

<b>USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>AUGUST</b>
	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	390	0.0	26	0.0	1500	390	0	26	0.52	0	70.2	55.5	43.9	24.7	24.7
1-2 AM	234	0.0	15	0.0	1500	234	0	15	0.50	0	70.2	55.9	44.5	24.7	24.7
2-3 AM	211	0.0	14	0.0	1500	211	0	14	0.50	0	70.2	56.0	44.6	24.7	24.7
3-4 AM	282	0.0	19	0.0	1500	282	0	19	0.51	0	70.2	55.8	44.3	24.7	24.7
4-5 AM	596	0.0	40	0.0	1500	596	0	40	0.54	0	70.0	54.8	43.2	24.5	24.5
5-6 AM	1743	0.0	117	0.0	1499	1743	0	117	2.41	75	68.6	31.2	32.0	24.0	24.0
6-7 AM	3455	0.0	233	0.0	1499	1688	1766	1999+	17.90	444	66.4	7.6	30.8	23.0	13.0
7-8 AM	3991	0.0	269	0.0	1500	1500	2491	2760+	19.09	475	63.6	7.3	30.8	22.8	12.4
8-9 AM	2719	0.0	182	0.0	1499	1349	1370	1552+	17.18	425	67.4	7.8	30.8	23.4	13.4
9-10 AM	2294	0.0	154	0.0	1500	1439	855	1009	12.36	296	67.9	9.6	30.8	23.7	17.1
10-11 AM	2271	0.0	152	0.0	1500	1508	763	916	11.77	280	67.9	10.0	30.8	23.7	17.8
11A-NOON	2398	0.0	161	0.0	1500	1526	872	1032	12.50	299	67.8	9.5	30.8	23.6	16.9
NOON-1PM	2506	0.0	169	0.0	1500	1520	986	1155	13.36	322	67.6	9.0	30.8	23.5	16.0
1-2 PM	2516	0.0	169	0.0	1499	1506	1010	1179	13.55	326	67.6	8.9	30.8	23.5	15.9
2-3 PM	2766	0.0	186	0.0	1500	1569	1197	1383+	15.33	374	67.3	8.3	30.8	23.4	14.5
3-4 PM	2978	0.0	200	0.0	1500	1559	1419	1619+	18.01	444	67.0	7.6	30.8	23.3	12.9
4-5 PM	2797	0.0	188	0.0	1499	1431	1366	1555+	17.21	423	67.3	7.8	30.8	23.4	13.4
5-6 PM	2611	0.0	175	0.0	1500	1441	1170	1345+	14.97	364	67.5	8.4	30.8	23.5	14.8
6-7 PM	2146	0.0	144	0.0	1499	1409	738	882	11.58	276	68.1	10.1	30.8	23.7	18.1
7-8 PM	1576	0.0	106	0.0	1500	1432	144	250	8.63	198	68.7	13.0	30.8	24.0	22.9
8-9 PM	1294	0.0	86	0.0	1499	1294	0	86	3.35	85	69.1	25.8	33.0	24.2	24.2
9-10 PM	1198	0.0	80	0.0	1500	1198	0	80	0.70	0	69.2	51.2	38.5	24.2	24.2
10-11 PM	981	0.0	66	0.0	1500	981	0	66	0.58	0	69.5	53.7	41.7	24.3	24.3
11PM-MID	810	0.0	55	0.0	1500	810	0	55	0.57	0	69.7	54.2	42.4	24.4	24.4

+ 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	0.0164
MAIN ROUTE WITH WORKS	0.0086
DIVERSION	0.0923

PIA: Personal Injury Accidents

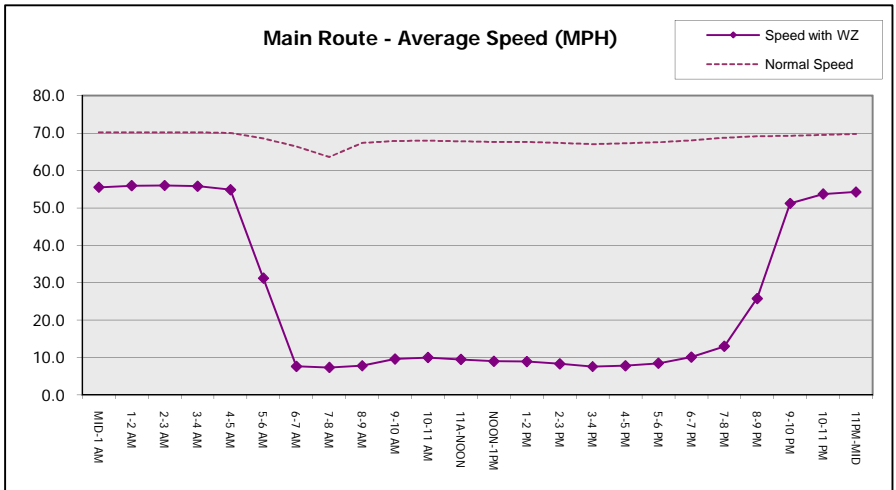
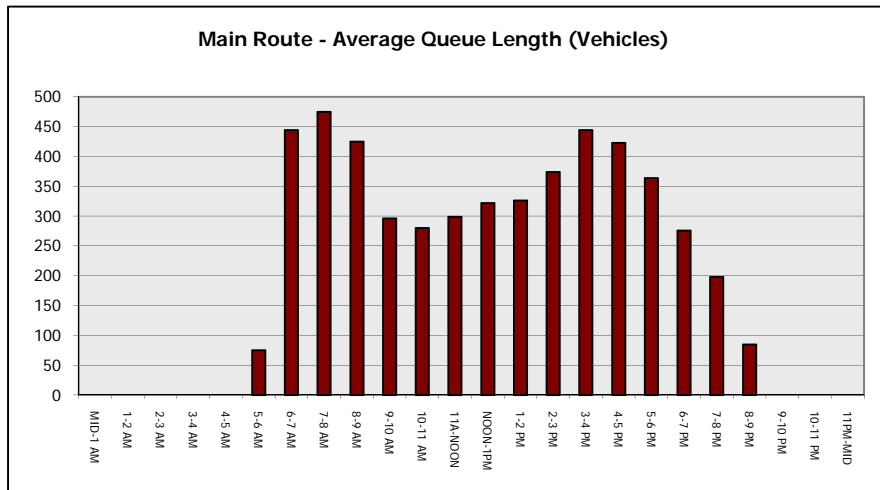
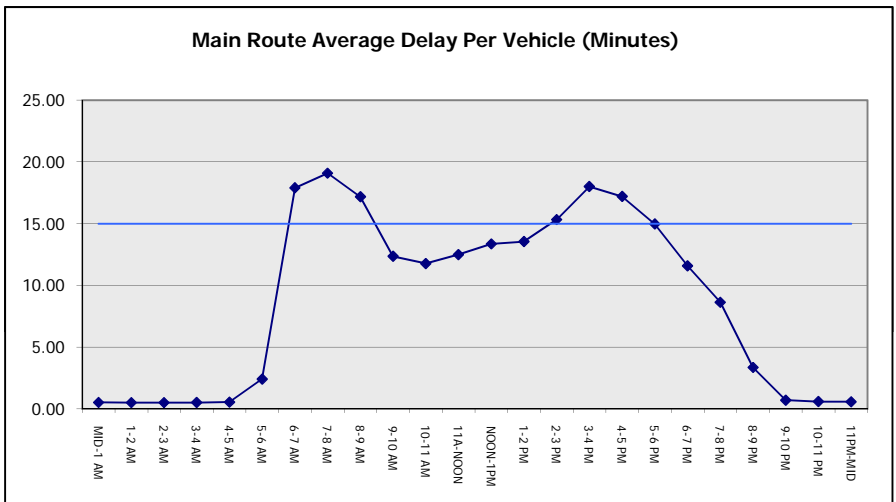
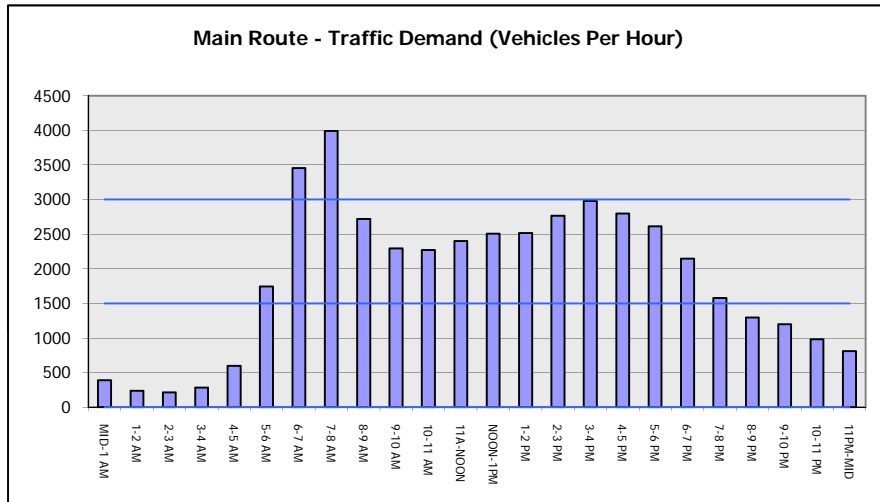
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$139,320
CONGESTED HOURS PER DAY*	6

\*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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)</b> <b>CONTINUOUS (24 HOUR) 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>AUGUST</b>
	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	398	0.0	27	0.0	1500	398	0	27	0.52	0	70.2	55.5	43.9	24.7	24.7
1-2 AM	267	0.0	17	0.0	1500	267	0	17	0.50	0	70.2	55.8	44.4	24.7	24.7
2-3 AM	251	0.0	16	0.0	1500	251	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
3-4 AM	225	0.0	15	0.0	1500	225	0	15	0.50	0	70.2	56.0	44.6	24.7	24.7
4-5 AM	458	0.0	31	0.0	1500	458	0	31	0.53	0	70.2	55.3	43.7	24.6	24.6
5-6 AM	1144	0.0	77	0.0	1499	1144	0	77	0.72	0	69.3	50.8	38.2	24.2	24.2
6-7 AM	2004	0.0	135	0.0	1499	1761	243	378	6.72	168	68.2	15.8	30.8	23.8	21.9
7-8 AM	2091	0.0	141	0.0	1499	1491	600	741	10.81	254	68.1	10.7	30.8	23.8	19.2
8-9 AM	1946	0.0	131	0.0	1499	1480	466	596	10.12	236	68.3	11.4	30.8	23.8	20.2
9-10 AM	1996	0.0	134	0.0	1500	1513	483	617	10.21	239	68.2	11.3	30.8	23.8	20.1
10-11 AM	2227	0.0	149	0.0	1500	1541	686	835	11.31	268	67.9	10.3	30.8	23.7	18.4
11A-NOON	2584	0.0	174	0.0	1500	1572	1011	1185	13.61	329	67.5	8.9	30.8	23.5	15.8
NOON-1PM	2824	0.0	189	0.0	1500	1560	1264	1453+	16.05	393	67.3	8.1	30.8	23.4	14.0
1-2 PM	2937	0.0	198	0.0	1499	1554	1383	1581+	17.52	431	67.1	7.7	30.8	23.3	13.2
2-3 PM	3664	0.0	246	0.0	1499	1500	2164	2410+	19.17	475	65.8	7.3	30.8	23.0	12.4
3-4 PM	4173	0.0	280	0.0	1500	1500	2673	2953+	19.04	475	62.3	7.3	30.8	22.7	12.4
4-5 PM	4545	0.0	306	0.0	1500	1500	3045	3351+	18.93	475	59.8	7.3	30.8	22.5	12.4
5-6 PM	4218	0.0	283	0.0	1500	1500	2718	3001+	19.02	475	62.0	7.3	30.8	22.7	12.4
6-7 PM	2900	0.0	195	0.0	1500	1397	1503	1698+	17.90	443	67.1	7.6	30.8	23.3	13.0
7-8 PM	2033	0.0	137	0.0	1500	1356	677	814	11.21	268	68.2	10.4	30.8	23.8	18.6
8-9 PM	1691	0.0	113	0.0	1500	1473	218	332	9.02	207	68.6	12.5	30.8	24.0	22.3
9-10 PM	1555	0.0	105	0.0	1500	1490	65	170	8.45	192	68.8	13.2	30.8	24.0	23.5
10-11 PM	1457	0.0	98	0.0	1500	1442	14	112	7.72	174	68.9	14.2	30.8	24.1	24.0
11PM-MID	972	0.0	65	0.0	1500	972	0	65	1.07	21	69.6	45.1	40.7	24.3	24.3

+ 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	0.0178
MAIN ROUTE WITH WORKS	0.0088
DIVERSION	0.1083

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$162,739
CONGESTED HOURS PER DAY*	7

\*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**

