

USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY) OFF-PEAK DAY 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	OFF	256	0	17	0.00	0	70.2	70.2	70.2	24.7	24.7
1-2 AM	162	0.0	11	0.0	OFF	162	0	11	0.00	0	70.2	70.2	70.2	24.8	24.8
2-3 AM	156	0.0	10	0.0	OFF	156	0	10	0.00	0	70.2	70.2	70.2	24.8	24.8
3-4 AM	253	0.0	17	0.0	OFF	253	0	17	0.00	0	70.2	70.2	70.2	24.7	24.7
4-5 AM	541	0.0	36	0.0	OFF	541	0	36	0.00	0	70.0	70.0	70.0	24.6	24.6
5-6 AM	1773	0.0	119	0.0	OFF	1773	0	119	0.00	0	68.6	68.6	68.6	23.9	23.9
6-7 AM	3661	0.0	246	0.0	OFF	3661	0	246	0.00	0	65.8	65.8	65.8	23.0	23.0
7-8 AM	4222	0.0	284	0.0	OFF	4222	0	284	0.00	0	62.0	62.0	62.0	22.7	22.7
8-9 AM	2735	0.0	184	0.0	OFF	2735	0	184	0.00	0	67.3	67.3	67.3	23.4	23.4
9-10 AM	2046	0.0	138	0.0	1499	1734	313	450	8.75	209	68.2	12.8	30.9	23.8	21.4
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	OFF	2626	0	176	0.21	20	67.4	61.0	61.0	23.5	23.5
5-6 PM	2332	0.0	156	0.0	OFF	2332	0	156	0.00	0	67.8	67.8	67.8	23.7	23.7
6-7 PM	1765	0.0	118	0.0	OFF	1765	0	118	0.00	0	68.6	68.6	68.6	23.9	23.9
7-8 PM	1315	0.0	88	0.0	OFF	1315	0	88	0.00	0	69.1	69.1	69.1	24.2	24.2
8-9 PM	1139	0.0	76	0.0	OFF	1139	0	76	0.00	0	69.3	69.3	69.3	24.3	24.3
9-10 PM	975	0.0	66	0.0	OFF	975	0	66	0.00	0	69.6	69.6	69.6	24.3	24.3
10-11 PM	750	0.0	50	0.0	OFF	750	0	50	0.00	0	69.8	69.8	69.8	24.5	24.5
11PM-MID	556	0.0	37	0.0	OFF	556	0	37	0.00	0	70.0	70.0	70.0	24.5	24.5

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0125
DIVERSION	0.0340

PIA: Personal Injury Accidents

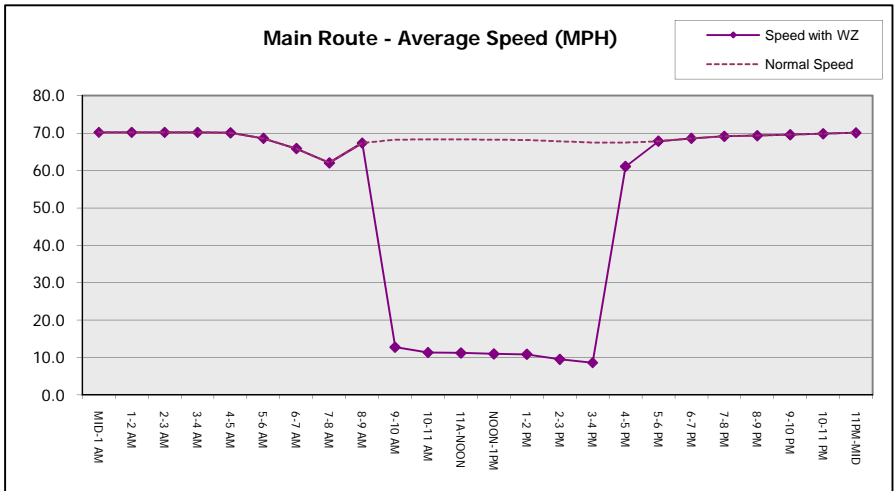
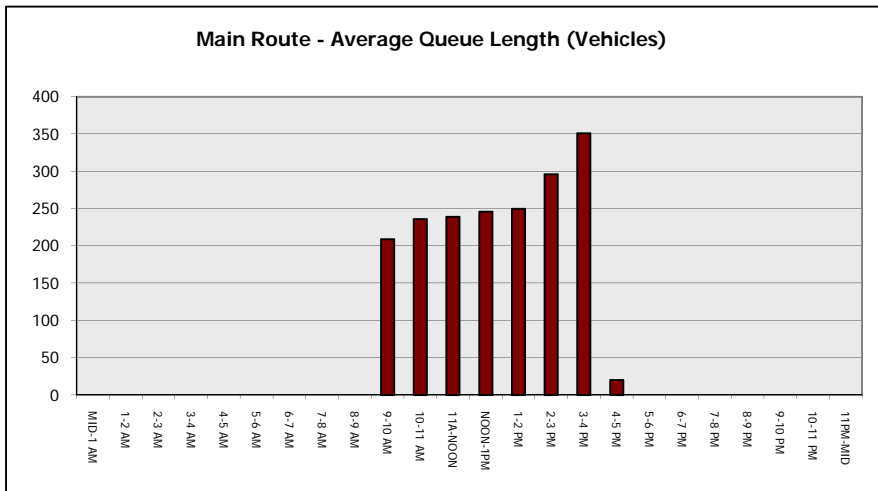
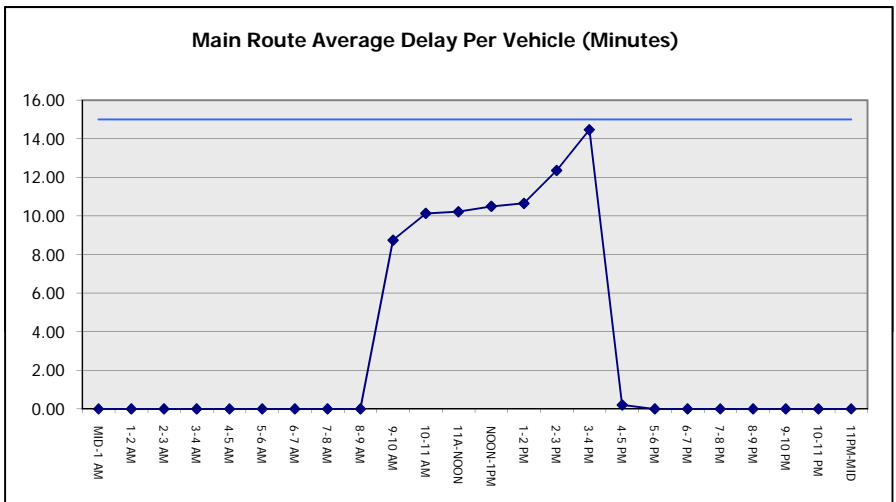
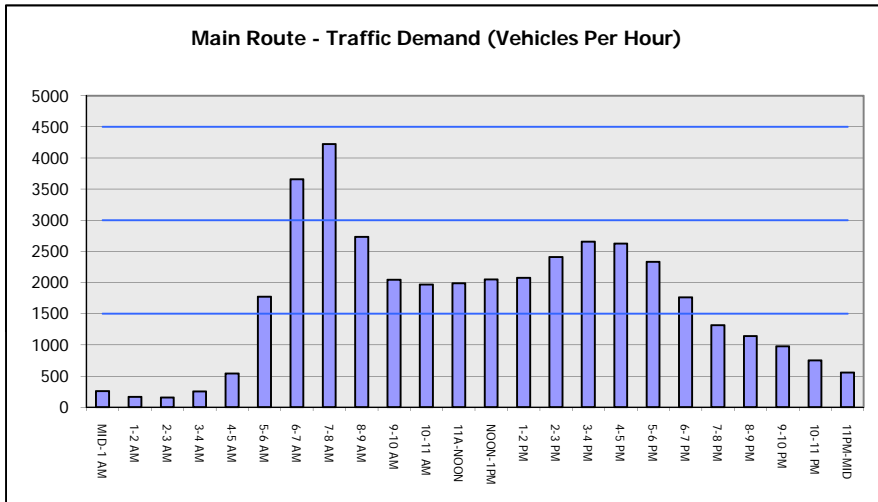
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$40,147
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
OFF-PEAK DAY 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) OFF-PEAK DAY 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	OFF	272	0	19	0.00	0	70.2	70.2	70.2	24.7	24.7
1-2 AM	183	0.0	12	0.0	OFF	183	0	12	0.00	0	70.2	70.2	70.2	24.7	24.7
2-3 AM	161	0.0	10	0.0	OFF	161	0	10	0.00	0	70.2	70.2	70.2	24.8	24.8
3-4 AM	196	0.0	13	0.0	OFF	196	0	13	0.00	0	70.2	70.2	70.2	24.7	24.7
4-5 AM	410	0.0	28	0.0	OFF	410	0	28	0.00	0	70.2	70.2	70.2	24.7	24.7
5-6 AM	1128	0.0	76	0.0	OFF	1128	0	76	0.00	0	69.3	69.3	69.3	24.3	24.3
6-7 AM	2032	0.0	137	0.0	OFF	2032	0	137	0.00	0	68.2	68.2	68.2	23.8	23.8
7-8 AM	2017	0.0	136	0.0	OFF	2017	0	136	0.00	0	68.2	68.2	68.2	23.8	23.8
8-9 AM	1840	0.0	123	0.0	OFF	1840	0	123	0.00	0	68.4	68.4	68.4	23.9	23.9
9-10 AM	1644	0.0	110	0.0	1499	1644	0	110	3.70	76	68.7	24.2	30.8	24.0	24.0
10-11 AM	1694	0.0	114	0.0	1500	1564	130	244	8.54	196	68.6	13.0	30.8	24.0	23.0
11A-NOON	1908	0.0	129	0.0	1500	1526	382	511	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	OFF	4168	0	280	0.68	56	62.4	47.8	47.8	22.7	22.7
5-6 PM	3830	0.0	257	0.0	OFF	3830	0	257	0.00	0	64.7	64.7	64.7	22.9	22.9
6-7 PM	2162	0.0	145	0.0	OFF	2162	0	145	0.00	0	68.1	68.1	68.1	23.7	23.7
7-8 PM	1493	0.0	100	0.0	OFF	1493	0	100	0.00	0	68.9	68.9	68.9	24.1	24.1
8-9 PM	1267	0.0	85	0.0	OFF	1267	0	85	0.00	0	69.2	69.2	69.2	24.2	24.2
9-10 PM	1108	0.0	74	0.0	OFF	1108	0	74	0.00	0	69.4	69.4	69.4	24.3	24.3
10-11 PM	935	0.0	63	0.0	OFF	935	0	63	0.00	0	69.6	69.6	69.6	24.3	24.3
11PM-MID	532	0.0	36	0.0	OFF	532	0	36	0.00	0	70.0	70.0	70.0	24.6	24.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

+ 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	0.0120
DIVERSION	0.0361

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$46,293
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
 OFF-PEAK DAY 2 LANE CLOSURE
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

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MON-THUR NORTHBOUND DIRECTION

