

<b>USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>OCTOBER</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	287	0.0	20	0.0	3000	287	0	20	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	187	0.0	12	0.0	3000	187	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	204	0.0	13	0.0	3000	204	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	279	0.0	19	0.0	3000	279	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	545	0.0	37	0.0	3000	545	0	37	0.36	0	70.0	59.3	49.7	24.5	24.5
5-6 AM	1821	0.0	123	0.0	2999	1821	0	123	0.34	0	68.5	58.6	49.7	23.9	23.9
6-7 AM	3736	0.0	251	0.0	2999	3666	69	321	4.67	282	65.3	21.2	37.3	22.9	22.8
7-8 AM	4068	0.0	274	0.0	2999	3096	972	1246+	14.37	762	63.0	11.1	37.3	22.7	17.3
8-9 AM	2698	0.0	181	0.0	2999	2423	275	456	8.38	450	67.4	14.7	38.8	23.5	22.2
9-10 AM	2140	0.0	144	0.0	3000	2140	0	144	0.58	21	68.1	53.0	49.7	23.7	23.7
10-11 AM	2112	0.0	142	0.0	3000	2112	0	142	0.33	0	68.1	58.5	49.7	23.7	23.7
11A-NOON	2175	0.0	146	0.0	3000	2175	0	146	0.33	0	68.0	58.4	49.7	23.7	23.7
NOON-1PM	2359	0.0	159	0.0	3000	2359	0	159	0.33	0	67.8	58.4	49.7	23.6	23.6
1-2 PM	2366	0.0	159	0.0	3000	2366	0	159	0.33	0	67.8	58.4	49.7	23.6	23.6
2-3 PM	2656	0.0	178	0.0	3000	2656	0	178	0.50	0	67.4	54.1	43.3	23.5	23.5
3-4 PM	2781	0.0	187	0.0	3000	2781	0	187	0.59	0	67.3	52.4	40.9	23.4	23.4
4-5 PM	2782	0.0	187	0.0	3000	2782	0	187	0.59	0	67.3	52.3	40.9	23.4	23.4
5-6 PM	2568	0.0	173	0.0	3000	2568	0	173	0.45	0	67.6	55.4	45.2	23.5	23.5
6-7 PM	2201	0.0	148	0.0	3000	2201	0	148	0.33	0	68.0	58.4	49.7	23.7	23.7
7-8 PM	1557	0.0	105	0.0	3000	1557	0	105	0.34	0	68.8	58.7	49.7	24.0	24.0
8-9 PM	1198	0.0	80	0.0	3000	1198	0	80	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	1164	0.0	78	0.0	3000	1164	0	78	0.35	0	69.3	59.0	49.7	24.2	24.2
10-11 PM	946	0.0	64	0.0	3000	946	0	64	0.35	0	69.6	59.1	49.7	24.3	24.3
11PM-MID	755	0.0	50	0.0	3000	755	0	50	0.35	0	69.8	59.2	49.7	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	0.0127
DIVERSION	0.0205

PIA: Personal Injury Accidents

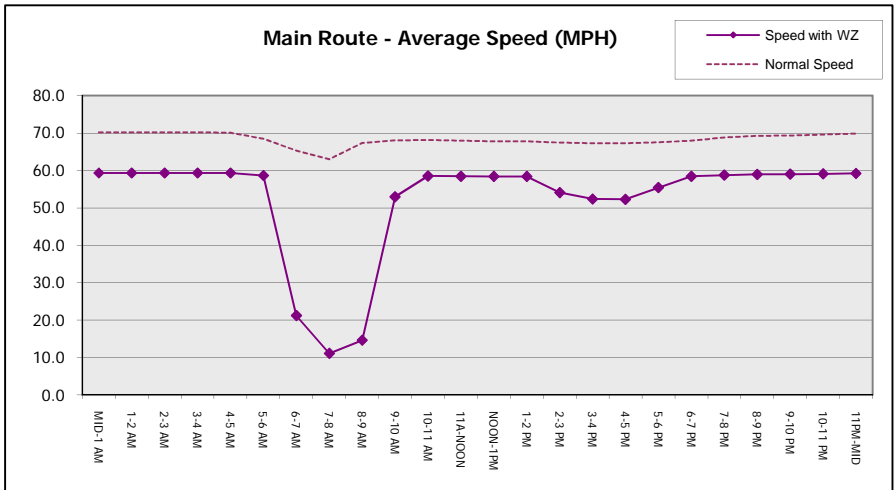
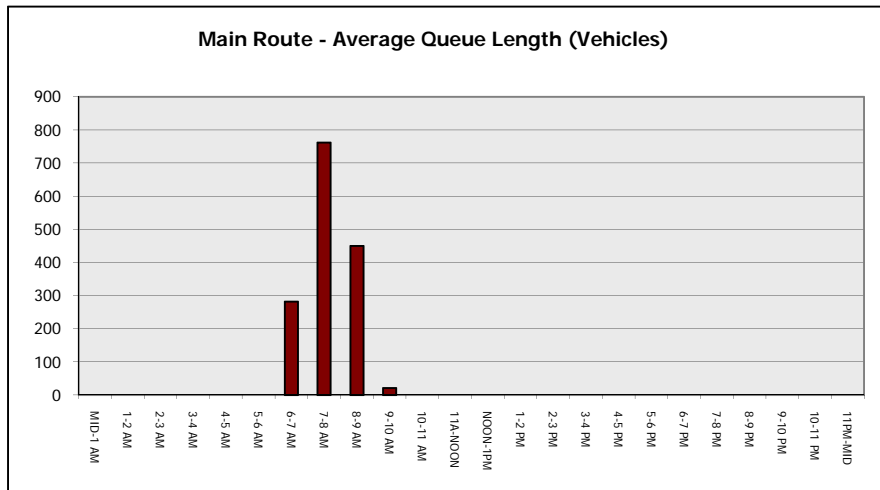
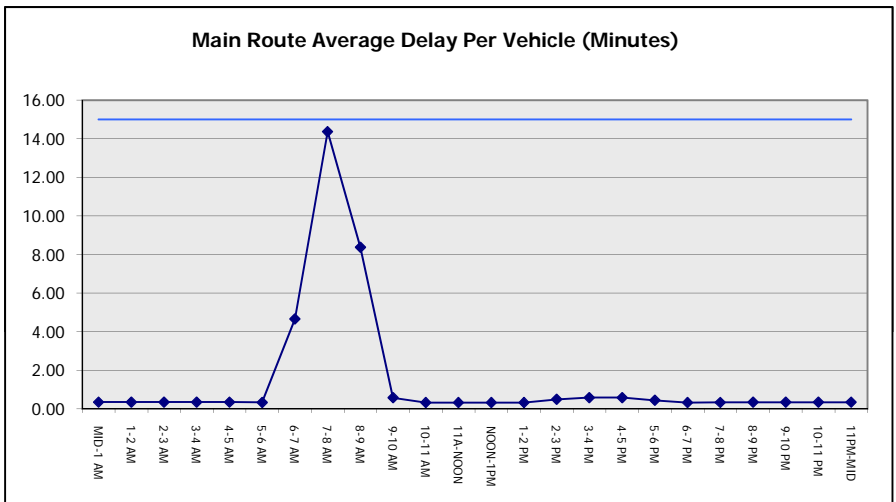
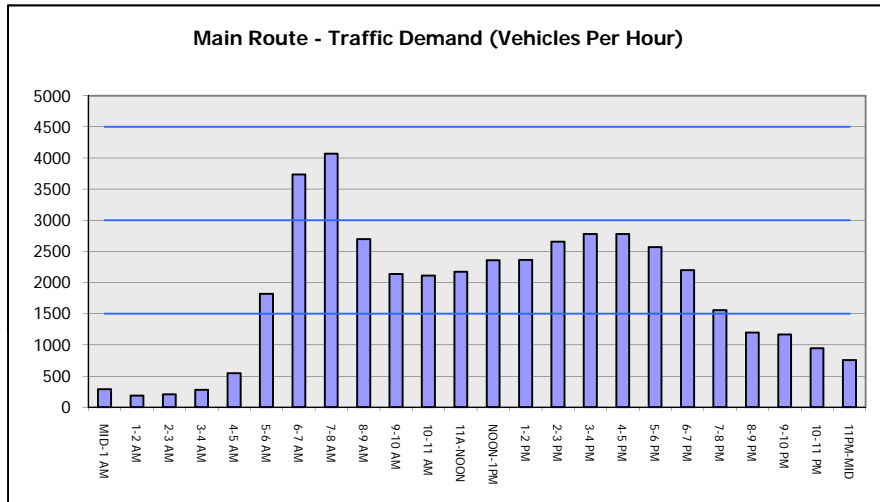
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$26,175
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)  
 CONTINUOUS (24 HOUR) 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>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>OCTOBER</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						
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	TOTAL 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	3000	345	0	24	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	241	0.0	16	0.0	3000	241	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	230	0.0	15	0.0	3000	230	0	15	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	246	0.0	16	0.0	3000	246	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	482	0.0	32	0.0	3000	482	0	32	0.36	0	70.1	59.3	49.7	24.6	24.6
5-6 AM	1151	0.0	77	0.0	3000	1151	0	77	0.35	0	69.3	59.0	49.7	24.2	24.2
6-7 AM	1958	0.0	132	0.0	3000	1958	0	132	0.34	0	68.3	58.6	49.7	23.8	23.8
7-8 AM	2117	0.0	142	0.0	3000	2117	0	142	0.33	0	68.1	58.5	49.7	23.7	23.7
8-9 AM	1912	0.0	129	0.0	3000	1912	0	129	0.34	0	68.4	58.6	49.7	23.8	23.8
9-10 AM	1869	0.0	126	0.0	3000	1869	0	126	0.34	0	68.4	58.6	49.7	23.8	23.8
10-11 AM	2110	0.0	142	0.0	3000	2110	0	142	0.33	0	68.1	58.5	49.7	23.7	23.7
11A-NOON	2439	0.0	164	0.0	3000	2439	0	164	0.36	0	67.7	57.5	48.3	23.6	23.6
NOON-1PM	2655	0.0	178	0.0	3000	2655	0	178	0.50	0	67.4	54.1	43.3	23.5	23.5
1-2 PM	2821	0.0	190	0.0	2999	2821	0	190	0.61	0	67.3	51.8	40.2	23.4	23.4
2-3 PM	3442	0.0	232	0.0	2999	3442	0	232	3.21	176	66.4	26.1	37.3	23.0	23.0
3-4 PM	4258	0.0	286	0.0	2999	3458	799	1086	13.16	707	61.8	11.6	37.3	22.7	18.4
4-5 PM	4826	0.0	324	0.0	2999	3214	1612	1936+	19.59	1070	57.9	9.8	37.3	22.4	14.5
5-6 PM	3995	0.0	269	0.0	2999	2677	1318	1587+	18.38	986	63.6	10.1	37.3	22.8	15.2
6-7 PM	2845	0.0	192	0.0	3000	2480	366	557	9.52	503	67.2	13.5	37.4	23.3	21.6
7-8 PM	1826	0.0	123	0.0	3000	1826	0	123	0.69	36	68.4	50.9	49.7	23.9	23.9
8-9 PM	1466	0.0	99	0.0	3000	1466	0	99	0.34	0	68.9	58.8	49.7	24.1	24.1
9-10 PM	1459	0.0	98	0.0	3000	1459	0	98	0.34	0	68.9	58.8	49.7	24.1	24.1
10-11 PM	1059	0.0	71	0.0	3000	1059	0	71	0.35	0	69.4	59.0	49.7	24.3	24.3
11PM-MID	763	0.0	51	0.0	3000	763	0	51	0.35	0	69.8	59.2	49.7	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	0.0127
DIVERSION	0.0348

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$63,673
CONGESTED HOURS PER DAY*	2

\*Delays Exceeding 15 Minutes

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

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

