

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

FRIDAY 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	390	0.0	26	0.0	3000	390	0	26	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	234	0.0	15	0.0	3000	234	0	15	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	211	0.0	14	0.0	3000	211	0	14	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	282	0.0	19	0.0	3000	282	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	596	0.0	40	0.0	3000	596	0	40	0.36	0	70.0	59.2	49.7	24.5	24.5
5-6 AM	1743	0.0	117	0.0	3000	1743	0	117	0.34	0	68.6	58.7	49.7	24.0	24.0
6-7 AM	3455	0.0	233	0.0	2999	3455	0	233	2.78	157	66.4	28.4	37.3	23.0	23.0
7-8 AM	3991	0.0	269	0.0	2999	3264	727	995	12.51	660	63.6	11.8	37.3	22.8	18.9
8-9 AM	2719	0.0	182	0.0	2999	2482	237	419	8.29	439	67.4	14.7	38.3	23.4	22.4
9-10 AM	2294	0.0	154	0.0	3000	2294	0	154	0.69	31	67.9	50.6	48.7	23.7	23.7
10-11 AM	2271	0.0	152	0.0	3000	2271	0	152	0.33	0	67.9	58.4	49.7	23.7	23.7
11A-NOON	2398	0.0	161	0.0	3000	2398	0	161	0.33	0	67.8	58.2	49.4	23.6	23.6
NOON-1PM	2506	0.0	169	0.0	3000	2506	0	169	0.41	0	67.6	56.4	46.7	23.5	23.5
1-2 PM	2516	0.0	169	0.0	3000	2516	0	169	0.41	0	67.6	56.3	46.5	23.5	23.5
2-3 PM	2766	0.0	186	0.0	3000	2766	0	186	0.58	0	67.3	52.5	41.2	23.4	23.4
3-4 PM	2978	0.0	200	0.0	3000	2978	0	200	0.71	0	67.0	49.7	37.6	23.3	23.3
4-5 PM	2797	0.0	188	0.0	3000	2797	0	188	0.60	0	67.3	52.1	40.6	23.4	23.4
5-6 PM	2611	0.0	175	0.0	3000	2611	0	175	0.47	0	67.5	54.8	44.3	23.5	23.5
6-7 PM	2146	0.0	144	0.0	3000	2146	0	144	0.33	0	68.1	58.5	49.7	23.7	23.7
7-8 PM	1576	0.0	106	0.0	3000	1576	0	106	0.34	0	68.7	58.7	49.7	24.0	24.0
8-9 PM	1294	0.0	86	0.0	3000	1294	0	86	0.35	0	69.1	58.9	49.7	24.2	24.2
9-10 PM	1198	0.0	80	0.0	3000	1198	0	80	0.35	0	69.2	58.9	49.7	24.2	24.2
10-11 PM	981	0.0	66	0.0	3000	981	0	66	0.35	0	69.5	59.1	49.7	24.3	24.3
11PM-MID	810	0.0	55	0.0	3000	810	0	55	0.35	0	69.7	59.1	49.7	24.4	24.4

----- 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	0.0164
MAIN ROUTE WITH WORKS	0.0131
DIVERSION	0.0191

PIA: Personal Injury Accidents

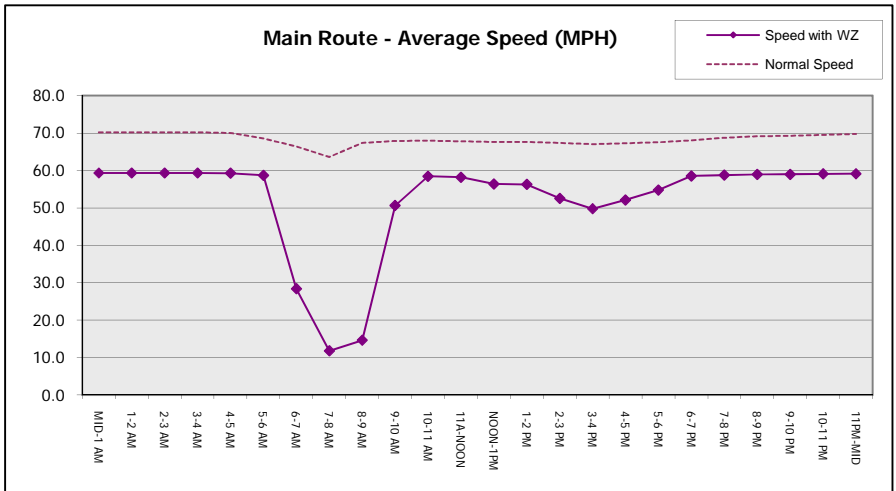
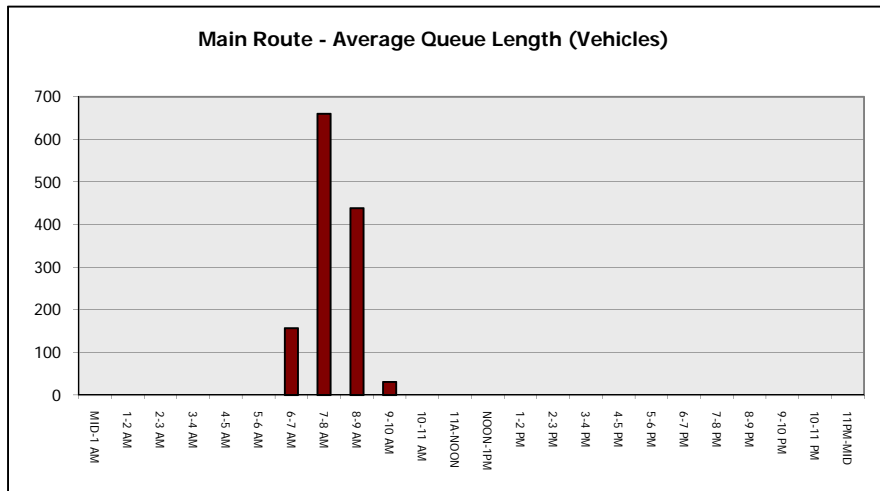
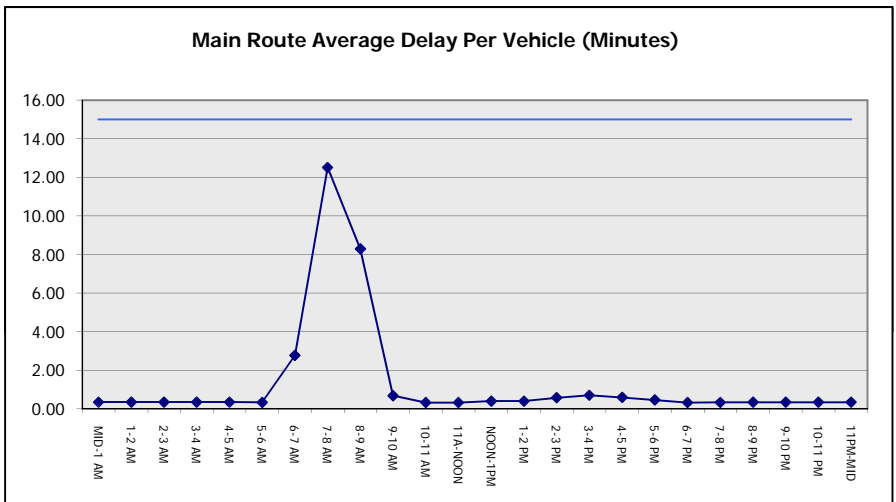
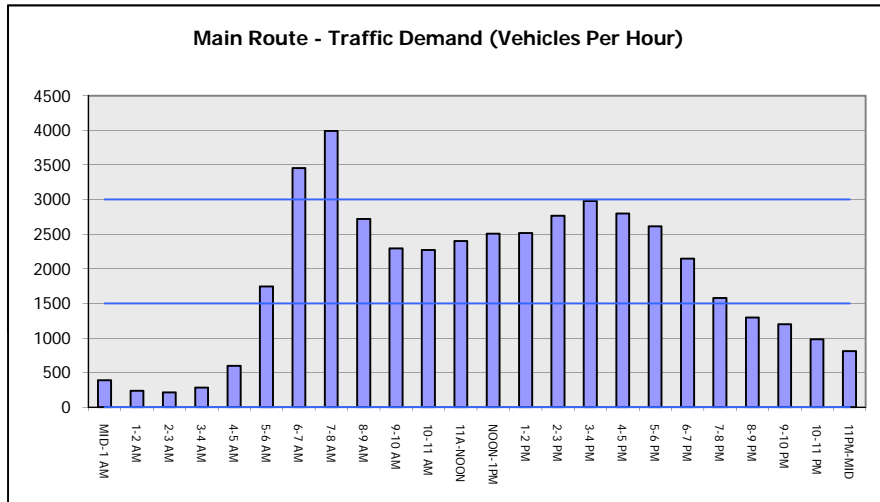
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$22,866
CONGESTED HOURS PER DAY*	0

*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
FRIDAY 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

FRIDAY 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	398	0.0	27	0.0	3000	398	0	27	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	267	0.0	17	0.0	3000	267	0	17	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	251	0.0	16	0.0	3000	251	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	225	0.0	15	0.0	3000	225	0	15	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	458	0.0	31	0.0	3000	458	0	31	0.36	0	70.2	59.3	49.7	24.6	24.6
5-6 AM	1144	0.0	77	0.0	3000	1144	0	77	0.35	0	69.3	59.0	49.7	24.2	24.2
6-7 AM	2004	0.0	135	0.0	3000	2004	0	135	0.33	0	68.2	58.6	49.7	23.8	23.8
7-8 AM	2091	0.0	141	0.0	3000	2091	0	141	0.33	0	68.1	58.5	49.7	23.8	23.8
8-9 AM	1946	0.0	131	0.0	3000	1946	0	131	0.34	0	68.3	58.6	49.7	23.8	23.8
9-10 AM	1996	0.0	134	0.0	3000	1996	0	134	0.33	0	68.2	58.6	49.7	23.8	23.8
10-11 AM	2227	0.0	149	0.0	3000	2227	0	149	0.33	0	67.9	58.4	49.7	23.7	23.7
11A-NOON	2584	0.0	174	0.0	3000	2584	0	174	0.46	0	67.5	55.2	44.9	23.5	23.5
NOON-1PM	2824	0.0	189	0.0	2999	2824	0	189	0.61	0	67.3	51.7	40.2	23.4	23.4
1-2 PM	2937	0.0	198	0.0	2999	2937	0	198	0.76	5	67.1	49.0	38.6	23.3	23.3
2-3 PM	3664	0.0	246	0.0	3000	3595	69	315	5.25	300	65.8	19.6	37.3	23.0	22.9
3-4 PM	4173	0.0	280	0.0	2999	3244	929	1209+	14.05	748	62.3	11.2	37.3	22.7	17.6
4-5 PM	4545	0.0	306	0.0	3000	3233	1312	1617+	18.43	999	59.8	10.1	37.3	22.5	15.0
5-6 PM	4218	0.0	283	0.0	2999	2827	1391	1674+	19.31	1039	62.0	9.9	37.3	22.7	14.7
6-7 PM	2900	0.0	195	0.0	2999	2397	503	697	10.58	565	67.1	12.9	37.5	23.3	20.8
7-8 PM	2033	0.0	137	0.0	3000	2033	0	137	0.94	61	68.2	46.5	49.2	23.8	23.8
8-9 PM	1691	0.0	113	0.0	3000	1691	0	113	0.34	0	68.6	58.7	49.7	24.0	24.0
9-10 PM	1555	0.0	105	0.0	3000	1555	0	105	0.34	0	68.8	58.7	49.7	24.0	24.0
10-11 PM	1457	0.0	98	0.0	3000	1457	0	98	0.34	0	68.9	58.8	49.7	24.1	24.1
11PM-MID	972	0.0	65	0.0	3000	972	0	65	0.35	0	69.6	59.1	49.7	24.3	24.3

+ 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	0.0178
MAIN ROUTE WITH WORKS	0.0133
DIVERSION	0.0360

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$67,112
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
FRIDAY NORTHBOUND DIRECTION

