

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	138	0.0	1500	138	0	0.44	0	66.1	54.3	45.0	
1-2 AM	92	0.0	1500	92	0	0.43	0	66.2	54.4	45.1	
2-3 AM	114	0.0	1500	114	0	0.43	0	66.2	54.3	45.0	
3-4 AM	87	0.0	1500	87	0	0.43	0	66.2	54.5	45.1	
4-5 AM	238	0.0	1500	238	0	0.45	0	66.0	53.9	44.5	
5-6 AM	456	0.0	1500	456	0	0.47	0	65.5	53.2	43.7	
6-7 AM	657	0.0	1500	657	0	0.49	0	65.1	52.5	42.9	
7-8 AM	821	0.0	1500	821	0	0.50	0	64.8	52.0	42.3	
8-9 AM	1326	0.0	OFF	1326	0	0.00	0	63.9	63.9	63.9	
9-10 AM	1583	0.0	OFF	1583	0	0.00	0	63.5	63.5	63.5	
10-11 AM	1826	0.0	OFF	1826	0	0.00	0	63.0	63.0	63.0	
11AM-NOON	1761	0.0	OFF	1761	0	0.00	0	63.1	63.1	63.1	
NOON-1PM	1700	0.0	OFF	1700	0	0.00	0	63.2	63.2	63.2	
1-2 PM	1661	0.0	OFF	1661	0	0.00	0	63.3	63.3	63.3	
2-3 PM	1622	0.0	OFF	1622	0	0.00	0	63.3	63.3	63.3	
3-4 PM	1601	0.0	OFF	1601	0	0.00	0	63.4	63.4	63.4	
4-5 PM	1740	0.0	OFF	1740	0	0.00	0	63.2	63.2	63.2	
5-6 PM	1646	0.0	OFF	1646	0	0.00	0	63.3	63.3	63.3	
6-7 PM	1487	0.0	1500	1487	0	1.01	0	63.6	42.8	31.1	
7-8 PM	1629	0.0	1499	1629	0	3.50	73	63.3	23.7	30.8	
8-9 PM	1200	0.0	1499	1200	0	1.64	42	64.1	35.7	36.8	
9-10 PM	723	0.0	1500	723	0	0.49	0	65.0	52.4	42.7	
10-11 PM	410	0.0	1500	410	0	0.46	0	65.6	53.3	43.8	
11PM-MID	262	0.0	1500	262	0	0.45	0	65.9	53.8	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

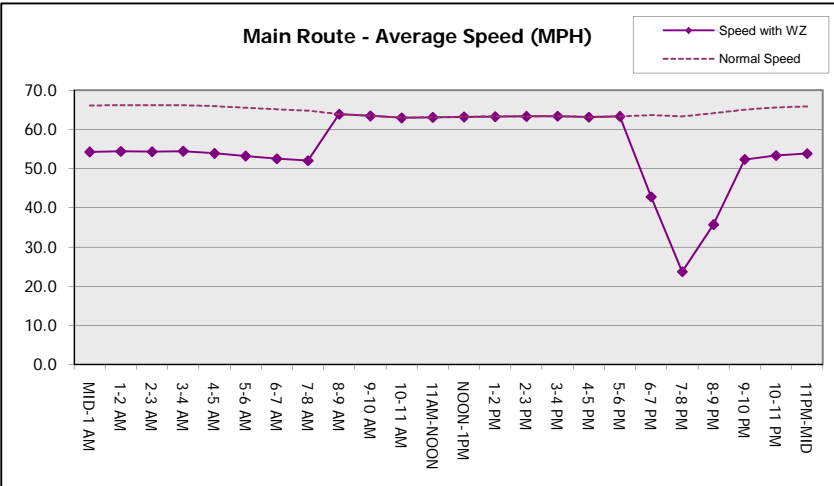
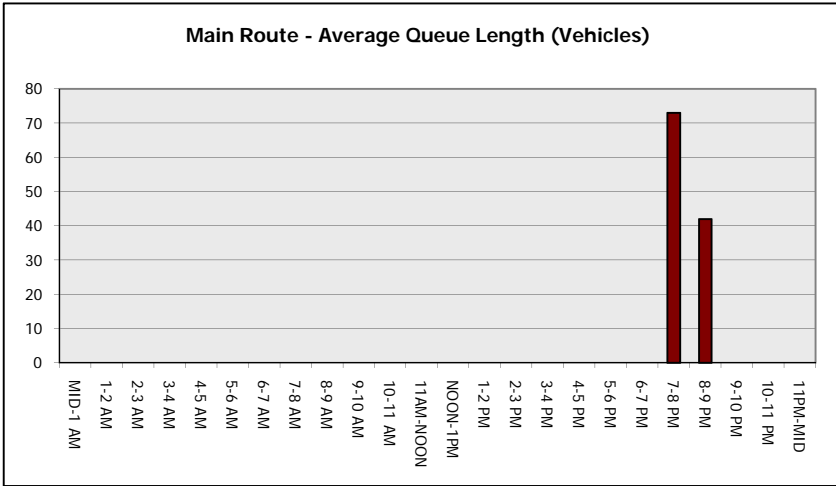
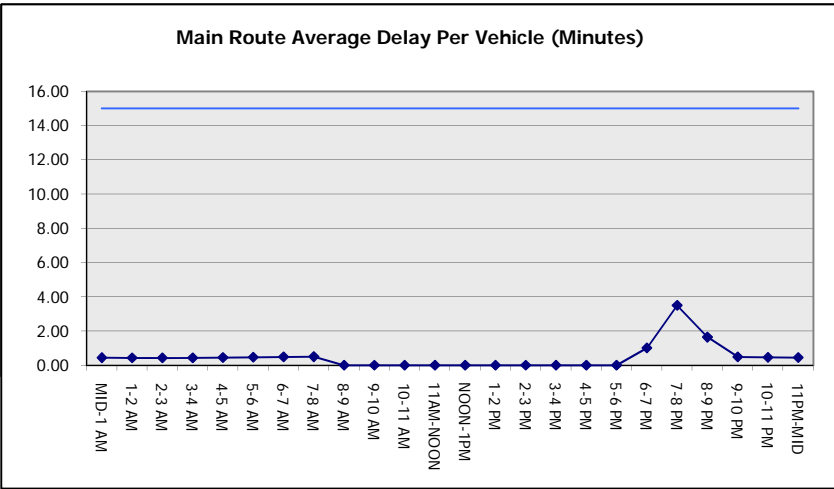
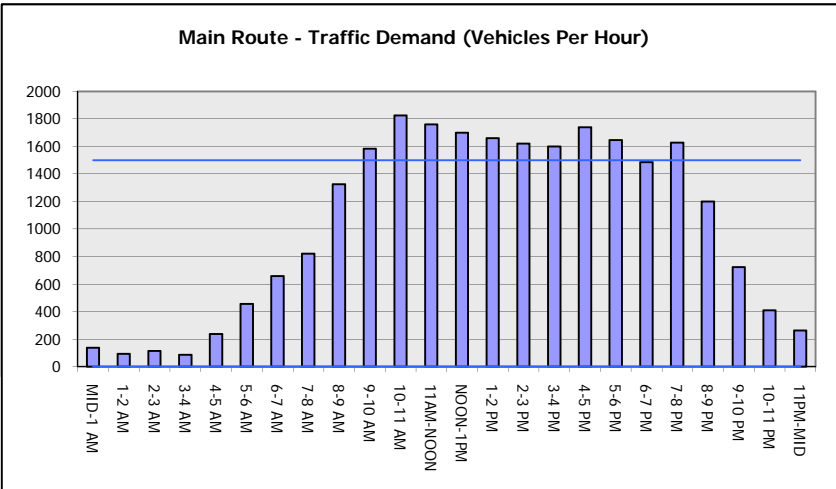
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0087
MAIN ROUTE WITH WORKS	0.0081
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$3,005
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	313	0.0	1500	313	0	0.45	0	65.8	53.7	44.2
1-2 AM	174	0.0	1500	174	0	0.44	0	66.1	54.2	44.8
2-3 AM	168	0.0	1500	168	0	0.44	0	66.1	54.2	44.8
3-4 AM	134	0.0	1500	134	0	0.44	0	66.1	54.3	45.0
4-5 AM	219	0.0	1500	219	0	0.44	0	66.0	54.0	44.6
5-6 AM	346	0.0	1500	346	0	0.46	0	65.8	53.6	44.1
6-7 AM	579	0.0	1500	579	0	0.48	0	65.3	52.8	43.2
7-8 AM	776	0.0	1500	776	0	0.50	0	65.0	52.2	42.5
8-9 AM	1222	0.0	OFF	1222	0	0.00	0	64.1	64.1	64.1
9-10 AM	1618	0.0	OFF	1618	0	0.00	0	63.3	63.3	63.3
10-11 AM	1786	0.0	OFF	1786	0	0.00	0	63.0	63.0	63.0
11AM-NOON	1874	0.0	OFF	1874	0	0.00	0	62.9	62.9	62.9
NOON-1PM	1878	0.0	OFF	1878	0	0.00	0	62.9	62.9	62.9
1-2 PM	1865	0.0	OFF	1865	0	0.00	0	62.9	62.9	62.9
2-3 PM	1895	0.0	OFF	1895	0	0.00	0	62.8	62.8	62.8
3-4 PM	1860	0.0	OFF	1860	0	0.00	0	62.9	62.9	62.9
4-5 PM	1944	0.0	OFF	1944	0	0.00	0	62.8	62.8	62.8
5-6 PM	1686	0.0	OFF	1686	0	0.00	0	63.2	63.2	63.2
6-7 PM	1549	0.0	1499	1549	0	2.57	43	63.5	28.4	30.8
7-8 PM	1087	0.0	1500	1087	0	0.66	3	64.3	48.7	40.4
8-9 PM	898	0.0	1500	898	0	0.51	0	64.7	51.8	42.0
9-10 PM	776	0.0	1500	776	0	0.50	0	65.0	52.2	42.5
10-11 PM	636	0.0	1500	636	0	0.48	0	65.2	52.6	43.0
11PM-MID	450	0.0	1500	450	0	0.47	0	65.6	53.2	43.7

"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	0.0090
MAIN ROUTE WITH WORKS	0.0085
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$1,990
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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