

USH 41: CTH G TO CTH F (BROWN) CONTINUOUS (24 HOUR) CLOSURE NO DIVERSION ROUTE (MAX QUEUE METHOD)	MAY
	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	350	0.0	1500	350	0	0.46	0	65.8	52.0	44.1	
1-2 AM	240	0.0	1500	240	0	0.45	0	66.0	52.4	44.5	
2-3 AM	227	0.0	1500	227	0	0.44	0	66.0	52.5	44.6	
3-4 AM	155	0.0	1500	155	0	0.44	0	66.1	52.7	44.8	
4-5 AM	128	0.0	1500	128	0	0.43	0	66.1	52.8	45.0	
5-6 AM	170	0.0	1500	170	0	0.44	0	66.1	52.7	44.8	
6-7 AM	307	0.0	1500	307	0	0.45	0	65.8	52.2	44.3	
7-8 AM	435	0.0	1500	435	0	0.46	0	65.6	51.7	43.8	
8-9 AM	675	0.0	1500	675	0	0.49	0	65.1	50.9	42.8	
9-10 AM	1120	0.0	1499	1120	0	0.59	0	64.3	48.3	39.7	
10-11 AM	1501	0.0	1499	1501	0	1.26	8	63.6	37.4	31.5	
11AM-NOON	1670	0.0	1500	1670	0	4.78	111	63.3	17.5	30.8	
NOON-1PM	1756	0.0	1500	1756	0	12.99+	330	63.1	9.7	30.8	
1-2 PM	1722	0.0	1499	1483	239	16.91+	429	63.2	8.6	30.8	
2-3 PM	1706	0.0	1499	1498	208	16.95+	430	63.2	8.6	30.8	
3-4 PM	1767	0.0	1499	1498	269	16.96+	430	63.1	8.6	30.8	
4-5 PM	1801	0.0	1499	1498	303	16.96+	430	63.0	8.6	30.8	
5-6 PM	1581	0.0	1499	1490	91	16.92+	428	63.5	8.6	30.8	
6-7 PM	1373	0.0	1499	1373	0	15.04+	379	63.8	9.1	30.8	
7-8 PM	1108	0.0	1499	1108	0	3.36	130	64.3	23.2	36.5	
8-9 PM	856	0.0	1500	856	0	0.51	0	64.8	50.4	42.2	
9-10 PM	647	0.0	1500	647	0	0.49	0	65.2	51.0	43.0	
10-11 PM	465	0.0	1500	465	0	0.47	0	65.5	51.7	43.7	
11PM-MID	315	0.0	1500	315	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

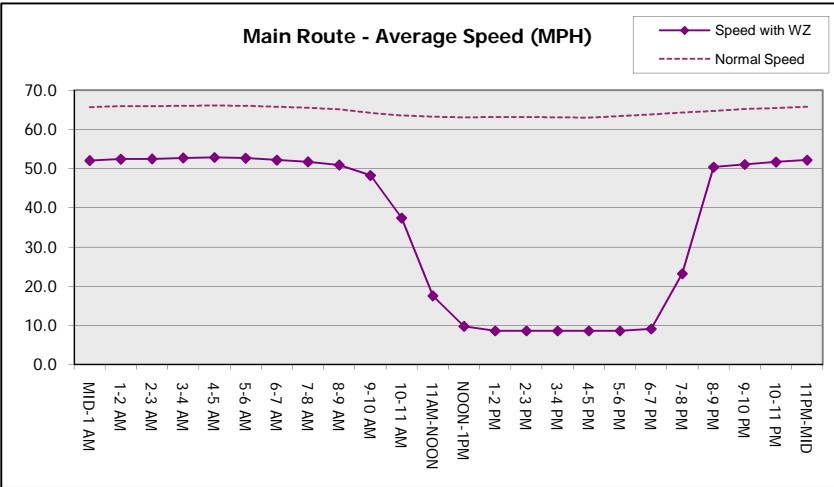
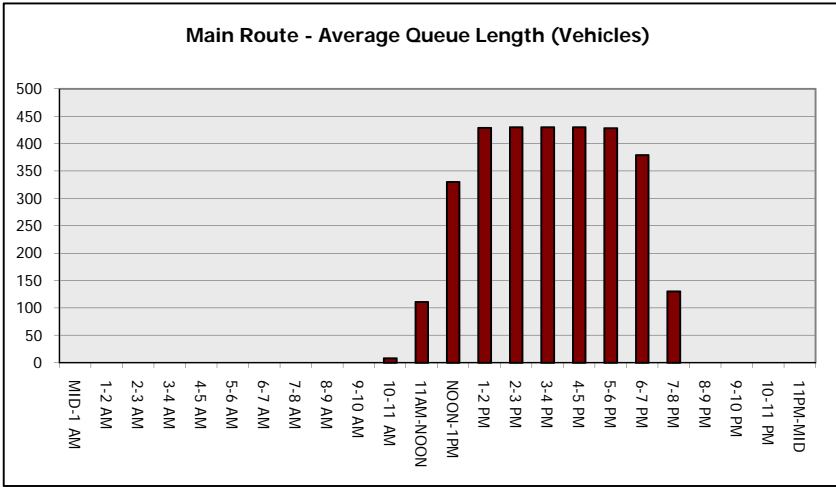
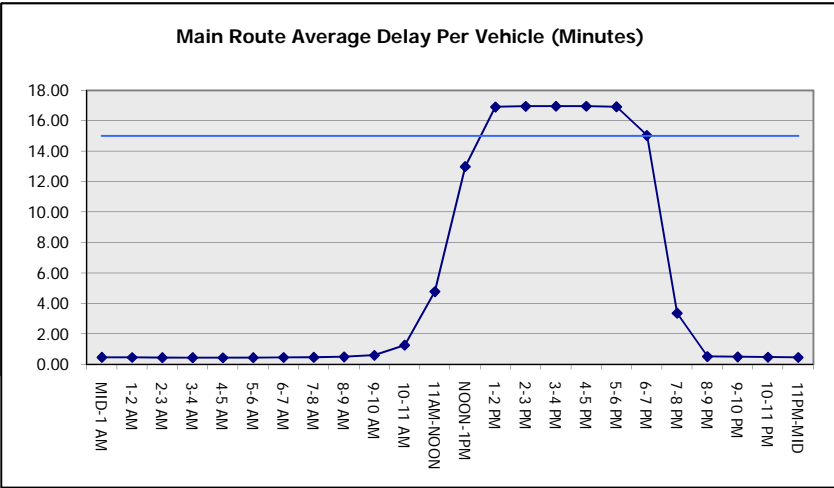
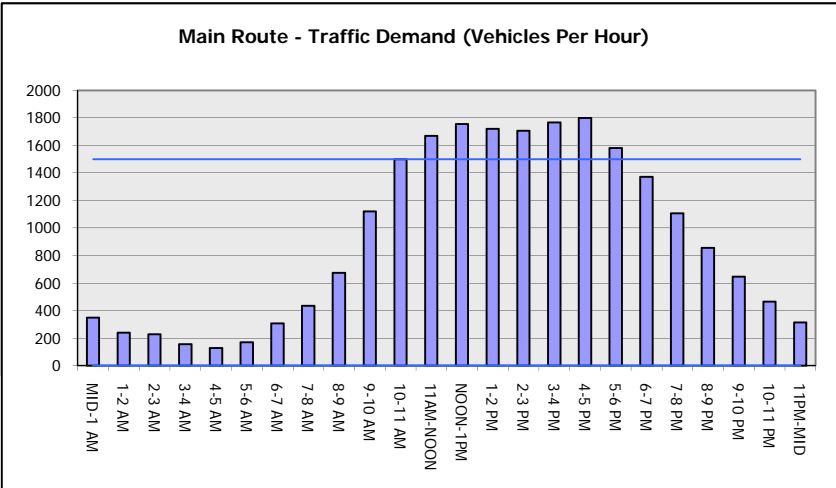
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0067
MAIN ROUTE WITH WORKS	0.0050
'DIVERSION'	0.0008
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$58,194
CONGESTED HOURS PER DAY*	7

*Delays Exceeding User-Specified Maximum

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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	303	0.0	1500	303	0	0.45	0	65.8	52.2	44.3
1-2 AM	187	0.0	1500	187	0	0.44	0	66.0	52.6	44.7
2-3 AM	196	0.0	1500	196	0	0.44	0	66.0	52.6	44.7
3-4 AM	124	0.0	1500	124	0	0.43	0	66.1	52.8	45.0
4-5 AM	110	0.0	1500	110	0	0.43	0	66.2	52.9	45.0
5-6 AM	261	0.0	1500	261	0	0.45	0	65.9	52.4	44.5
6-7 AM	400	0.0	1500	400	0	0.46	0	65.6	51.9	43.9
7-8 AM	518	0.0	1500	518	0	0.47	0	65.4	51.5	43.4
8-9 AM	730	0.0	1500	730	0	0.49	0	65.0	50.7	42.7
9-10 AM	1008	0.0	1500	1008	0	0.52	0	64.5	49.9	41.7
10-11 AM	1258	0.0	1500	1258	0	0.71	0	64.0	45.8	36.7
11AM-NOON	1422	0.0	1499	1422	0	0.92	0	63.7	42.0	32.5
NOON-1PM	1545	0.0	1499	1545	0	1.81	22	63.5	31.7	30.8
1-2 PM	1425	0.0	1499	1425	0	1.45	15	63.7	35.1	31.9
2-3 PM	1437	0.0	1500	1437	0	0.94	0	63.7	41.7	32.1
3-4 PM	1378	0.0	1499	1378	0	0.87	0	63.8	43.0	33.5
4-5 PM	1491	0.0	1499	1491	0	1.03	0	63.6	40.4	31.0
5-6 PM	1275	0.0	1500	1275	0	0.73	0	64.0	45.3	36.2
6-7 PM	1143	0.0	1500	1143	0	0.56	0	64.3	48.8	40.4
7-8 PM	986	0.0	1500	986	0	0.52	0	64.5	49.9	41.7
8-9 PM	803	0.0	1500	803	0	0.50	0	64.9	50.5	42.4
9-10 PM	611	0.0	1500	611	0	0.48	0	65.3	51.2	43.1
10-11 PM	424	0.0	1500	424	0	0.46	0	65.6	51.8	43.8
11PM-MID	242	0.0	1500	242	0	0.45	0	66.0	52.4	44.5

----- 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	0.0058
MAIN ROUTE WITH WORKS	0.0046
'DIVERSION'	0.0000

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$4,552
CONGESTED HOURS PER DAY*	0

*Delays Exceeding User-Specified Maximum

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