

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

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	OFF	1332	0	0.00	0	63.9	63.9	63.9
6-7 AM	2541	0.0	OFF	2541	0	0.00	0	60.5	60.5	60.5
7-8 AM	2816	0.0	OFF	2816	0	0.00	0	57.6	57.6	57.6
8-9 AM	1867	0.0	OFF	1867	0	0.00	0	62.9	62.9	62.9
9-10 AM	1581	0.0	OFF	1581	0	0.00	0	63.5	63.5	63.5
10-11 AM	1495	0.0	OFF	1495	0	0.00	0	63.6	63.6	63.6
11AM-NOON	1422	0.0	OFF	1422	0	0.00	0	63.7	63.7	63.7
NOON-1PM	1447	0.0	OFF	1447	0	0.00	0	63.7	63.7	63.7
1-2 PM	1590	0.0	OFF	1590	0	0.00	0	63.4	63.4	63.4
2-3 PM	1535	0.0	OFF	1535	0	0.00	0	63.5	63.5	63.5
3-4 PM	1615	0.0	OFF	1615	0	0.00	0	63.4	63.4	63.4
4-5 PM	1841	0.0	OFF	1841	0	0.00	0	63.0	63.0	63.0
5-6 PM	1774	0.0	OFF	1774	0	0.00	0	63.1	63.1	63.1
6-7 PM	1273	0.0	OFF	1273	0	0.00	0	64.0	64.0	64.0
7-8 PM	908	0.0	1500	908	0	0.51	0	64.7	51.7	42.0
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

"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	0.0097
MAIN ROUTE WITH WORKS	0.0095
'DIVERSION'	0.0000
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$414
CONGESTED HOURS PER DAY*	0

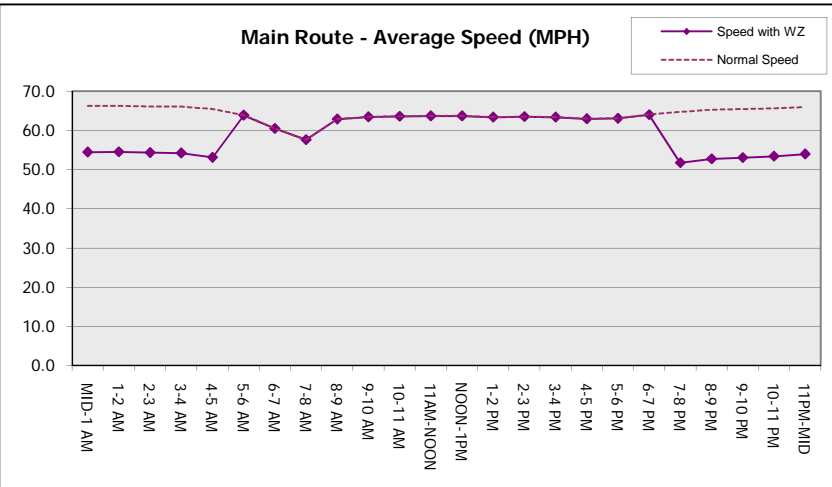
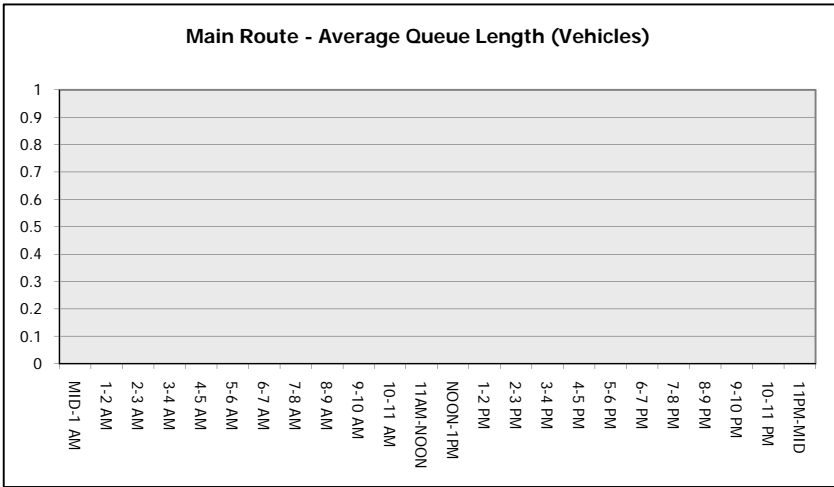
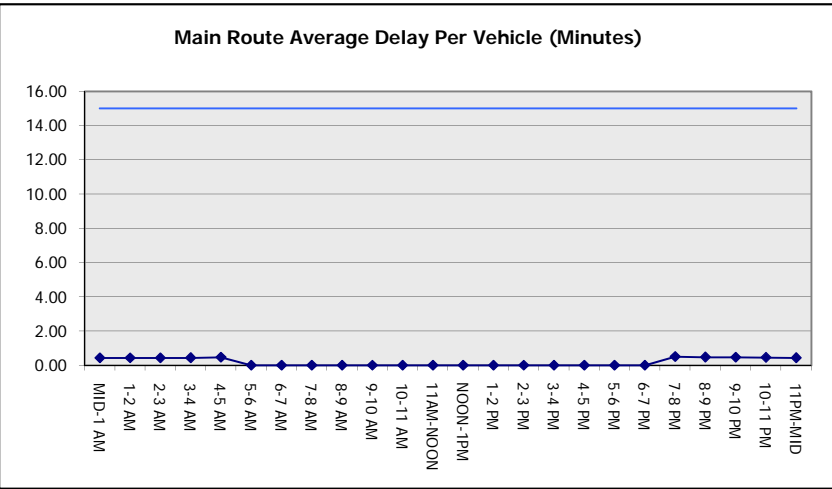
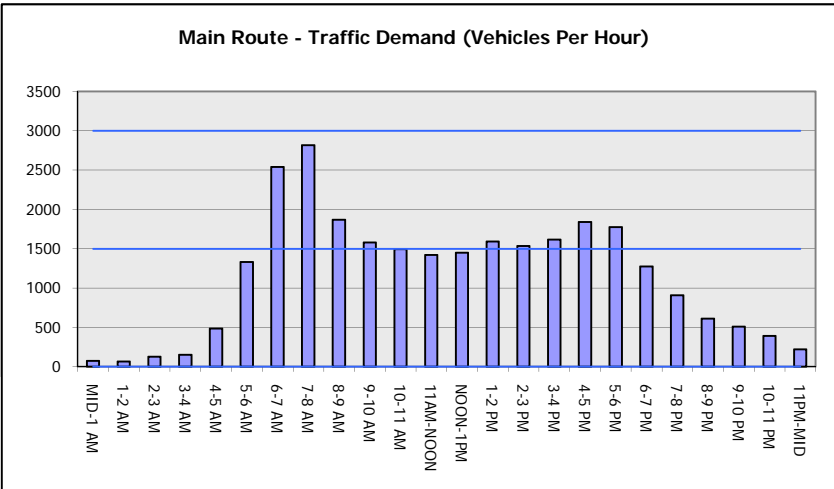
*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT

FRIDAY SOUTHBOUND DIRECTION



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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	OFF	358	0	0.00	0	65.7	65.7	65.7
6-7 AM	872	0.0	OFF	872	0	0.00	0	64.8	64.8	64.8
7-8 AM	1043	0.0	OFF	1043	0	0.00	0	64.5	64.5	64.5
8-9 AM	1078	0.0	OFF	1078	0	0.00	0	64.4	64.4	64.4
9-10 AM	1165	0.0	OFF	1165	0	0.00	0	64.2	64.2	64.2
10-11 AM	1408	0.0	OFF	1408	0	0.00	0	63.8	63.8	63.8
11AM-NOON	1635	0.0	OFF	1635	0	0.00	0	63.3	63.3	63.3
NOON-1PM	1894	0.0	OFF	1894	0	0.00	0	62.8	62.8	62.8
1-2 PM	2199	0.0	OFF	2199	0	0.00	0	62.3	62.3	62.3
2-3 PM	2506	0.0	OFF	2506	0	0.00	0	60.8	60.8	60.8
3-4 PM	3126	0.0	OFF	3126	0	0.00	0	54.5	54.5	54.5
4-5 PM	3771	0.0	OFF	3771	0	0.00	0	47.9	47.9	47.9
5-6 PM	3513	0.0	OFF	3513	0	0.00	0	50.5	50.5	50.5
6-7 PM	2603	0.0	OFF	2603	0	0.00	0	59.8	59.8	59.8
7-8 PM	1735	0.0	1499	1735	0	6.21	154	63.2	16.1	30.8
8-9 PM	1423	0.0	1499	1423	0	8.98	215	63.7	12.3	30.8
9-10 PM	1114	0.0	1499	1114	0	1.49	40	64.3	37.3	38.2
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

"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	0.0118
MAIN ROUTE WITH WORKS	0.0114
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$6,486
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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FRIDAY NORTHBOUND DIRECTION

