

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

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	441	0.0	30	0.0	3000	441	0	30	0.36	0	70.2	59.3	49.7	24.6	24.6
1-2 AM	264	0.0	18	0.0	3000	264	0	18	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	199	0.0	13	0.0	3000	199	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	142	0.0	9	0.0	3000	142	0	9	0.36	0	70.2	59.3	49.7	24.8	24.8
4-5 AM	144	0.0	9	0.0	3000	144	0	9	0.36	0	70.2	59.3	49.7	24.8	24.8
5-6 AM	248	0.0	16	0.0	3000	248	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
6-7 AM	426	0.0	29	0.0	3000	426	0	29	0.36	0	70.2	59.3	49.7	24.6	24.6
7-8 AM	609	0.0	41	0.0	3000	609	0	41	0.36	0	70.0	59.2	49.7	24.5	24.5
8-9 AM	846	0.0	57	0.0	3000	846	0	57	0.35	0	69.7	59.1	49.7	24.4	24.4
9-10 AM	1385	0.0	93	0.0	3000	1385	0	93	0.34	0	69.0	58.9	49.7	24.2	24.2
10-11 AM	1781	0.0	119	0.0	3000	1781	0	119	0.34	0	68.5	58.7	49.7	23.9	23.9
11A-NOON	2167	0.0	145	0.0	3000	2167	0	145	0.33	0	68.1	58.4	49.7	23.7	23.7
NOON-1PM	2356	0.0	159	0.0	3000	2356	0	159	0.33	0	67.8	58.4	49.7	23.6	23.6
1-2 PM	2354	0.0	159	0.0	3000	2354	0	159	0.33	0	67.8	58.4	49.7	23.6	23.6
2-3 PM	2449	0.0	165	0.0	3000	2449	0	165	0.37	0	67.7	57.3	48.1	23.6	23.6
3-4 PM	2519	0.0	169	0.0	3000	2519	0	169	0.41	0	67.6	56.2	46.3	23.5	23.5
4-5 PM	2590	0.0	174	0.0	3000	2590	0	174	0.46	0	67.5	55.1	44.7	23.5	23.5
5-6 PM	2473	0.0	166	0.0	3000	2473	0	166	0.38	0	67.7	56.9	47.4	23.6	23.6
6-7 PM	2232	0.0	150	0.0	3000	2232	0	150	0.33	0	67.9	58.4	49.7	23.7	23.7
7-8 PM	1754	0.0	118	0.0	3000	1754	0	118	0.34	0	68.6	58.7	49.7	23.9	23.9
8-9 PM	1217	0.0	81	0.0	3000	1217	0	81	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	859	0.0	58	0.0	3000	859	0	58	0.35	0	69.7	59.1	49.7	24.4	24.4
10-11 PM	569	0.0	38	0.0	3000	569	0	38	0.36	0	70.0	59.2	49.7	24.5	24.5
11PM-MID	339	0.0	23	0.0	3000	339	0	23	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	0.0111
MAIN ROUTE WITH WORKS	0.0091
DIVERSION	0.0098

PIA: Personal Injury Accidents

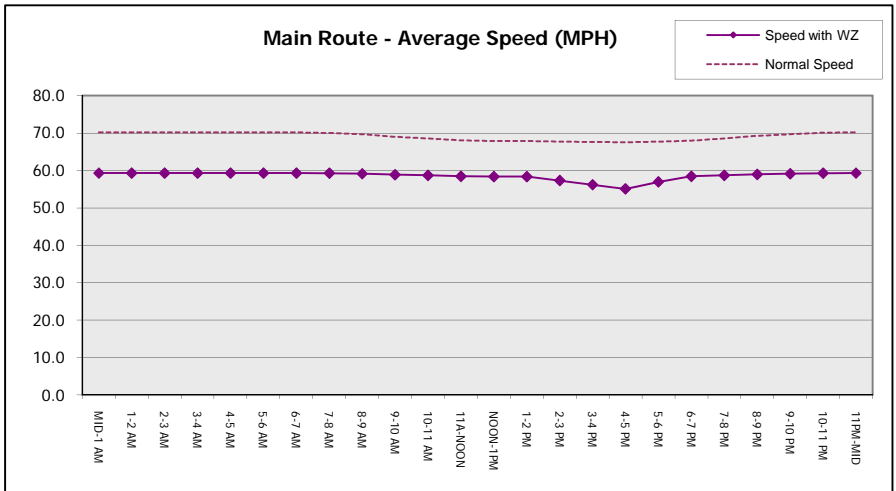
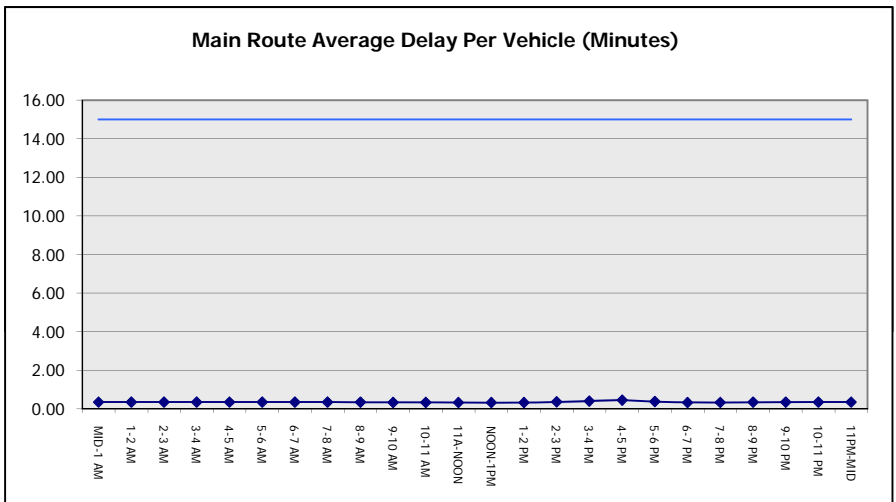
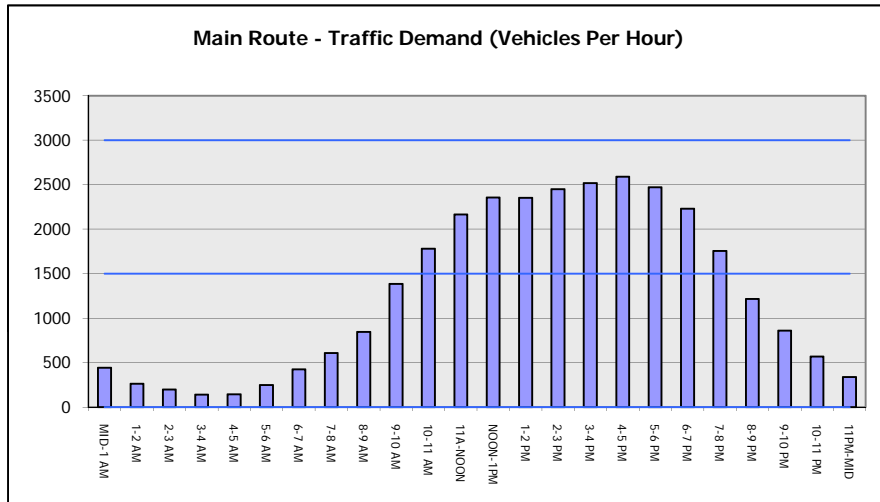
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,729
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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

OCTOBER
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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY 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
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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	475	0.0	32	0.0	3000	475	0	32	0.36	0	70.2	59.3	49.7	24.6	24.6
1-2 AM	276	0.0	19	0.0	3000	276	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	244	0.0	16	0.0	3000	244	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	163	0.0	11	0.0	3000	163	0	11	0.36	0	70.2	59.3	49.7	24.8	24.8
4-5 AM	153	0.0	10	0.0	3000	153	0	10	0.36	0	70.2	59.3	49.7	24.8	24.8
5-6 AM	294	0.0	20	0.0	3000	294	0	20	0.36	0	70.2	59.3	49.7	24.7	24.7
6-7 AM	375	0.0	25	0.0	3000	375	0	25	0.36	0	70.2	59.3	49.7	24.7	24.7
7-8 AM	621	0.0	42	0.0	3000	621	0	42	0.36	0	70.0	59.2	49.7	24.5	24.5
8-9 AM	895	0.0	60	0.0	3000	895	0	60	0.35	0	69.6	59.1	49.7	24.4	24.4
9-10 AM	1270	0.0	85	0.0	3000	1270	0	85	0.35	0	69.2	58.9	49.7	24.2	24.2
10-11 AM	1666	0.0	112	0.0	3000	1666	0	112	0.34	0	68.7	58.7	49.7	24.0	24.0
11A-NOON	2020	0.0	136	0.0	3000	2020	0	136	0.33	0	68.2	58.6	49.7	23.8	23.8
NOON-1PM	2186	0.0	147	0.0	3000	2186	0	147	0.33	0	68.0	58.4	49.7	23.7	23.7
1-2 PM	2149	0.0	144	0.0	3000	2149	0	144	0.33	0	68.1	58.5	49.7	23.7	23.7
2-3 PM	1988	0.0	134	0.0	3000	1988	0	134	0.33	0	68.2	58.6	49.7	23.8	23.8
3-4 PM	2132	0.0	143	0.0	3000	2132	0	143	0.33	0	68.1	58.5	49.7	23.7	23.7
4-5 PM	2035	0.0	137	0.0	3000	2035	0	137	0.33	0	68.2	58.6	49.7	23.8	23.8
5-6 PM	1762	0.0	118	0.0	3000	1762	0	118	0.34	0	68.6	58.7	49.7	23.9	23.9
6-7 PM	1539	0.0	103	0.0	3000	1539	0	103	0.34	0	68.8	58.8	49.7	24.0	24.0
7-8 PM	1191	0.0	80	0.0	3000	1191	0	80	0.35	0	69.2	58.9	49.7	24.2	24.2
8-9 PM	855	0.0	58	0.0	3000	855	0	58	0.35	0	69.7	59.1	49.7	24.4	24.4
9-10 PM	713	0.0	48	0.0	3000	713	0	48	0.36	0	69.9	59.2	49.7	24.5	24.5
10-11 PM	601	0.0	40	0.0	3000	601	0	40	0.36	0	70.0	59.2	49.7	24.5	24.5
11PM-MID	364	0.0	25	0.0	3000	364	0	25	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	0.0095
MAIN ROUTE WITH WORKS	0.0078
DIVERSION	0.0084

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$2,193
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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