

<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**

MON-THUR                      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	247	0.0	16	0.0	3000	247	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	173	0.0	11	0.0	3000	173	0	11	0.36	0	70.2	59.3	49.7	24.8	24.8
2-3 AM	183	0.0	12	0.0	3000	183	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	274	0.0	19	0.0	3000	274	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	572	0.0	38	0.0	3000	572	0	38	0.36	0	70.0	59.2	49.7	24.5	24.5
5-6 AM	1987	0.0	134	0.0	2999	1987	0	134	0.35	0	68.2	58.2	49.2	23.8	23.8
6-7 AM	4077	0.0	274	0.0	2999	3788	289	563	6.77	408	63.0	17.0	37.3	22.7	21.4
7-8 AM	4358	0.0	294	0.0	2999	3148	1210	1504+	17.01	915	61.1	10.4	37.3	22.6	15.6
8-9 AM	2931	0.0	197	0.0	2999	2398	533	730	10.87	581	67.1	12.8	37.6	23.3	20.6
9-10 AM	2103	0.0	141	0.0	3000	2103	0	141	1.07	72	68.1	44.6	48.4	23.8	23.8
10-11 AM	1920	0.0	129	0.0	3000	1920	0	129	0.34	0	68.4	58.6	49.7	23.8	23.8
11A-NOON	1979	0.0	133	0.0	3000	1979	0	133	0.33	0	68.2	58.6	49.7	23.8	23.8
NOON-1PM	2072	0.0	139	0.0	3000	2072	0	139	0.33	0	68.2	58.5	49.7	23.8	23.8
1-2 PM	2105	0.0	141	0.0	3000	2105	0	141	0.33	0	68.1	58.5	49.7	23.8	23.8
2-3 PM	2435	0.0	164	0.0	3000	2435	0	164	0.36	0	67.7	57.6	48.4	23.6	23.6
3-4 PM	2667	0.0	179	0.0	3000	2667	0	179	0.51	0	67.4	54.0	43.1	23.5	23.5
4-5 PM	2621	0.0	176	0.0	3000	2621	0	176	0.48	0	67.5	54.6	44.1	23.5	23.5
5-6 PM	2260	0.0	151	0.0	3000	2260	0	151	0.33	0	67.9	58.4	49.7	23.7	23.7
6-7 PM	1748	0.0	117	0.0	3000	1748	0	117	0.34	0	68.6	58.7	49.7	23.9	23.9
7-8 PM	1246	0.0	83	0.0	3000	1246	0	83	0.35	0	69.2	58.9	49.7	24.2	24.2
8-9 PM	1018	0.0	68	0.0	3000	1018	0	68	0.35	0	69.5	59.1	49.7	24.3	24.3
9-10 PM	892	0.0	60	0.0	3000	892	0	60	0.35	0	69.6	59.1	49.7	24.4	24.4
10-11 PM	694	0.0	46	0.0	3000	694	0	46	0.36	0	69.9	59.2	49.7	24.5	24.5
11PM-MID	514	0.0	35	0.0	3000	514	0	35	0.36	0	70.1	59.3	49.7	24.6	24.6

+ 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	0.0150
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0231

PIA: Personal Injury Accidents

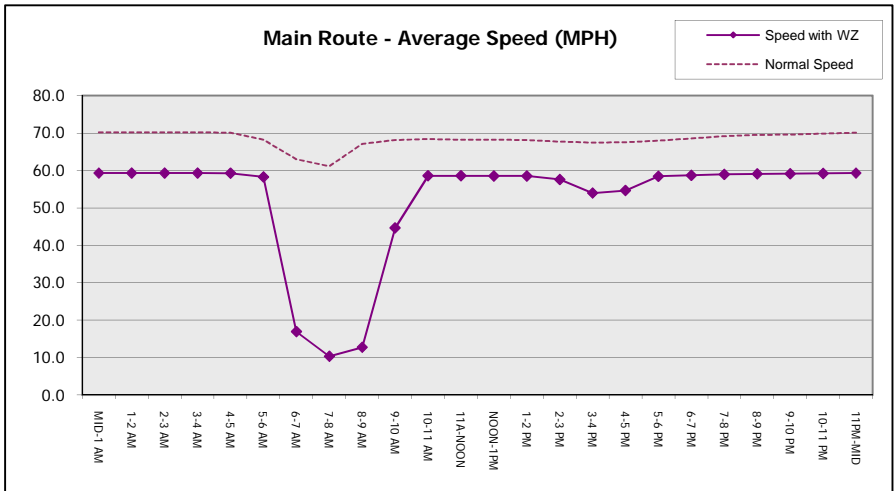
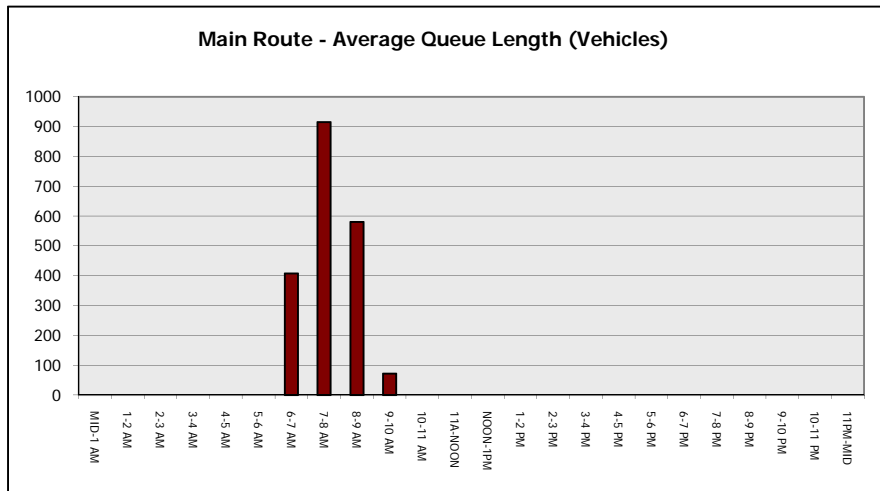
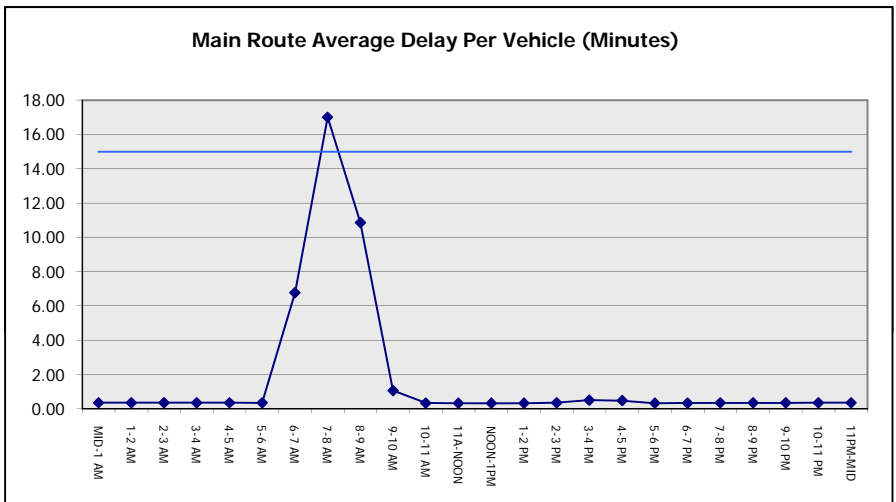
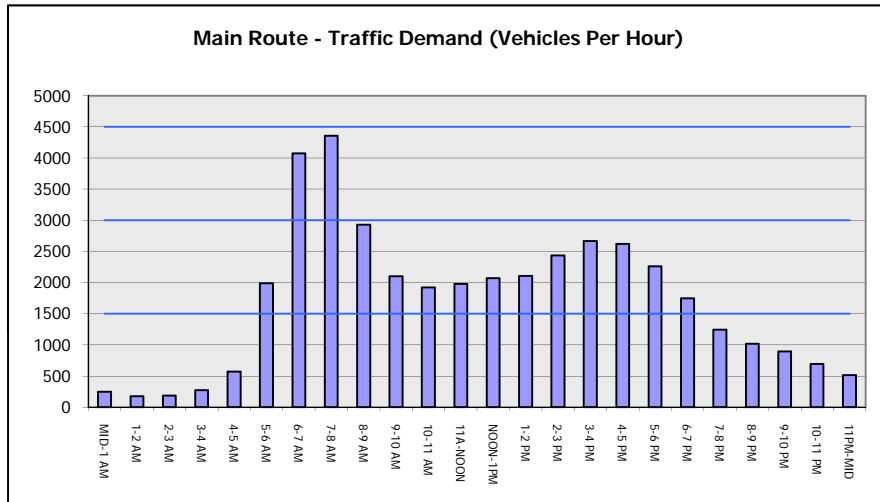
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$33,089
CONGESTED HOURS PER DAY*	1

\*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**  
**MON-THUR 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**

MON-THUR      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	262	0.0	18	0.0	3000	262	0	18	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	184	0.0	12	0.0	3000	184	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	180	0.0	12	0.0	3000	180	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	203	0.0	13	0.0	3000	203	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	462	0.0	31	0.0	3000	462	0	31	0.36	0	70.2	59.3	49.7	24.6	24.6
5-6 AM	1194	0.0	80	0.0	3000	1194	0	80	0.35	0	69.2	58.9	49.7	24.2	24.2
6-7 AM	2067	0.0	139	0.0	3000	2067	0	139	0.33	0	68.2	58.5	49.7	23.8	23.8
7-8 AM	2099	0.0	141	0.0	3000	2099	0	141	0.33	0	68.1	58.5	49.7	23.8	23.8
8-9 AM	1882	0.0	127	0.0	3000	1882	0	127	0.34	0	68.4	58.6	49.7	23.8	23.8
9-10 AM	1636	0.0	110	0.0	3000	1636	0	110	0.34	0	68.7	58.7	49.7	24.0	24.0
10-11 AM	1728	0.0	116	0.0	3000	1728	0	116	0.34	0	68.6	58.7	49.7	24.0	24.0
11A-NOON	1905	0.0	128	0.0	3000	1905	0	128	0.34	0	68.4	58.6	49.7	23.8	23.8
NOON-1PM	1999	0.0	134	0.0	3000	1999	0	134	0.33	0	68.2	58.6	49.7	23.8	23.8
1-2 PM	2129	0.0	143	0.0	2999	2129	0	143	0.33	0	68.1	58.5	49.7	23.7	23.7
2-3 PM	2917	0.0	196	0.0	2999	2917	0	196	0.86	14	67.1	47.3	39.7	23.3	23.3
3-4 PM	3741	0.0	251	0.0	3000	3587	154	405	6.30	354	65.3	17.5	37.3	22.9	22.3
4-5 PM	4370	0.0	294	0.0	2999	3303	1067	1361+	15.43	829	61.0	10.8	37.3	22.6	16.6
5-6 PM	3973	0.0	267	0.0	2999	2789	1184	1451+	16.57	883	63.7	10.6	37.3	22.8	16.0
6-7 PM	2330	0.0	157	0.0	2999	2158	172	328	4.43	337	67.8	22.7	44.6	23.7	22.9
7-8 PM	1498	0.0	101	0.0	3000	1498	0	101	0.34	0	68.9	58.8	49.7	24.1	24.1
8-9 PM	1232	0.0	82	0.0	3000	1232	0	82	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	1074	0.0	72	0.0	3000	1074	0	72	0.35	0	69.4	59.0	49.7	24.3	24.3
10-11 PM	829	0.0	56	0.0	3000	829	0	56	0.35	0	69.7	59.1	49.7	24.4	24.4
11PM-MID	506	0.0	34	0.0	3000	506	0	34	0.36	0	70.1	59.3	49.7	24.6	24.6

+ 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	0.0148
MAIN ROUTE WITH WORKS	0.0113
DIVERSION	0.0255

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$40,196
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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**MON-THUR NORTHBOUND DIRECTION**

