

<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**

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	212	0.0	1500	212	0	0.44	0	66.0	52.5	44.6	
1-2 AM	161	0.0	1500	161	0	0.44	0	66.1	52.7	44.8	
2-3 AM	141	0.0	1500	141	0	0.44	0	66.1	52.8	44.9	
3-4 AM	181	0.0	1500	181	0	0.44	0	66.1	52.7	44.8	
4-5 AM	406	0.0	1500	406	0	0.46	0	65.6	51.9	43.8	
5-6 AM	1200	0.0	1499	1200	0	0.71	0	64.1	45.8	36.9	
6-7 AM	2305	0.0	1499	1887	418	10.28+	285	62.1	11.2	30.8	
7-8 AM	2904	0.0	1500	1549	1355	17.05+	441	56.8	8.5	30.8	
8-9 AM	1859	0.0	1500	1499	360	16.96+	430	62.9	8.6	30.8	
9-10 AM	1619	0.0	1499	1499	120	16.95+	429	63.3	8.6	30.8	
10-11 AM	1698	0.0	1499	1499	199	16.95+	430	63.2	8.6	30.8	
11AM-NOON	1818	0.0	1499	1500	318	16.96+	430	63.0	8.6	30.8	
NOON-1PM	1947	0.0	1499	1500	447	16.96+	430	62.8	8.6	30.8	
1-2 PM	2056	0.0	1500	1500	556	16.97+	431	62.5	8.6	30.8	
2-3 PM	2196	0.0	1499	1500	696	16.97+	431	62.3	8.6	30.8	
3-4 PM	2492	0.0	1499	1500	992	16.95+	432	61.0	8.6	30.8	
4-5 PM	2989	0.0	1499	1513	1476	17.16+	445	55.9	8.4	30.8	
5-6 PM	2758	0.0	1500	1496	1262	17.04+	438	58.2	8.5	30.8	
6-7 PM	1627	0.0	1500	1462	166	16.80+	425	63.3	8.6	30.8	
7-8 PM	1143	0.0	1499	1143	0	8.83	242	64.3	12.3	33.4	
8-9 PM	1045	0.0	1500	1045	0	0.59	2	64.5	48.4	41.5	
9-10 PM	922	0.0	1500	922	0	0.51	0	64.6	50.1	42.0	
10-11 PM	783	0.0	1500	783	0	0.50	0	64.9	50.5	42.5	
11PM-MID	483	0.0	1500	483	0	0.47	0	65.5	51.6	43.6	

+ 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

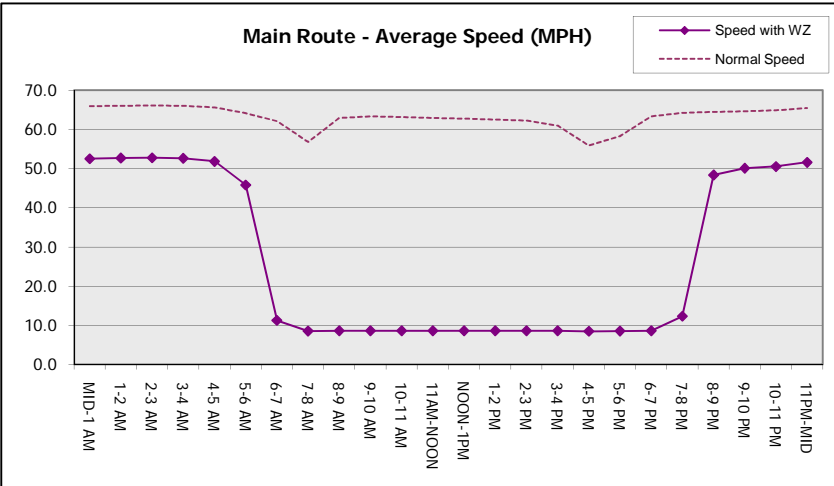
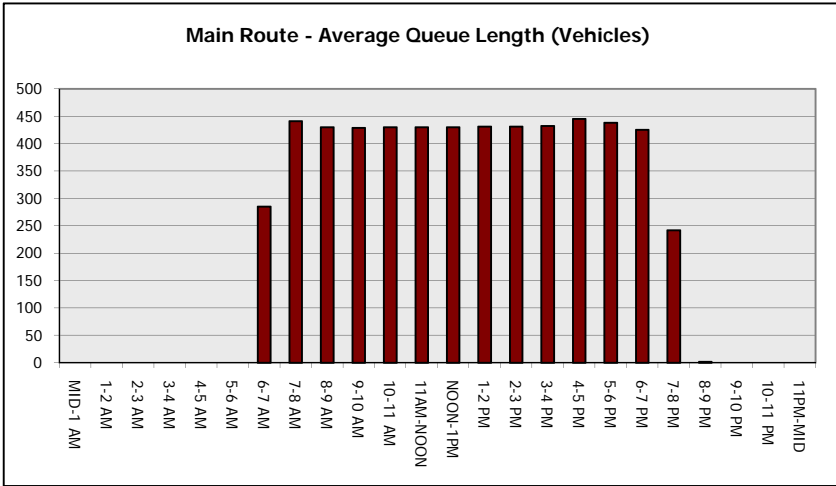
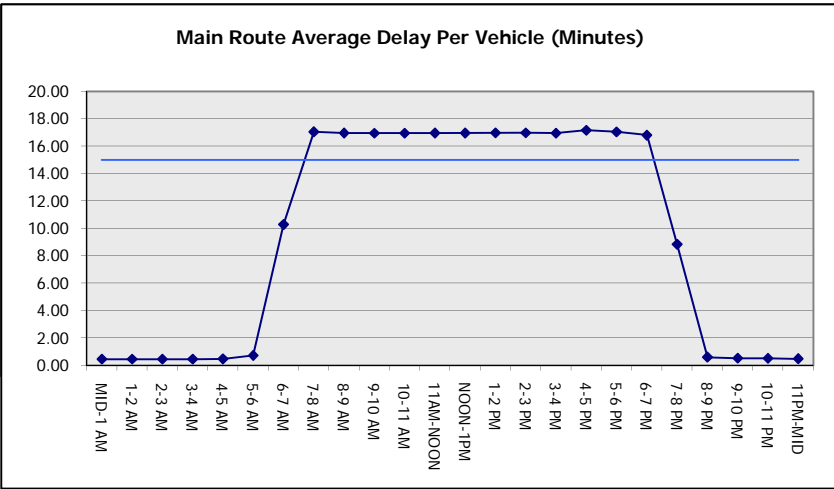
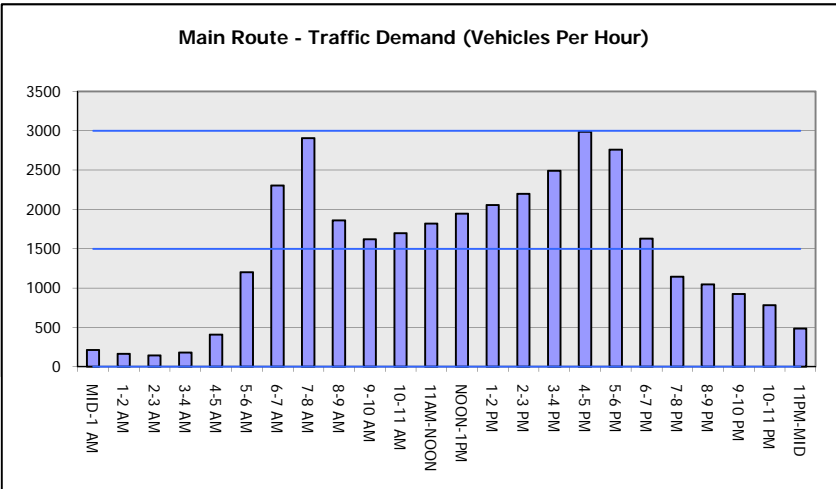
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0106
MAIN ROUTE WITH WORKS	0.0063
'DIVERSION'	0.0059
<small>PIA: Personal Injury Accidents</small>	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$104,680
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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**AUGUST**  
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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	204	0.0	1500	204	0	0.44	0	66.0	52.5	44.6
1-2 AM	127	0.0	1500	127	0	0.43	0	66.1	52.8	45.0
2-3 AM	143	0.0	1500	143	0	0.44	0	66.1	52.8	44.9
3-4 AM	145	0.0	1500	145	0	0.44	0	66.1	52.8	44.9
4-5 AM	273	0.0	1500	273	0	0.45	0	65.9	52.3	44.4
5-6 AM	767	0.0	1500	767	0	0.50	0	65.0	50.6	42.5
6-7 AM	1839	0.0	1499	1839	0	3.32	102	63.0	22.8	30.8
7-8 AM	2915	0.0	1499	1579	1336	17.09+	442	56.6	8.4	30.8
8-9 AM	2124	0.0	1500	1502	621	16.97+	431	62.4	8.6	30.8
9-10 AM	1788	0.0	1500	1502	286	16.96+	430	63.0	8.6	30.8
10-11 AM	1745	0.0	1500	1501	243	16.96+	430	63.2	8.6	30.8
11AM-NOON	1867	0.0	1500	1501	366	16.96+	430	62.9	8.6	30.8
NOON-1PM	1928	0.0	1500	1501	427	16.96+	430	62.8	8.6	30.8
1-2 PM	1940	0.0	1500	1501	440	16.96+	430	62.8	8.6	30.8
2-3 PM	2192	0.0	1500	1501	691	16.97+	431	62.3	8.6	30.8
3-4 PM	2677	0.0	1499	1508	1169	16.98+	435	59.1	8.5	30.8
4-5 PM	3243	0.0	1499	1503	1739	17.23+	451	53.3	8.4	30.8
5-6 PM	2966	0.0	1500	1501	1464	17.15+	444	56.1	8.4	30.8
6-7 PM	1802	0.0	1500	1496	307	16.95+	430	63.0	8.6	30.8
7-8 PM	1155	0.0	1499	1155	0	10.87+	289	64.2	10.8	33.0
8-9 PM	979	0.0	1500	979	0	0.71	8	64.6	46.1	41.7
9-10 PM	791	0.0	1500	791	0	0.50	0	64.9	50.5	42.4
10-11 PM	614	0.0	1500	614	0	0.48	0	65.3	51.2	43.1
11PM-MID	364	0.0	1500	364	0	0.46	0	65.7	52.0	44.0

+ 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	0.0105
MAIN ROUTE WITH WORKS	0.0060
'DIVERSION'	0.0064

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$105,995
CONGESTED HOURS PER DAY*	13

\*Delays Exceeding User-Specified Maximum

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