

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	MAY
	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	256	0.0	17	0.0	1500	256	0	17	0.50	0	70.2	55.8	44.5	24.7	24.7
1-2 AM	162	0.0	11	0.0	1500	162	0	11	0.49	0	70.2	56.1	44.8	24.8	24.8
2-3 AM	156	0.0	10	0.0	1500	156	0	10	0.49	0	70.2	56.1	44.8	24.8	24.8
3-4 AM	253	0.0	17	0.0	1500	253	0	17	0.50	0	70.2	55.9	44.5	24.7	24.7
4-5 AM	541	0.0	36	0.0	1500	541	0	36	0.54	0	70.0	55.0	43.3	24.6	24.6
5-6 AM	1773	0.0	119	0.0	1499	1773	0	119	2.47	82	68.6	30.7	32.1	23.9	23.9
6-7 AM	3661	0.0	246	0.0	1499	1656	2005	2251+	18.47	458	65.8	7.5	30.8	23.0	12.7
7-8 AM	4222	0.0	284	0.0	1500	1500	2722	3005+	19.02	475	62.0	7.3	30.8	22.7	12.4
8-9 AM	2735	0.0	184	0.0	1499	1342	1393	1577+	17.24	427	67.3	7.8	30.8	23.4	13.4
9-10 AM	2046	0.0	138	0.0	1500	1405	641	779	11.02	261	68.2	10.6	30.8	23.8	18.9
10-11 AM	1969	0.0	133	0.0	1500	1502	467	600	10.13	236	68.3	11.4	30.8	23.8	20.2
11A-NOON	1990	0.0	134	0.0	1500	1505	485	619	10.22	239	68.2	11.2	30.8	23.8	20.1
NOON-1PM	2048	0.0	138	0.0	1500	1508	540	678	10.50	246	68.2	11.0	30.8	23.8	19.6
1-2 PM	2077	0.0	140	0.0	1499	1509	568	708	10.65	250	68.1	10.9	30.8	23.8	19.4
2-3 PM	2410	0.0	161	0.0	1500	1561	849	1010	12.36	296	67.8	9.6	30.8	23.6	17.1
3-4 PM	2659	0.0	179	0.0	1500	1548	1111	1290+	14.47	351	67.4	8.6	30.8	23.5	15.2
4-5 PM	2626	0.0	176	0.0	1499	1478	1148	1324+	14.77	359	67.4	8.5	30.8	23.5	14.9
5-6 PM	2332	0.0	156	0.0	1499	1428	903	1060	12.69	305	67.8	9.4	30.8	23.7	16.8
6-7 PM	1765	0.0	118	0.0	1500	1425	341	459	9.52	222	68.6	11.9	30.8	23.9	21.3
7-8 PM	1315	0.0	88	0.0	1499	1310	5	93	5.05	120	69.1	19.6	32.4	24.2	24.1
8-9 PM	1139	0.0	76	0.0	1500	1138	0	76	0.64	0	69.3	52.4	40.2	24.3	24.3
9-10 PM	975	0.0	66	0.0	1500	975	0	66	0.58	0	69.6	53.7	41.8	24.3	24.3
10-11 PM	750	0.0	50	0.0	1500	750	0	50	0.56	0	69.8	54.4	42.6	24.5	24.5
11PM-MID	556	0.0	37	0.0	1500	556	0	37	0.54	0	70.0	55.0	43.3	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	0.0148
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0766

PIA: Personal Injury Accidents

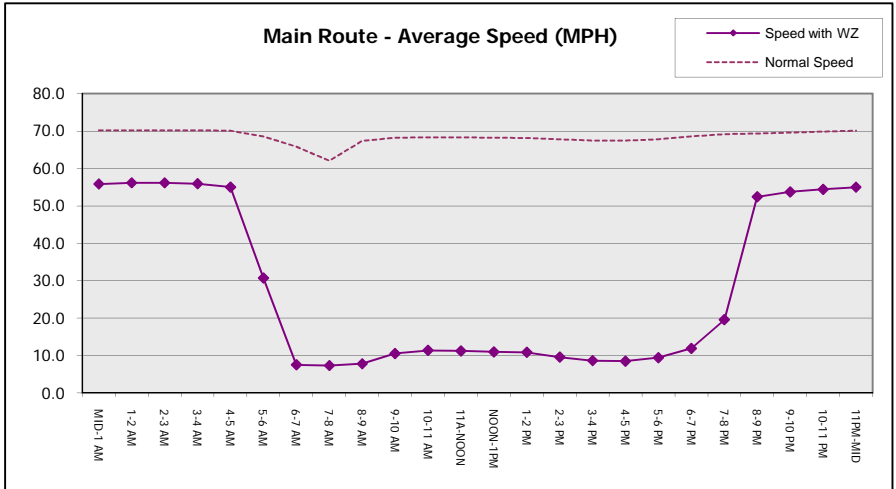
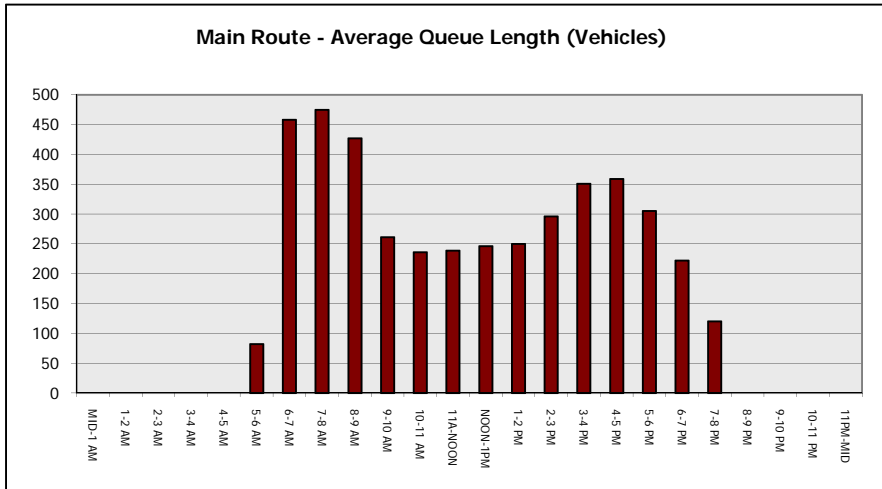
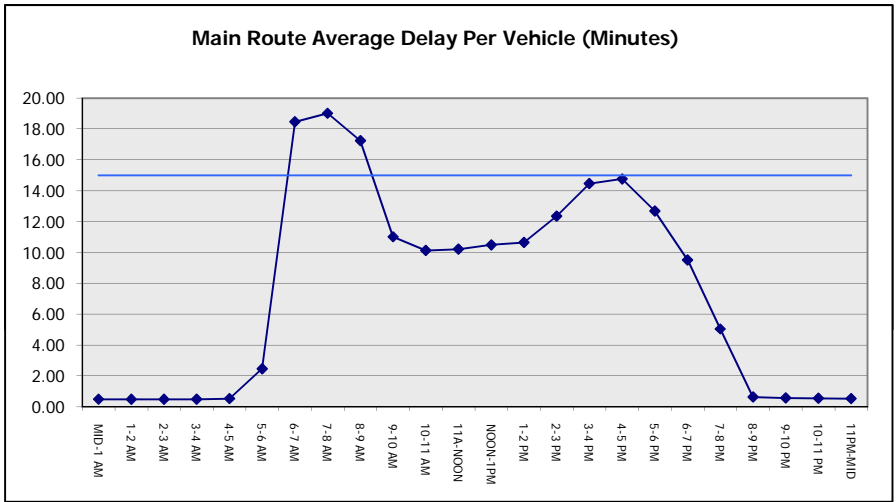
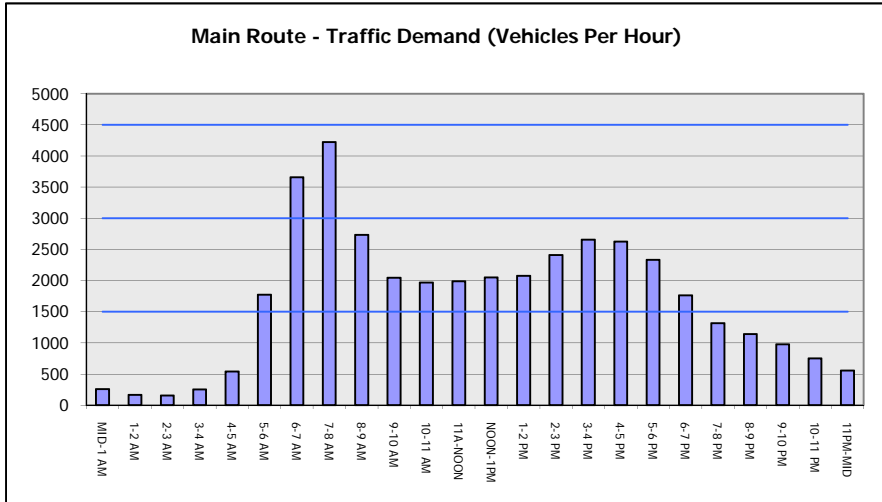
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$110,147
CONGESTED HOURS PER DAY*	3

*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**

MAY
 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	MAY
	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	272	0.0	19	0.0	1500	272	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
1-2 AM	183	0.0	12	0.0	1500	183	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
2-3 AM	161	0.0	10	0.0	1500	161	0	10	0.49	0	70.2	56.1	44.8	24.8	24.8
3-4 AM	196	0.0	13	0.0	1500	196	0	13	0.50	0	70.2	56.0	44.7	24.7	24.7
4-5 AM	410	0.0	28	0.0	1500	410	0	28	0.52	0	70.2	55.5	43.8	24.7	24.7
5-6 AM	1128	0.0	76	0.0	1499	1128	0	76	0.72	0	69.3	50.9	38.3	24.3	24.3
6-7 AM	2032	0.0	137	0.0	1499	1763	269	406	7.07	176	68.2	15.2	30.8	23.8	21.7
7-8 AM	2017	0.0	136	0.0	1499	1477	540	676	10.49	246	68.2	11.0	30.8	23.8	19.7
8-9 AM	1840	0.0	123	0.0	1499	1475	364	488	9.64	224	68.4	11.8	30.8	23.9	21.1
9-10 AM	1644	0.0	110	0.0	1500	1483	161	271	8.80	201	68.7	12.7	30.8	24.0	22.7
10-11 AM	1694	0.0	114	0.0	1500	1511	183	297	8.89	204	68.6	12.7	30.8	24.0	22.5
11A-NOON	1908	0.0	129	0.0	1500	1525	383	512	9.74	226	68.4	11.7	30.8	23.8	20.9
NOON-1PM	1989	0.0	134	0.0	1499	1509	480	614	10.20	238	68.2	11.3	30.8	23.8	20.1
1-2 PM	2114	0.0	142	0.0	1499	1530	584	726	10.74	253	68.1	10.8	30.8	23.7	19.3
2-3 PM	2833	0.0	190	0.0	1500	1680	1153	1343+	15.01	369	67.2	8.4	30.8	23.3	14.8
3-4 PM	3611	0.0	243	0.0	1499	1500	2111	2354+	19.18	475	66.2	7.3	30.8	23.0	12.4
4-5 PM	4168	0.0	280	0.0	1500	1500	2668	2948+	19.04	475	62.4	7.3	30.8	22.7	12.4
5-6 PM	3830	0.0	257	0.0	1500	1500	2330	2588+	19.13	475	64.7	7.3	30.8	22.9	12.4
6-7 PM	2162	0.0	145	0.0	1500	1270	892	1037	12.63	313	68.1	9.6	31.2	23.7	17.0
7-8 PM	1493	0.0	100	0.0	1500	1411	82	182	8.01	182	68.9	13.8	30.8	24.1	23.5
8-9 PM	1267	0.0	85	0.0	1499	1267	0	85	2.00	47	69.2	34.5	34.8	24.2	24.2
9-10 PM	1108	0.0	74	0.0	1500	1108	0	74	0.60	0	69.4	53.3	41.3	24.3	24.3
10-11 PM	935	0.0	63	0.0	1500	935	0	63	0.58	0	69.6	53.8	41.9	24.3	24.3
11PM-MID	532	0.0	36	0.0	1500	532	0	36	0.54	0	70.0	55.1	43.4	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	0.0145
MAIN ROUTE WITH WORKS	0.0082
DIVERSION	0.0716

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$106,572
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

