

<b>USH 41: CTH M TO IH 43 (BROWN COUNTY)</b> <b>NIGHTTIME CLOSURE</b> <b>NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	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	145	0.0	1500	145	0	0.44	0	66.1	54.2	44.9	
1-2 AM	91	0.0	1500	91	0	0.43	0	66.2	54.4	45.1	
2-3 AM	134	0.0	1500	134	0	0.44	0	66.1	54.3	45.0	
3-4 AM	168	0.0	1500	168	0	0.44	0	66.1	54.2	44.8	
4-5 AM	501	0.0	1500	501	0	0.47	0	65.5	53.0	43.5	
5-6 AM	1325	0.0	OFF	1325	0	0.00	0	63.9	63.9	63.9	
6-7 AM	2285	0.0	OFF	2285	0	0.00	0	62.1	62.1	62.1	
7-8 AM	2525	0.0	OFF	2525	0	0.00	0	60.6	60.6	60.6	
8-9 AM	1729	0.0	OFF	1729	0	0.00	0	63.2	63.2	63.2	
9-10 AM	1634	0.0	OFF	1634	0	0.00	0	63.3	63.3	63.3	
10-11 AM	1724	0.0	OFF	1724	0	0.00	0	63.2	63.2	63.2	
11AM-NOON	1787	0.0	OFF	1787	0	0.00	0	63.0	63.0	63.0	
NOON-1PM	1759	0.0	OFF	1759	0	0.00	0	63.1	63.1	63.1	
1-2 PM	1789	0.0	OFF	1789	0	0.00	0	63.0	63.0	63.0	
2-3 PM	1829	0.0	OFF	1829	0	0.00	0	63.0	63.0	63.0	
3-4 PM	1755	0.0	OFF	1755	0	0.00	0	63.1	63.1	63.1	
4-5 PM	1768	0.0	OFF	1768	0	0.00	0	63.1	63.1	63.1	
5-6 PM	1752	0.0	OFF	1752	0	0.00	0	63.1	63.1	63.1	
6-7 PM	1365	0.0	OFF	1365	0	0.00	0	63.8	63.8	63.8	
7-8 PM	912	0.0	1500	912	0	0.51	0	64.7	51.7	42.0	
8-9 PM	728	0.0	1500	728	0	0.49	0	65.0	52.3	42.7	
9-10 PM	562	0.0	1500	562	0	0.48	0	65.3	52.8	43.3	
10-11 PM	422	0.0	1500	422	0	0.46	0	65.6	53.3	43.8	
11PM-MID	241	0.0	1500	241	0	0.45	0	66.0	53.9	44.5	

**"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

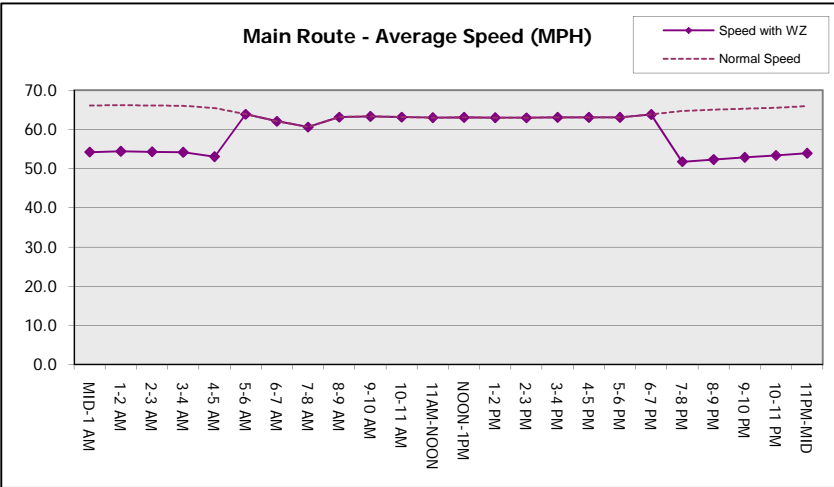
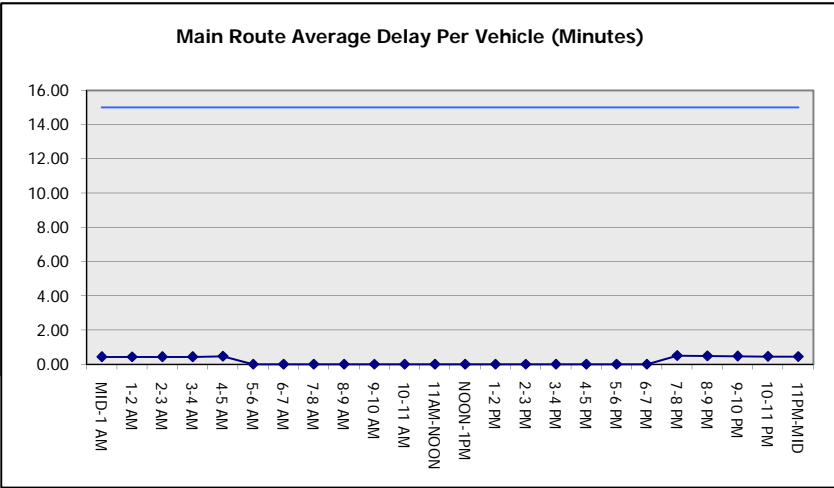
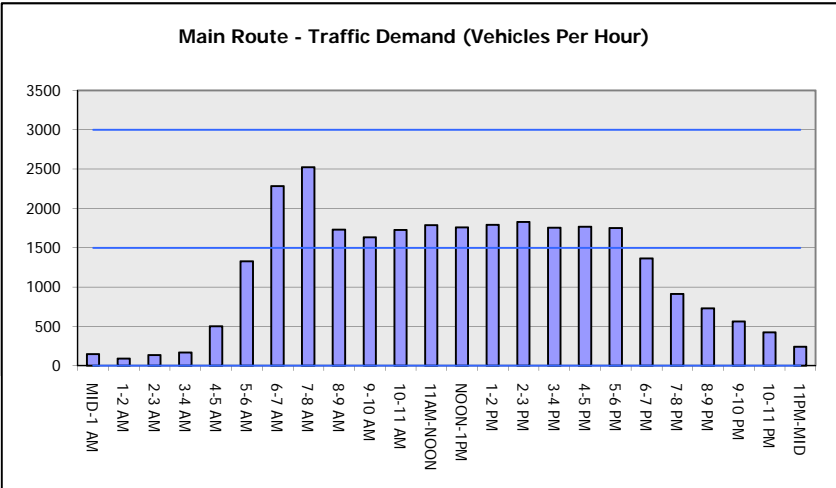
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0101
MAIN ROUTE WITH WORKS	0.0099
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$456
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

**USH 41: CTH M TO IH 43 (BROWN COUNTY)  
NIGHTTIME CLOSURE  
NO DIVERSION ROUTE (MAX QUEUE METHOD)**

**AUGUST**  
Analyzed for 2009  
Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>USH 41: CTH M TO IH 43 (BROWN COUNTY)                  NIGHTTIME CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**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	267	0.0	1500	267	0	0.45	0	65.9	53.8	44.4
1-2 AM	191	0.0	1500	191	0	0.44	0	66.0	54.1	44.7
2-3 AM	164	0.0	1500	164	0	0.44	0	66.1	54.2	44.8
3-4 AM	160	0.0	1500	160	0	0.44	0	66.1	54.2	44.8
4-5 AM	188	0.0	1500	188	0	0.44	0	66.0	54.1	44.7
5-6 AM	446	0.0	OFF	446	0	0.00	0	65.6	65.6	65.6
6-7 AM	862	0.0	OFF	862	0	0.00	0	64.8	64.8	64.8
7-8 AM	1015	0.0	OFF	1015	0	0.00	0	64.5	64.5	64.5
8-9 AM	1172	0.0	OFF	1172	0	0.00	0	64.2	64.2	64.2
9-10 AM	1405	0.0	OFF	1405	0	0.00	0	63.8	63.8	63.8
10-11 AM	1674	0.0	OFF	1674	0	0.00	0	63.3	63.3	63.3
11AM-NOON	1872	0.0	OFF	1872	0	0.00	0	62.9	62.9	62.9
NOON-1PM	2101	0.0	OFF	2101	0	0.00	0	62.5	62.5	62.5
1-2 PM	2458	0.0	OFF	2458	0	0.00	0	61.3	61.3	61.3
2-3 PM	2750	0.0	OFF	2750	0	0.00	0	58.3	58.3	58.3
3-4 PM	3346	0.0	OFF	3346	0	0.00	0	52.2	52.2	52.2
4-5 PM	3876	0.0	OFF	3876	0	0.00	0	46.8	46.8	46.8
5-6 PM	3622	0.0	OFF	3622	0	0.00	0	49.4	49.4	49.4
6-7 PM	2800	0.0	OFF	2800	0	0.00	0	57.8	57.8	57.8
7-8 PM	2011	0.0	1499	1938	73	10.46+	283	62.7	11.7	30.8
8-9 PM	1598	0.0	1500	1473	125	16.64+	421	63.4	9.0	30.8
9-10 PM	1261	0.0	1499	1261	0	12.29+	312	64.0	10.5	31.1
10-11 PM	947	0.0	1500	947	0	1.13	31	64.6	41.7	41.2
11PM-MID	627	0.0	1500	627	0	0.48	0	65.2	52.7	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	0.0129
MAIN ROUTE WITH WORKS	0.0123
'DIVERSION'	0.0002

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$15,885
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding User-Specified Maximum

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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

