1-2 PM	2057	0.0	OFF	2057	0	0.00	0	62.5	62.5	62.5
2-3 PM	2139	0.0	OFF	2139	0	0.00	0	62.4	62.4	62.4
3-4 PM	2233	0.0	OFF	2233	0	0.00	0	62.2	62.2	62.2
4-5 PM	2356	0.0	OFF	2356	0	0.00	0	62.0	62.0	62.0
5-6 PM	2182	0.0	OFF	2182	0	0.00	0	62.3	62.3	62.3
6-7 PM	1741	0.0	OFF	1741	0	0.00	0	63.2	63.2	63.2
7-8 PM	1223	0.0	1500	1223	0	0.67	0	64.1	47.3	37.8
8-9 PM	891	0.0	1500	891	0	0.51	0	64.7	50.8	42.0
9-10 PM	755	0.0	1500	755	0	0.50	0	65.0	51.2	42.5
10-11 PM	532	0.0	1500	532	0	0.47	0	65.4	52.0	43.4
11PM-MID	383	0.0	1500	383	0	0.46	0	65.7	52.5	44.0

"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

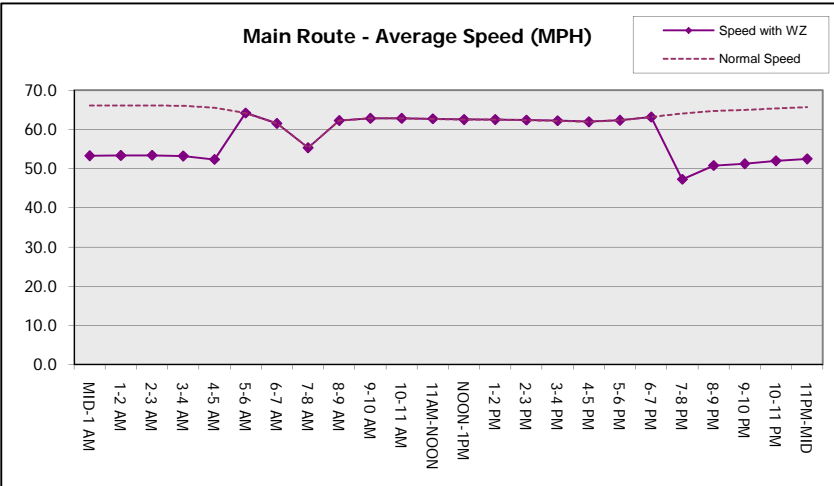
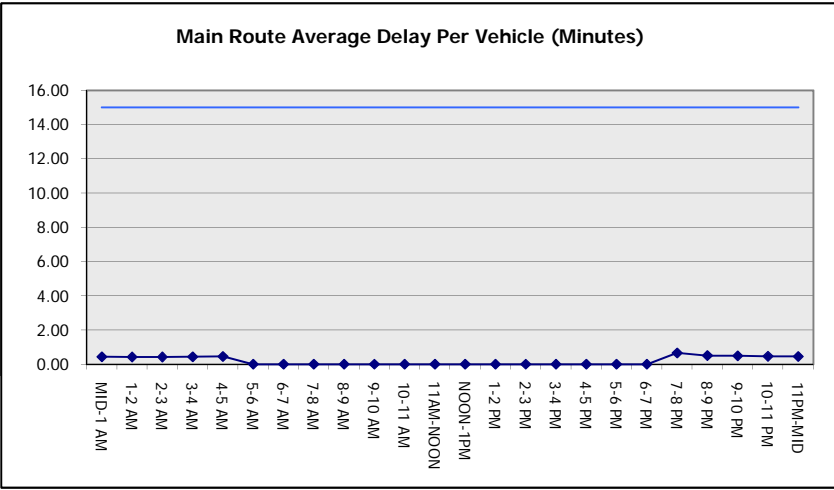
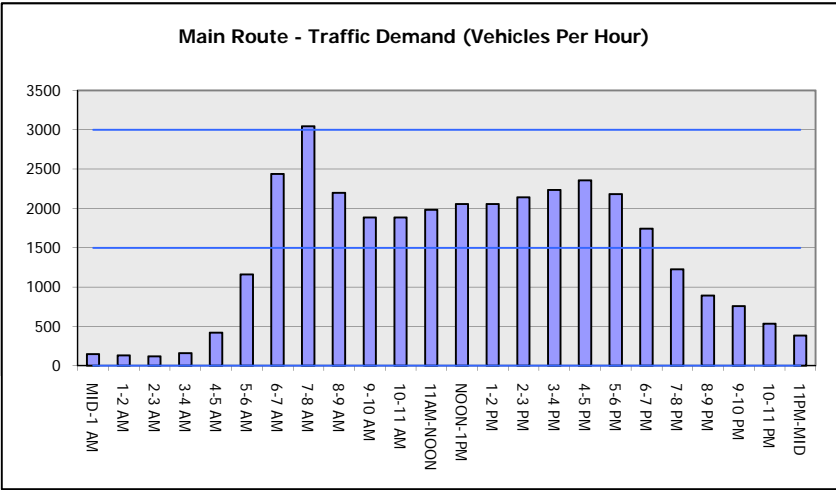
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0109
MAIN ROUTE WITH WORKS	0.0105
'DIVERSION'	0.0000
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$624
CONGESTED HOURS PER DAY*	0

*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	243	0.0	1500	243	0	0.45	0	66.0	53.0	44.5
1-2 AM	163	0.0	1500	163	0	0.44	0	66.1	53.2	44.8
2-3 AM	160	0.0	1500	160	0	0.44	0	66.1	53.2	44.8
3-4 AM	149	0.0	1500	149	0	0.44	0	66.1	53.3	44.9
4-5 AM	213	0.0	1500	213	0	0.44	0	66.0	53.0	44.6
5-6 AM	564	0.0	OFF	564	0	0.00	0	65.3	65.3	65.3
6-7 AM	1196	0.0	OFF	1196	0	0.00	0	64.1	64.1	64.1
7-8 AM	1437	0.0	OFF	1437	0	0.00	0	63.7	63.7	63.7
8-9 AM	1438	0.0	OFF	1438	0	0.00	0	63.7	63.7	63.7
9-10 AM	1541	0.0	OFF	1541	0	0.00	0	63.5	63.5	63.5
10-11 AM	1760	0.0	OFF	1760	0	0.00	0	63.1	63.1	63.1
11AM-NOON	1951	0.0	OFF	1951	0	0.00	0	62.7	62.7	62.7
NOON-1PM	2267	0.0	OFF	2267	0	0.00	0	62.2	62.2	62.2
1-2 PM	2430	0.0	OFF	2430	0	0.00	0	61.6	61.6	61.6
2-3 PM	2745	0.0	OFF	2745	0	0.00	0	58.4	58.4	58.4
3-4 PM	3286	0.0	OFF	3286	0	0.00	0	52.8	52.8	52.8
4-5 PM	3615	0.0	OFF	3615	0	0.00	0	49.5	49.5	49.5
5-6 PM	2826	0.0	OFF	2826	0	0.00	0	57.6	57.6	57.6
6-7 PM	2375	0.0	OFF	2375	0	0.00	0	62.0	62.0	62.0
7-8 PM	1907	0.0	1499	1907	0	8.46	227	62.8	12.8	30.8
8-9 PM	1604	0.0	1499	1514	89	16.65+	421	63.4	8.8	30.8
9-10 PM	1280	0.0	1499	1280	0	13.08+	330	64.0	9.9	30.9
10-11 PM	993	0.0	1500	993	0	1.45	47	64.5	36.3	39.8
11PM-MID	632	0.0	1500	632	0	0.48	0	65.2	51.6	43.0

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0117
MAIN ROUTE WITH WORKS	0.0112
'DIVERSION'	0.0001

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$15,335
CONGESTED HOURS PER DAY*	2

*Delays Exceeding User-Specified Maximum

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