

USH 41: CTH M TO IH 43 (BROWN COUNTY) NIGHTTIME CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	135	0.0	1500	135	0	0.44	0	66.1	54.3	45.0	
1-2 AM	104	0.0	1500	104	0	0.43	0	66.2	54.4	45.1	
2-3 AM	95	0.0	1500	95	0	0.43	0	66.2	54.4	45.1	
3-4 AM	75	0.0	1500	75	0	0.43	0	66.3	54.5	45.2	
4-5 AM	140	0.0	1500	140	0	0.44	0	66.1	54.3	44.9	
5-6 AM	325	0.0	1500	325	0	0.45	0	65.8	53.7	44.2	
6-7 AM	364	0.0	1500	364	0	0.46	0	65.7	53.5	44.0	
7-8 AM	545	0.0	1500	545	0	0.48	0	65.4	52.9	43.3	
8-9 AM	1052	0.0	1499	1052	0	0.56	0	64.4	50.5	40.4	
9-10 AM	1614	0.0	OFF	1614	0	0.00	0	63.4	63.4	63.4	
10-11 AM	2068	0.0	OFF	2068	0	0.00	0	62.5	62.5	62.5	
11AM-NOON	2227	0.0	OFF	2227	0	0.00	0	62.2	62.2	62.2	
NOON-1PM	2314	0.0	OFF	2314	0	0.00	0	62.1	62.1	62.1	
1-2 PM	2328	0.0	OFF	2328	0	0.00	0	62.0	62.0	62.0	
2-3 PM	2289	0.0	OFF	2289	0	0.00	0	62.1	62.1	62.1	
3-4 PM	2213	0.0	OFF	2213	0	0.00	0	62.3	62.3	62.3	
4-5 PM	2309	0.0	OFF	2309	0	0.00	0	62.1	62.1	62.1	
5-6 PM	2034	0.0	OFF	2034	0	0.00	0	62.6	62.6	62.6	
6-7 PM	1503	0.0	OFF	1503	0	0.00	0	63.6	63.6	63.6	
7-8 PM	1043	0.0	1500	1043	0	0.52	0	64.5	51.3	41.5	
8-9 PM	802	0.0	1500	802	0	0.50	0	64.9	52.1	42.4	
9-10 PM	498	0.0	1500	498	0	0.47	0	65.5	53.0	43.5	
10-11 PM	285	0.0	1500	285	0	0.45	0	65.8	53.8	44.3	
11PM-MID	99	0.0	1500	99	0	0.43	0	66.2	54.4	45.1	

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

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(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	0
(VEH-H) MAX	0
AV BREAKDOWNS PER DAY	0
AV QUEUE DELAY/DAY (VEH-H)	0
AV TOTAL DELAY/DAY (VEH-H)	0

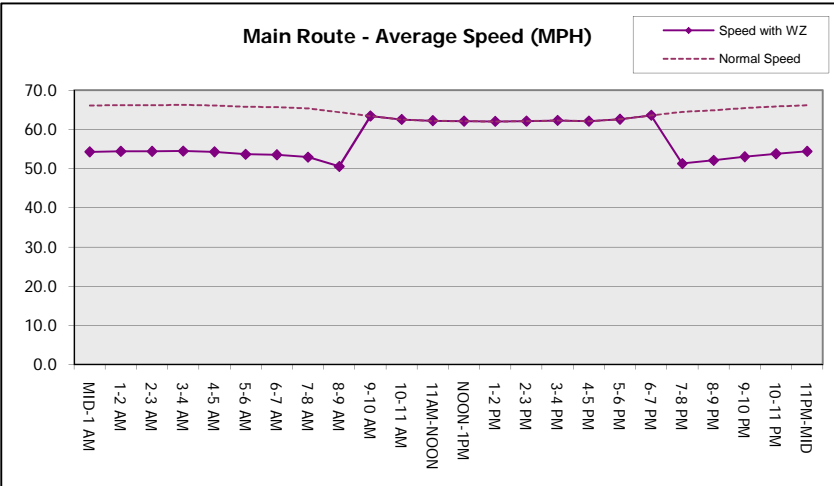
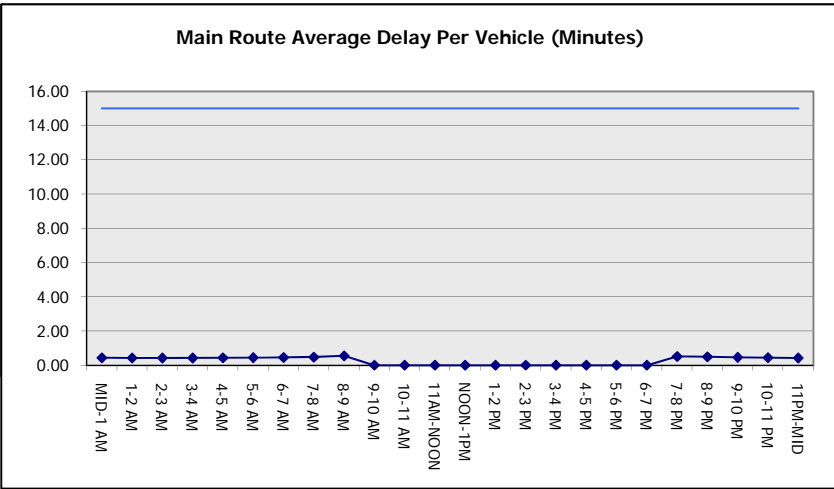
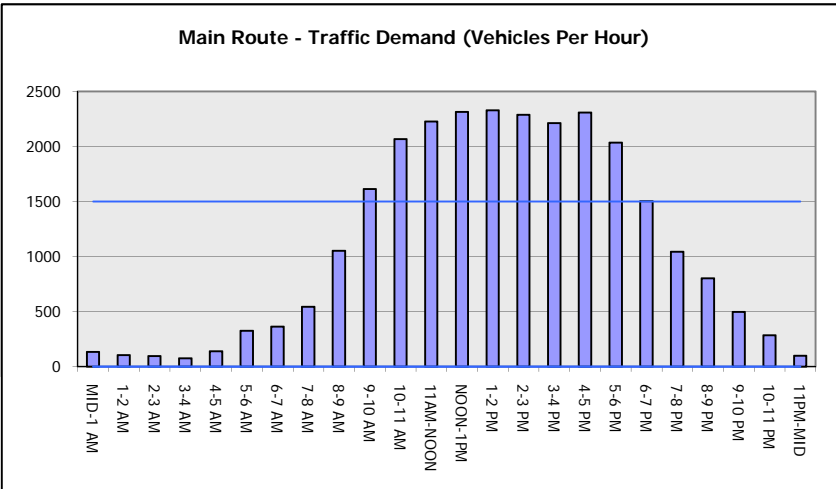
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0089
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$647
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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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	268	0.0	1500	268	0	0.45	0	65.9	53.8	44.4
1-2 AM	144	0.0	1500	144	0	0.44	0	66.1	54.3	44.9
2-3 AM	167	0.0	1500	167	0	0.44	0	66.1	54.2	44.8
3-4 AM	84	0.0	1500	84	0	0.43	0	66.2	54.5	45.1
4-5 AM	87	0.0	1500	87	0	0.43	0	66.2	54.5	45.1
5-6 AM	154	0.0	1500	154	0	0.44	0	66.1	54.2	44.9
6-7 AM	319	0.0	1500	319	0	0.45	0	65.8	53.7	44.2
7-8 AM	379	0.0	1500	379	0	0.46	0	65.7	53.5	44.0
8-9 AM	603	0.0	1500	603	0	0.48	0	65.3	52.7	43.1
9-10 AM	822	0.0	OFF	822	0	0.00	0	64.8	64.8	64.8
10-11 AM	1153	0.0	OFF	1153	0	0.00	0	64.2	64.2	64.2
11AM-NOON	1231	0.0	OFF	1231	0	0.00	0	64.1	64.1	64.1
NOON-1PM	1513	0.0	OFF	1513	0	0.00	0	63.6	63.6	63.6
1-2 PM	1447	0.0	OFF	1447	0	0.00	0	63.7	63.7	63.7
2-3 PM	1501	0.0	OFF	1501	0	0.00	0	63.6	63.6	63.6
3-4 PM	1541	0.0	OFF	1541	0	0.00	0	63.5	63.5	63.5
4-5 PM	1560	0.0	OFF	1560	0	0.00	0	63.5	63.5	63.5
5-6 PM	1315	0.0	OFF	1315	0	0.00	0	64.0	64.0	64.0
6-7 PM	1226	0.0	OFF	1226	0	0.00	0	64.1	64.1	64.1
7-8 PM	951	0.0	1500	951	0	0.51	0	64.6	51.6	41.9
8-9 PM	667	0.0	1500	667	0	0.49	0	65.1	52.5	42.8
9-10 PM	426	0.0	1500	426	0	0.46	0	65.6	53.3	43.8
10-11 PM	310	0.0	1500	310	0	0.45	0	65.8	53.7	44.2
11PM-MID	187	0.0	1500	187	0	0.44	0	66.0	54.1	44.7

"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	0.0063
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$526
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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