

<b>USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)</b> <b>CONTINUOUS (24 HOUR) CLOSURE</b> <b>DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>AUGUST</b>
	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	3000	513	0	34	0.36	0	70.1	59.3	49.7	24.6	24.6
1-2 AM	376	0.0	26	0.0	3000	376	0	26	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	209	0.0	14	0.0	3000	209	0	14	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	149	0.0	10	0.0	3000	149	0	10	0.36	0	70.2	59.3	49.7	24.8	24.8
4-5 AM	171	0.0	11	0.0	3000	171	0	11	0.36	0	70.2	59.3	49.7	24.8	24.8
5-6 AM	264	0.0	17	0.0	3000	264	0	17	0.36	0	70.2	59.3	49.7	24.7	24.7
6-7 AM	497	0.0	33	0.0	3000	497	0	33	0.36	0	70.1	59.3	49.7	24.6	24.6
7-8 AM	589	0.0	39	0.0	3000	589	0	39	0.36	0	70.0	59.2	49.7	24.5	24.5
8-9 AM	958	0.0	65	0.0	3000	958	0	65	0.35	0	69.6	59.1	49.7	24.3	24.3
9-10 AM	1472	0.0	99	0.0	3000	1472	0	99	0.34	0	68.9	58.8	49.7	24.1	24.1
10-11 AM	2092	0.0	141	0.0	3000	2092	0	141	0.33	0	68.1	58.5	49.7	23.8	23.8
11A-NOON	2529	0.0	170	0.0	3000	2529	0	170	0.42	0	67.6	56.0	46.1	23.5	23.5
NOON-1PM	2698	0.0	181	0.0	3000	2698	0	181	0.53	0	67.4	53.5	42.5	23.5	23.5
1-2 PM	2654	0.0	178	0.0	3000	2654	0	178	0.50	0	67.4	54.2	43.4	23.5	23.5
2-3 PM	2827	0.0	190	0.0	3000	2827	0	190	0.62	0	67.2	51.7	40.1	23.3	23.3
3-4 PM	2638	0.0	177	0.0	3000	2638	0	177	0.49	0	67.4	54.3	43.7	23.5	23.5
4-5 PM	2673	0.0	180	0.0	3000	2673	0	180	0.52	0	67.4	53.8	43.0	23.5	23.5
5-6 PM	2551	0.0	172	0.0	3000	2551	0	172	0.44	0	67.6	55.7	45.6	23.5	23.5
6-7 PM	2243	0.0	150	0.0	3000	2243	0	150	0.33	0	67.9	58.4	49.7	23.7	23.7
7-8 PM	1921	0.0	129	0.0	3000	1921	0	129	0.34	0	68.4	58.6	49.7	23.8	23.8
8-9 PM	1605	0.0	108	0.0	3000	1605	0	108	0.34	0	68.7	58.7	49.7	24.0	24.0
9-10 PM	1122	0.0	75	0.0	3000	1122	0	75	0.35	0	69.4	59.0	49.7	24.3	24.3
10-11 PM	801	0.0	54	0.0	3000	801	0	54	0.35	0	69.7	59.2	49.7	24.4	24.4
11PM-MID	396	0.0	27	0.0	3000	396	0	27	0.36	0	70.2	59.3	49.7	24.7	24.7

*----- 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		0.0124
MAIN ROUTE WITH WORKS		0.0102
DIVERSION		0.0110

PIA: Personal Injury Accidents

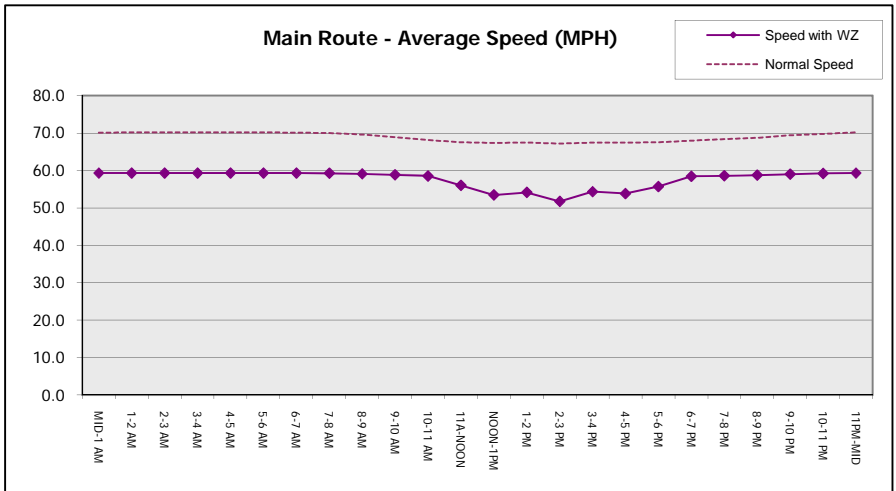
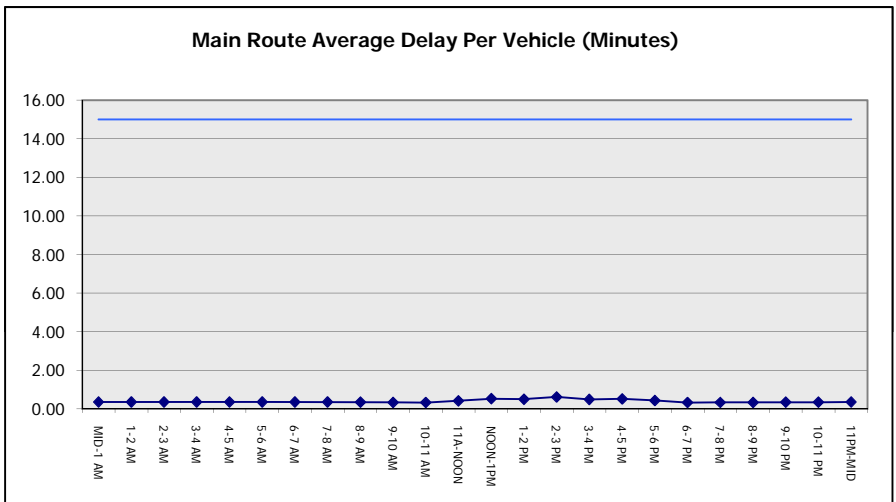
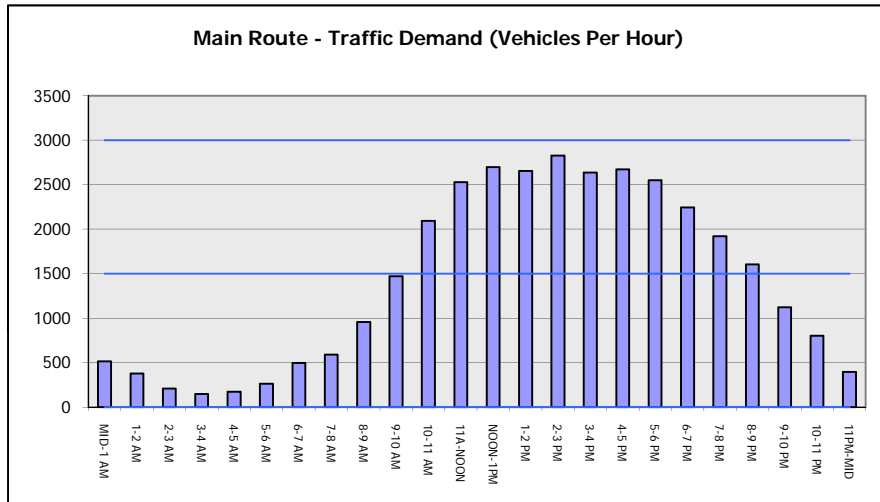
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$3,669
CONGESTED HOURS PER DAY*	0

\*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**  
**SUNDAY SOUTHBOUND DIRECTION**



<b>USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

SUNDAY 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	536	0.0	36	0.0	3000	536	0	36	0.36	0	70.0	59.3	49.7	24.6	24.6
1-2 AM	335	0.0	23	0.0	3000	335	0	23	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	145	0.0	9	0.0	3000	145	0	9	0.36	0	70.2	59.3	49.7	24.8	24.8
4-5 AM	118	0.0	8	0.0	3000	118	0	8	0.36	0	70.2	59.3	49.7	24.8	24.8
5-6 AM	243	0.0	16	0.0	3000	243	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
6-7 AM	387	0.0	26	0.0	3000	387	0	26	0.36	0	70.2	59.3	49.7	24.7	24.7
7-8 AM	597	0.0	40	0.0	3000	597	0	40	0.36	0	70.0	59.2	49.7	24.5	24.5
8-9 AM	851	0.0	58	0.0	3000	851	0	58	0.35	0	69.7	59.1	49.7	24.4	24.4
9-10 AM	1240	0.0	83	0.0	3000	1240	0	83	0.35	0	69.2	58.9	49.7	24.2	24.2
10-11 AM	1624	0.0	109	0.0	3000	1624	0	109	0.34	0	68.7	58.7	49.7	24.0	24.0
11A-NOON	1878	0.0	127	0.0	3000	1878	0	127	0.34	0	68.4	58.6	49.7	23.8	23.8
NOON-1PM	2070	0.0	139	0.0	3000	2070	0	139	0.33	0	68.2	58.5	49.7	23.8	23.8
1-2 PM	2112	0.0	142	0.0	3000	2112	0	142	0.33	0	68.1	58.5	49.7	23.7	23.7
2-3 PM	2050	0.0	138	0.0	3000	2050	0	138	0.33	0	68.2	58.5	49.7	23.8	23.8
3-4 PM	2083	0.0	140	0.0	3000	2083	0	140	0.33	0	68.1	58.5	49.7	23.8	23.8
4-5 PM	2272	0.0	152	0.0	3000	2272	0	152	0.33	0	67.9	58.4	49.7	23.7	23.7
5-6 PM	2080	0.0	140	0.0	3000	2080	0	140	0.33	0	68.1	58.5	49.7	23.8	23.8
6-7 PM	1681	0.0	113	0.0	3000	1681	0	113	0.34	0	68.6	58.7	49.7	24.0	24.0
7-8 PM	1392	0.0	94	0.0	3000	1392	0	94	0.34	0	69.0	58.9	49.7	24.1	24.1
8-9 PM	1149	0.0	77	0.0	3000	1149	0	77	0.35	0	69.3	59.0	49.7	24.2	24.2
9-10 PM	966	0.0	65	0.0	3000	966	0	65	0.35	0	69.6	59.1	49.7	24.3	24.3
10-11 PM	780	0.0	52	0.0	3000	780	0	52	0.35	0	69.7	59.2	49.7	24.5	24.5
11PM-MID	473	0.0	32	0.0	3000	473	0	32	0.36	0	70.2	59.3	49.7	24.6	24.6

*----- 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	0.0082
DIVERSION	0.0088

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$2,320
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**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

