

USH 41: CTH M TO IH 43 (BROWN COUNTY) OFF-PEAK DAY 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	OFF	135	0	0.00	0	66.1	66.1	66.1	
1-2 AM	104	0.0	OFF	104	0	0.00	0	66.2	66.2	66.2	
2-3 AM	95	0.0	OFF	95	0	0.00	0	66.2	66.2	66.2	
3-4 AM	75	0.0	OFF	75	0	0.00	0	66.3	66.3	66.3	
4-5 AM	140	0.0	OFF	140	0	0.00	0	66.1	66.1	66.1	
5-6 AM	325	0.0	OFF	325	0	0.00	0	65.8	65.8	65.8	
6-7 AM	364	0.0	OFF	364	0	0.00	0	65.7	65.7	65.7	
7-8 AM	545	0.0	OFF	545	0	0.00	0	65.4	65.4	65.4	
8-9 AM	1052	0.0	OFF	1052	0	0.00	0	64.4	64.4	64.4	
9-10 AM	1614	0.0	1499	1614	0	1.82	30	63.4	33.8	30.9	
10-11 AM	2068	0.0	1500	1750	318	12.72+	334	62.5	10.4	30.8	
11AM-NOON	2227	0.0	1500	1509	718	16.75+	425	62.2	9.0	30.8	
NOON-1PM	2314	0.0	1500	1509	804	16.75+	426	62.1	8.9	30.8	
1-2 PM	2328	0.0	1500	1506	823	16.74+	425	62.0	9.0	30.8	
2-3 PM	2289	0.0	1500	1505	784	16.74+	425	62.1	9.0	30.8	
3-4 PM	2213	0.0	1500	1504	709	16.74+	425	62.3	9.0	30.8	
4-5 PM	2309	0.0	1500	1503	806	16.74+	425	62.1	9.0	30.8	
5-6 PM	2034	0.0	1500	1503	531	16.74+	425	62.6	9.0	30.8	
6-7 PM	1503	0.0	1500	1441	62	15.90+	402	63.6	9.2	30.8	
7-8 PM	1043	0.0	OFF	1043	0	0.33	20	64.5	55.5	55.5	
8-9 PM	802	0.0	OFF	802	0	0.00	0	64.9	64.9	64.9	
9-10 PM	498	0.0	OFF	498	0	0.00	0	65.5	65.5	65.5	
10-11 PM	285	0.0	OFF	285	0	0.00	0	65.8	65.8	65.8	
11PM-MID	99	0.0	OFF	99	0	0.00	0	66.2	66.2	66.2	

"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	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

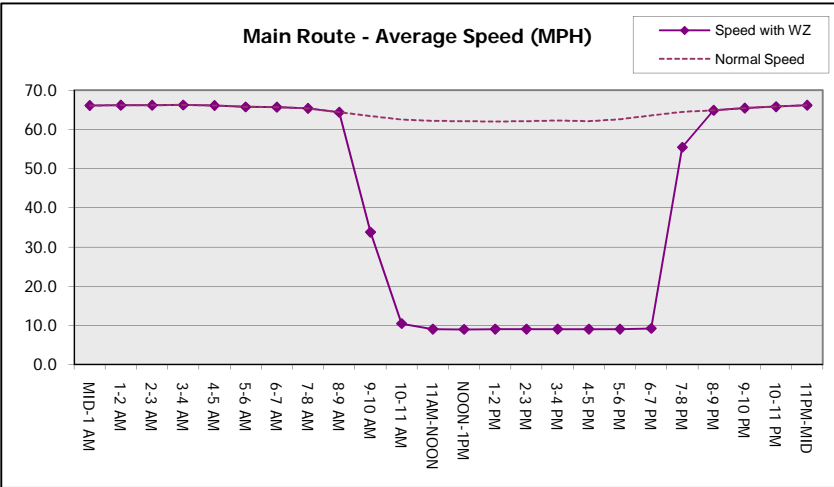
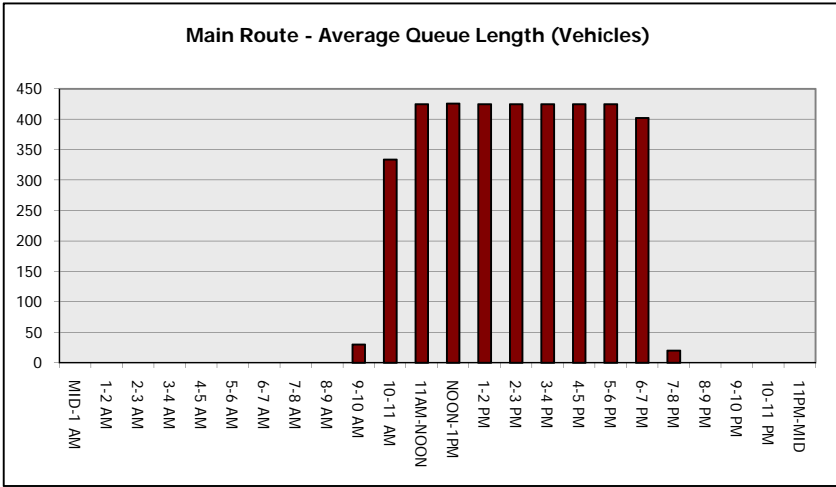
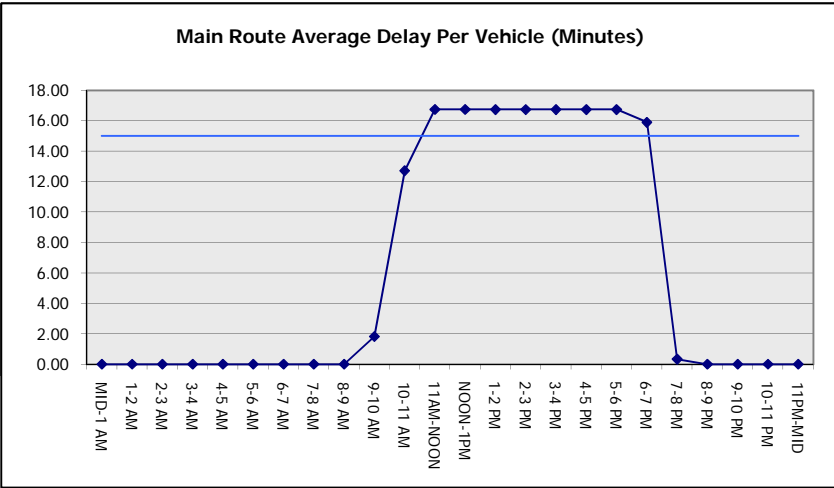
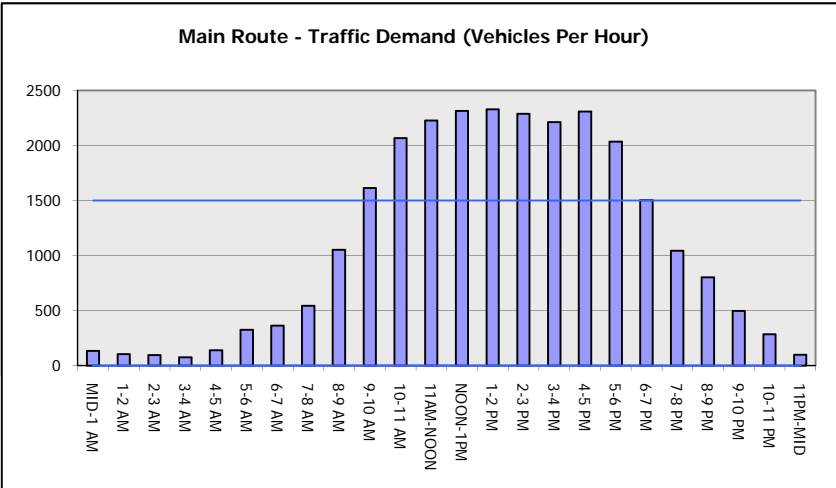
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0093
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0045
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$88,034
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



USH 41: CTH M TO IH 43 (BROWN COUNTY) OFF-PEAK DAY CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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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	OFF	268	0	0.00	0	65.9	65.9	65.9
1-2 AM	144	0.0	OFF	144	0	0.00	0	66.1	66.1	66.1
2-3 AM	167	0.0	OFF	167	0	0.00	0	66.1	66.1	66.1
3-4 AM	84	0.0	OFF	84	0	0.00	0	66.2	66.2	66.2
4-5 AM	87	0.0	OFF	87	0	0.00	0	66.2	66.2	66.2
5-6 AM	154	0.0	OFF	154	0	0.00	0	66.1	66.1	66.1
6-7 AM	319	0.0	OFF	319	0	0.00	0	65.8	65.8	65.8
7-8 AM	379	0.0	OFF	379	0	0.00	0	65.7	65.7	65.7
8-9 AM	603	0.0	OFF	603	0	0.00	0	65.3	65.3	65.3
9-10 AM	822	0.0	1500	822	0	0.50	0	64.8	52.0	42.3
10-11 AM	1153	0.0	1500	1153	0	0.58	0	64.2	50.2	40.0
11AM-NOON	1231	0.0	1499	1231	0	0.67	0	64.1	48.3	37.6
NOON-1PM	1513	0.0	1499	1513	0	1.19	5	63.6	40.4	30.9
1-2 PM	1447	0.0	1500	1447	0	1.10	3	63.7	41.6	31.7
2-3 PM	1501	0.0	1499	1501	0	1.07	1	63.6	41.9	30.9
3-4 PM	1541	0.0	1500	1541	0	1.91	24	63.5	33.1	30.8
4-5 PM	1560	0.0	1500	1560	0	4.10	84	63.5	21.4	30.8
5-6 PM	1315	0.0	1499	1315	0	1.85	38	64.0	33.7	33.8
6-7 PM	1226	0.0	1500	1226	0	0.67	0	64.1	48.3	37.6
7-8 PM	951	0.0	OFF	951	0	0.00	0	64.6	64.6	64.6
8-9 PM	667	0.0	OFF	667	0	0.00	0	65.1	65.1	65.1
9-10 PM	426	0.0	OFF	426	0	0.00	0	65.6	65.6	65.6
10-11 PM	310	0.0	OFF	310	0	0.00	0	65.8	65.8	65.8
11PM-MID	187	0.0	OFF	187	0	0.00	0	66.0	66.0	66.0

"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	0.0063
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$5,421
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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