

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

SATURDAY 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	352	0.0	1500	352	0	0.46	0	65.7	52.0	44.1	
1-2 AM	261	0.0	1500	261	0	0.45	0	65.9	52.4	44.5	
2-3 AM	221	0.0	1500	221	0	0.44	0	66.0	52.5	44.6	
3-4 AM	168	0.0	1500	168	0	0.44	0	66.1	52.7	44.8	
4-5 AM	192	0.0	1500	192	0	0.44	0	66.0	52.6	44.7	
5-6 AM	323	0.0	1500	323	0	0.45	0	65.8	52.1	44.2	
6-7 AM	548	0.0	1500	548	0	0.48	0	65.4	51.4	43.3	
7-8 AM	865	0.0	1500	865	0	0.51	0	64.8	50.3	42.2	
8-9 AM	1066	0.0	1500	1066	0	0.53	0	64.4	49.7	41.4	
9-10 AM	1281	0.0	1499	1281	0	0.74	0	64.0	45.3	36.1	
10-11 AM	1501	0.0	1499	1501	0	1.16	4	63.6	38.6	31.2	
11AM-NOON	1580	0.0	1500	1580	0	2.93	54	63.5	24.2	30.8	
NOON-1PM	1643	0.0	1500	1643	0	7.16	170	63.3	13.2	30.8	
1-2 PM	1581	0.0	1499	1581	0	11.49	283	63.5	10.2	30.8	
2-3 PM	1615	0.0	1500	1615	0	14.98+	377	63.4	9.1	30.8	
3-4 PM	1672	0.0	1499	1499	173	16.95+	430	63.3	8.6	30.8	
4-5 PM	1639	0.0	1499	1499	140	16.95+	429	63.3	8.6	30.8	
5-6 PM	1514	0.0	1499	1483	31	16.88+	427	63.6	8.6	30.8	
6-7 PM	1304	0.0	1499	1304	0	13.31+	335	64.0	9.6	30.8	
7-8 PM	1028	0.0	1499	1028	0	1.61	58	64.5	33.9	39.3	
8-9 PM	936	0.0	1500	936	0	0.51	0	64.6	50.1	41.9	
9-10 PM	819	0.0	1500	819	0	0.50	0	64.8	50.5	42.3	
10-11 PM	658	0.0	1500	658	0	0.49	0	65.1	51.0	42.9	
11PM-MID	523	0.0	1500	523	0	0.47	0	65.4	51.4	43.4	

+ 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

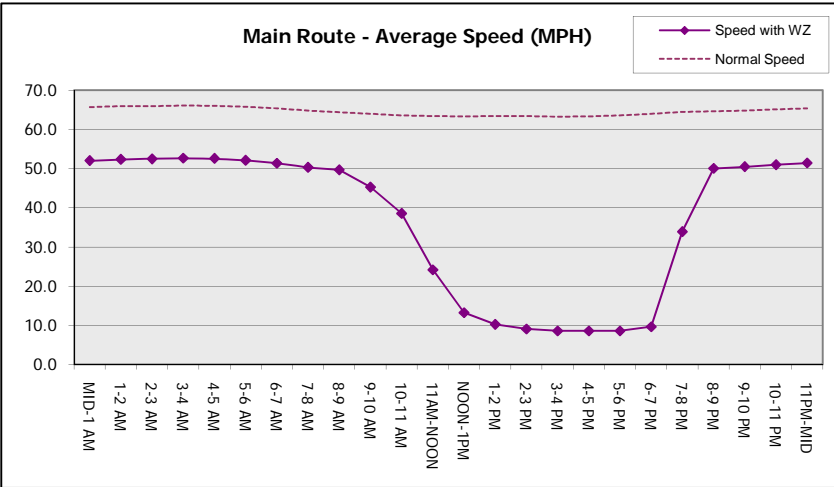
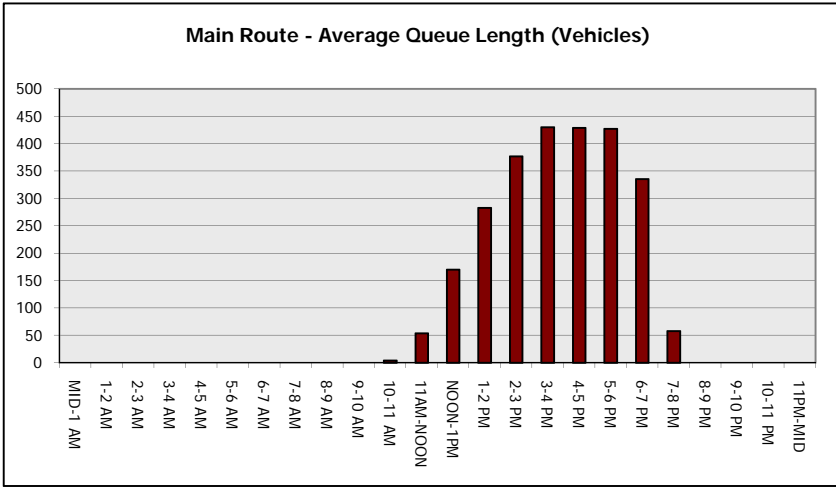
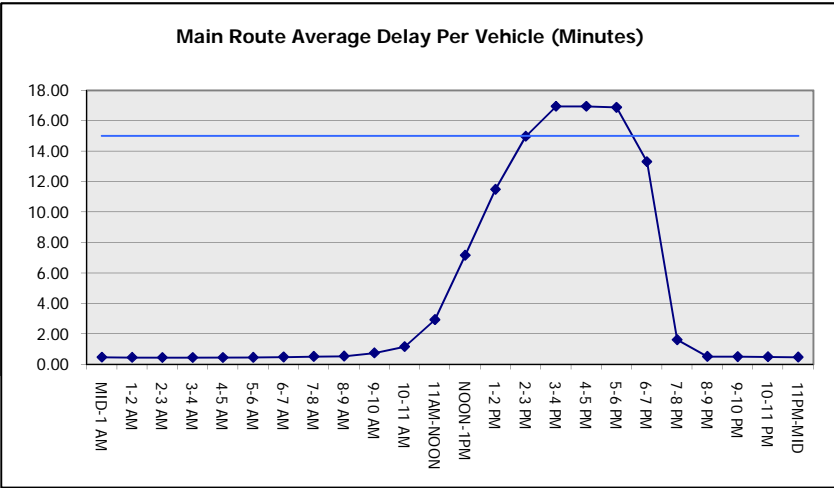
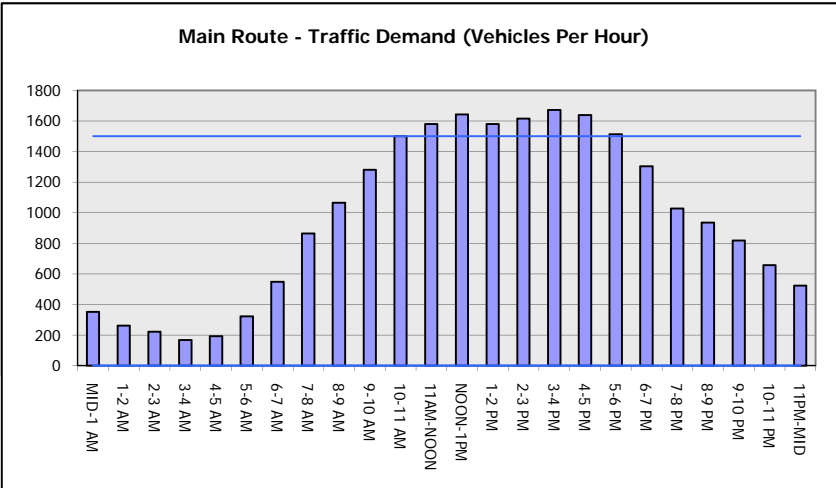
AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0070
MAIN ROUTE WITH WORKS	0.0054
'DIVERSION'	0.0002
PIA: Personal Injury Accidents	
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY	\$46,341
CONGESTED HOURS PER DAY*	5

*Delays Exceeding User-Specified Maximum

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



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SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	290	0.0	1500	290	0	0.45	0	65.8	52.2	44.3
1-2 AM	182	0.0	1500	182	0	0.44	0	66.1	52.6	44.8
2-3 AM	168	0.0	1500	168	0	0.44	0	66.1	52.7	44.8
3-4 AM	128	0.0	1500	128	0	0.43	0	66.1	52.8	45.0
4-5 AM	156	0.0	1500	156	0	0.44	0	66.1	52.7	44.8
5-6 AM	287	0.0	1500	287	0	0.45	0	65.8	52.3	44.3
6-7 AM	514	0.0	1500	514	0	0.47	0	65.5	51.5	43.5
7-8 AM	915	0.0	1500	915	0	0.51	0	64.7	50.1	42.0
8-9 AM	1345	0.0	1499	1345	0	0.82	0	63.9	43.8	34.4
9-10 AM	1498	0.0	1499	1498	0	1.15	4	63.6	38.8	31.2
10-11 AM	1649	0.0	1500	1649	0	3.79	84	63.3	20.4	30.8
11AM-NOON	1761	0.0	1500	1761	0	11.56+	293	63.1	10.3	30.8
NOON-1PM	1781	0.0	1499	1500	280	16.96+	430	63.1	8.6	30.8
1-2 PM	1666	0.0	1500	1500	165	16.95+	430	63.3	8.6	30.8
2-3 PM	1638	0.0	1500	1500	138	16.95+	429	63.3	8.6	30.8
3-4 PM	1668	0.0	1500	1500	167	16.95+	430	63.3	8.6	30.8
4-5 PM	1584	0.0	1500	1500	84	16.95+	429	63.4	8.6	30.8
5-6 PM	1518	0.0	1500	1493	25	16.88+	427	63.5	8.6	30.8
6-7 PM	1322	0.0	1499	1322	0	13.81+	348	63.9	9.4	30.8
7-8 PM	1029	0.0	1499	1029	0	1.80	70	64.5	32.3	38.9
8-9 PM	915	0.0	1500	915	0	0.51	0	64.7	50.1	42.0
9-10 PM	793	0.0	1500	793	0	0.50	0	64.9	50.5	42.4
10-11 PM	694	0.0	1500	694	0	0.49	0	65.1	50.9	42.8
11PM-MID	435	0.0	1500	435	0	0.46	0	65.6	51.7	43.8

+ 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	0.0072
MAIN ROUTE WITH WORKS	0.0055
'DIVERSION'	0.0006

PIA: Personal Injury Accidents

ECONOMIC IMPACT ON ROAD USERS	
ROAD USER COSTS PER DAY	\$61,350
CONGESTED HOURS PER DAY*	8

*Delays Exceeding User-Specified Maximum

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