

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)  
OFF-PEAK DAY 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	OFF	287	0	20	0.00	0	70.2	70.2	70.2	24.7	24.7
1-2 AM	187	0.0	12	0.0	OFF	187	0	12	0.00	0	70.2	70.2	70.2	24.7	24.7
2-3 AM	204	0.0	13	0.0	OFF	204	0	13	0.00	0	70.2	70.2	70.2	24.7	24.7
3-4 AM	279	0.0	19	0.0	OFF	279	0	19	0.00	0	70.2	70.2	70.2	24.7	24.7
4-5 AM	545	0.0	37	0.0	OFF	545	0	37	0.00	0	70.0	70.0	70.0	24.5	24.5
5-6 AM	1821	0.0	123	0.0	OFF	1821	0	123	0.00	0	68.5	68.5	68.5	23.9	23.9
6-7 AM	3736	0.0	251	0.0	OFF	3736	0	251	0.00	0	65.3	65.3	65.3	22.9	22.9
7-8 AM	4068	0.0	274	0.0	OFF	4068	0	274	0.00	0	63.0	63.0	63.0	22.7	22.7
8-9 AM	2698	0.0	181	0.0	OFF	2698	0	181	0.00	0	67.4	67.4	67.4	23.5	23.5
9-10 AM	2140	0.0	144	0.0	1499	1750	390	534	9.52	230	68.1	11.9	30.9	23.7	20.7
10-11 AM	2112	0.0	142	0.0	1500	1507	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	OFF	2782	0	187	0.26	24	67.3	59.6	59.6	23.4	23.4
5-6 PM	2568	0.0	173	0.0	OFF	2568	0	173	0.00	0	67.6	67.6	67.6	23.5	23.5
6-7 PM	2201	0.0	148	0.0	OFF	2201	0	148	0.00	0	68.0	68.0	68.0	23.7	23.7
7-8 PM	1557	0.0	105	0.0	OFF	1557	0	105	0.00	0	68.8	68.8	68.8	24.0	24.0
8-9 PM	1198	0.0	80	0.0	OFF	1198	0	80	0.00	0	69.2	69.2	69.2	24.2	24.2
9-10 PM	1164	0.0	78	0.0	OFF	1164	0	78	0.00	0	69.3	69.3	69.3	24.2	24.2
10-11 PM	946	0.0	64	0.0	OFF	946	0	64	0.00	0	69.6	69.6	69.6	24.3	24.3
11PM-MID	755	0.0	50	0.0	OFF	755	0	50	0.00	0	69.8	69.8	69.8	24.5	24.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0159
MAIN ROUTE WITH WORKS	0.0131
DIVERSION	0.0415

PIA: Personal Injury Accidents

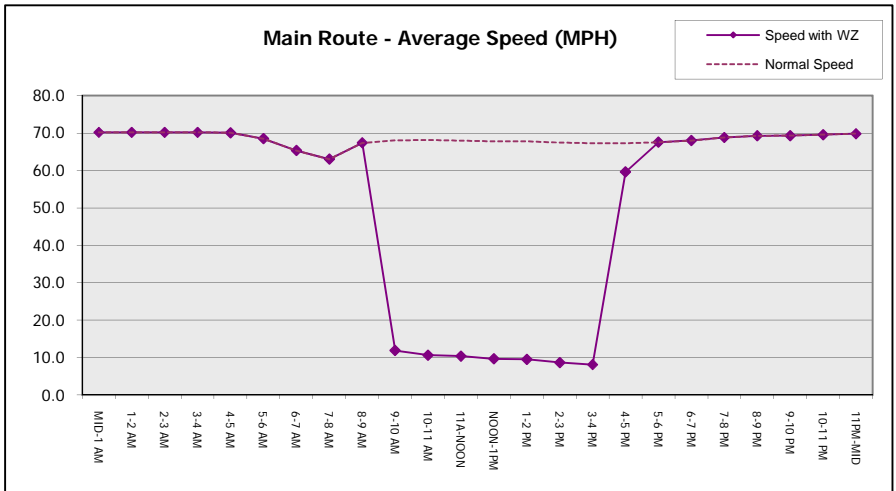
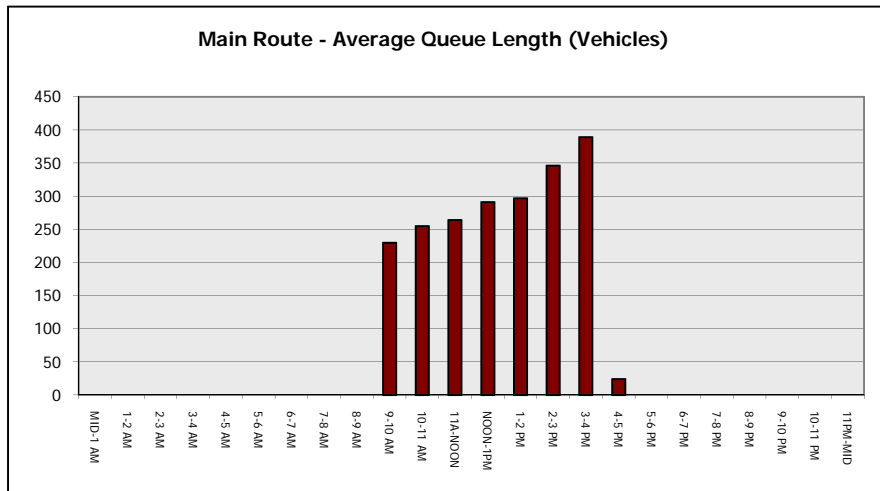
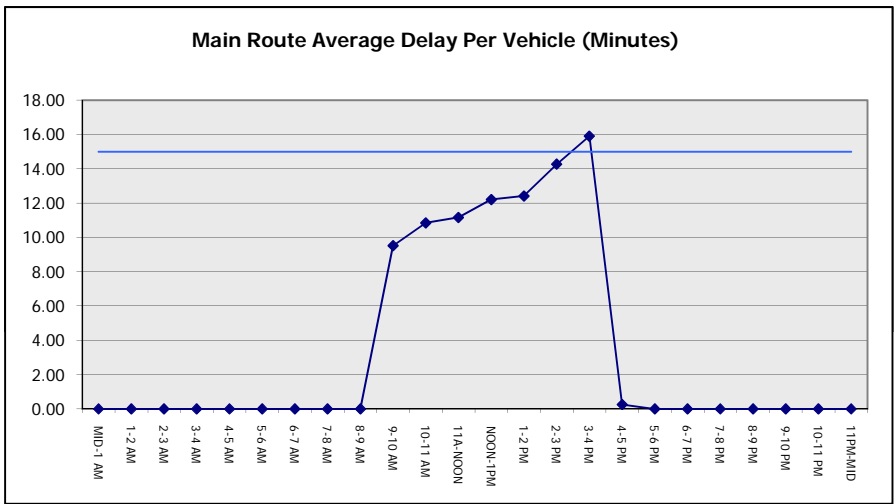
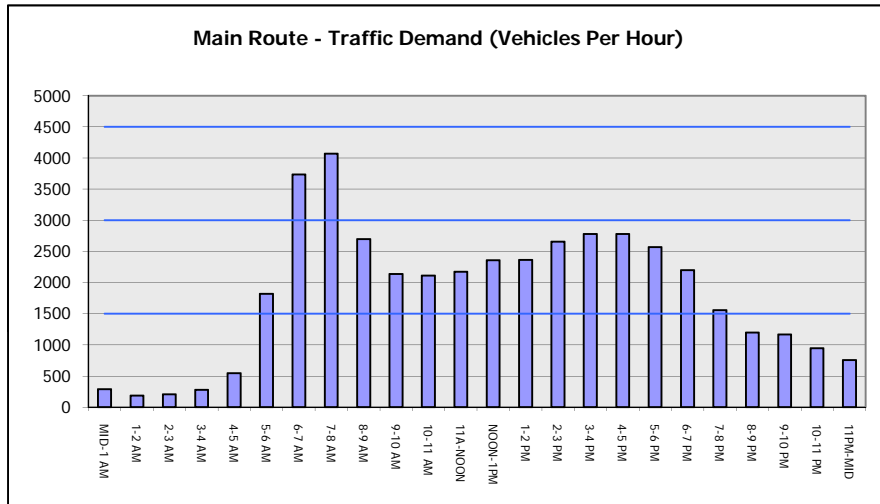
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$50,851
CONGESTED HOURS PER DAY*	1

\*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)**  
**OFF-PEAK DAY 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**



<b>USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)</b> <b>OFF-PEAK DAY 2 LANE CLOSURE</b> <b>DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>OCTOBER</b> Analyzed for 2009 Construction Season
--	--

<b>SUMMARY OF TRAFFIC MODEL OUTPUT</b>	
FRIDAY	NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH				
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	DIVN FLOW	AV.DEL PER VEH (MINS)	AVERAGE QUEUE (VEH)	MAIN ROUTE		SITE	ALTERNATE ROUTE	
	DEMAND FLOW	PCT HEAVY	NORMAL FLOW	PCT HEAVY							WITHOUT WORK ZN	WITH WORK ZN		WITHOUT WORK ZN	WITH WORK ZN
MID-1 AM	345	0.0	24	0.0	OFF	345	0	24	0.00	0	70.2	70.2	70.2	24.7	24.7
1-2 AM	241	0.0	16	0.0	OFF	241	0	16	0.00	0	70.2	70.2	70.2	24.7	24.7
2-3 AM	230	0.0	15	0.0	OFF	230	0	15	0.00	0	70.2	70.2	70.2	24.7	24.7
3-4 AM	246	0.0	16	0.0	OFF	246	0	16	0.00	0	70.2	70.2	70.2	24.7	24.7
4-5 AM	482	0.0	32	0.0	OFF	482	0	32	0.00	0	70.1	70.1	70.1	24.6	24.6
5-6 AM	1151	0.0	77	0.0	OFF	1151	0	77	0.00	0	69.3	69.3	69.3	24.2	24.2
6-7 AM	1958	0.0	132	0.0	OFF	1958	0	132	0.00	0	68.3	68.3	68.3	23.8	23.8
7-8 AM	2117	0.0	142	0.0	OFF	2117	0	142	0.00	0	68.1	68.1	68.1	23.7	23.7
8-9 AM	1912	0.0	129	0.0	OFF	1912	0	129	0.00	0	68.4	68.4	68.4	23.8	23.8
9-10 AM	1869	0.0	126	0.0	1499	1732	138	263	6.15	150	68.4	16.9	30.8	23.8	22.8
10-11 AM	2110	0.0	142	0.0	1499	1536	575	717	10.69	252	68.1	10.9	30.8	23.7	19.3
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	1500	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	OFF	4826	0	324	0.95	82	57.9	41.4	41.4	22.4	22.4
5-6 PM	3995	0.0	269	0.0	OFF	3995	0	269	0.00	0	63.6	63.6	63.6	22.8	22.8
6-7 PM	2845	0.0	192	0.0	OFF	2845	0	192	0.00	0	67.2	67.2	67.2	23.3	23.3
7-8 PM	1826	0.0	123	0.0	OFF	1826	0	123	0.00	0	68.4	68.4	68.4	23.9	23.9
8-9 PM	1466	0.0	99	0.0	OFF	1466	0	99	0.00	0	68.9	68.9	68.9	24.1	24.1
9-10 PM	1459	0.0	98	0.0	OFF	1459	0	98	0.00	0	68.9	68.9	68.9	24.1	24.1
10-11 PM	1059	0.0	71	0.0	OFF	1059	0	71	0.00	0	69.4	69.4	69.4	24.3	24.3
11PM-MID	763	0.0	51	0.0	OFF	763	0	51	0.00	0	69.8	69.8	69.8	24.5	24.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0131
DIVERSION	0.0568

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$73,052
CONGESTED HOURS PER DAY*	3

\*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)  
 OFF-PEAK DAY 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 NORTHBOUND DIRECTION**

