

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

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	74	0.0	1500	74	0	0.43	0	66.3	54.5	45.2	
1-2 AM	67	0.0	1500	67	0	0.43	0	66.3	54.5	45.2	
2-3 AM	127	0.0	1500	127	0	0.43	0	66.1	54.3	45.0	
3-4 AM	152	0.0	1500	152	0	0.44	0	66.1	54.2	44.9	
4-5 AM	483	0.0	1500	483	0	0.47	0	65.5	53.1	43.6	
5-6 AM	1332	0.0	1499	1332	0	1.05	11	63.9	42.4	36.1	
6-7 AM	2541	0.0	1500	1908	633	12.90+	345	60.5	10.4	30.8	
7-8 AM	2816	0.0	1499	1482	1334	16.77+	432	57.6	8.9	30.8	
8-9 AM	1867	0.0	1500	1499	368	16.74+	424	62.9	9.0	30.8	
9-10 AM	1581	0.0	1499	1490	91	16.70+	423	63.5	9.0	30.8	
10-11 AM	1495	0.0	1499	1488	8	16.61+	420	63.6	9.0	30.8	
11AM-NOON	1422	0.0	1499	1422	0	14.86+	373	63.7	9.5	30.8	
NOON-1PM	1447	0.0	1500	1447	0	12.19	301	63.7	10.4	30.8	
1-2 PM	1590	0.0	1500	1590	0	12.93	322	63.4	10.2	30.8	
2-3 PM	1535	0.0	1499	1535	0	15.35+	386	63.5	9.4	30.8	
3-4 PM	1615	0.0	1499	1518	97	16.65+	421	63.4	9.0	30.8	
4-5 PM	1841	0.0	1500	1500	340	16.74+	424	63.0	9.0	30.8	
5-6 PM	1774	0.0	1500	1500	273	16.74+	424	63.1	9.0	30.8	
6-7 PM	1273	0.0	1499	1273	0	13.26+	336	64.0	10.1	31.1	
7-8 PM	908	0.0	1500	908	0	1.21	38	64.7	40.6	41.5	
8-9 PM	609	0.0	1500	609	0	0.48	0	65.3	52.7	43.1	
9-10 PM	509	0.0	1500	509	0	0.47	0	65.5	53.0	43.5	
10-11 PM	389	0.0	1500	389	0	0.46	0	65.6	53.4	43.9	
11PM-MID	221	0.0	1500	221	0	0.44	0	66.0	54.0	44.6	

+ 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

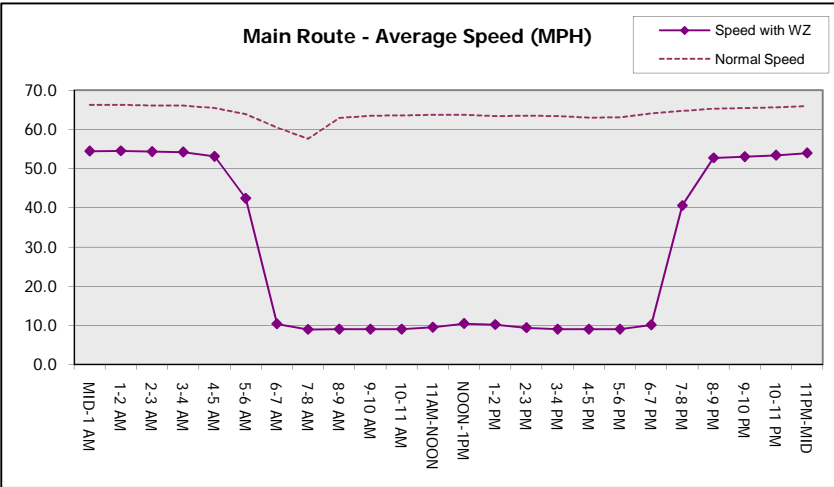
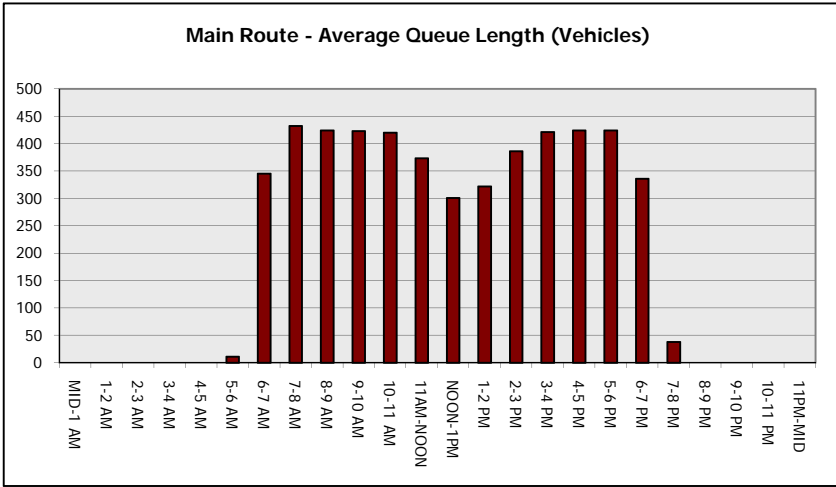
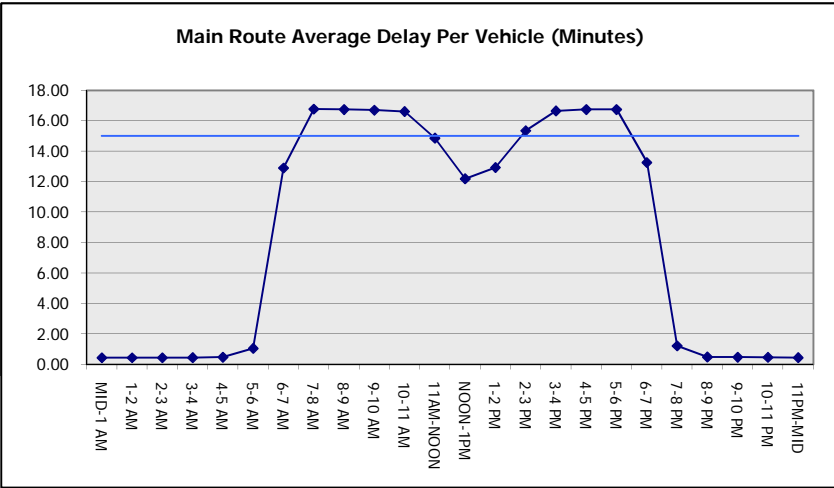
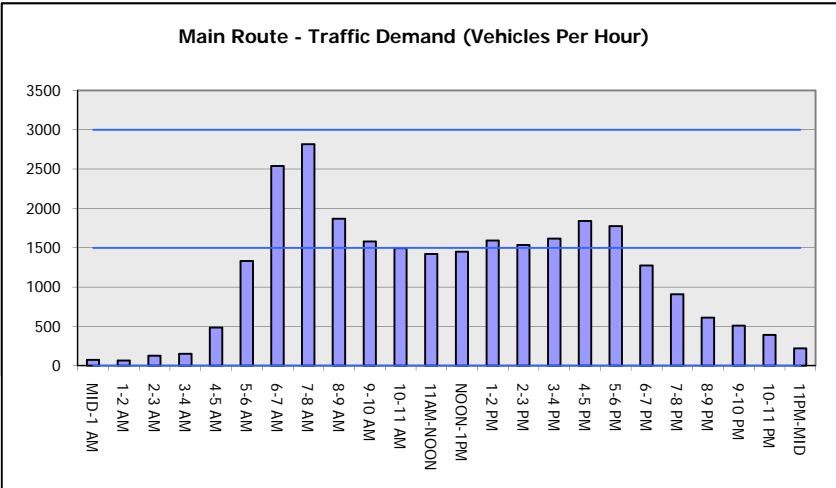
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0025
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$79,462
CONGESTED HOURS PER DAY*	11

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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

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	208	0.0	1500	208	0	0.44	0	66.0	54.0	44.6	
1-2 AM	154	0.0	1500	154	0	0.44	0	66.1	54.2	44.9	
2-3 AM	129	0.0	1500	129	0	0.43	0	66.1	54.3	45.0	
3-4 AM	148	0.0	1500	148	0	0.44	0	66.1	54.2	44.9	
4-5 AM	236	0.0	1500	236	0	0.45	0	66.0	53.9	44.5	
5-6 AM	358	0.0	1500	358	0	0.46	0	65.7	53.5	44.0	
6-7 AM	872	0.0	1500	872	0	0.51	0	64.8	51.9	42.1	
7-8 AM	1043	0.0	1500	1043	0	0.52	0	64.5	51.3	41.5	
8-9 AM	1078	0.0	1500	1078	0	0.53	0	64.4	51.2	41.4	
9-10 AM	1165	0.0	1500	1165	0	0.59	0	64.2	49.9	39.6	
10-11 AM	1408	0.0	1499	1408	0	0.90	0	63.8	44.4	32.9	
11AM-NOON	1635	0.0	1499	1635	0	2.63	52	63.3	28.0	30.8	
NOON-1PM	1894	0.0	1500	1826	68	11.64+	303	62.8	10.9	30.8	
1-2 PM	2199	0.0	1500	1495	704	16.74+	425	62.3	9.0	30.8	
2-3 PM	2506	0.0	1499	1489	1018	16.75+	427	60.8	8.9	30.8	
3-4 PM	3126	0.0	1499	1495	1630	16.84+	439	54.5	8.9	30.8	
4-5 PM	3771	0.0	1500	1500	2271	16.48+	441	47.9	8.8	30.8	
5-6 PM	3513	0.0	1500	1500	2013	16.67+	441	50.5	8.8	30.8	
6-7 PM	2603	0.0	1500	1495	1108	16.76+	429	59.8	8.9	30.8	
7-8 PM	1735	0.0	1500	1499	236	16.74+	424	63.2	9.0	30.8	
8-9 PM	1423	0.0	1499	1405	18	15.77+	398	63.7	9.3	30.8	
9-10 PM	1114	0.0	1499	1114	0	4.75	167	64.3	20.1	35.4	
10-11 PM	808	0.0	1500	808	0	0.50	0	64.9	52.0	42.4	
11PM-MID	605	0.0	1500	605	0	0.48	0	65.3	52.7	43.1	

+ 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	0.0118
MAIN ROUTE WITH WORKS	0.0070
'DIVERSION'	0.0074

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$86,266
CONGESTED HOURS PER DAY*	9

*Delays Exceeding User-Specified Maximum

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