

USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	AUGUST
	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		ALTERNATE ROUTE		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	417	0.0	28	0.0	1500	417	0	28	0.52	0	70.2	55.4	43.8	24.7	24.7
1-2 AM	231	0.0	15	0.0	1500	231	0	15	0.50	0	70.2	56.0	44.6	24.7	24.7
2-3 AM	183	0.0	12	0.0	1500	183	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	181	0.0	12	0.0	1500	181	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
4-5 AM	288	0.0	20	0.0	1500	288	0	20	0.51	0	70.2	55.8	44.3	24.7	24.7
5-6 AM	510	0.0	34	0.0	1500	510	0	34	0.53	0	70.1	55.1	43.5	24.6	24.6
6-7 AM	872	0.0	59	0.0	1500	872	0	59	0.57	0	69.7	54.0	42.1	24.4	24.4
7-8 AM	1119	0.0	75	0.0	1499	1119	0	75	0.65	0	69.4	52.4	40.1	24.3	24.3
8-9 AM	1486	0.0	100	0.0	1499	1486	0	100	1.37	11	68.9	40.9	32.0	24.1	24.1
9-10 AM	1943	0.0	131	0.0	1500	1702	241	371	7.69	185	68.3	14.2	30.8	23.8	22.0
10-11 AM	2209	0.0	148	0.0	1499	1536	674	822	11.24	266	68.0	10.4	30.8	23.7	18.5
11A-NOON	2470	0.0	166	0.0	1500	1541	928	1094	12.92	310	67.7	9.3	30.8	23.6	16.5
NOON-1PM	2430	0.0	164	0.0	1499	1486	944	1108	13.01	312	67.7	9.2	30.8	23.6	16.3
1-2 PM	2454	0.0	165	0.0	1500	1505	949	1114	13.06	314	67.7	9.1	30.8	23.6	16.3
2-3 PM	2437	0.0	164	0.0	1499	1494	943	1106	13.01	312	67.7	9.2	30.8	23.6	16.4
3-4 PM	2345	0.0	157	0.0	1500	1481	864	1021	12.43	297	67.8	9.6	30.8	23.7	17.0
4-5 PM	2244	0.0	150	0.0	1500	1481	763	913	11.76	279	67.9	10.0	30.8	23.7	17.8
5-6 PM	2077	0.0	140	0.0	1500	1473	605	745	10.83	255	68.1	10.7	30.8	23.8	19.1
6-7 PM	1828	0.0	122	0.0	1500	1467	361	484	9.63	223	68.4	11.9	30.8	23.9	21.1
7-8 PM	1505	0.0	101	0.0	1500	1454	51	152	8.21	186	68.9	13.5	30.8	24.1	23.7
8-9 PM	1397	0.0	94	0.0	1499	1397	0	94	5.57	121	69.0	18.2	30.9	24.1	24.1
9-10 PM	1257	0.0	84	0.0	1500	1257	0	84	1.07	9	69.2	45.0	36.3	24.2	24.2
10-11 PM	994	0.0	67	0.0	1500	994	0	67	0.59	0	69.5	53.7	41.7	24.3	24.3
11PM-MID	742	0.0	49	0.0	1500	742	0	49	0.56	0	69.8	54.4	42.6	24.5	24.5

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0123
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0461

PIA: Personal Injury Accidents

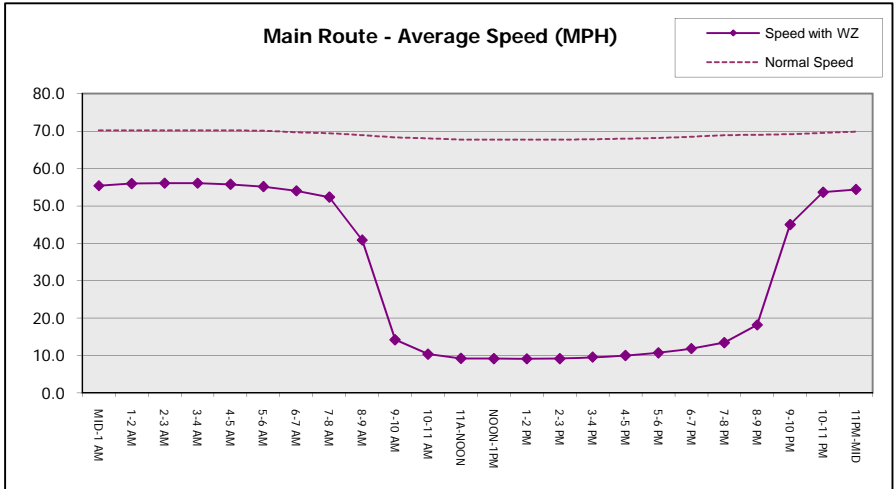
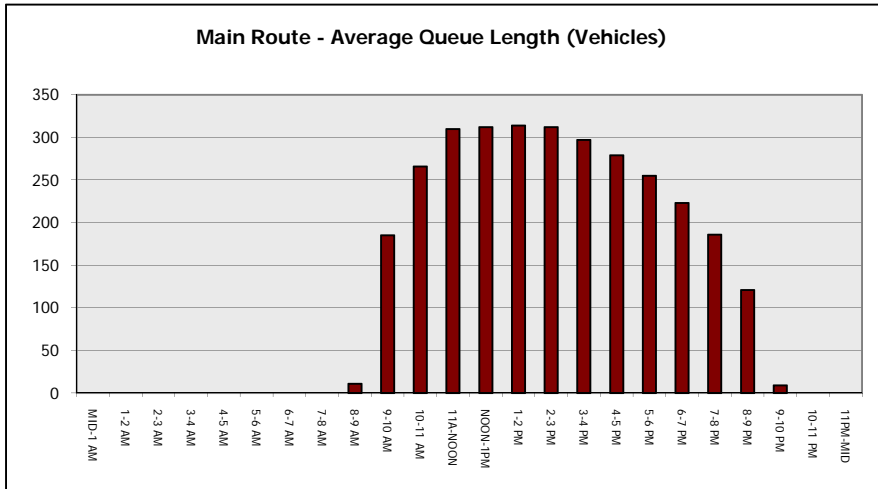
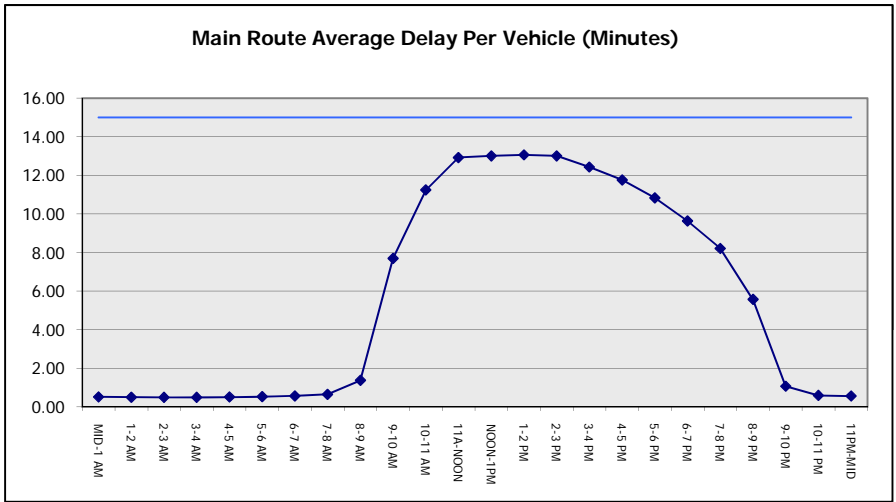
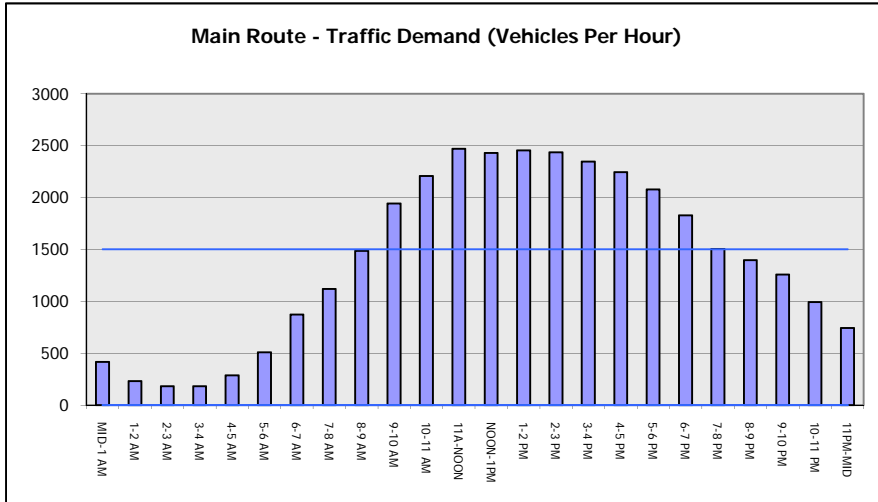
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$85,726
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) 2 LANE CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	AUGUST
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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			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		ALTERNATE ROUTE		
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN	SITE	WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	629	0.0	42	0.0	1500	629	0	42	0.55	0	69.9	54.8	43.0	24.5	24.5
1-2 AM	345	0.0	24	0.0	1500	345	0	24	0.51	0	70.2	55.6	44.1	24.7	24.7
2-3 AM	268	0.0	17	0.0	1500	268	0	17	0.51	0	70.2	55.8	44.4	24.7	24.7
3-4 AM	207	0.0	14	0.0	1500	207	0	14	0.50	0	70.2	56.0	44.6	24.7	24.7
4-5 AM	289	0.0	20	0.0	1500	289	0	20	0.51	0	70.2	55.8	44.3	24.7	24.7
5-6 AM	489	0.0	33	0.0	1500	489	0	33	0.53	0	70.1	55.2	43.5	24.6	24.6
6-7 AM	910	0.0	61	0.0	1500	910	0	61	0.58	0	69.6	53.9	42.0	24.3	24.3
7-8 AM	1214	0.0	81	0.0	1499	1214	0	81	0.72	0	69.2	50.9	38.3	24.2	24.2
8-9 AM	1625	0.0	109	0.0	1499	1625	0	109	2.28	39	68.7	32.2	30.8	24.0	24.0
9-10 AM	1962	0.0	132	0.0	1500	1621	341	473	9.35	220	68.3	12.1	30.8	23.8	21.2
10-11 AM	2240	0.0	150	0.0	1500	1538	702	852	11.41	270	67.9	10.2	30.8	23.7	18.3
11A-NOON	2352	0.0	159	0.0	1499	1518	834	993	12.24	292	67.8	9.6	30.8	23.6	17.2
NOON-1PM	2547	0.0	171	0.0	1500	1528	1018	1189	13.63	329	67.6	8.9	30.8	23.5	15.8
1-2 PM	2193	0.0	147	0.0	1499	1428	765	912	11.76	280	68.0	10.0	30.8	23.7	17.8
2-3 PM	2027	0.0	136	0.0	1500	1489	538	674	10.48	246	68.2	11.1	30.8	23.8	19.7
3-4 PM	2337	0.0	157	0.0	1500	1549	788	945	11.95	285	67.8	9.9	30.8	23.7	17.6
4-5 PM	2194	0.0	147	0.0	1499	1466	728	875	11.54	274	68.0	10.2	30.8	23.7	18.1
5-6 PM	1994	0.0	134	0.0	1500	1469	525	658	10.41	244	68.2	11.1	30.8	23.8	19.8
6-7 PM	1682	0.0	113	0.0	1500	1464	218	331	9.02	207	68.6	12.5	30.8	24.0	22.3
7-8 PM	1410	0.0	95	0.0	1499	1404	6	101	7.04	158	69.0	15.3	30.8	24.1	24.1
8-9 PM	1265	0.0	85	0.0	1500	1265	0	85	1.44	23	69.2	40.2	35.4	24.2	24.2
9-10 PM	1256	0.0	84	0.0	1500	1256	0	84	0.78	0	69.2	49.7	36.8	24.2	24.2
10-11 PM	1117	0.0	75	0.0	1500	1117	0	75	0.60	0	69.4	53.3	41.3	24.3	24.3
11PM-MID	715	0.0	48	0.0	1500	715	0	48	0.56	0	69.9	54.5	42.7	24.5	24.5

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV BREAKDOWNS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

----- SITE ACCIDENT DELAYS -----	
ACCIDENT DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN	0.0
(VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN	0.0
(VEH-H) MAX	0.0
AV ACCIDENTS PER DAY	0.00
AV QUEUE DELAY/DAY (VEH-H)	0.0
AV DIVN DELAY/DAY (VEH-H)	0.0
AV TOTAL DELAY/DAY (VEH-H)	0.0

AVERAGE ACCIDENT NUMBERS (PIA/DAY)	
MAIN ROUTE WITHOUT WORKS	0.0122
MAIN ROUTE WITH WORKS	0.0080
DIVERSION	0.0419

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$78,121
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

AUGUST
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SATURDAY NORTHBOUND DIRECTION

