

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

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	1500	247	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
1-2 AM	173	0.0	11	0.0	1500	173	0	11	0.49	0	70.2	56.1	44.8	24.8	24.8
2-3 AM	183	0.0	12	0.0	1500	183	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	274	0.0	19	0.0	1500	274	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
4-5 AM	572	0.0	38	0.0	1500	572	0	38	0.54	0	70.0	55.0	43.2	24.5	24.5
5-6 AM	1987	0.0	134	0.0	1499	1884	102	236	3.32	109	68.2	25.8	30.8	23.8	23.0
6-7 AM	4077	0.0	274	0.0	1499	1518	2559	2833+	19.06	477	63.0	7.3	32.0	22.7	12.4
7-8 AM	4358	0.0	294	0.0	1500	1508	2851	3144+	18.99	476	61.1	7.3	31.3	22.6	12.4
8-9 AM	2931	0.0	197	0.0	1500	1462	1468	1665+	17.61	435	67.1	7.7	30.8	23.3	13.2
9-10 AM	2103	0.0	141	0.0	1500	1364	739	880	11.58	278	68.1	10.2	30.8	23.8	18.1
10-11 AM	1920	0.0	129	0.0	1500	1492	428	557	9.94	231	68.4	11.6	30.8	23.8	20.6
11A-NOON	1979	0.0	133	0.0	1500	1512	466	599	10.13	236	68.2	11.4	30.8	23.8	20.2
NOON-1PM	2072	0.0	139	0.0	1500	1512	560	699	10.60	249	68.2	10.9	30.8	23.8	19.5
1-2 PM	2105	0.0	141	0.0	1499	1509	596	737	10.79	254	68.1	10.7	30.8	23.8	19.2
2-3 PM	2435	0.0	164	0.0	1500	1562	873	1036	12.53	300	67.7	9.5	30.8	23.6	16.9
3-4 PM	2667	0.0	179	0.0	1500	1544	1123	1302+	14.57	354	67.4	8.6	30.8	23.5	15.0
4-5 PM	2621	0.0	176	0.0	1499	1473	1147	1324+	14.76	359	67.5	8.5	30.8	23.5	14.9
5-6 PM	2260	0.0	151	0.0	1499	1420	840	991	12.24	293	67.9	9.7	30.8	23.7	17.3
6-7 PM	1748	0.0	117	0.0	1500	1435	313	431	9.41	218	68.6	12.0	30.8	23.9	21.5
7-8 PM	1246	0.0	83	0.0	1499	1245	1	84	3.31	96	69.2	26.0	34.4	24.2	24.2
8-9 PM	1018	0.0	68	0.0	1500	1018	0	68	0.59	0	69.5	53.6	41.6	24.3	24.3
9-10 PM	892	0.0	60	0.0	1500	892	0	60	0.58	0	69.6	54.0	42.0	24.4	24.4
10-11 PM	694	0.0	46	0.0	1500	694	0	46	0.55	0	69.9	54.6	42.8	24.5	24.5
11PM-MID	514	0.0	35	0.0	1500	514	0	35	0.53	0	70.1	55.1	43.5	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	0.0150
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.0811

PIA: Personal Injury Accidents

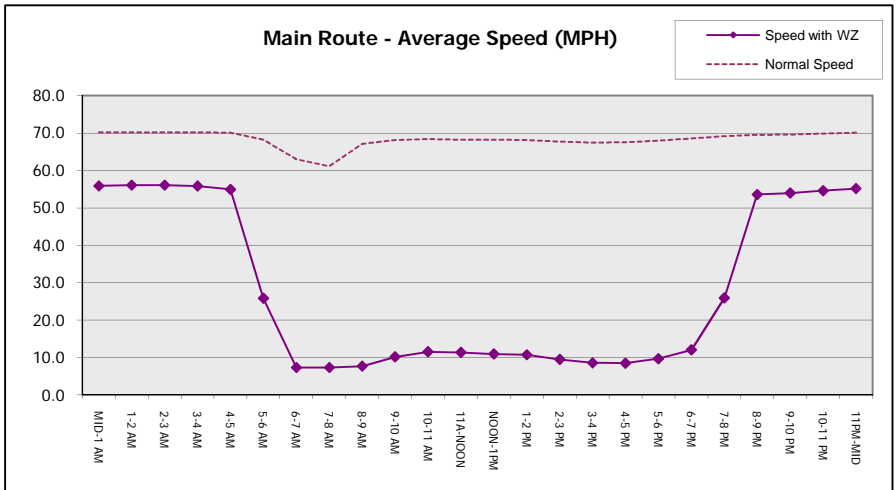
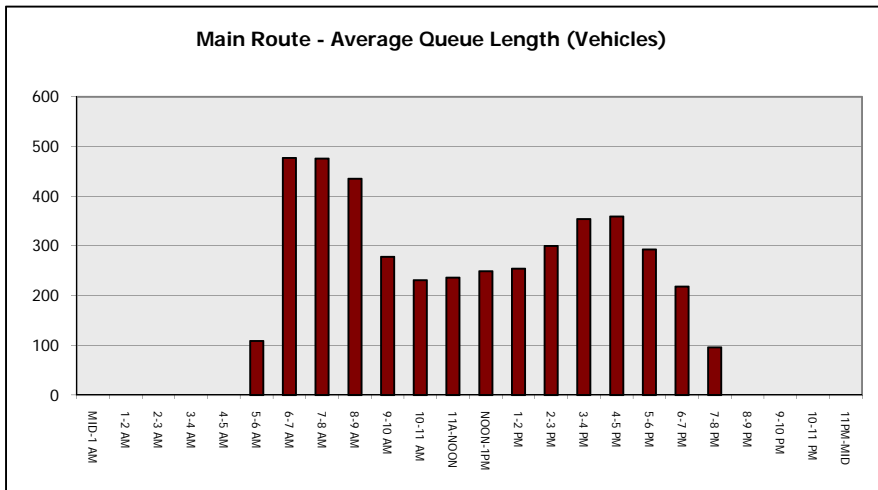
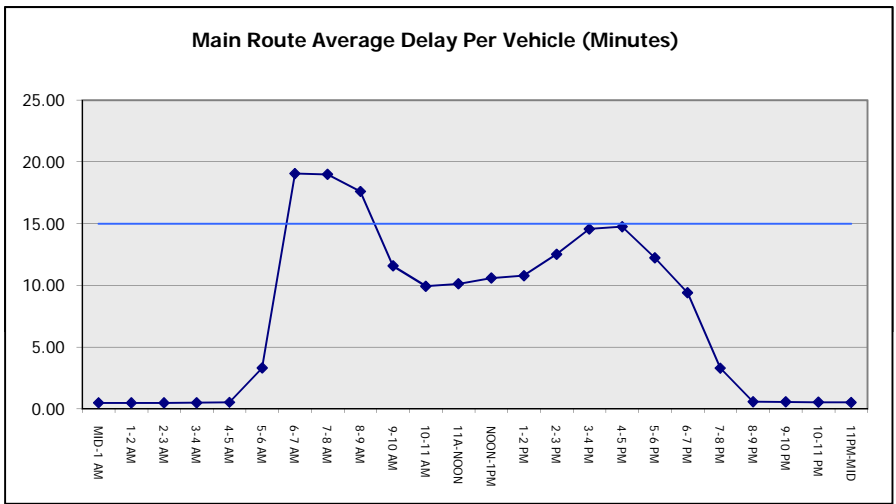
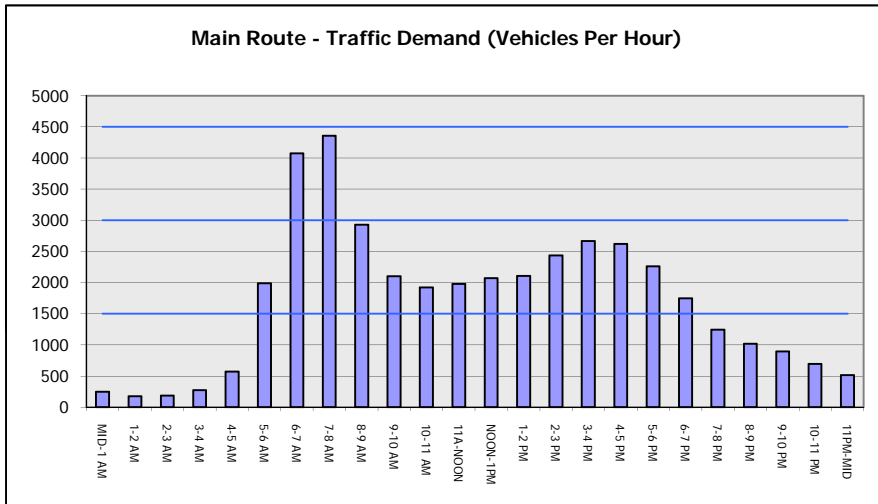
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$114,300
CONGESTED HOURS PER DAY*	3

*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
MON-THUR 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
	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	1500	262	0	18	0.50	0	70.2	55.8	44.4	24.7	24.7
1-2 AM	184	0.0	12	0.0	1500	184	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
2-3 AM	180	0.0	12	0.0	1500	180	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	203	0.0	13	0.0	1500	203	0	13	0.50	0	70.2	56.0	44.6	24.7	24.7
4-5 AM	462	0.0	31	0.0	1500	462	0	31	0.53	0	70.2	55.3	43.7	24.6	24.6
5-6 AM	1194	0.0	80	0.0	1499	1194	0	80	0.76	0	69.2	50.1	37.4	24.2	24.2
6-7 AM	2067	0.0	139	0.0	1499	1768	299	438	7.40	184	68.2	14.7	30.8	23.8	21.5
7-8 AM	2099	0.0	141	0.0	1499	1483	616	757	10.90	257	68.1	10.7	30.8	23.8	19.1
8-9 AM	1882	0.0	127	0.0	1499	1468	414	541	9.87	230	68.4	11.6	30.8	23.8	20.7
9-10 AM	1636	0.0	110	0.0	1500	1478	157	268	8.79	201	68.7	12.8	30.8	24.0	22.8
10-11 AM	1728	0.0	116	0.0	1500	1516	213	329	9.01	207	68.6	12.5	30.8	24.0	22.3
11A-NOON	1905	0.0	128	0.0	1500	1521	385	512	9.74	226	68.4	11.7	30.8	23.8	20.9
NOON-1PM	1999	0.0	134	0.0	1499	1511	488	622	10.23	239	68.2	11.2	30.8	23.8	20.1
1-2 PM	2129	0.0	143	0.0	1499	1532	596	739	10.81	255	68.1	10.7	30.8	23.7	19.2
2-3 PM	2917	0.0	196	0.0	1500	1708	1210	1405+	15.63	386	67.1	8.3	30.8	23.3	14.4
3-4 PM	3741	0.0	251	0.0	1499	1500	2241	2492+	19.15	475	65.3	7.3	30.8	22.9	12.4
4-5 PM	4370	0.0	294	0.0	1500	1500	2870	3163+	18.98	475	61.0	7.3	30.8	22.6	12.4
5-6 PM	3973	0.0	267	0.0	1500	1500	2473	2740+	19.09	475	63.7	7.3	30.8	22.8	12.4
6-7 PM	2330	0.0	157	0.0	1499	1259	1070	1227+	14.08	351	67.8	8.9	31.2	23.7	15.7
7-8 PM	1498	0.0	101	0.0	1500	1381	116	217	8.04	184	68.9	13.7	30.8	24.1	23.2
8-9 PM	1232	0.0	82	0.0	1499	1232	0	82	1.66	36	69.2	37.8	36.1	24.2	24.2
9-10 PM	1074	0.0	72	0.0	1500	1074	0	72	0.59	0	69.4	53.4	41.4	24.3	24.3
10-11 PM	829	0.0	56	0.0	1500	829	0	56	0.57	0	69.7	54.2	42.3	24.4	24.4
11PM-MID	506	0.0	34	0.0	1500	506	0	34	0.53	0	70.1	55.1	43.5	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	0.0082
DIVERSION	0.0764

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$111,694
CONGESTED HOURS PER DAY*	4

*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**

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MON-THUR NORTHBOUND DIRECTION

