

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	AUGUST
	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	273	0.0	19	0.0	1500	273	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
1-2 AM	172	0.0	11	0.0	1500	172	0	11	0.49	0	70.2	56.1	44.8	24.8	24.8
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	275	0.0	19	0.0	1500	275	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
4-5 AM	608	0.0	41	0.0	1500	608	0	41	0.54	0	70.0	54.8	43.1	24.5	24.5
5-6 AM	1911	0.0	129	0.0	1499	1885	25	154	2.85	98	68.4	28.3	30.8	23.8	23.7
6-7 AM	3835	0.0	257	0.0	1499	1529	2306	2563+	18.99	472	64.6	7.4	30.9	22.9	12.4
7-8 AM	4368	0.0	293	0.0	1500	1501	2867	3160+	18.98	476	61.0	7.3	30.9	22.6	12.4
8-9 AM	2855	0.0	191	0.0	1500	1444	1410	1602+	17.50	432	67.2	7.8	30.8	23.3	13.2
9-10 AM	2237	0.0	150	0.0	1500	1402	835	986	12.21	293	67.9	9.7	30.8	23.7	17.3
10-11 AM	2128	0.0	143	0.0	1500	1496	632	775	10.99	259	68.1	10.6	30.8	23.7	18.9
11A-NOON	2154	0.0	145	0.0	1500	1508	646	791	11.08	261	68.1	10.5	30.8	23.7	18.8
NOON-1PM	2241	0.0	150	0.0	1500	1513	728	878	11.56	274	67.9	10.1	30.8	23.7	18.1
1-2 PM	2227	0.0	149	0.0	1499	1502	724	873	11.53	273	67.9	10.2	30.8	23.7	18.1
2-3 PM	2545	0.0	171	0.0	1500	1567	977	1148	13.32	321	67.6	9.1	30.8	23.5	16.1
3-4 PM	2757	0.0	185	0.0	1500	1545	1211	1397+	15.46	377	67.3	8.3	30.8	23.4	14.4
4-5 PM	2709	0.0	182	0.0	1499	1473	1236	1418+	15.68	383	67.4	8.2	30.8	23.4	14.3
5-6 PM	2385	0.0	161	0.0	1499	1416	969	1130	13.20	318	67.8	9.1	30.8	23.6	16.3
6-7 PM	1805	0.0	121	0.0	1500	1420	384	506	9.72	227	68.5	11.7	30.8	23.9	21.0
7-8 PM	1370	0.0	92	0.0	1499	1359	11	103	6.37	145	69.1	16.5	31.4	24.2	24.0
8-9 PM	1218	0.0	82	0.0	1500	1218	0	82	0.96	8	69.2	46.8	37.6	24.2	24.2
9-10 PM	993	0.0	67	0.0	1500	993	0	67	0.59	0	69.5	53.7	41.7	24.3	24.3
10-11 PM	784	0.0	52	0.0	1500	784	0	52	0.56	0	69.7	54.3	42.5	24.5	24.5
11PM-MID	583	0.0	39	0.0	1500	583	0	39	0.54	0	70.0	54.9	43.2	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	0.0156
MAIN ROUTE WITH WORKS	0.0083
DIVERSION	0.0859

PIA: Personal Injury Accidents

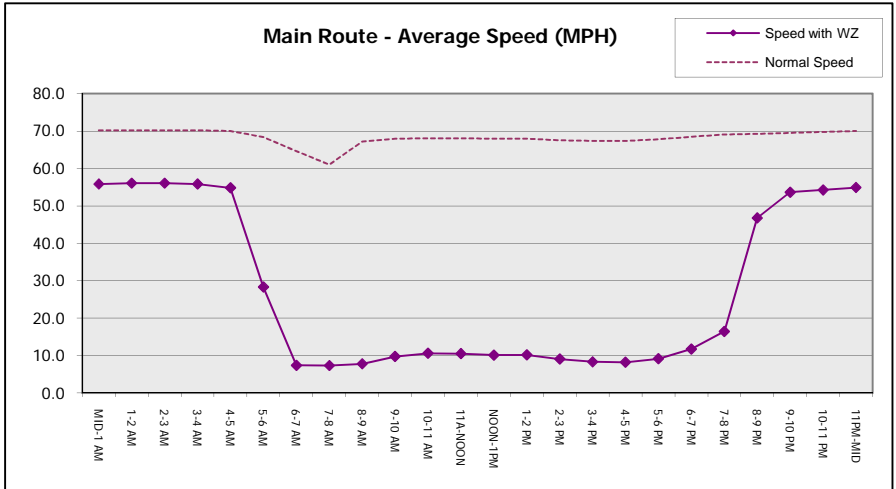
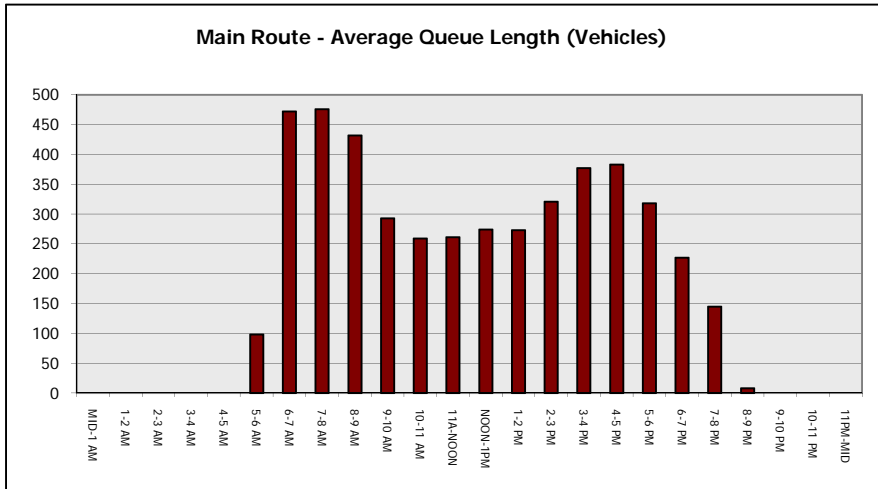
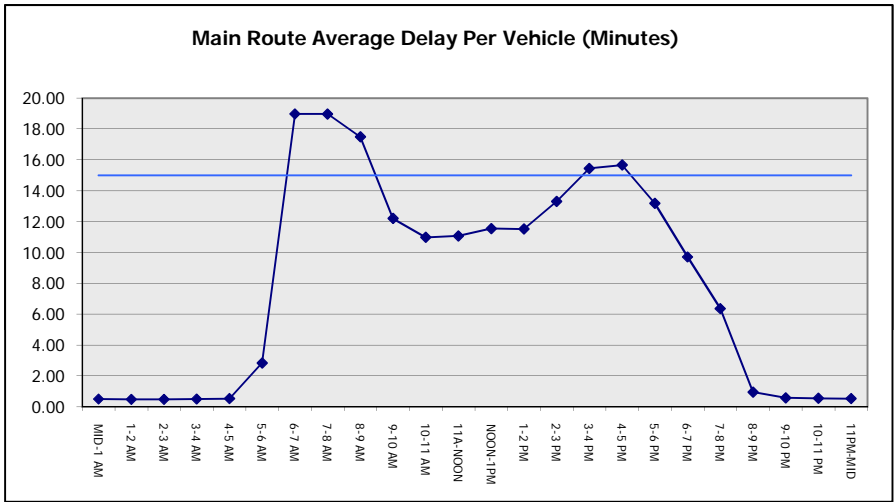
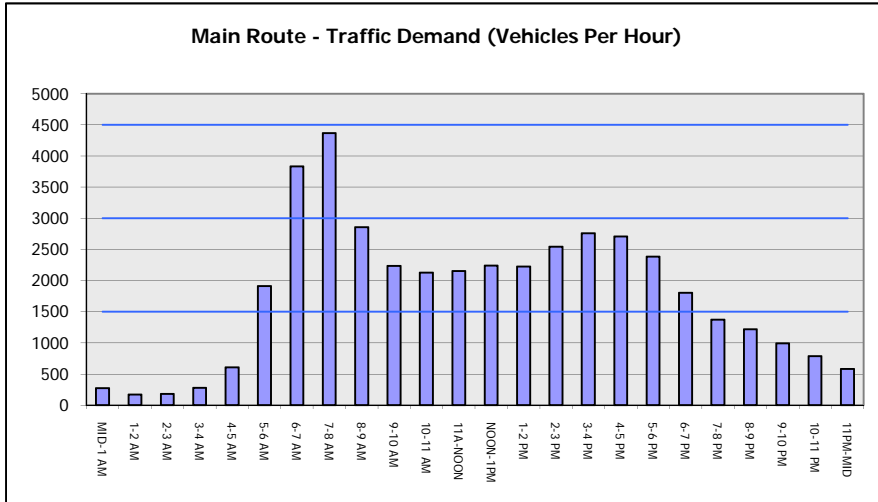
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$122,203
CONGESTED HOURS PER DAY*	5

*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**

AUGUST
 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	AUGUST
	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						
	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	354	0.0	24	0.0	1500	354	0	24	0.52	0	70.2	55.6	44.1	24.7	24.7
1-2 AM	216	0.0	14	0.0	1500	216	0	14	0.50	0	70.2	56.0	44.6	24.7	24.7
2-3 AM	179	0.0	12	0.0	1500	179	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	197	0.0	13	0.0	1500	197	0	13	0.50	0	70.2	56.0	44.7	24.7	24.7
4-5 AM	451	0.0	30	0.0	1500	451	0	30	0.53	0	70.2	55.3	43.7	24.6	24.6
5-6 AM	1163	0.0	78	0.0	1499	1163	0	78	0.74	0	69.3	50.5	37.9	24.2	24.2
6-7 AM	2018	0.0	136	0.0	1499	1762	255	391	6.89	172	68.2	15.5	30.8	23.8	21.9
7-8 AM	2086	0.0	140	0.0	1499	1487	598	738	10.80	254	68.1	10.7	30.8	23.8	19.2
8-9 AM	1836	0.0	124	0.0	1499	1466	371	494	9.67	224	68.4	11.8	30.8	23.9	21.1
9-10 AM	1729	0.0	116	0.0	1500	1494	236	352	9.10	209	68.6	12.4	30.8	24.0	22.2
10-11 AM	1841	0.0	124	0.0	1500	1517	324	447	9.47	219	68.4	12.0	30.8	23.9	21.4
11A-NOON	2000	0.0	135	0.0	1500	1520	480	615	10.20	238	68.2	11.3	30.8	23.8	20.1
NOON-1PM	2087	0.0	140	0.0	1499	1513	574	714	10.68	251	68.1	10.9	30.8	23.8	19.4
1-2 PM	2290	0.0	154	0.0	1499	1546	744	898	11.67	278	67.9	10.1	30.8	23.7	17.9
2-3 PM	3008	0.0	202	0.0	1500	1670	1338	1540+	16.54	409	67.0	8.0	30.8	23.3	13.8
3-4 PM	3696	0.0	248	0.0	1499	1500	2196	2444+	19.16	475	65.6	7.3	30.8	22.9	12.4
4-5 PM	4428	0.0	297	0.0	1500	1500	2928	3225+	18.96	475	60.6	7.3	30.8	22.5	12.4
5-6 PM	4022	0.0	271	0.0	1500	1500	2522	2793+	19.08	475	63.4	7.3	30.8	22.8	12.4
6-7 PM	2344	0.0	157	0.0	1499	1272	1072	1229+	14.09	350	67.8	8.9	31.2	23.7	15.6
7-8 PM	1609	0.0	108	0.0	1500	1435	174	282	8.82	203	68.7	12.7	30.8	24.0	22.7
8-9 PM	1357	0.0	92	0.0	1499	1357	0	92	5.52	125	69.1	18.3	31.6	24.2	24.2
9-10 PM	1158	0.0	78	0.0	1500	1158	0	78	0.73	2	69.3	50.7	39.7	24.2	24.2
10-11 PM	1016	0.0	68	0.0	1500	1016	0	68	0.59	0	69.5	53.6	41.6	24.3	24.3
11PM-MID	645	0.0	43	0.0	1500	645	0	43	0.55	0	69.9	54.7	43.0	24.5	24.5

+ 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	0.0153
MAIN ROUTE WITH WORKS	0.0084
DIVERSION	0.0800

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$117,191
CONGESTED HOURS PER DAY*	4

*Delays Exceeding 15 Minutes

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

AUGUST
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MON-THUR NORTHBOUND DIRECTION

