

<b>USH 41: CTH G TO CTH F (BROWN)                  CONTINUOUS (24 HOUR) CLOSURE                  NO DIVERSION ROUTE (MAX QUEUE METHOD)</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	536	0.0	1500	536	0	0.47	0	65.4	51.4	43.3	
1-2 AM	282	0.0	1500	282	0	0.45	0	65.9	52.3	44.3	
2-3 AM	237	0.0	1500	237	0	0.45	0	66.0	52.4	44.5	
3-4 AM	166	0.0	1500	166	0	0.44	0	66.1	52.7	44.8	
4-5 AM	143	0.0	1500	143	0	0.44	0	66.1	52.8	44.9	
5-6 AM	182	0.0	1500	182	0	0.44	0	66.1	52.6	44.8	
6-7 AM	299	0.0	1500	299	0	0.45	0	65.8	52.2	44.3	
7-8 AM	419	0.0	1500	419	0	0.46	0	65.6	51.8	43.8	
8-9 AM	709	0.0	1500	709	0	0.49	0	65.1	50.8	42.7	
9-10 AM	1100	0.0	1499	1100	0	0.58	0	64.3	48.4	39.9	
10-11 AM	1628	0.0	1499	1628	0	2.18	40	63.3	28.6	30.8	
11AM-NOON	1864	0.0	1500	1864	0	11.43+	298	62.9	10.4	30.8	
NOON-1PM	2031	0.0	1500	1463	568	16.88+	428	62.6	8.6	30.8	
1-2 PM	2072	0.0	1499	1495	577	16.97+	431	62.5	8.6	30.8	
2-3 PM	2057	0.0	1499	1496	560	16.97+	431	62.5	8.6	30.8	
3-4 PM	2054	0.0	1499	1497	557	16.97+	431	62.5	8.6	30.8	
4-5 PM	1977	0.0	1499	1498	480	16.96+	430	62.7	8.6	30.8	
5-6 PM	1711	0.0	1499	1498	213	16.95+	430	63.2	8.6	30.8	
6-7 PM	1522	0.0	1499	1472	51	16.85+	426	63.5	8.6	30.8	
7-8 PM	1182	0.0	1499	1182	0	10.24+	268	64.2	11.1	32.4	
8-9 PM	1006	0.0	1500	1006	0	0.74	9	64.5	45.5	41.5	
9-10 PM	707	0.0	1500	707	0	0.49	0	65.1	50.8	42.7	
10-11 PM	511	0.0	1500	511	0	0.47	0	65.5	51.5	43.5	
11PM-MID	322	0.0	1500	322	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

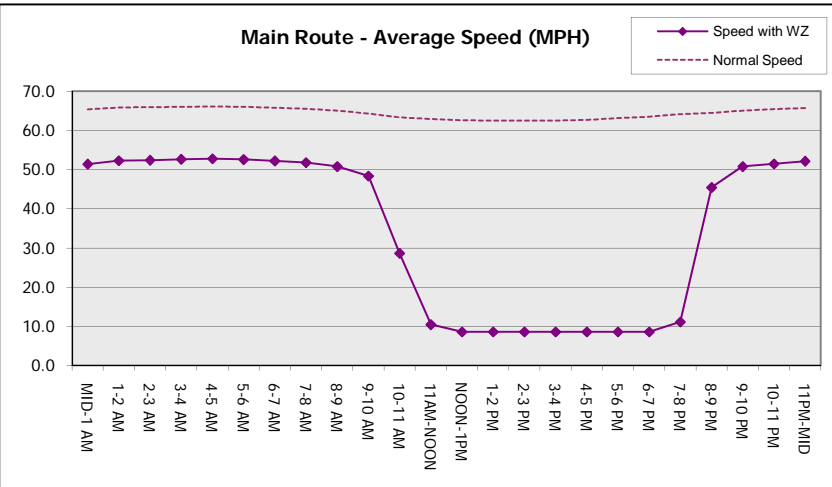
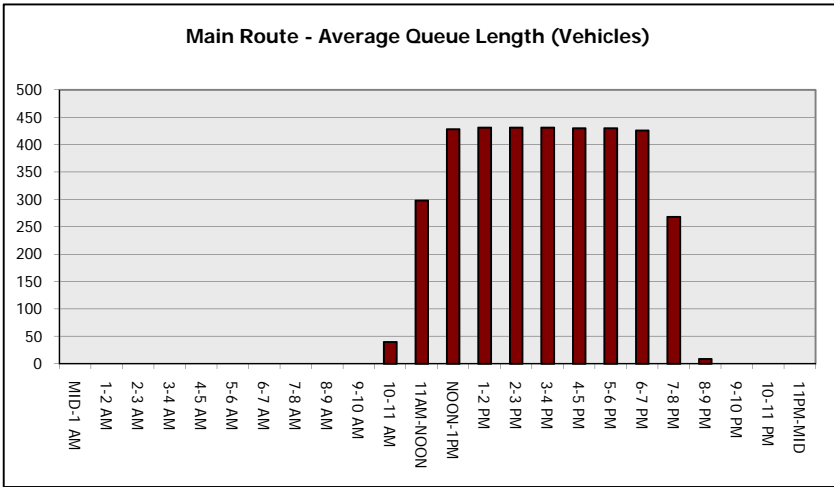
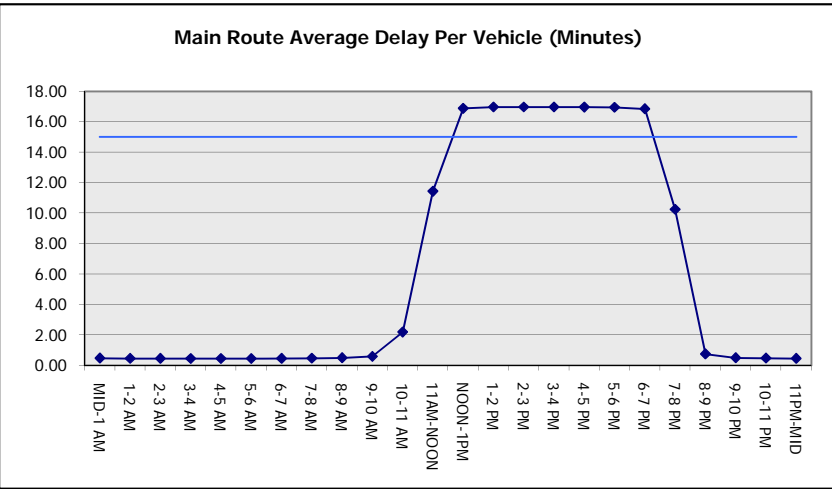
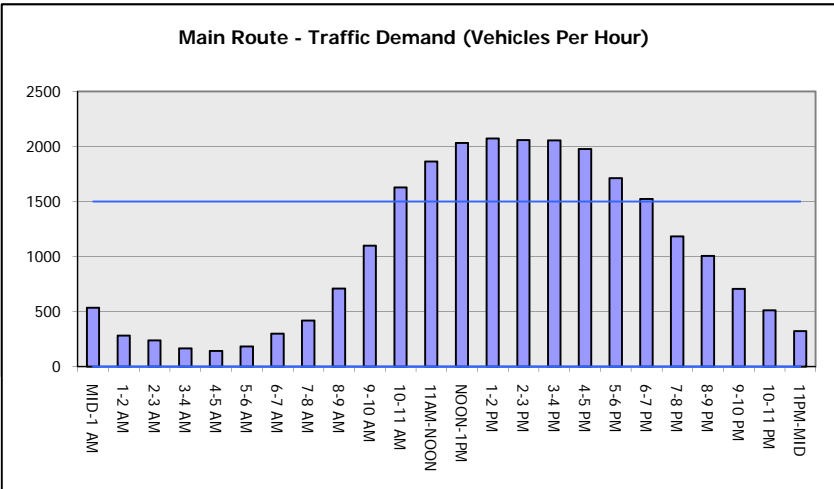
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0075
MAIN ROUTE WITH WORKS	0.0051
'DIVERSION'	0.0021
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$75,605
CONGESTED HOURS PER DAY*	9

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY SOUTHBOUND DIRECTION**



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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	332	0.0	1500	332	0	0.45	0	65.8	52.1	44.2
1-2 AM	183	0.0	1500	183	0	0.44	0	66.1	52.7	44.8
2-3 AM	180	0.0	1500	180	0	0.44	0	66.1	52.8	45.0
3-4 AM	139	0.0	1500	139	0	0.43	0	66.2	52.9	45.1
4-5 AM	98	0.0	1500	98	0	0.44	0	66.0	52.6	44.7
5-6 AM	187	0.0	1500	187	0	0.45	0	65.9	52.3	44.4
6-7 AM	277	0.0	1500	277	0	0.46	0	65.6	51.9	43.8
7-8 AM	406	0.0	1500	406	0	0.48	0	65.3	51.2	43.2
8-9 AM	597	0.0	1500	597	0	0.51	0	64.6	50.1	42.0
9-10 AM	921	0.0	1500	921	0	0.71	0	64.0	45.8	36.7
10-11 AM	1261	0.0	1499	1261	0	1.16	4	63.6	38.7	31.2
11AM-NOON	1497	0.0	1499	1497	0	3.16	61	63.4	23.0	30.8
NOON-1PM	1591	0.0	1500	1591	0	6.72	155	63.4	13.7	30.8
1-2 PM	1588	0.0	1499	1588	0	9.34	224	63.5	11.4	30.8
2-3 PM	1551	0.0	1499	1551	0	11.54	284	63.5	10.2	30.8
3-4 PM	1568	0.0	1500	1568	0	13.54	337	63.5	9.5	30.8
4-5 PM	1533	0.0	1499	1533	0	13.43	334	63.7	9.5	30.8
5-6 PM	1450	0.0	1499	1450	0	7.09	184	64.1	13.8	32.5
6-7 PM	1239	0.0	1499	1239	0	0.57	1	64.5	48.9	41.7
7-8 PM	990	0.0	1500	990	0	0.50	0	64.9	50.5	42.4
8-9 PM	815	0.0	1500	815	0	0.48	0	65.3	51.2	43.2
9-10 PM	581	0.0	1500	581	0	0.46	0	65.6	51.8	43.8
10-11 PM	429	0.0	1500	429	0	0.45	0	65.9	52.4	44.5
11PM-MID	253	0.0	1500	253	0					

*----- 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	0.0060
MAIN ROUTE WITH WORKS	0.0047
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$29,089
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding User-Specified Maximum

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