

<b>USH 41: CTH G TO CTH F (BROWN)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>MAY</b>
	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	186	0.0	1500	186	0	0.44	0	66.0	52.6	44.7	
1-2 AM	151	0.0	1500	151	0	0.44	0	66.1	52.7	44.9	
2-3 AM	138	0.0	1500	138	0	0.44	0	66.1	52.8	45.0	
3-4 AM	163	0.0	1500	163	0	0.44	0	66.1	52.7	44.8	
4-5 AM	374	0.0	1500	374	0	0.46	0	65.7	52.0	44.0	
5-6 AM	1103	0.0	1499	1103	0	0.65	0	64.3	47.1	38.3	
6-7 AM	2259	0.0	1499	1914	345	9.73+	272	62.2	11.6	30.8	
7-8 AM	2797	0.0	1500	1521	1276	17.01+	438	57.9	8.5	30.8	
8-9 AM	1732	0.0	1500	1499	233	16.96+	430	63.2	8.6	30.8	
9-10 AM	1486	0.0	1499	1472	14	16.70+	422	63.6	8.6	30.8	
10-11 AM	1500	0.0	1500	1500	0	15.92+	401	63.6	8.8	30.8	
11AM-NOON	1646	0.0	1499	1517	129	16.87+	427	63.3	8.6	30.8	
NOON-1PM	1777	0.0	1500	1501	276	16.96+	430	63.1	8.6	30.8	
1-2 PM	1839	0.0	1500	1501	339	16.96+	430	63.0	8.6	30.8	
2-3 PM	1943	0.0	1500	1501	443	16.96+	430	62.8	8.6	30.8	
3-4 PM	2325	0.0	1500	1501	824	16.97+	432	62.0	8.6	30.8	
4-5 PM	2904	0.0	1499	1514	1390	17.10+	442	56.8	8.4	30.8	
5-6 PM	2569	0.0	1500	1496	1073	16.99+	434	60.2	8.5	30.8	
6-7 PM	1504	0.0	1500	1407	97	16.22+	410	63.6	8.8	30.8	
7-8 PM	1060	0.0	1499	1060	0	3.70	150	64.4	22.0	36.8	
8-9 PM	965	0.0	1500	965	0	0.52	0	64.6	50.0	41.8	
9-10 PM	781	0.0	1500	781	0	0.50	0	65.0	50.6	42.5	
10-11 PM	524	0.0	1500	524	0	0.47	0	65.4	51.4	43.4	
11PM-MID	329	0.0	1500	329	0	0.45	0	65.8	52.1	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

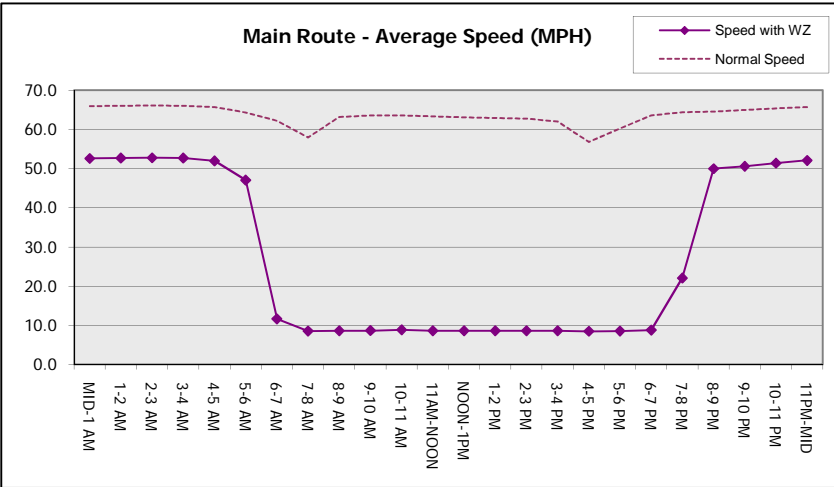
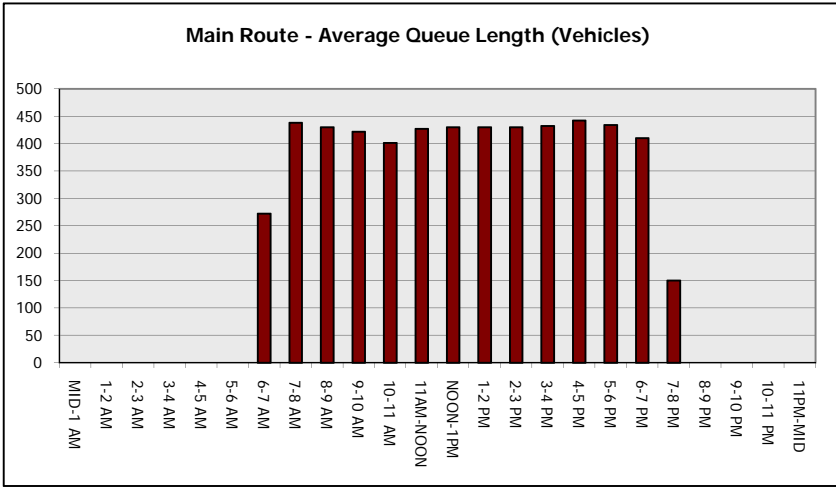
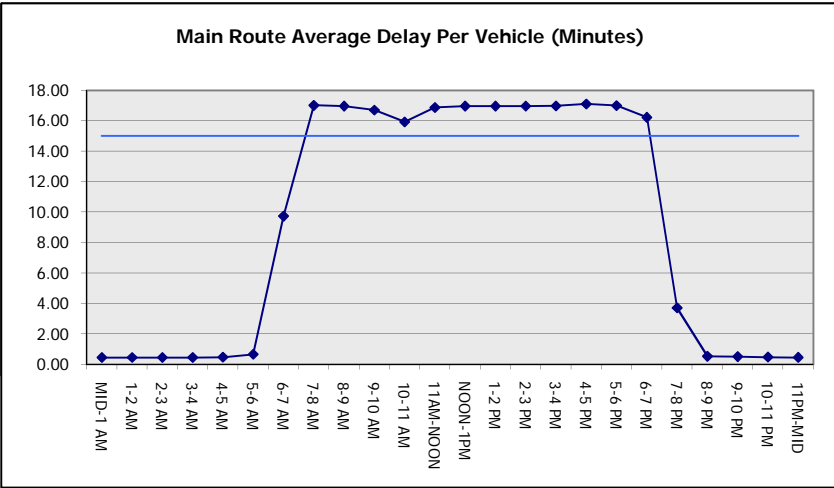
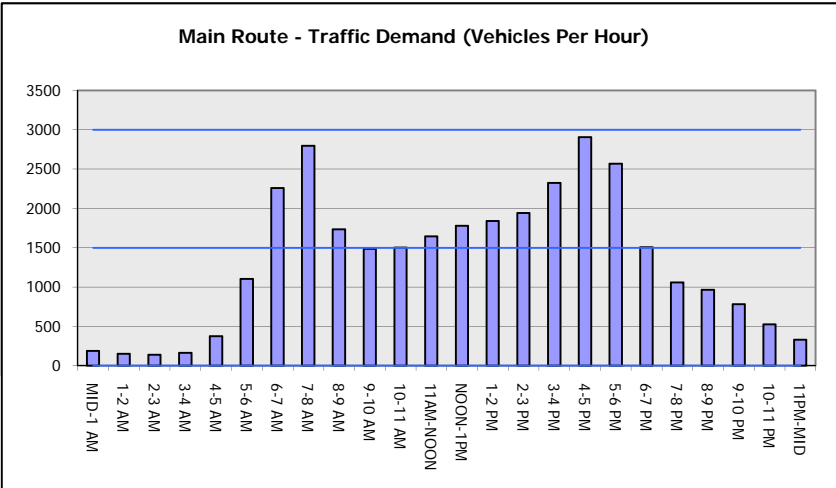
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0097
MAIN ROUTE WITH WORKS	0.0061
'DIVERSION'	0.0045
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$95,060
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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**MAY**  
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Construction Season

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



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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	157	0.0	1500	157	0	0.44	0	66.1	52.7	44.8	
1-2 AM	114	0.0	1500	114	0	0.43	0	66.2	52.8	45.0	
2-3 AM	121	0.0	1500	121	0	0.43	0	66.1	52.8	45.0	
3-4 AM	128	0.0	1500	128	0	0.43	0	66.1	52.8	45.0	
4-5 AM	247	0.0	1500	247	0	0.45	0	66.0	52.4	44.5	
5-6 AM	702	0.0	1500	702	0	0.49	0	65.1	50.9	42.7	
6-7 AM	1750	0.0	1499	1750	0	2.28	65	63.2	27.9	31.0	
7-8 AM	2886	0.0	1499	1670	1217	16.78+	433	56.9	8.6	30.8	
8-9 AM	1962	0.0	1500	1500	462	16.96+	430	62.7	8.6	30.8	
9-10 AM	1577	0.0	1500	1500	77	16.95+	429	63.5	8.6	30.8	
10-11 AM	1513	0.0	1499	1498	15	16.94+	429	63.6	8.6	30.8	
11AM-NOON	1653	0.0	1499	1500	153	16.95+	429	63.3	8.6	30.8	
NOON-1PM	1689	0.0	1500	1500	189	16.95+	430	63.2	8.6	30.8	
1-2 PM	1718	0.0	1500	1500	218	16.95+	430	63.2	8.6	30.8	
2-3 PM	1960	0.0	1499	1500	460	16.96+	430	62.7	8.6	30.8	
3-4 PM	2418	0.0	1499	1500	917	16.97+	432	61.7	8.6	30.8	
4-5 PM	3023	0.0	1499	1516	1507	17.18+	446	55.5	8.4	30.8	
5-6 PM	2716	0.0	1500	1496	1220	17.03+	437	58.7	8.5	30.8	
6-7 PM	1584	0.0	1500	1438	147	16.60+	420	63.4	8.6	30.8	
7-8 PM	1061	0.0	1499	1061	0	4.93	185	64.4	18.6	36.1	
8-9 PM	891	0.0	1500	891	0	0.51	0	64.7	50.2	42.0	
9-10 PM	722	0.0	1500	722	0	0.49	0	65.0	50.8	42.7	
10-11 PM	573	0.0	1500	573	0	0.48	0	65.3	51.3	43.2	
11PM-MID	316	0.0	1500	316	0	0.45	0	65.8	52.2	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	0.0095
MAIN ROUTE WITH WORKS	0.0059
'DIVERSION'	0.0046

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$94,293
CONGESTED HOURS PER DAY*	12

\*Delays Exceeding User-Specified Maximum

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**MON-THUR NORTHBOUND DIRECTION**

