

**USH 41/45: USH 41 & USH 45 TO CTH Q (WASHINGTON COUNTY)
NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

OCTOBER

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	247	0.0	16	0.0	1500	247	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
1-2 AM	173	0.0	11	0.0	1500	173	0	11	0.49	0	70.2	56.1	44.8	24.8	24.8
2-3 AM	183	0.0	12	0.0	1500	183	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	274	0.0	19	0.0	1500	274	0	19	0.51	0	70.2	55.8	44.4	24.7	24.7
4-5 AM	572	0.0	38	0.0	1500	572	0	38	0.54	0	70.0	55.0	43.2	24.5	24.5
5-6 AM	1987	0.0	134	0.0	OFF	1987	0	134	0.00	0	68.2	68.2	68.2	23.8	23.8
6-7 AM	4077	0.0	274	0.0	OFF	4077	0	274	0.00	0	63.0	63.0	63.0	22.7	22.7
7-8 AM	4358	0.0	294	0.0	OFF	4358	0	294	0.00	0	61.1	61.1	61.1	22.6	22.6
8-9 AM	2931	0.0	197	0.0	OFF	2931	0	197	0.00	0	67.1	67.1	67.1	23.3	23.3
9-10 AM	2103	0.0	141	0.0	OFF	2103	0	141	0.00	0	68.1	68.1	68.1	23.8	23.8
10-11 AM	1920	0.0	129	0.0	OFF	1920	0	129	0.00	0	68.4	68.4	68.4	23.8	23.8
11A-NOON	1979	0.0	133	0.0	OFF	1979	0	133	0.00	0	68.2	68.2	68.2	23.8	23.8
NOON-1PM	2072	0.0	139	0.0	OFF	2072	0	139	0.00	0	68.2	68.2	68.2	23.8	23.8
1-2 PM	2105	0.0	141	0.0	OFF	2105	0	141	0.00	0	68.1	68.1	68.1	23.8	23.8
2-3 PM	2435	0.0	164	0.0	OFF	2435	0	164	0.00	0	67.7	67.7	67.7	23.6	23.6
3-4 PM	2667	0.0	179	0.0	OFF	2667	0	179	0.00	0	67.4	67.4	67.4	23.5	23.5
4-5 PM	2621	0.0	176	0.0	OFF	2621	0	176	0.00	0	67.5	67.5	67.5	23.5	23.5
5-6 PM	2260	0.0	151	0.0	OFF	2260	0	151	0.00	0	67.9	67.9	67.9	23.7	23.7
6-7 PM	1748	0.0	117	0.0	OFF	1748	0	117	0.00	0	68.6	68.6	68.6	23.9	23.9
7-8 PM	1246	0.0	83	0.0	1500	1246	0	83	0.77	0	69.2	50.0	37.1	24.2	24.2
8-9 PM	1018	0.0	68	0.0	1500	1018	0	68	0.59	0	69.5	53.6	41.6	24.3	24.3
9-10 PM	892	0.0	60	0.0	1500	892	0	60	0.58	0	69.6	54.0	42.0	24.4	24.4
10-11 PM	694	0.0	46	0.0	1500	694	0	46	0.55	0	69.9	54.6	42.8	24.5	24.5
11PM-MID	514	0.0	35	0.0	1500	514	0	35	0.53	0	70.1	55.1	43.5	24.6	24.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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		0.0150
MAIN ROUTE WITH WORKS		0.0146
DIVERSION		0.0133

PIA: Personal Injury Accidents

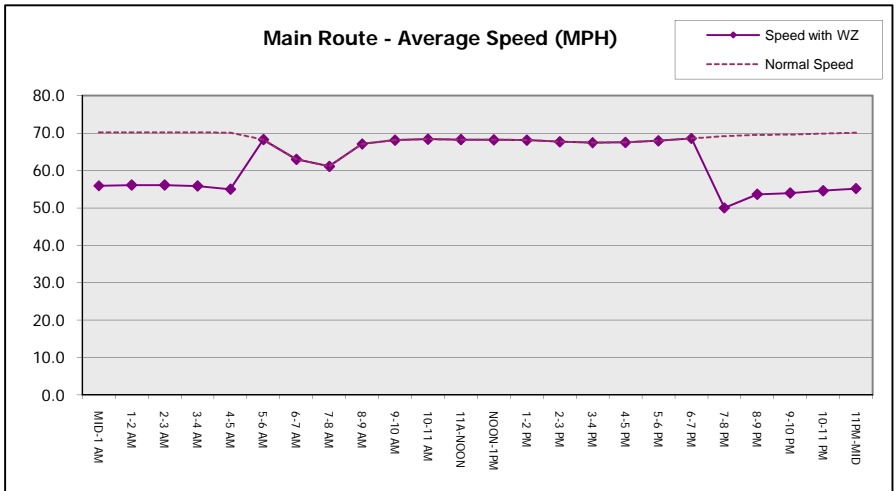
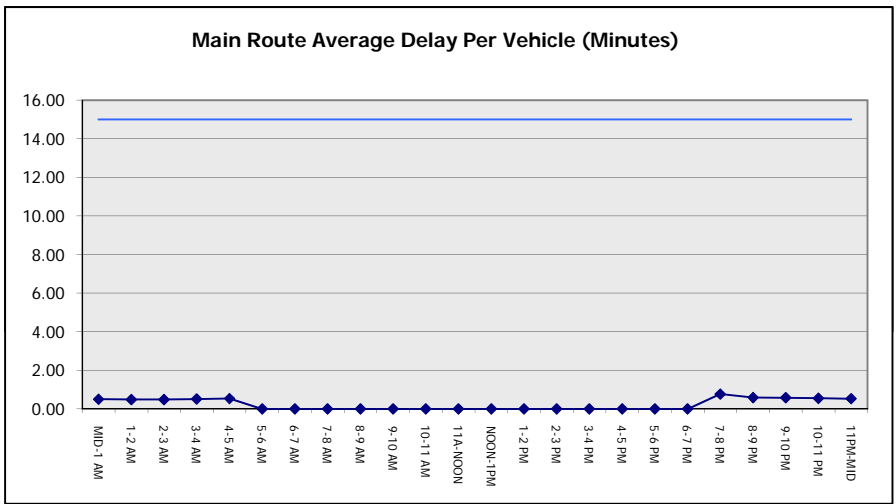
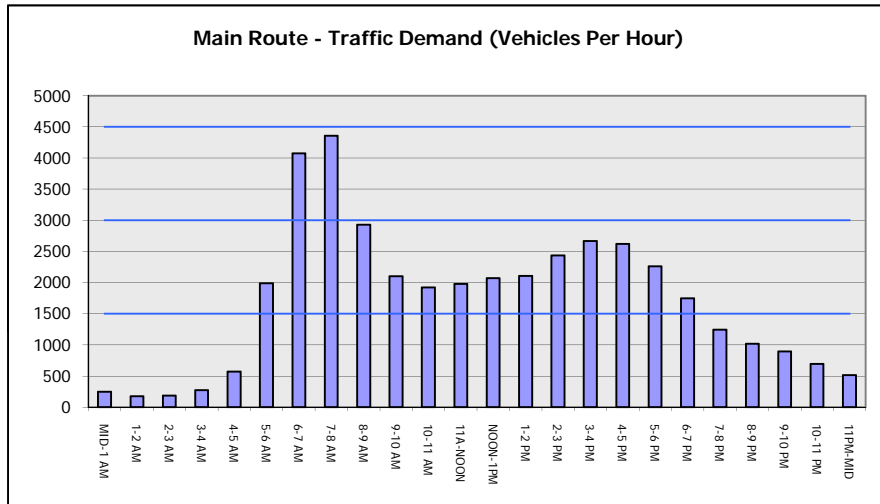
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$730
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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NIGHTTIME 2 LANE CLOSURE
DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR SOUTHBOUND DIRECTION



USH 41/45: USH 41 & USH 45 TO CTH Q (WASHINGTON COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	OCTOBER
	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						
	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	262	0.0	18	0.0	1500	262	0	18	0.50	0	70.2	55.8	44.4	24.7	24.7
1-2 AM	184	0.0	12	0.0	1500	184	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
2-3 AM	180	0.0	12	0.0	1500	180	0	12	0.49	0	70.2	56.1	44.8	24.7	24.7
3-4 AM	203	0.0	13	0.0	1500	203	0	13	0.50	0	70.2	56.0	44.6	24.7	24.7
4-5 AM	462	0.0	31	0.0	1500	462	0	31	0.53	0	70.2	55.3	43.7	24.6	24.6
5-6 AM	1194	0.0	80	0.0	OFF	1194	0	80	0.00	0	69.2	69.2	69.2	24.2	24.2
6-7 AM	2067	0.0	139	0.0	OFF	2067	0	139	0.00	0	68.2	68.2	68.2	23.8	23.8
7-8 AM	2099	0.0	141	0.0	OFF	2099	0	141	0.00	0	68.1	68.1	68.1	23.8	23.8
8-9 AM	1882	0.0	127	0.0	OFF	1882	0	127	0.00	0	68.4	68.4	68.4	23.8	23.8
9-10 AM	1636	0.0	110	0.0	OFF	1636	0	110	0.00	0	68.7	68.7	68.7	24.0	24.0
10-11 AM	1728	0.0	116	0.0	OFF	1728	0	116	0.00	0	68.6	68.6	68.6	24.0	24.0
11A-NOON	1905	0.0	128	0.0	OFF	1905	0	128	0.00	0	68.4	68.4	68.4	23.8	23.8
NOON-1PM	1999	0.0	134	0.0	OFF	1999	0	134	0.00	0	68.2	68.2	68.2	23.8	23.8
1-2 PM	2129	0.0	143	0.0	OFF	2129	0	143	0.00	0	68.1	68.1	68.1	23.7	23.7
2-3 PM	2917	0.0	196	0.0	OFF	2917	0	196	0.00	0	67.1	67.1	67.1	23.3	23.3
3-4 PM	3741	0.0	251	0.0	OFF	3741	0	251	0.00	0	65.3	65.3	65.3	22.9	22.9
4-5 PM	4370	0.0	294	0.0	OFF	4370	0	294	0.00	0	61.0	61.0	61.0	22.6	22.6
5-6 PM	3973	0.0	267	0.0	OFF	3973	0	267	0.00	0	63.7	63.7	63.7	22.8	22.8
6-7 PM	2330	0.0	157	0.0	OFF	2330	0	157	0.00	0	67.8	67.8	67.8	23.7	23.7
7-8 PM	1498	0.0	101	0.0	1499	1498	0	101	2.29	33	68.9	32.1	31.6	24.1	24.1
8-9 PM	1232	0.0	82	0.0	1500	1232	0	82	0.75	0	69.2	50.3	37.4	24.2	24.2
9-10 PM	1074	0.0	72	0.0	1500	1074	0	72	0.59	0	69.4	53.4	41.4	24.3	24.3
10-11 PM	829	0.0	56	0.0	1500	829	0	56	0.57	0	69.7	54.2	42.3	24.4	24.4
11PM-MID	506	0.0	34	0.0	1500	506	0	34	0.53	0	70.1	55.1	43.5	24.6	24.6

"OFF" INDICATES NO ROAD WORK (ALL LANES OPEN TO TRAFFIC)

----- 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	0.0148
MAIN ROUTE WITH WORKS	0.0144
DIVERSION	0.0131

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,340
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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MON-THUR NORTHBOUND DIRECTION

