

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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	287	0.0	20	0.0	1500	287	0	20	0.51	0	70.2	55.8	44.3	24.7	24.7
1-2 AM	187	0.0	12	0.0	1500	187	0	12	0.50	0	70.2	56.1	44.7	24.7	24.7
2-3 AM	204	0.0	13	0.0	1500	204	0	13	0.50	0	70.2	56.0	44.6	24.7	24.7
3-4 AM	279	0.0	19	0.0	1500	279	0	19	0.51	0	70.2	55.8	44.3	24.7	24.7
4-5 AM	545	0.0	37	0.0	1500	545	0	37	0.54	0	70.0	55.0	43.3	24.5	24.5
5-6 AM	1821	0.0	123	0.0	1499	1821	0	123	2.59	89	68.5	29.9	31.6	23.9	23.9
6-7 AM	3736	0.0	251	0.0	1499	1587	2148	2400+	18.74	465	65.3	7.5	30.8	22.9	12.5
7-8 AM	4068	0.0	274	0.0	1500	1500	2568	2842+	19.07	475	63.0	7.3	30.8	22.7	12.4
8-9 AM	2698	0.0	181	0.0	1500	1378	1320	1501+	16.63	410	67.4	7.9	30.8	23.5	13.7
9-10 AM	2140	0.0	144	0.0	1500	1424	716	860	11.46	272	68.1	10.2	30.8	23.7	18.3
10-11 AM	2112	0.0	142	0.0	1500	1508	605	747	10.85	255	68.1	10.7	30.8	23.7	19.1
11A-NOON	2175	0.0	146	0.0	1500	1514	662	808	11.17	264	68.0	10.4	30.8	23.7	18.6
NOON-1PM	2359	0.0	159	0.0	1500	1530	829	988	12.21	291	67.8	9.7	30.8	23.6	17.3
1-2 PM	2366	0.0	159	0.0	1499	1503	862	1021	12.42	297	67.8	9.6	30.8	23.6	17.0
2-3 PM	2656	0.0	178	0.0	1500	1567	1088	1267+	14.27	346	67.4	8.7	30.8	23.5	15.3
3-4 PM	2781	0.0	187	0.0	1499	1528	1253	1441+	15.91	389	67.3	8.1	30.8	23.4	14.1
4-5 PM	2782	0.0	187	0.0	1499	1492	1291	1478+	16.31	399	67.3	8.0	30.8	23.4	13.8
5-6 PM	2568	0.0	173	0.0	1499	1435	1134	1307+	14.62	355	67.6	8.6	30.8	23.5	15.0
6-7 PM	2201	0.0	148	0.0	1500	1425	776	924	11.83	282	68.0	9.9	30.8	23.7	17.8
7-8 PM	1557	0.0	105	0.0	1500	1407	150	255	8.50	195	68.8	13.1	30.8	24.0	22.9
8-9 PM	1198	0.0	80	0.0	1499	1198	0	80	1.84	48	69.2	36.0	36.6	24.2	24.2
9-10 PM	1164	0.0	78	0.0	1500	1164	0	78	0.66	0	69.3	52.0	39.6	24.2	24.2
10-11 PM	946	0.0	64	0.0	1500	946	0	64	0.58	0	69.6	53.8	41.9	24.3	24.3
11PM-MID	755	0.0	50	0.0	1500	755	0	50	0.56	0	69.8	54.4	42.5	24.5	24.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- SITE BREAKDOWN DELAYS -----	
BREAKDOWN DURATION (MINS)	0
RANGE OF QUEUE DELAY - MIN (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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 (VEH-H) MAX	0.0
RANGE OF DIVN DELAY - MIN (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	0.0159
MAIN ROUTE WITH WORKS	0.0085
DIVERSION	0.0883

PIA: Personal Injury Accidents

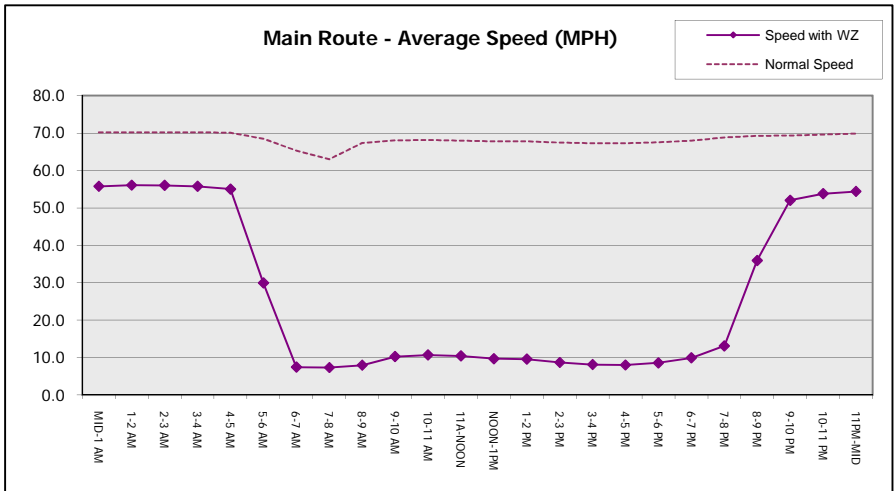
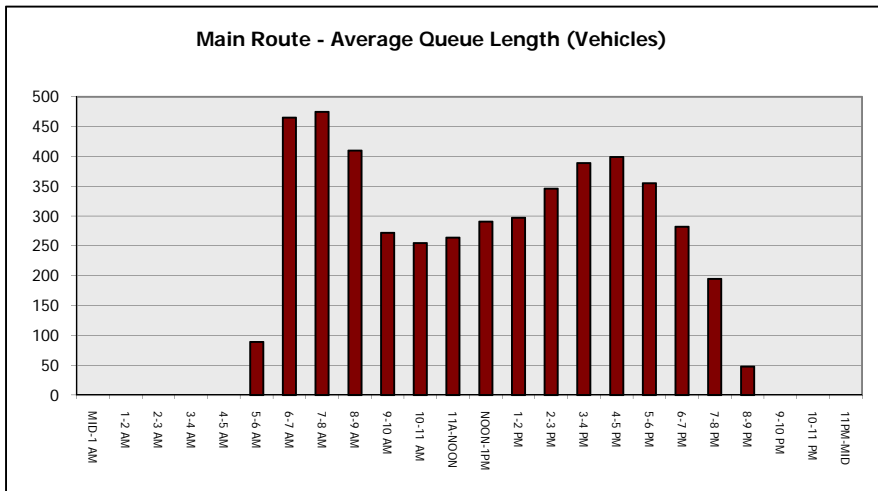
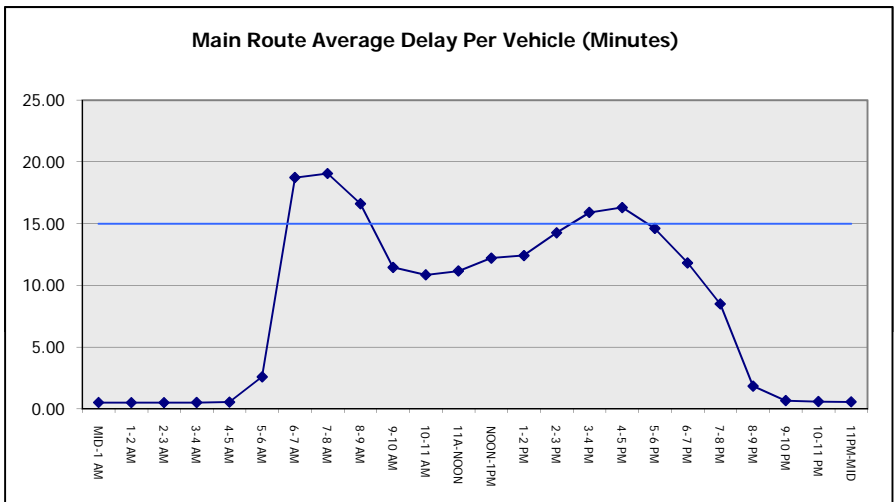
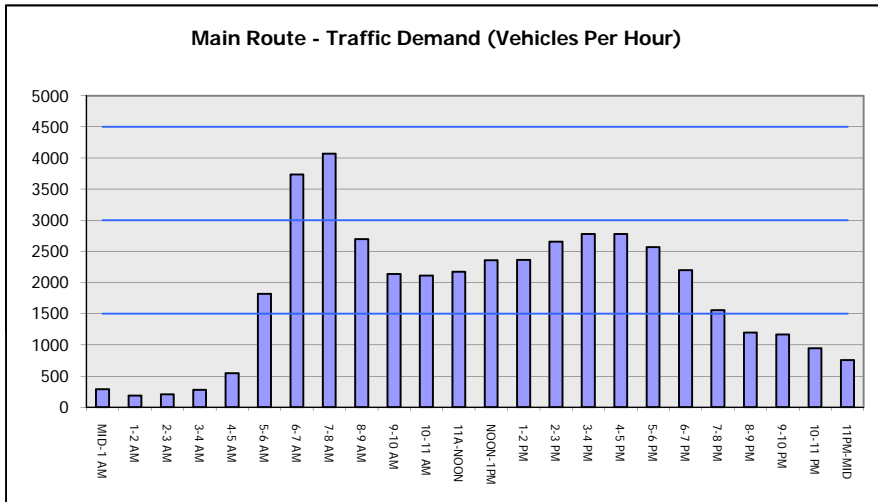
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$130,483
CONGESTED HOURS PER DAY*	5

*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**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY 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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

FRIDAY 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	345	0.0	24	0.0	1500	345	0	24	0.51	0	70.2	55.6	44.1	24.7	24.7
1-2 AM	241	0.0	16	0.0	1500	241	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
2-3 AM	230	0.0	15	0.0	1500	230	0	15	0.50	0	70.2	56.0	44.6	24.7	24.7
3-4 AM	246	0.0	16	0.0	1500	246	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
4-5 AM	482	0.0	32	0.0	1500	482	0	32	0.53	0	70.1	55.2	43.6	24.6	24.6
5-6 AM	1151	0.0	77	0.0	1499	1151	0	77	0.72	0	69.3	50.8	38.2	24.2	24.2
6-7 AM	1958	0.0	132	0.0	1499	1757	200	332	6.24	157	68.3	16.7	30.8	23.8	22.3
7-8 AM	2117	0.0	142	0.0	1499	1499	618	760	10.92	257	68.1	10.7	30.8	23.7	19.0
8-9 AM	1912	0.0	129	0.0	1499	1469	442	571	10.00	233	68.4	11.5	30.8	23.8	20.4
9-10 AM	1869	0.0	126	0.0	1500	1502	367	493	9.66	224	68.4	11.8	30.8	23.8	21.1
10-11 AM	2110	0.0	142	0.0	1500	1539	571	713	10.67	251	68.1	10.9	30.8	23.7	19.4
11A-NOON	2439	0.0	164	0.0	1500	1557	881	1045	12.59	302	67.7	9.4	30.8	23.6	16.8
NOON-1PM	2655	0.0	178	0.0	1499	1546	1109	1287+	14.44	350	67.4	8.6	30.8	23.5	15.2
1-2 PM	2821	0.0	190	0.0	1499	1559	1261	1451+	16.02	392	67.3	8.1	30.8	23.4	14.0
2-3 PM	3442	0.0	232	0.0	1499	1509	1934	2165+	19.15	474	66.4	7.3	30.8	23.0	12.4
3-4 PM	4258	0.0	286	0.0	1500	1500	2758	3044+	19.01	475	61.8	7.3	30.8	22.7	12.4
4-5 PM	4826	0.0	324	0.0	1500	1500	3326	3650+	18.84	475	57.9	7.3	30.8	22.4	12.4
5-6 PM	3995	0.0	269	0.0	1500	1500	2495	2764+	19.09	475	63.6	7.3	30.8	22.8	12.4
6-7 PM	2845	0.0	192	0.0	1500	1416	1429	1621+	17.52	433	67.2	7.8	30.8	23.3	13.2
7-8 PM	1826	0.0	123	0.0	1500	1345	482	604	10.16	242	68.4	11.3	31.1	23.9	20.2
8-9 PM	1466	0.0	99	0.0	1500	1447	19	118	7.88	178	68.9	14.0	30.8	24.1	23.9
9-10 PM	1459	0.0	98	0.0	1500	1459	0	98	6.38	138	68.9	16.5	30.8	24.1	24.1
10-11 PM	1059	0.0	71	0.0	1500	1059	0	71	0.99	15	69.4	46.3	40.2	24.3	24.3
11PM-MID	763	0.0	51	0.0	1500	763	0	51	0.56	0	69.8	54.3	42.5	24.5	24.5

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0170
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.1013

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$149,831
CONGESTED HOURS PER DAY*	6

*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**

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FRIDAY NORTHBOUND DIRECTION

