

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

OCTOBER

Analyzed for 2009
Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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	411	0.0	28	0.0	3000	411	0	28	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	224	0.0	15	0.0	3000	224	0	15	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	176	0.0	12	0.0	3000	176	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	190	0.0	12	0.0	3000	190	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	269	0.0	19	0.0	3000	269	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
5-6 AM	553	0.0	37	0.0	3000	553	0	37	0.36	0	70.0	59.3	49.7	24.5	24.5
6-7 AM	857	0.0	58	0.0	3000	857	0	58	0.35	0	69.7	59.1	49.7	24.4	24.4
7-8 AM	1188	0.0	80	0.0	3000	1188	0	80	0.35	0	69.2	58.9	49.7	24.2	24.2
8-9 AM	1534	0.0	103	0.0	3000	1534	0	103	0.34	0	68.8	58.8	49.7	24.0	24.0
9-10 AM	1871	0.0	126	0.0	3000	1871	0	126	0.34	0	68.4	58.6	49.7	23.8	23.8
10-11 AM	2106	0.0	141	0.0	3000	2106	0	141	0.33	0	68.1	58.5	49.7	23.8	23.8
11A-NOON	2288	0.0	153	0.0	3000	2288	0	153	0.33	0	67.9	58.4	49.7	23.7	23.7
NOON-1PM	2330	0.0	157	0.0	3000	2330	0	157	0.33	0	67.8	58.4	49.7	23.7	23.7
1-2 PM	2233	0.0	150	0.0	3000	2233	0	150	0.33	0	67.9	58.4	49.7	23.7	23.7
2-3 PM	2271	0.0	152	0.0	3000	2271	0	152	0.33	0	67.9	58.4	49.7	23.7	23.7
3-4 PM	2243	0.0	150	0.0	3000	2243	0	150	0.33	0	67.9	58.4	49.7	23.7	23.7
4-5 PM	2295	0.0	154	0.0	3000	2295	0	154	0.33	0	67.9	58.4	49.7	23.7	23.7
5-6 PM	2180	0.0	146	0.0	3000	2180	0	146	0.33	0	68.0	58.4	49.7	23.7	23.7
6-7 PM	1953	0.0	131	0.0	3000	1953	0	131	0.34	0	68.3	58.6	49.7	23.8	23.8
7-8 PM	1525	0.0	103	0.0	3000	1525	0	103	0.34	0	68.9	58.8	49.7	24.0	24.0
8-9 PM	1223	0.0	82	0.0	3000	1223	0	82	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	1154	0.0	77	0.0	3000	1154	0	77	0.35	0	69.3	59.0	49.7	24.2	24.2
10-11 PM	873	0.0	59	0.0	3000	873	0	59	0.35	0	69.7	59.1	49.7	24.4	24.4
11PM-MID	678	0.0	45	0.0	3000	678	0	45	0.36	0	69.9	59.2	49.7	24.5	24.5

----- 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	0.0119
MAIN ROUTE WITH WORKS	0.0098
DIVERSION	0.0106

PIA: Personal Injury Accidents

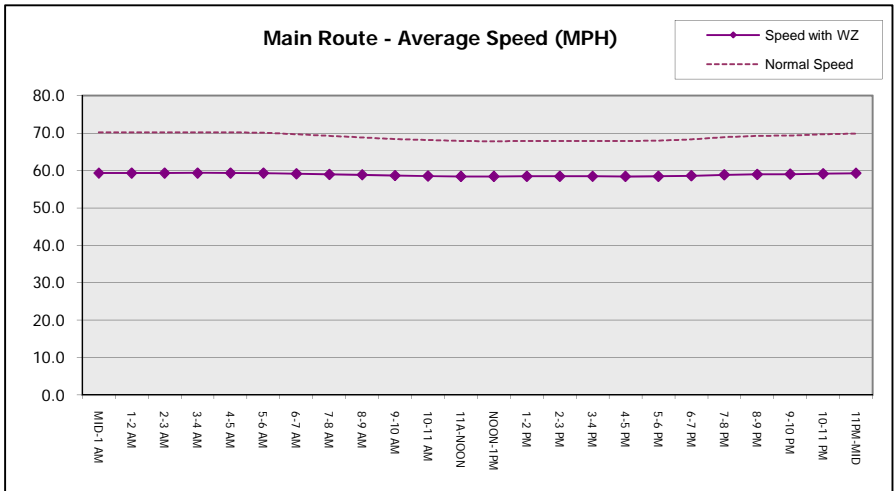
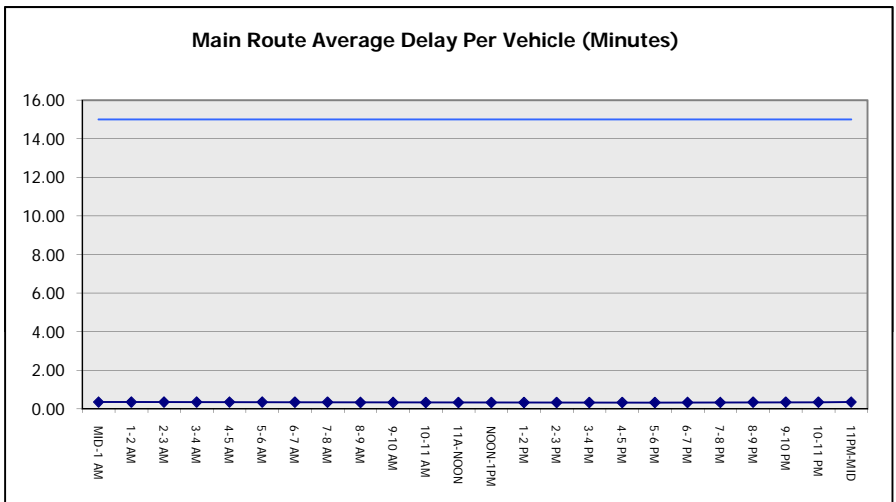
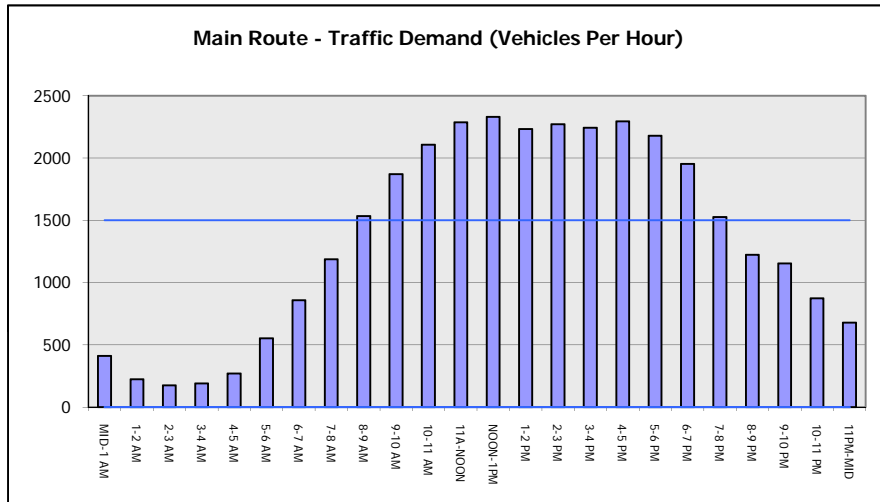
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,679
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY 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	OCTOBER
	Analyzed for 2009 Construction Season

SUMMARY OF TRAFFIC MODEL OUTPUT

SATURDAY 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		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	467	0.0		31	0.0	3000	467	0	31	0.36	0	70.2	59.3	49.7	24.6	24.6
1-2 AM	296	0.0		20	0.0	3000	296	0	20	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	239	0.0		16	0.0	3000	239	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	199	0.0		13	0.0	3000	199	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	312	0.0		21	0.0	3000	312	0	21	0.36	0	70.2	59.3	49.7	24.7	24.7
5-6 AM	551	0.0		37	0.0	3000	551	0	37	0.36	0	70.0	59.3	49.7	24.5	24.5
6-7 AM	841	0.0		57	0.0	3000	841	0	57	0.35	0	69.7	59.1	49.7	24.4	24.4
7-8 AM	1151	0.0		77	0.0	3000	1151	0	77	0.35	0	69.3	59.0	49.7	24.2	24.2
8-9 AM	1564	0.0		105	0.0	3000	1564	0	105	0.34	0	68.8	58.7	49.7	24.0	24.0
9-10 AM	1879	0.0		127	0.0	3000	1879	0	127	0.34	0	68.4	58.6	49.7	23.8	23.8
10-11 AM	2176	0.0		146	0.0	3000	2176	0	146	0.33	0	68.0	58.4	49.7	23.7	23.7
11A-NOON	2361	0.0		159	0.0	3000	2361	0	159	0.33	0	67.8	58.4	49.7	23.6	23.6
NOON-1PM	2426	0.0		163	0.0	3000	2426	0	163	0.35	0	67.7	57.7	48.6	23.6	23.6
1-2 PM	2414	0.0		163	0.0	3000	2414	0	163	0.35	0	67.8	57.9	49.0	23.6	23.6
2-3 PM	2373	0.0		160	0.0	3000	2373	0	160	0.33	0	67.8	58.4	49.7	23.6	23.6
3-4 PM	2443	0.0		164	0.0	3000	2443	0	164	0.36	0	67.7	57.4	48.3	23.6	23.6
4-5 PM	2285	0.0		153	0.0	3000	2285	0	153	0.33	0	67.9	58.4	49.7	23.7	23.7
5-6 PM	2047	0.0		138	0.0	3000	2047	0	138	0.33	0	68.2	58.5	49.7	23.8	23.8
6-7 PM	1780	0.0		119	0.0	3000	1780	0	119	0.34	0	68.5	58.7	49.7	23.9	23.9
7-8 PM	1434	0.0		97	0.0	3000	1434	0	97	0.34	0	68.9	58.8	49.7	24.1	24.1
8-9 PM	1236	0.0		83	0.0	3000	1236	0	83	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	1142	0.0		77	0.0	3000	1142	0	77	0.35	0	69.3	59.0	49.7	24.2	24.2
10-11 PM	956	0.0		64	0.0	3000	956	0	64	0.35	0	69.6	59.1	49.7	24.3	24.3
11PM-MID	700	0.0		47	0.0	3000	700	0	47	0.36	0	69.9	59.2	49.7	24.5	24.5

----- 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	0.0122
MAIN ROUTE WITH WORKS	0.0100
DIVERSION	0.0108

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,774
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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SATURDAY NORTHBOUND DIRECTION

