

<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>OCTOBER</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

**SATURDAY 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	411	0.0	28	0.0	1500	411	0	28	0.52	0	70.2	55.5	43.8	24.7	24.7
1-2 AM	224	0.0	15	0.0	1500	224	0	15	0.50	0	70.2	56.0	44.6	24.7	24.7
2-3 AM	176	0.0	12	0.0	1500	176	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	190	0.0	12	0.0	1500	190	0	12	0.50	0	70.2	56.0	44.7	24.7	24.7
4-5 AM	269	0.0	19	0.0	1500	269	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
5-6 AM	553	0.0	37	0.0	1500	553	0	37	0.54	0	70.0	55.0	43.3	24.5	24.5
6-7 AM	857	0.0	58	0.0	1500	857	0	58	0.57	0	69.7	54.0	42.2	24.4	24.4
7-8 AM	1188	0.0	80	0.0	1499	1188	0	80	0.70	0	69.2	51.3	38.8	24.2	24.2
8-9 AM	1534	0.0	103	0.0	1499	1534	0	103	1.53	14	68.8	39.0	31.3	24.0	24.0
9-10 AM	1871	0.0	126	0.0	1500	1675	196	322	7.62	181	68.4	14.3	30.8	23.8	22.4
10-11 AM	2106	0.0	141	0.0	1499	1529	577	718	10.70	252	68.1	10.8	30.8	23.8	19.3
11A-NOON	2288	0.0	153	0.0	1500	1525	763	917	11.78	280	67.9	10.0	30.8	23.7	17.8
NOON-1PM	2330	0.0	157	0.0	1499	1501	828	985	12.20	291	67.8	9.7	30.8	23.7	17.3
1-2 PM	2233	0.0	150	0.0	1499	1484	749	899	11.68	277	67.9	10.1	30.8	23.7	17.9
2-3 PM	2271	0.0	152	0.0	1500	1508	763	916	11.77	280	67.9	10.0	30.8	23.7	17.8
3-4 PM	2243	0.0	150	0.0	1499	1496	747	898	11.67	277	67.9	10.1	30.8	23.7	17.9
4-5 PM	2295	0.0	154	0.0	1500	1507	788	942	11.93	284	67.9	9.9	30.8	23.7	17.6
5-6 PM	2180	0.0	146	0.0	1499	1476	704	850	11.40	270	68.0	10.2	30.8	23.7	18.3
6-7 PM	1953	0.0	131	0.0	1500	1464	489	620	10.22	239	68.3	11.2	30.8	23.8	20.1
7-8 PM	1525	0.0	103	0.0	1500	1434	91	194	8.28	189	68.9	13.4	30.8	24.0	23.3
8-9 PM	1223	0.0	82	0.0	1499	1223	0	82	2.00	52	69.2	34.5	35.8	24.2	24.2
9-10 PM	1154	0.0	77	0.0	1500	1154	0	77	0.65	0	69.3	52.3	40.0	24.2	24.2
10-11 PM	873	0.0	59	0.0	1500	873	0	59	0.57	0	69.7	54.0	42.1	24.4	24.4
11PM-MID	678	0.0	45	0.0	1500	678	0	45	0.55	0	69.9	54.6	42.8	24.5	24.5

*----- 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	0.0119
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0428

PIA: Personal Injury Accidents

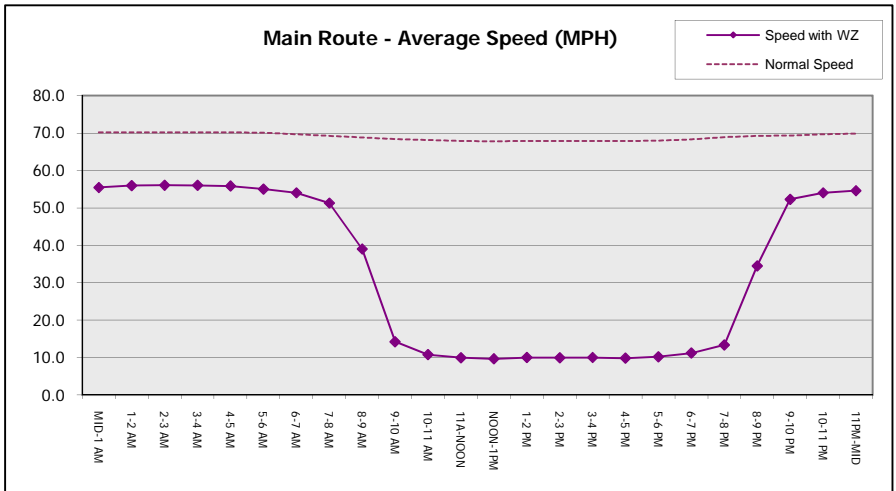
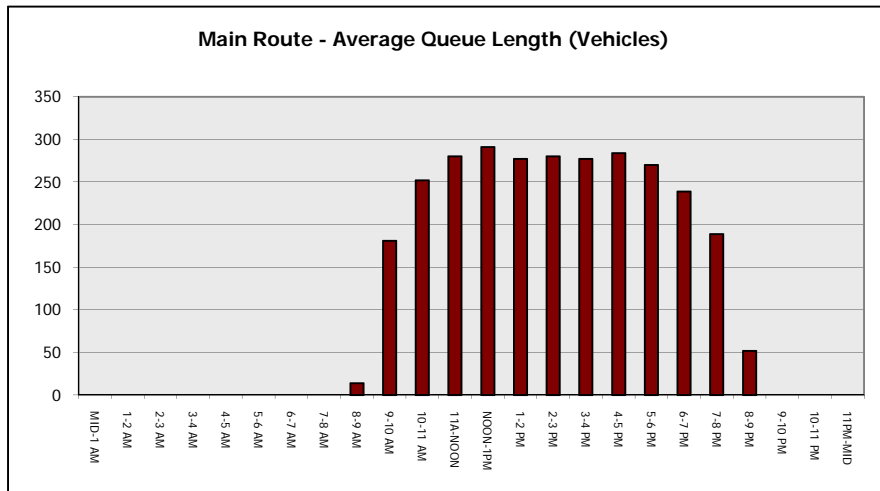
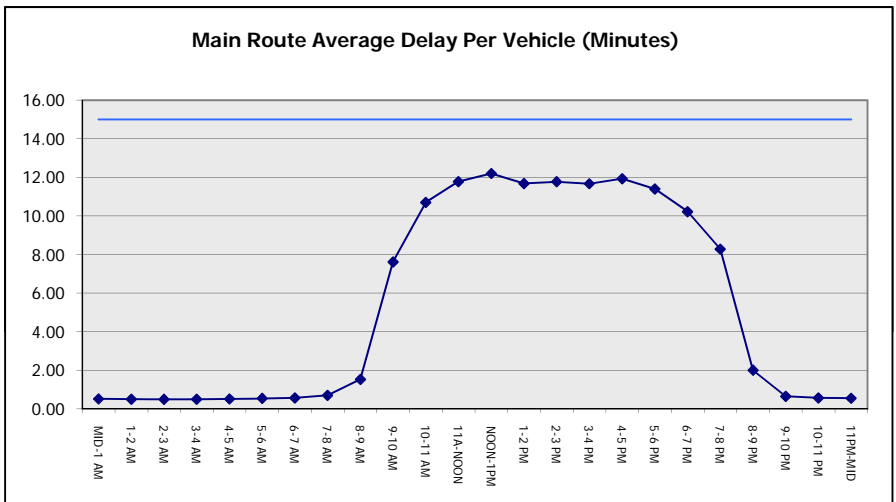
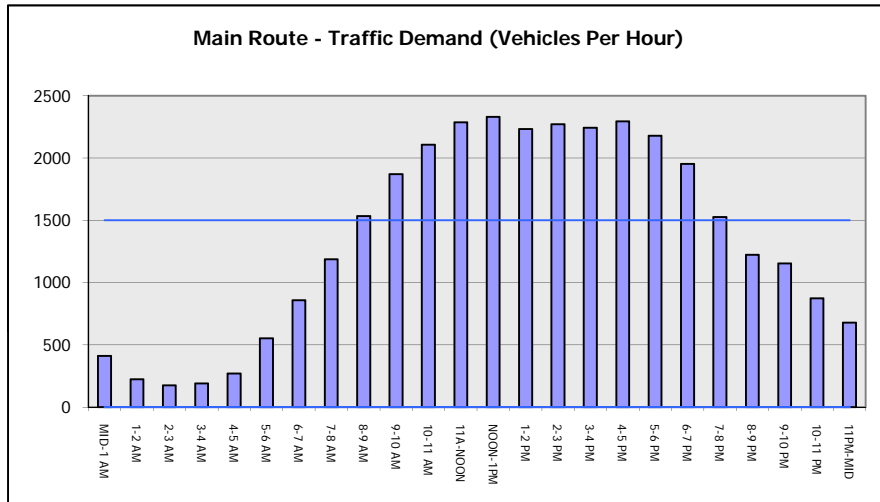
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$78,564
CONGESTED HOURS PER DAY*	0

\*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**  
**SATURDAY 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>OCTOBER</b>
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**SUMMARY OF TRAFFIC MODEL OUTPUT**

SATURDAY 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	467	0.0	31	0.0	1500	467	0	31	0.53	0	70.2	55.3	43.7	24.6	24.6
1-2 AM	296	0.0	20	0.0	1500	296	0	20	0.51	0	70.2	55.8	44.3	24.7	24.7
2-3 AM	239	0.0	16	0.0	1500	239	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
3-4 AM	199	0.0	13	0.0	1500	199	0	13	0.50	0	70.2	56.0	44.7	24.7	24.7
4-5 AM	312	0.0	21	0.0	1500	312	0	21	0.51	0	70.2	55.7	44.2	24.7	24.7
5-6 AM	551	0.0	37	0.0	1500	551	0	37	0.54	0	70.0	55.0	43.3	24.5	24.5
6-7 AM	841	0.0	57	0.0	1500	841	0	57	0.57	0	69.7	54.1	42.2	24.4	24.4
7-8 AM	1151	0.0	77	0.0	1499	1151	0	77	0.67	0	69.3	51.8	39.3	24.2	24.2
8-9 AM	1564	0.0	105	0.0	1499	1564	0	105	1.67	19	68.8	37.6	31.1	24.0	24.0
9-10 AM	1879	0.0	127	0.0	1500	1658	220	347	8.16	193	68.4	13.5	30.8	23.8	22.2
10-11 AM	2176	0.0	146	0.0	1500	1540	636	782	11.03	260	68.0	10.6	30.8	23.7	18.8
11A-NOON	2361	0.0	159	0.0	1500	1527	835	993	12.25	292	67.8	9.6	30.8	23.6	17.2
NOON-1PM	2426	0.0	163	0.0	1499	1508	918	1081	12.83	307	67.7	9.3	30.8	23.6	16.5
1-2 PM	2414	0.0	163	0.0	1499	1495	919	1081	12.83	307	67.8	9.3	30.8	23.6	16.5
2-3 PM	2373	0.0	160	0.0	1499	1494	879	1038	12.54	300	67.8	9.4	30.8	23.6	16.9
3-4 PM	2443	0.0	164	0.0	1500	1511	932	1096	12.93	310	67.7	9.2	30.8	23.6	16.5
4-5 PM	2285	0.0	153	0.0	1499	1465	820	974	12.13	289	67.9	9.7	30.8	23.7	17.4
5-6 PM	2047	0.0	138	0.0	1500	1463	584	722	10.72	252	68.2	10.8	30.8	23.8	19.3
6-7 PM	1780	0.0	119	0.0	1500	1467	313	433	9.41	218	68.5	12.0	30.8	23.9	21.5
7-8 PM	1434	0.0	97	0.0	1500	1413	21	117	7.56	171	68.9	14.4	30.8	24.1	23.9
8-9 PM	1236	0.0	83	0.0	1499	1236	0	83	1.56	31	69.2	38.8	36.0	24.2	24.2
9-10 PM	1142	0.0	77	0.0	1500	1142	0	77	0.63	0	69.3	52.7	40.4	24.2	24.2
10-11 PM	956	0.0	64	0.0	1500	956	0	64	0.58	0	69.6	53.8	41.9	24.3	24.3
11PM-MID	700	0.0	47	0.0	1500	700	0	47	0.55	0	69.9	54.5	42.8	24.5	24.5

*----- 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	0.0122
MAIN ROUTE WITH WORKS	0.0079
DIVERSION	0.0449

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$82,371
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) 2 LANE CLOSURE  
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

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