

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

SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	441	0.0	30	0.0	1500	441	0	30	0.53	0	70.2	55.3	43.7	24.6	24.6
1-2 AM	264	0.0	18	0.0	1500	264	0	18	0.50	0	70.2	55.8	44.4	24.7	24.7
2-3 AM	199	0.0	13	0.0	1500	199	0	13	0.50	0	70.2	56.0	44.7	24.7	24.7
3-4 AM	142	0.0	9	0.0	1500	142	0	9	0.49	0	70.2	56.2	44.9	24.8	24.8
4-5 AM	144	0.0	9	0.0	1500	144	0	9	0.49	0	70.2	56.1	44.9	24.8	24.8
5-6 AM	248	0.0	16	0.0	1500	248	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
6-7 AM	426	0.0	29	0.0	1500	426	0	29	0.52	0	70.2	55.4	43.8	24.6	24.6
7-8 AM	609	0.0	41	0.0	1500	609	0	41	0.54	0	70.0	54.8	43.1	24.5	24.5
8-9 AM	846	0.0	57	0.0	1500	846	0	57	0.57	0	69.7	54.1	42.2	24.4	24.4
9-10 AM	1385	0.0	93	0.0	1499	1385	0	93	0.94	0	69.0	46.9	33.6	24.2	24.2
10-11 AM	1781	0.0	119	0.0	1500	1767	14	134	4.50	113	68.5	21.2	30.8	23.9	23.8
11A-NOON	2167	0.0	145	0.0	1499	1509	658	803	11.14	263	68.1	10.5	30.8	23.7	18.7
NOON-1PM	2356	0.0	159	0.0	1499	1524	832	991	12.23	292	67.8	9.7	30.8	23.6	17.3
1-2 PM	2354	0.0	159	0.0	1499	1498	857	1015	12.39	296	67.8	9.6	30.8	23.6	17.1
2-3 PM	2449	0.0	165	0.0	1500	1520	929	1094	12.92	310	67.7	9.3	30.8	23.6	16.5
3-4 PM	2519	0.0	169	0.0	1500	1514	1005	1174	13.51	325	67.6	9.0	30.8	23.5	15.9
4-5 PM	2590	0.0	174	0.0	1500	1512	1078	1252+	14.14	342	67.5	8.8	30.8	23.5	15.4
5-6 PM	2473	0.0	166	0.0	1499	1467	1006	1172	13.50	325	67.7	9.0	30.8	23.6	15.9
6-7 PM	2232	0.0	150	0.0	1500	1450	781	932	11.87	283	67.9	9.9	30.8	23.7	17.7
7-8 PM	1754	0.0	118	0.0	1500	1437	318	436	9.43	219	68.6	12.0	30.8	23.9	21.5
8-9 PM	1217	0.0	81	0.0	1499	1216	1	82	2.98	92	69.2	27.7	35.3	24.2	24.2
9-10 PM	859	0.0	58	0.0	1500	859	0	58	0.57	0	69.7	54.0	42.2	24.4	24.4
10-11 PM	569	0.0	38	0.0	1500	569	0	38	0.54	0	70.0	55.0	43.2	24.5	24.5
11PM-MID	339	0.0	23	0.0	1500	339	0	23	0.51	0	70.2	55.6	44.2	24.7	24.7

+ 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	0.0111
MAIN ROUTE WITH WORKS	0.0069
DIVERSION	0.0459

PIA: Personal Injury Accidents

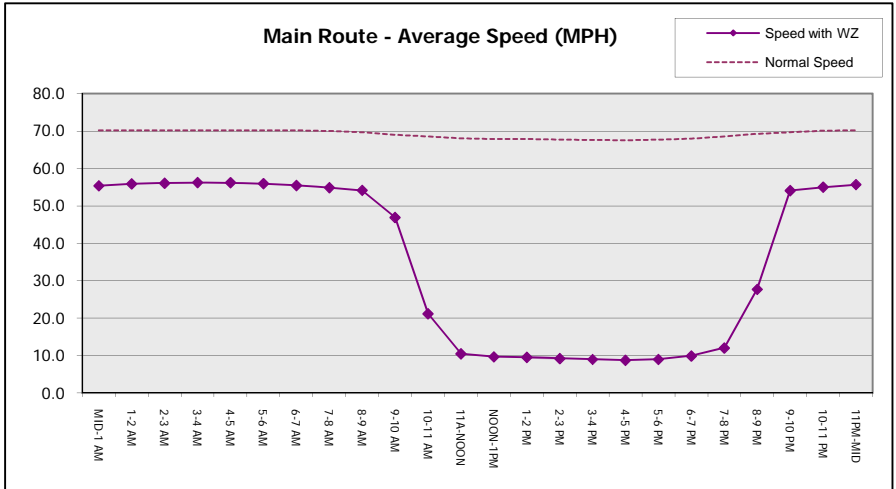
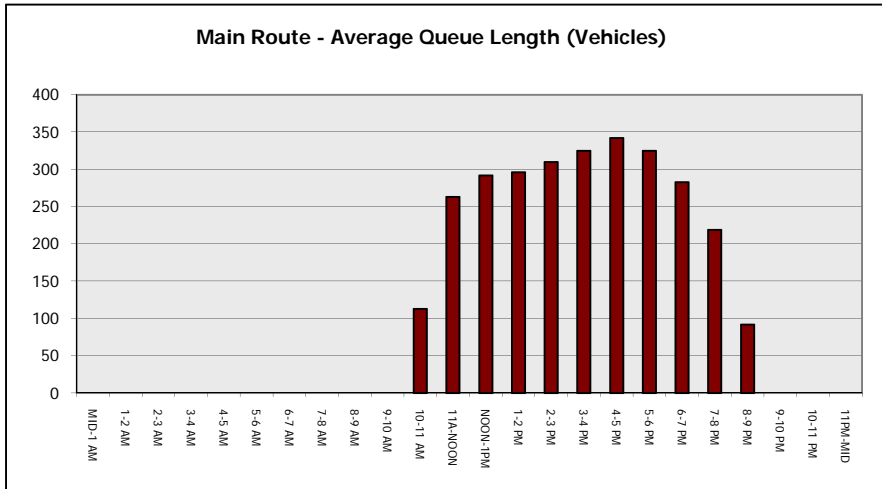
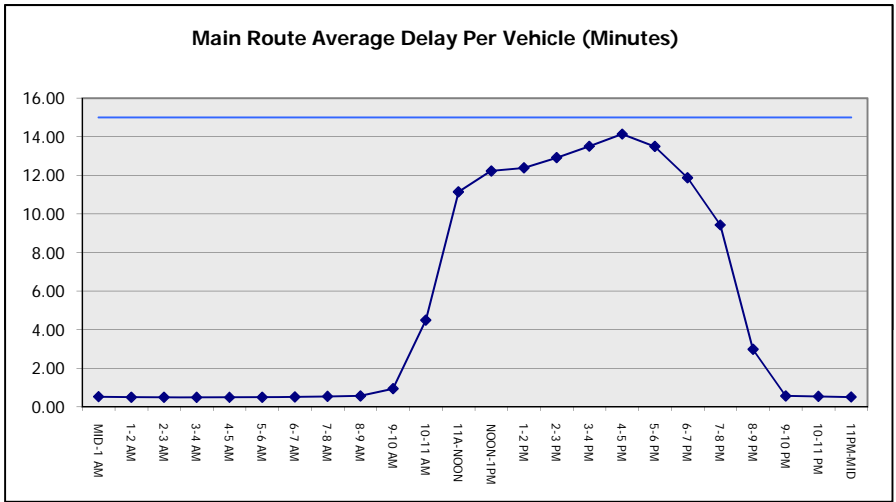
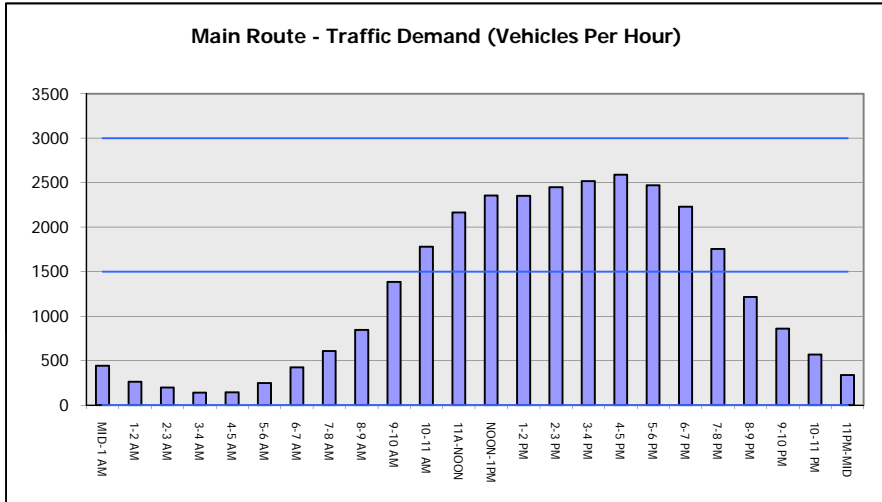
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$83,081
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY SOUTHBOUND DIRECTION



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
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SUMMARY OF TRAFFIC MODEL OUTPUT

SUNDAY 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	475	0.0	32	0.0	1500	475	0	32	0.53	0	70.2	55.3	43.6	24.6	24.6
1-2 AM	276	0.0	19	0.0	1500	276	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
2-3 AM	244	0.0	16	0.0	1500	244	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
3-4 AM	163	0.0	11	0.0	1500	163	0	11	0.49	0	70.2	56.1	44.8	24.8	24.8
4-5 AM	153	0.0	10	0.0	1500	153	0	10	0.49	0	70.2	56.1	44.9	24.8	24.8
5-6 AM	294	0.0	20	0.0	1500	294	0	20	0.51	0	70.2	55.8	44.3	24.7	24.7
6-7 AM	375	0.0	25	0.0	1500	375	0	25	0.52	0	70.2	55.5	44.0	24.7	24.7
7-8 AM	621	0.0	42	0.0	1500	621	0	42	0.55	0	70.0	54.8	43.0	24.5	24.5
8-9 AM	895	0.0	60	0.0	1500	895	0	60	0.58	0	69.6	54.0	42.0	24.4	24.4
9-10 AM	1270	0.0	85	0.0	1499	1270	0	85	0.79	0	69.2	49.5	36.5	24.2	24.2
10-11 AM	1666	0.0	112	0.0	1499	1666	0	112	2.88	59	68.7	28.2	30.8	24.0	24.0
11A-NOON	2020	0.0	136	0.0	1499	1588	432	568	9.99	234	68.2	11.5	30.8	23.8	20.5
NOON-1PM	2186	0.0	147	0.0	1500	1517	669	816	11.21	265	68.0	10.4	30.8	23.7	18.6
1-2 PM	2149	0.0	144	0.0	1499	1488	661	806	11.15	263	68.1	10.4	30.8	23.7	18.6
2-3 PM	1988	0.0	134	0.0	1499	1481	507	641	10.32	242	68.2	11.2	30.8	23.8	19.9
3-4 PM	2132	0.0	143	0.0	1500	1521	611	754	10.88	256	68.1	10.7	30.8	23.7	19.1
4-5 PM	2035	0.0	137	0.0	1499	1479	556	693	10.58	248	68.2	10.9	30.8	23.8	19.5
5-6 PM	1762	0.0	118	0.0	1499	1466	296	415	9.34	216	68.6	12.2	30.8	23.9	21.7
6-7 PM	1539	0.0	103	0.0	1500	1468	71	174	8.36	190	68.8	13.3	30.8	24.0	23.5
7-8 PM	1191	0.0	80	0.0	1499	1191	0	80	2.14	63	69.2	33.4	36.6	24.2	24.2
8-9 PM	855	0.0	58	0.0	1500	855	0	58	0.57	0	69.7	54.1	42.2	24.4	24.4
9-10 PM	713	0.0	48	0.0	1500	713	0	48	0.56	0	69.9	54.5	42.7	24.5	24.5
10-11 PM	601	0.0	40	0.0	1500	601	0	40	0.54	0	70.0	54.8	43.1	24.5	24.5
11PM-MID	364	0.0	25	0.0	1500	364	0	25	0.52	0	70.2	55.6	44.0	24.7	24.7

----- 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	0.0095
MAIN ROUTE WITH WORKS	0.0066
DIVERSION	0.0267

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$52,532
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SUNDAY NORTHBOUND DIRECTION

