

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	AUGUST
	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	513	0.0	34	0.0	OFF	513	0	34	0.00	0	70.1	70.1	70.1	24.6	24.6
1-2 AM	376	0.0	26	0.0	OFF	376	0	26	0.00	0	70.2	70.2	70.2	24.7	24.7
2-3 AM	209	0.0	14	0.0	OFF	209	0	14	0.00	0	70.2	70.2	70.2	24.7	24.7
3-4 AM	149	0.0	10	0.0	OFF	149	0	10	0.00	0	70.2	70.2	70.2	24.8	24.8
4-5 AM	171	0.0	11	0.0	OFF	171	0	11	0.00	0	70.2	70.2	70.2	24.8	24.8
5-6 AM	264	0.0	17	0.0	OFF	264	0	17	0.00	0	70.2	70.2	70.2	24.7	24.7
6-7 AM	497	0.0	33	0.0	OFF	497	0	33	0.00	0	70.1	70.1	70.1	24.6	24.6
7-8 AM	589	0.0	39	0.0	OFF	589	0	39	0.00	0	70.0	70.0	70.0	24.5	24.5
8-9 AM	958	0.0	65	0.0	OFF	958	0	65	0.00	0	69.6	69.6	69.6	24.3	24.3
9-10 AM	1472	0.0	99	0.0	1499	1472	0	99	1.41	14	68.9	40.5	32.7	24.1	24.1
10-11 AM	2092	0.0	141	0.0	1500	1717	375	516	9.15	224	68.1	12.4	30.8	23.8	20.9
11A-NOON	2529	0.0	170	0.0	1500	1572	957	1127	13.16	317	67.6	9.1	30.8	23.5	16.3
NOON-1PM	2698	0.0	181	0.0	1499	1529	1169	1350+	15.00	365	67.4	8.4	30.8	23.5	14.7
1-2 PM	2654	0.0	178	0.0	1499	1489	1165	1343+	14.94	363	67.4	8.4	30.8	23.5	14.8
2-3 PM	2827	0.0	190	0.0	1500	1545	1282	1472+	16.25	398	67.2	8.1	30.8	23.3	13.9
3-4 PM	2638	0.0	177	0.0	1499	1444	1194	1371+	15.22	371	67.4	8.4	30.8	23.5	14.6
4-5 PM	2673	0.0	180	0.0	1500	1510	1163	1343+	14.94	363	67.4	8.4	30.8	23.5	14.8
5-6 PM	2551	0.0	172	0.0	1499	1462	1089	1261+	14.22	344	67.6	8.7	30.8	23.5	15.3
6-7 PM	2243	0.0	150	0.0	1499	1439	805	955	12.01	287	67.9	9.8	30.8	23.7	17.5
7-8 PM	1921	0.0	129	0.0	OFF	1921	0	129	0.10	8	68.4	65.3	65.3	23.8	23.8
8-9 PM	1605	0.0	108	0.0	OFF	1605	0	108	0.00	0	68.7	68.7	68.7	24.0	24.0
9-10 PM	1122	0.0	75	0.0	OFF	1122	0	75	0.00	0	69.4	69.4	69.4	24.3	24.3
10-11 PM	801	0.0	54	0.0	OFF	801	0	54	0.00	0	69.7	69.7	69.7	24.4	24.4
11PM-MID	396	0.0	27	0.0	OFF	396	0	27	0.00	0	70.2	70.2	70.2	24.7	24.7

"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 (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	0.0124
MAIN ROUTE WITH WORKS	0.0081
DIVERSION	0.0553

PIA: Personal Injury Accidents

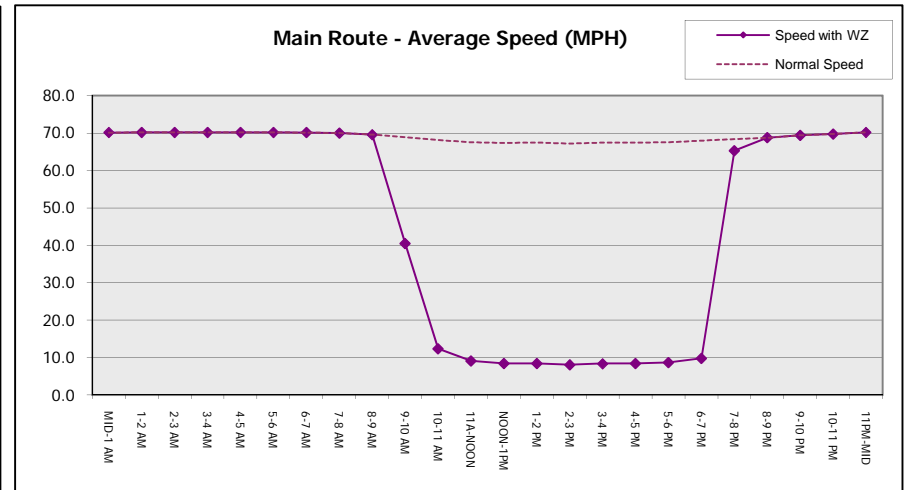
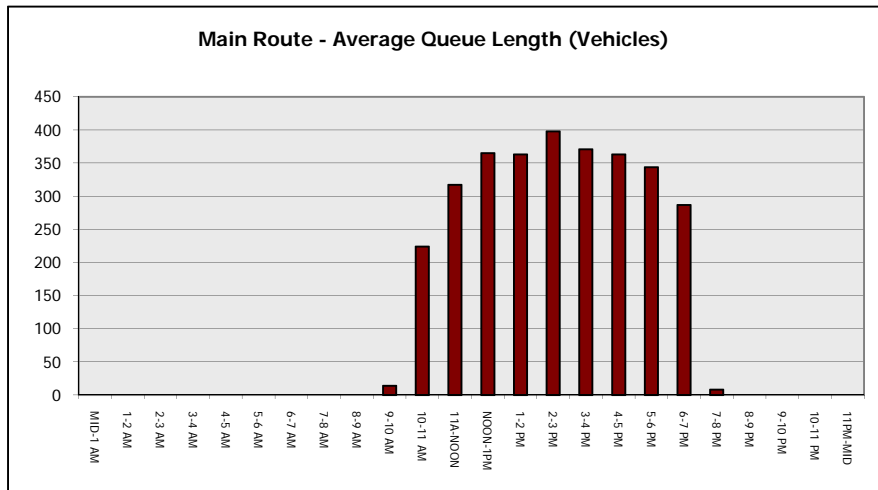
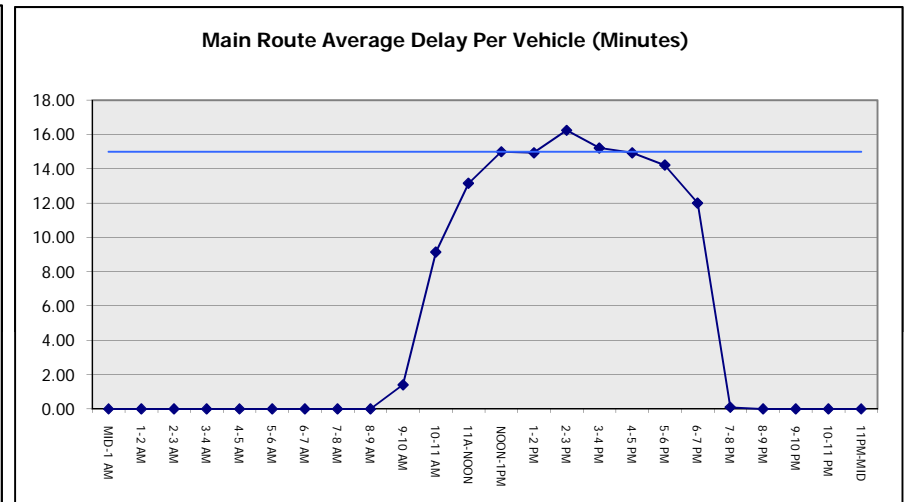
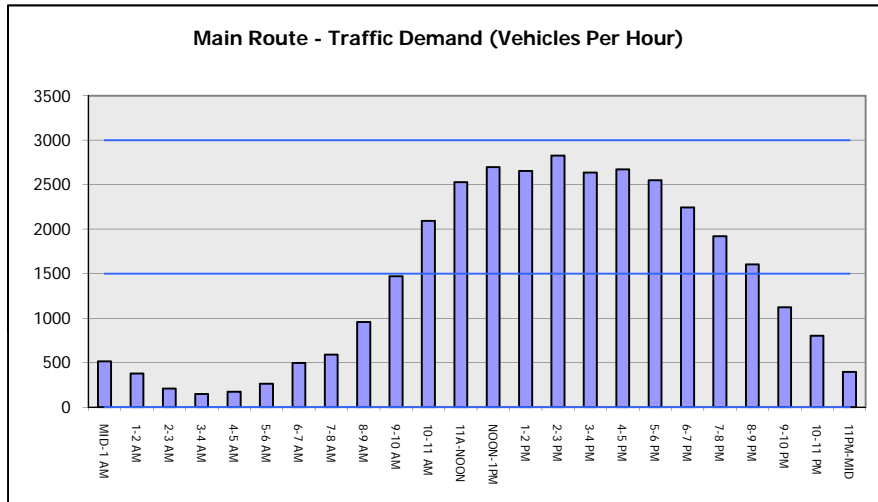
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$96,888
CONGESTED HOURS PER DAY*	2

*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

AUGUST
 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) OFF-PEAK DAY 2 LANE CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	AUGUST
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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			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	536	0.0	36	0.0	OFF	536	0	36	0.00	0	70.0	70.0	70.0	24.6	24.6
1-2 AM	335	0.0	23	0.0	OFF	335	0	23	0.00	0	70.2	70.2	70.2	24.7	24.7
2-3 AM	239	0.0	16	0.0	OFF	239	0	16	0.00	0	70.2	70.2	70.2	24.7	24.7
3-4 AM	145	0.0	9	0.0	OFF	145	0	9	0.00	0	70.2	70.2	70.2	24.8	24.8
4-5 AM	118	0.0	8	0.0	OFF	118	0	8	0.00	0	70.2	70.2	70.2	24.8	24.8
5-6 AM	243	0.0	16	0.0	OFF	243	0	16	0.00	0	70.2	70.2	70.2	24.7	24.7
6-7 AM	387	0.0	26	0.0	OFF	387	0	26	0.00	0	70.2	70.2	70.2	24.7	24.7
7-8 AM	597	0.0	40	0.0	OFF	597	0	40	0.00	0	70.0	70.0	70.0	24.5	24.5
8-9 AM	851	0.0	58	0.0	OFF	851	0	58	0.00	0	69.7	69.7	69.7	24.4	24.4
9-10 AM	1240	0.0	83	0.0	1499	1240	0	83	0.75	0	69.2	50.2	37.4	24.2	24.2
10-11 AM	1624	0.0	109	0.0	1499	1624	0	109	2.40	42	68.7	31.2	30.8	24.0	24.0
11A-NOON	1878	0.0	127	0.0	1500	1608	270	396	9.03	211	68.4	12.5	30.8	23.8	21.8
NOON-1PM	2070	0.0	139	0.0	1500	1523	547	686	10.54	247	68.2	11.0	30.8	23.8	19.6
1-2 PM	2112	0.0	142	0.0	1499	1501	611	753	10.88	256	68.1	10.7	30.8	23.7	19.1
2-3 PM	2050	0.0	138	0.0	1499	1491	559	697	10.59	249	68.2	10.9	30.8	23.8	19.5
3-4 PM	2083	0.0	140	0.0	1500	1509	573	713	10.67	251	68.1	10.9	30.8	23.8	19.4
4-5 PM	2272	0.0	152	0.0	1500	1525	747	899	11.68	277	67.9	10.1	30.8	23.7	17.9
5-6 PM	2080	0.0	140	0.0	1499	1460	620	760	10.92	257	68.1	10.7	30.8	23.8	19.0
6-7 PM	1681	0.0	113	0.0	1499	1453	228	341	9.06	209	68.6	12.5	30.8	24.0	22.2
7-8 PM	1392	0.0	94	0.0	OFF	1392	0	94	0.05	4	69.0	67.4	67.4	24.1	24.1
8-9 PM	1149	0.0	77	0.0	OFF	1149	0	77	0.00	0	69.3	69.3	69.3	24.2	24.2
9-10 PM	966	0.0	65	0.0	OFF	966	0	65	0.00	0	69.6	69.6	69.6	24.3	24.3
10-11 PM	780	0.0	52	0.0	OFF	780	0	52	0.00	0	69.7	69.7	69.7	24.5	24.5
11PM-MID	473	0.0	32	0.0	OFF	473	0	32	0.00	0	70.2	70.2	70.2	24.6	24.6

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

----- 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	0.0100
MAIN ROUTE WITH WORKS	0.0075
DIVERSION	0.0289

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$52,344
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

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

