

USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) 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	3000	273	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	172	0.0	11	0.0	3000	172	0	11	0.36	0	70.2	59.3	49.7	24.8	24.8
2-3 AM	180	0.0	12	0.0	3000	180	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	275	0.0	19	0.0	3000	275	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	608	0.0	41	0.0	3000	608	0	41	0.36	0	70.0	59.2	49.7	24.5	24.5
5-6 AM	1911	0.0	129	0.0	2999	1911	0	129	0.34	0	68.4	58.6	49.7	23.8	23.8
6-7 AM	3835	0.0	257	0.0	2999	3697	137	395	5.14	312	64.6	20.1	37.3	22.9	22.3
7-8 AM	4368	0.0	293	0.0	2999	3228	1140	1433+	16.19	870	61.0	10.6	37.3	22.6	16.1
8-9 AM	2855	0.0	191	0.0	2999	2368	486	678	10.35	555	67.2	13.1	37.6	23.3	20.9
9-10 AM	2237	0.0	150	0.0	3000	2237	0	150	1.03	64	67.9	45.0	47.7	23.7	23.7
10-11 AM	2128	0.0	143	0.0	3000	2128	0	143	0.33	0	68.1	58.5	49.7	23.7	23.7
11A-NOON	2154	0.0	145	0.0	3000	2154	0	145	0.33	0	68.1	58.5	49.7	23.7	23.7
NOON-1PM	2241	0.0	150	0.0	3000	2241	0	150	0.33	0	67.9	58.4	49.7	23.7	23.7
1-2 PM	2227	0.0	149	0.0	3000	2227	0	149	0.33	0	67.9	58.4	49.7	23.7	23.7
2-3 PM	2545	0.0	171	0.0	3000	2545	0	171	0.43	0	67.6	55.8	45.8	23.5	23.5
3-4 PM	2757	0.0	185	0.0	3000	2757	0	185	0.57	0	67.3	52.7	41.4	23.4	23.4
4-5 PM	2709	0.0	182	0.0	3000	2709	0	182	0.54	0	67.4	53.3	42.3	23.4	23.4
5-6 PM	2385	0.0	161	0.0	3000	2385	0	161	0.33	0	67.8	58.4	49.7	23.6	23.6
6-7 PM	1805	0.0	121	0.0	3000	1805	0	121	0.34	0	68.5	58.6	49.7	23.9	23.9
7-8 PM	1370	0.0	92	0.0	3000	1370	0	92	0.34	0	69.1	58.9	49.7	24.2	24.2
8-9 PM	1218	0.0	82	0.0	3000	1218	0	82	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	993	0.0	67	0.0	3000	993	0	67	0.35	0	69.5	59.1	49.7	24.3	24.3
10-11 PM	784	0.0	52	0.0	3000	784	0	52	0.35	0	69.7	59.2	49.7	24.5	24.5
11PM-MID	583	0.0	39	0.0	3000	583	0	39	0.36	0	70.0	59.2	49.7	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	0.0122
DIVERSION	0.0223

PIA: Personal Injury Accidents

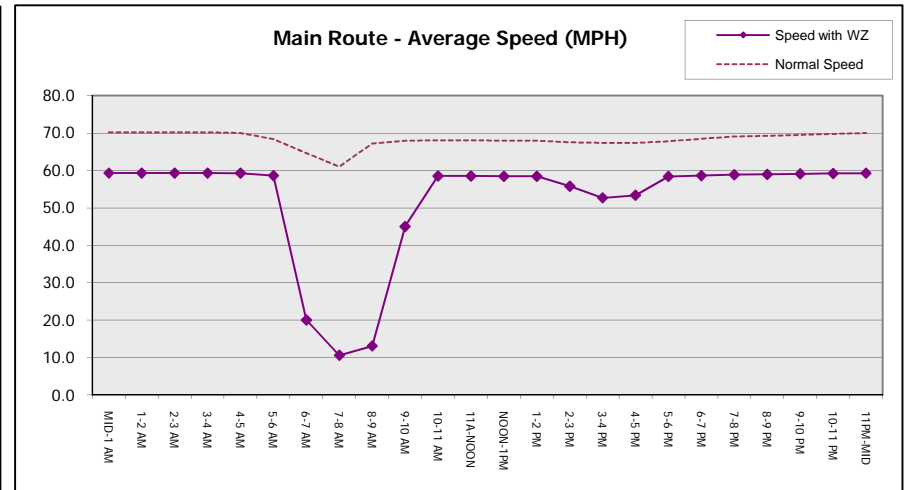
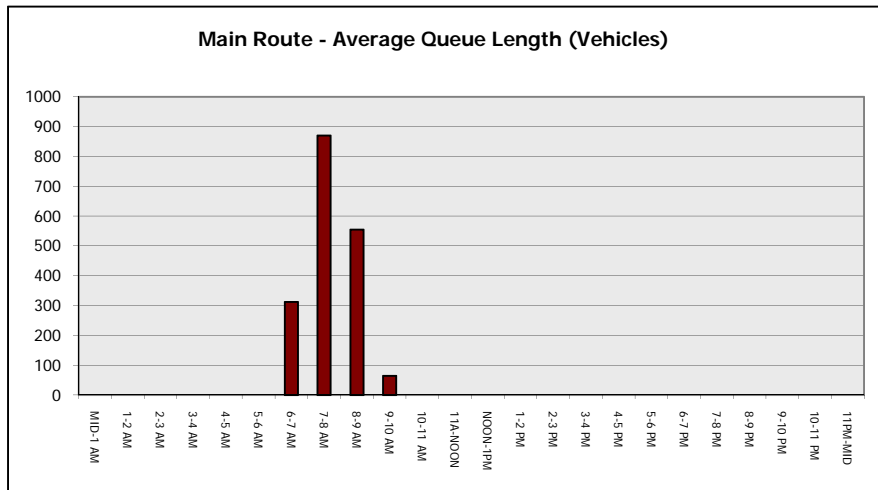
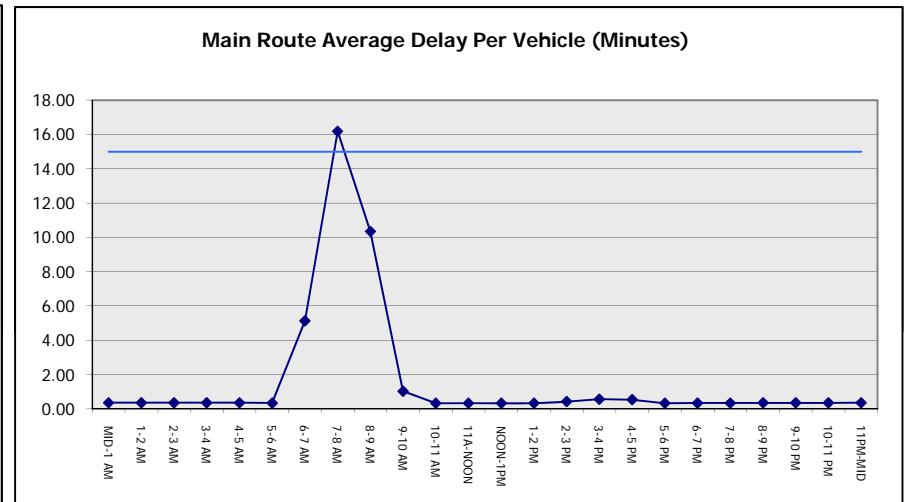
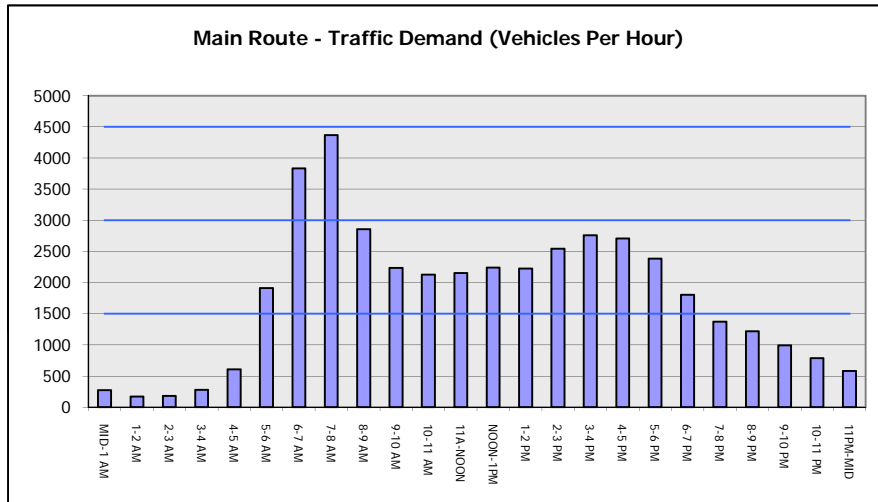
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$30,340
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
 CONTINUOUS (24 HOUR) 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) 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			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	354	0.0	24	0.0	3000	354	0	24	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	216	0.0	14	0.0	3000	216	0	14	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	179	0.0	12	0.0	3000	179	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	197	0.0	13	0.0	3000	197	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	451	0.0	30	0.0	3000	451	0	30	0.36	0	70.2	59.3	49.7	24.6	24.6
5-6 AM	1163	0.0	78	0.0	3000	1163	0	78	0.35	0	69.3	59.0	49.7	24.2	24.2
6-7 AM	2018	0.0	136	0.0	3000	2018	0	136	0.33	0	68.2	58.6	49.7	23.8	23.8
7-8 AM	2086	0.0	140	0.0	3000	2086	0	140	0.33	0	68.1	58.5	49.7	23.8	23.8
8-9 AM	1836	0.0	124	0.0	3000	1836	0	124	0.34	0	68.4	58.6	49.7	23.9	23.9
9-10 AM	1729	0.0	116	0.0	3000	1729	0	116	0.34	0	68.6	58.7	49.7	24.0	24.0
10-11 AM	1841	0.0	124	0.0	3000	1841	0	124	0.34	0	68.4	58.6	49.7	23.9	23.9
11A-NOON	2000	0.0	135	0.0	3000	2000	0	135	0.33	0	68.2	58.6	49.7	23.8	23.8
NOON-1PM	2087	0.0	140	0.0	3000	2087	0	140	0.33	0	68.1	58.5	49.7	23.8	23.8
1-2 PM	2290	0.0	154	0.0	2999	2290	0	154	0.34	0	67.9	58.2	49.4	23.7	23.7
2-3 PM	3008	0.0	202	0.0	2999	3008	0	202	1.02	22	67.0	44.8	38.6	23.3	23.3
3-4 PM	3696	0.0	248	0.0	3000	3543	153	401	6.65	365	65.6	16.8	37.3	22.9	22.3
4-5 PM	4428	0.0	297	0.0	2999	3347	1080	1378+	15.61	842	60.6	10.7	37.3	22.5	16.5
5-6 PM	4022	0.0	271	0.0	2999	2789	1233	1504+	17.21	920	63.4	10.4	37.3	22.8	15.6
6-7 PM	2344	0.0	157	0.0	2999	2143	201	359	4.68	350	67.8	22.0	44.6	23.7	22.7
7-8 PM	1609	0.0	108	0.0	3000	1609	0	108	0.34	0	68.7	58.7	49.7	24.0	24.0
8-9 PM	1357	0.0	92	0.0	3000	1357	0	92	0.35	0	69.1	58.9	49.7	24.2	24.2
9-10 PM	1158	0.0	78	0.0	3000	1158	0	78	0.35	0	69.3	59.0	49.7	24.2	24.2
10-11 PM	1016	0.0	68	0.0	3000	1016	0	68	0.35	0	69.5	59.1	49.7	24.3	24.3
11PM-MID	645	0.0	43	0.0	3000	645	0	43	0.36	0	69.9	59.2	49.7	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	0.0117
DIVERSION	0.0264

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$42,054
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
 CONTINUOUS (24 HOUR) 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 NORTHBOUND DIRECTION

