

USH 41: CTH M TO IH 43 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	81	0.0	1500	81	0	0.43	0	66.3	54.5	45.1	
1-2 AM	64	0.0	1500	64	0	0.43	0	66.3	54.5	45.2	
2-3 AM	109	0.0	1500	109	0	0.43	0	66.2	54.4	45.0	
3-4 AM	148	0.0	1500	148	0	0.44	0	66.1	54.2	44.9	
4-5 AM	551	0.0	1500	551	0	0.48	0	65.3	52.9	43.3	
5-6 AM	1580	0.0	1499	1580	0	1.85	44	63.5	33.6	33.1	
6-7 AM	2755	0.0	1500	1832	923	15.70+	409	58.2	9.3	31.0	
7-8 AM	3051	0.0	1499	1442	1610	16.79+	436	55.3	8.9	30.8	
8-9 AM	1867	0.0	1499	1481	386	16.68+	423	62.9	9.0	30.8	
9-10 AM	1440	0.0	1499	1421	19	15.95+	402	63.7	9.2	30.8	
10-11 AM	1329	0.0	1499	1329	0	11.06	274	63.9	11.1	30.8	
11AM-NOON	1217	0.0	1499	1217	0	2.09	61	64.1	31.9	35.6	
NOON-1PM	1228	0.0	1500	1228	0	0.67	0	64.1	48.3	37.6	
1-2 PM	1291	0.0	1500	1291	0	0.75	0	64.0	46.8	35.8	
2-3 PM	1310	0.0	1500	1310	0	0.78	0	64.0	46.4	35.2	
3-4 PM	1413	0.0	1499	1413	0	0.91	0	63.8	44.3	32.7	
4-5 PM	1590	0.0	1499	1590	0	2.57	45	63.4	28.4	30.8	
5-6 PM	1384	0.0	1499	1384	0	2.56	53	63.8	28.5	32.5	
6-7 PM	951	0.0	1500	951	0	0.51	0	64.6	51.6	41.9	
7-8 PM	619	0.0	1500	619	0	0.48	0	65.2	52.7	43.0	
8-9 PM	509	0.0	1500	509	0	0.47	0	65.5	53.0	43.5	
9-10 PM	416	0.0	1500	416	0	0.46	0	65.6	53.3	43.8	
10-11 PM	285	0.0	1500	285	0	0.45	0	65.8	53.8	44.3	
11PM-MID	144	0.0	1500	144	0	0.44	0	66.1	54.3	44.9	

+ 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

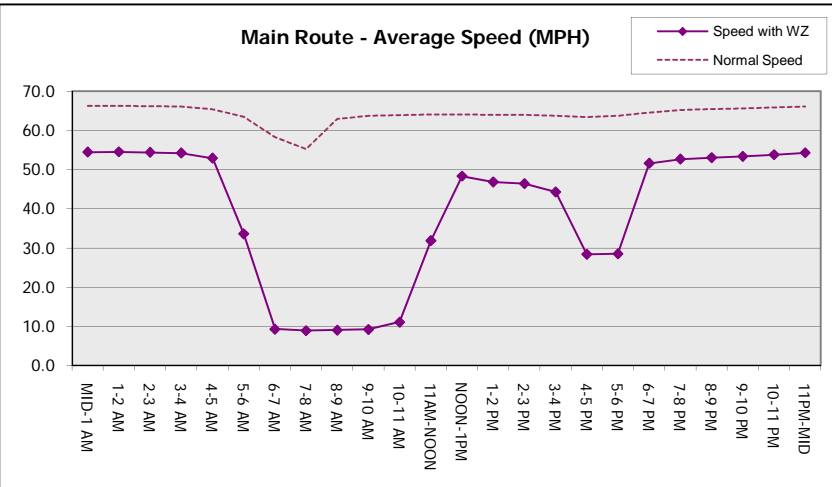
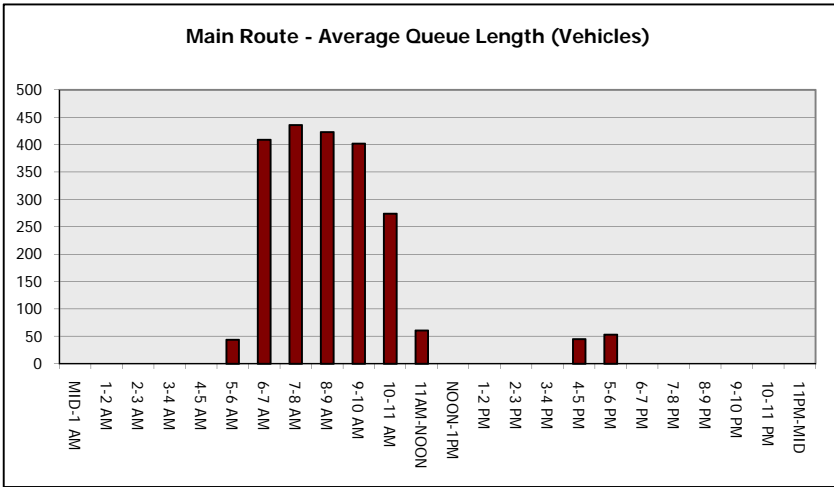
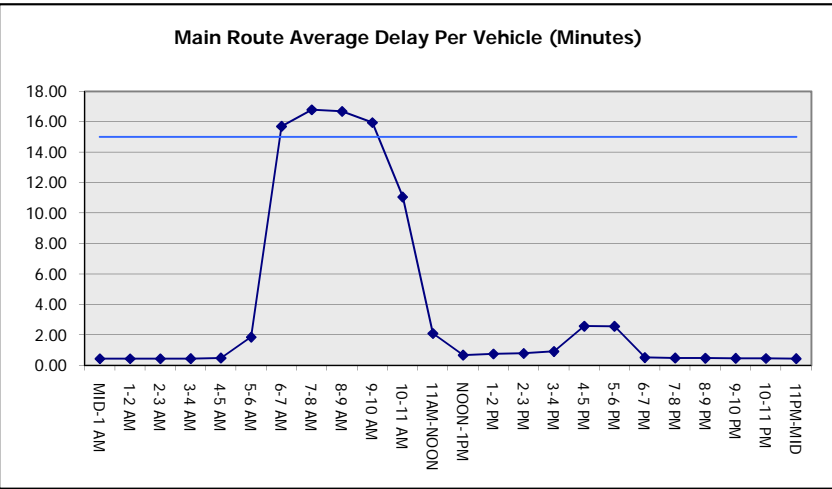
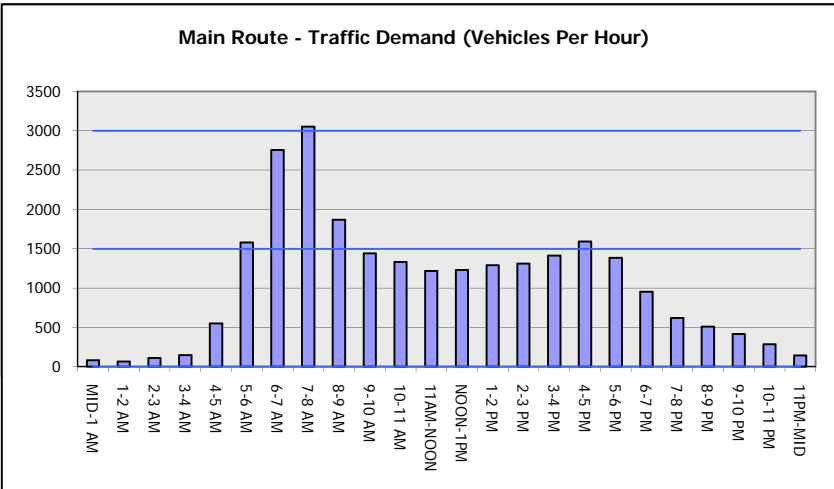
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0089
MAIN ROUTE WITH WORKS	0.0064
'DIVERSION'	0.0024
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$38,879
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 41: CTH M TO IH 43 (BROWN COUNTY) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
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SUMMARY OF TRAFFIC MODEL OUTPUT

MON-THUR 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	153	0.0	1500	153	0	0.44	0	66.1	54.2	44.9
1-2 AM	94	0.0	1500	94	0	0.43	0	66.2	54.4	45.1
2-3 AM	94	0.0	1500	94	0	0.43	0	66.2	54.4	45.1
3-4 AM	134	0.0	1500	134	0	0.44	0	66.1	54.3	45.0
4-5 AM	189	0.0	1500	189	0	0.44	0	66.0	54.1	44.7
5-6 AM	368	0.0	1500	368	0	0.46	0	65.7	53.5	44.0
6-7 AM	863	0.0	1500	863	0	0.51	0	64.8	51.9	42.2
7-8 AM	1000	0.0	1500	1000	0	0.52	0	64.5	51.5	41.7
8-9 AM	934	0.0	1500	934	0	0.51	0	64.6	51.7	41.9
9-10 AM	879	0.0	1500	879	0	0.51	0	64.8	51.9	42.1
10-11 AM	979	0.0	1500	979	0	0.52	0	64.6	51.5	41.7
11AM-NOON	1012	0.0	1500	1012	0	0.52	0	64.5	51.4	41.6
NOON-1PM	1191	0.0	1500	1191	0	0.62	0	64.1	49.2	38.8
1-2 PM	1328	0.0	1499	1328	0	0.80	0	63.9	46.1	34.8
2-3 PM	1663	0.0	1499	1663	0	2.37	49	63.3	29.6	30.8
3-4 PM	2357	0.0	1500	1824	533	14.88+	384	62.0	9.6	30.8
4-5 PM	2969	0.0	1499	1458	1511	16.87+	437	56.1	8.9	30.8
5-6 PM	2803	0.0	1499	1489	1315	16.76+	432	57.8	8.9	30.8
6-7 PM	1819	0.0	1500	1499	320	16.74+	424	63.0	9.0	30.8
7-8 PM	1260	0.0	1499	1260	0	13.23+	337	64.0	10.1	31.1
8-9 PM	1011	0.0	1500	1011	0	1.37	42	64.5	38.6	40.1
9-10 PM	811	0.0	1500	811	0	0.50	0	64.9	52.0	42.4
10-11 PM	468	0.0	1500	468	0	0.47	0	65.5	53.2	43.7
11PM-MID	339	0.0	1500	339	0	0.46	0	65.8	53.6	44.2

+ 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	0.0087
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0030

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$40,632
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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