

USH 41: CTH G TO CTH F (BROWN COUNTY) OFF-PEAK DAY 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	229	0.0	OFF	229	0	0.00	0	66.0	66.0	66.0	
1-2 AM	185	0.0	OFF	185	0	0.00	0	66.0	66.0	66.0	
2-3 AM	180	0.0	OFF	180	0	0.00	0	66.1	66.1	66.1	
3-4 AM	178	0.0	OFF	178	0	0.00	0	66.1	66.1	66.1	
4-5 AM	374	0.0	OFF	374	0	0.00	0	65.7	65.7	65.7	
5-6 AM	998	0.0	OFF	998	0	0.00	0	64.5	64.5	64.5	
6-7 AM	2131	0.0	OFF	2131	0	0.00	0	62.4	62.4	62.4	
7-8 AM	2719	0.0	OFF	2719	0	0.00	0	58.6	58.6	58.6	
8-9 AM	1818	0.0	OFF	1818	0	0.00	0	63.0	63.0	63.0	
9-10 AM	1567	0.0	OFF	1567	0	0.00	0	63.5	63.5	63.5	
10-11 AM	1586	0.0	1499	1586	0	2.12	33	63.4	29.1	30.8	
11AM-NOON	1864	0.0	1500	1864	0	9.69+	254	62.9	11.4	30.8	
NOON-1PM	2024	0.0	1499	1496	527	16.97+	431	62.6	8.6	30.8	
1-2 PM	2112	0.0	1499	1497	615	16.97+	431	62.5	8.6	30.8	
2-3 PM	2180	0.0	1499	1498	682	16.97+	431	62.3	8.6	30.8	
3-4 PM	2495	0.0	OFF	2495	0	1.12	64	60.9	38.1	38.1	
4-5 PM	2908	0.0	OFF	2908	0	0.00	0	56.7	56.7	56.7	
5-6 PM	2493	0.0	OFF	2493	0	0.00	0	61.0	61.0	61.0	
6-7 PM	1619	0.0	OFF	1619	0	0.00	0	63.3	63.3	63.3	
7-8 PM	1114	0.0	OFF	1114	0	0.00	0	64.3	64.3	64.3	
8-9 PM	959	0.0	OFF	959	0	0.00	0	64.6	64.6	64.6	
9-10 PM	898	0.0	OFF	898	0	0.00	0	64.7	64.7	64.7	
10-11 PM	829	0.0	OFF	829	0	0.00	0	64.8	64.8	64.8	
11PM-MID	534	0.0	OFF	534	0	0.00	0	65.4	65.4	65.4	

"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 (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

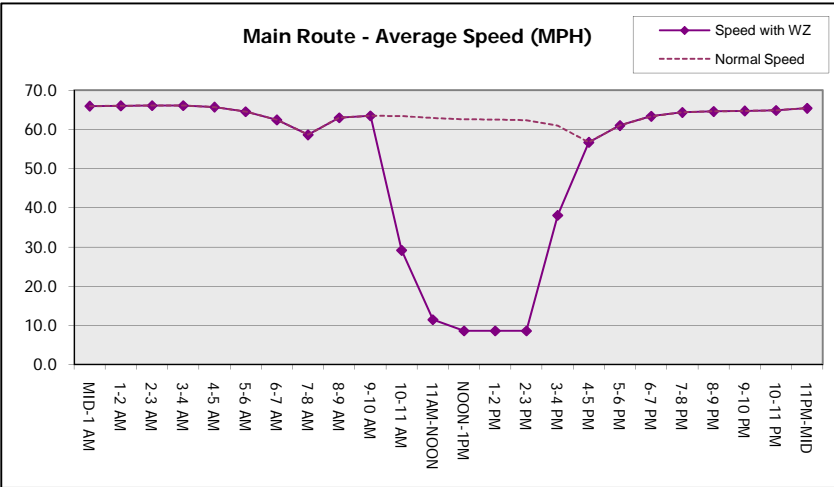
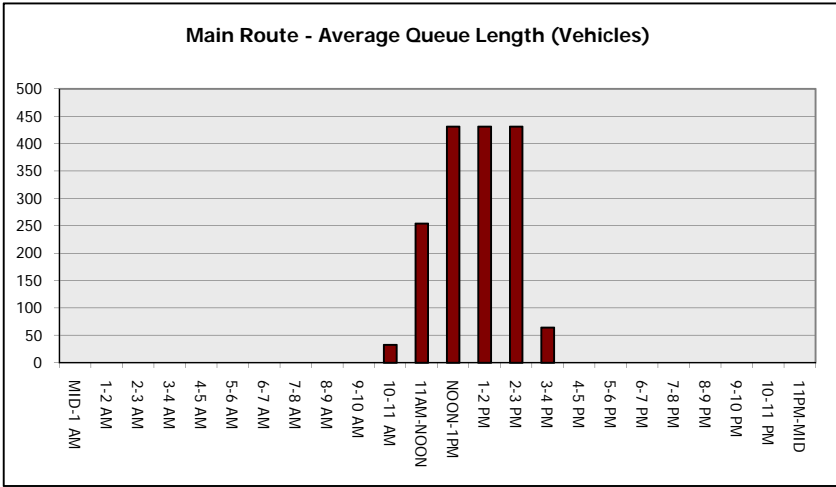
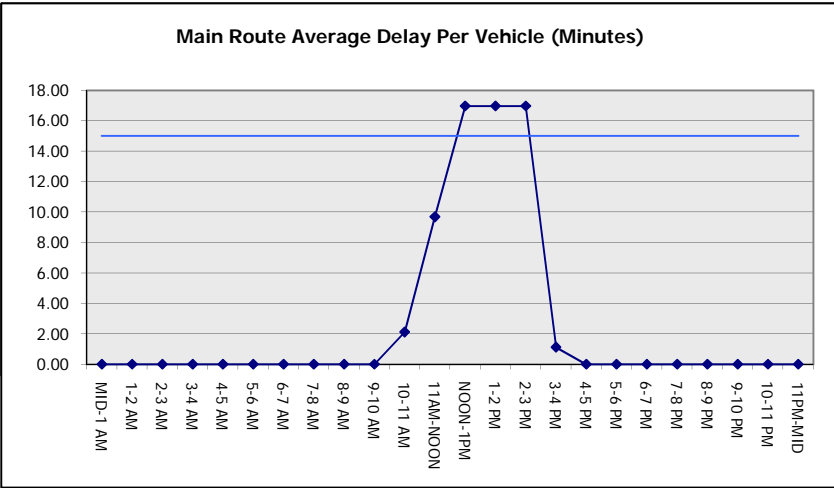
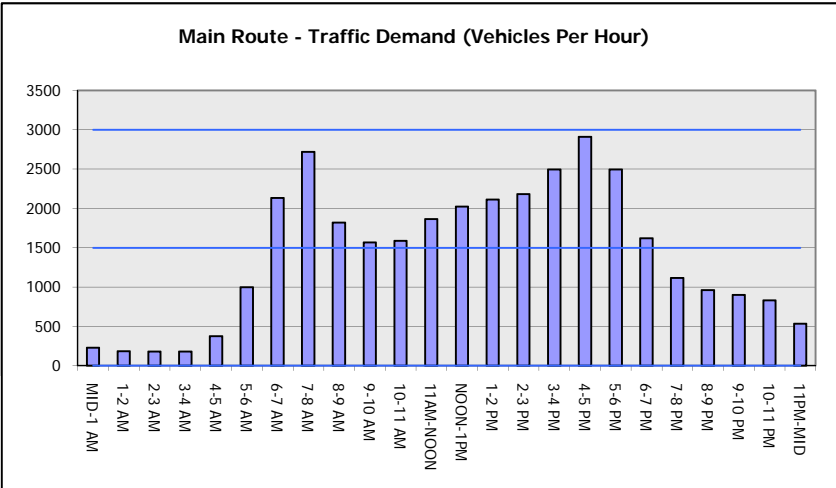
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0103
MAIN ROUTE WITH WORKS	0.0092
'DIVERSION'	0.0013
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$28,482
CONGESTED HOURS PER DAY*	4

*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	191	0.0	OFF	191	0	0.00	0	66.0	66.0	66.0
1-2 AM	129	0.0	OFF	129	0	0.00	0	66.1	66.1	66.1
2-3 AM	155	0.0	OFF	155	0	0.00	0	66.1	66.1	66.1
3-4 AM	151	0.0	OFF	151	0	0.00	0	66.1	66.1	66.1
4-5 AM	253	0.0	OFF	253	0	0.00	0	65.9	65.9	65.9
5-6 AM	692	0.0	OFF	692	0	0.00	0	65.1	65.1	65.1
6-7 AM	1679	0.0	OFF	1679	0	0.00	0	63.3	63.3	63.3
7-8 AM	2883	0.0	OFF	2883	0	0.00	0	56.9	56.9	56.9
8-9 AM	2108	0.0	OFF	2108	0	0.00	0	62.5	62.5	62.5
9-10 AM	1781	0.0	OFF	1781	0	0.00	0	63.1	63.1	63.1
10-11 AM	1737	0.0	1499	1737	0	4.47	111	63.2	18.5	30.8
11AM-NOON	1993	0.0	1500	1715	278	15.21+	388	62.7	9.0	30.8
NOON-1PM	2211	0.0	1499	1496	715	16.97+	431	62.3	8.6	30.8
1-2 PM	2141	0.0	1499	1497	644	16.97+	431	62.4	8.6	30.8
2-3 PM	2377	0.0	1499	1498	879	16.98+	432	62.0	8.6	30.8
3-4 PM	2890	0.0	OFF	2890	0	1.50	88	56.9	32.6	32.6
4-5 PM	3265	0.0	OFF	3265	0	0.00	0	53.0	53.0	53.0
5-6 PM	2883	0.0	OFF	2883	0	0.00	0	56.9	56.9	56.9
6-7 PM	2080	0.0	OFF	2080	0	0.00	0	62.5	62.5	62.5
7-8 PM	1611	0.0	OFF	1611	0	0.00	0	63.4	63.4	63.4
8-9 PM	1197	0.0	OFF	1197	0	0.00	0	64.1	64.1	64.1
9-10 PM	1018	0.0	OFF	1018	0	0.00	0	64.5	64.5	64.5
10-11 PM	794	0.0	OFF	794	0	0.00	0	64.9	64.9	64.9
11PM-MID	493	0.0	OFF	493	0	0.00	0	65.5	65.5	65.5

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

+ INDICATES QUEUEING EXCEEDS USER-SPECIFIED MAXIMUM LIMIT

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

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

MAIN ROUTE WITHOUT WORKS	0.0111
MAIN ROUTE WITH WORKS	0.0098
'DIVERSION'	0.0018

PIA: Personal Injury Accidents

ROAD USER COSTS PER DAY	\$33,950
CONGESTED HOURS PER DAY*	4

*Delays Exceeding User-Specified Maximum

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