

<b>USH 41: IH 43 TO STH 29 (BROWN COUNTY)                  NIGHTTIME CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	241	0.0	1500	241	0	0.45	0	66.0	53.0	44.5
1-2 AM	147	0.0	1500	147	0	0.44	0	66.1	53.3	44.9
2-3 AM	160	0.0	1500	160	0	0.44	0	66.1	53.2	44.8
3-4 AM	116	0.0	1500	116	0	0.43	0	66.2	53.4	45.0
4-5 AM	119	0.0	1500	119	0	0.43	0	66.1	53.4	45.0
5-6 AM	270	0.0	1500	270	0	0.45	0	65.9	52.8	44.4
6-7 AM	351	0.0	1500	351	0	0.46	0	65.7	52.6	44.1
7-8 AM	478	0.0	1500	478	0	0.47	0	65.5	52.2	43.6
8-9 AM	817	0.0	1500	817	0	0.50	0	64.8	51.0	42.4
9-10 AM	1374	0.0	OFF	1374	0	0.00	0	63.8	63.8	63.8
10-11 AM	1857	0.0	OFF	1857	0	0.00	0	62.9	62.9	62.9
11AM-NOON	2323	0.0	OFF	2323	0	0.00	0	62.0	62.0	62.0
NOON-1PM	2461	0.0	OFF	2461	0	0.00	0	61.3	61.3	61.3
1-2 PM	2328	0.0	OFF	2328	0	0.00	0	62.0	62.0	62.0
2-3 PM	2363	0.0	OFF	2363	0	0.00	0	62.0	62.0	62.0
3-4 PM	2361	0.0	OFF	2361	0	0.00	0	62.0	62.0	62.0
4-5 PM	2175	0.0	OFF	2175	0	0.00	0	62.3	62.3	62.3
5-6 PM	1992	0.0	OFF	1992	0	0.00	0	62.7	62.7	62.7
6-7 PM	1658	0.0	OFF	1658	0	0.00	0	63.3	63.3	63.3
7-8 PM	1291	0.0	1500	1291	0	0.75	0	64.0	45.6	35.8
8-9 PM	1028	0.0	1500	1028	0	0.52	0	64.5	50.4	41.6
9-10 PM	689	0.0	1500	689	0	0.49	0	65.1	51.4	42.8
10-11 PM	421	0.0	1500	421	0	0.46	0	65.6	52.4	43.8
11PM-MID	221	0.0	1500	221	0	0.44	0	66.0	53.0	44.6

"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

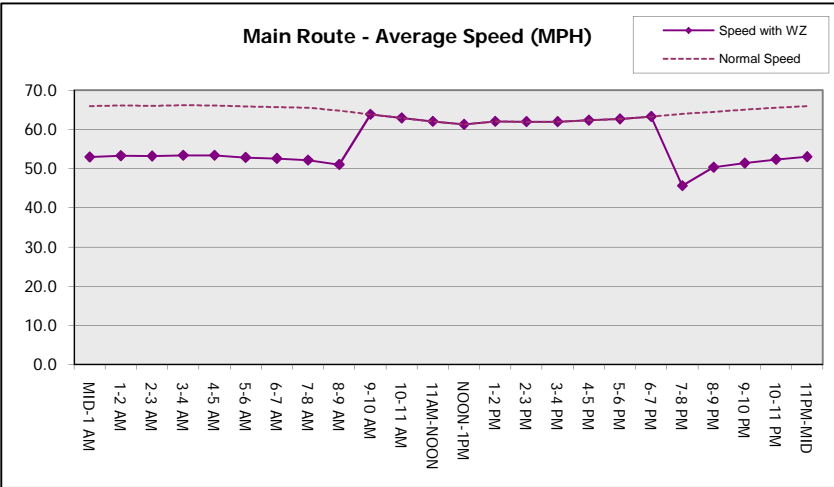
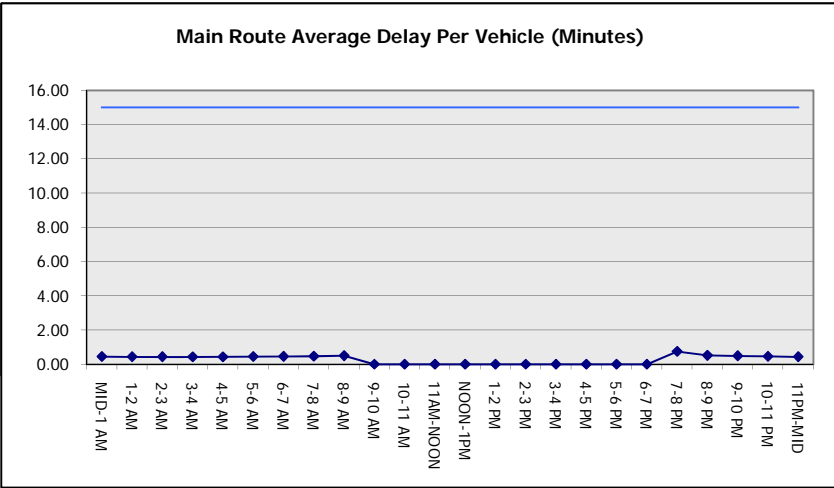
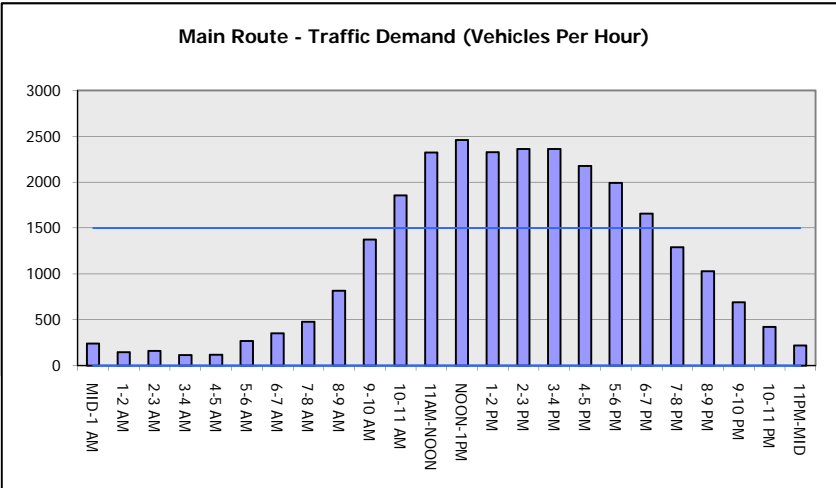
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0087
MAIN ROUTE WITH WORKS	0.0083
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$809
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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NIGHTTIME CLOSURE  
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**AUGUST**  
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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	355	0.0	1500	355	0	0.46	0	65.7	52.5	44.1
1-2 AM	188	0.0	1500	188	0	0.44	0	66.0	53.2	44.7
2-3 AM	153	0.0	1500	153	0	0.44	0	66.1	53.3	44.9
3-4 AM	133	0.0	1500	133	0	0.44	0	66.1	53.3	45.0
4-5 AM	117	0.0	1500	117	0	0.43	0	66.1	53.4	45.0
5-6 AM	167	0.0	1500	167	0	0.44	0	66.1	53.2	44.8
6-7 AM	287	0.0	1500	287	0	0.45	0	65.8	52.8	44.3
7-8 AM	374	0.0	1500	374	0	0.46	0	65.7	52.5	44.0
8-9 AM	556	0.0	1500	556	0	0.48	0	65.3	51.9	43.3
9-10 AM	910	0.0	OFF	910	0	0.00	0	64.7	64.7	64.7
10-11 AM	1366	0.0	OFF	1366	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1623	0.0	OFF	1623	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1819	0.0	OFF	1819	0	0.00	0	63.0	63.0	63.0
1-2 PM	1824	0.0	OFF	1824	0	0.00	0	63.0	63.0	63.0
2-3 PM	1855	0.0	OFF	1855	0	0.00	0	62.9	62.9	62.9
3-4 PM	1885	0.0	OFF	1885	0	0.00	0	62.8	62.8	62.8
4-5 PM	1743	0.0	OFF	1743	0	0.00	0	63.2	63.2	63.2
5-6 PM	1590	0.0	OFF	1590	0	0.00	0	63.4	63.4	63.4
6-7 PM	1460	0.0	OFF	1460	0	0.00	0	63.7	63.7	63.7
7-8 PM	1129	0.0	1500	1129	0	0.55	0	64.3	49.7	40.9
8-9 PM	874	0.0	1500	874	0	0.51	0	64.8	50.9	42.1
9-10 PM	652	0.0	1500	652	0	0.49	0	65.1	51.5	42.9
10-11 PM	455	0.0	1500	455	0	0.47	0	65.5	52.2	43.7
11PM-MID	298	0.0	1500	298	0	0.45	0	65.8	52.8	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	0.0069
MAIN ROUTE WITH WORKS	0.0066
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$667
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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