

USH 41/45: USH 41 & USH 45 TO CTH Q (WASHINGTON COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	AUGUST
	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	1500	513	0	34	0.53	0	70.1	55.1	43.5	24.6	24.6
1-2 AM	376	0.0	26	0.0	1500	376	0	26	0.52	0	70.2	55.5	44.0	24.7	24.7
2-3 AM	209	0.0	14	0.0	1500	209	0	14	0.50	0	70.2	56.0	44.6	24.7	24.7
3-4 AM	149	0.0	10	0.0	1500	149	0	10	0.49	0	70.2	56.1	44.9	24.8	24.8
4-5 AM	171	0.0	11	0.0	1500	171	0	11	0.49	0	70.2	56.1	44.8	24.8	24.8
5-6 AM	264	0.0	17	0.0	1500	264	0	17	0.50	0	70.2	55.8	44.4	24.7	24.7
6-7 AM	497	0.0	33	0.0	1500	497	0	33	0.53	0	70.1	55.1	43.5	24.6	24.6
7-8 AM	589	0.0	39	0.0	1500	589	0	39	0.54	0	70.0	54.9	43.2	24.5	24.5
8-9 AM	958	0.0	65	0.0	1499	958	0	65	0.58	0	69.6	53.8	41.9	24.3	24.3
9-10 AM	1472	0.0	99	0.0	OFF	1472	0	99	0.00	0	68.9	68.9	68.9	24.1	24.1
10-11 AM	2092	0.0	141	0.0	OFF	2092	0	141	0.00	0	68.1	68.1	68.1	23.8	23.8
11A-NOON	2529	0.0	170	0.0	OFF	2529	0	170	0.00	0	67.6	67.6	67.6	23.5	23.5
NOON-1PM	2698	0.0	181	0.0	OFF	2698	0	181	0.00	0	67.4	67.4	67.4	23.5	23.5
1-2 PM	2654	0.0	178	0.0	OFF	2654	0	178	0.00	0	67.4	67.4	67.4	23.5	23.5
2-3 PM	2827	0.0	190	0.0	OFF	2827	0	190	0.00	0	67.2	67.2	67.2	23.3	23.3
3-4 PM	2638	0.0	177	0.0	OFF	2638	0	177	0.00	0	67.4	67.4	67.4	23.5	23.5
4-5 PM	2673	0.0	180	0.0	OFF	2673	0	180	0.00	0	67.4	67.4	67.4	23.5	23.5
5-6 PM	2551	0.0	172	0.0	OFF	2551	0	172	0.00	0	67.6	67.6	67.6	23.5	23.5
6-7 PM	2243	0.0	150	0.0	OFF	2243	0	150	0.00	0	67.9	67.9	67.9	23.7	23.7
7-8 PM	1921	0.0	129	0.0	1499	1720	200	329	7.44	176	68.4	14.6	30.8	23.8	22.3
8-9 PM	1605	0.0	108	0.0	1500	1466	139	247	8.71	199	68.7	12.9	30.8	24.0	22.9
9-10 PM	1122	0.0	75	0.0	1499	1122	0	75	1.95	60	69.4	35.0	37.5	24.3	24.3
10-11 PM	801	0.0	54	0.0	1500	801	0	54	0.57	0	69.7	54.2	42.4	24.4	24.4
11PM-MID	396	0.0	27	0.0	1500	396	0	27	0.52	0	70.2	55.5	43.9	24.7	24.7

"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		0.0124
MAIN ROUTE WITH WORKS		0.0117
DIVERSION		0.0126

PIA: Personal Injury Accidents

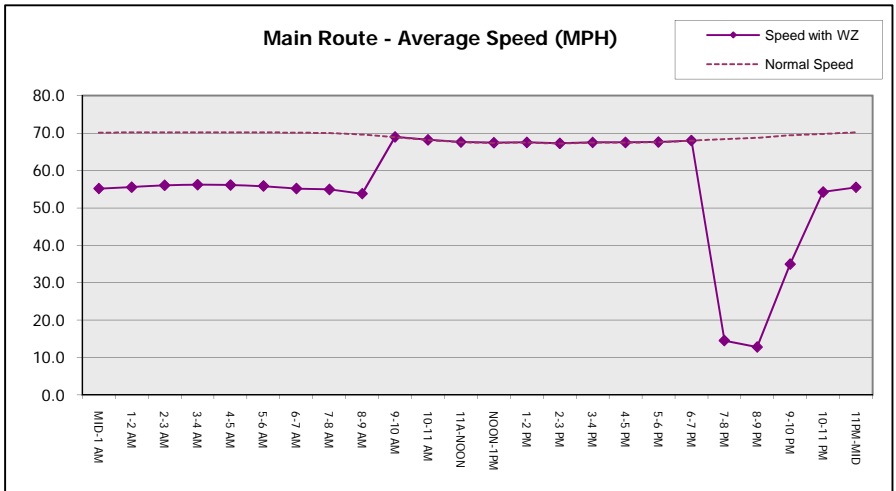
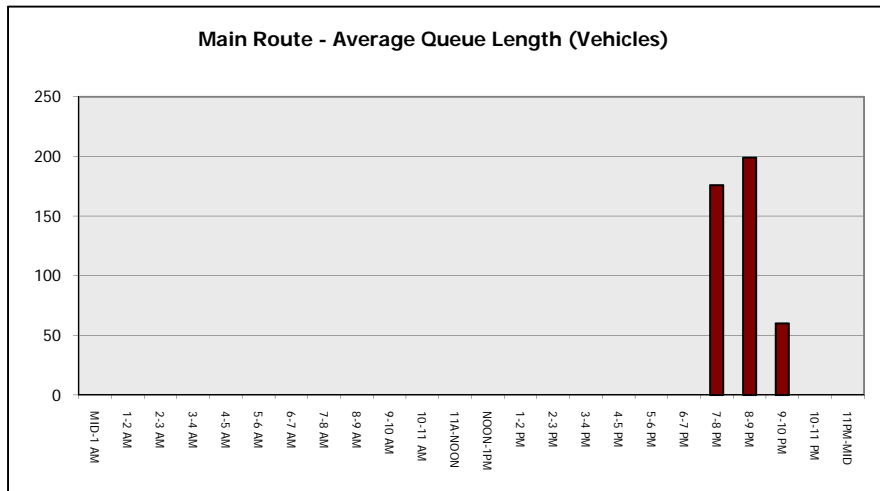
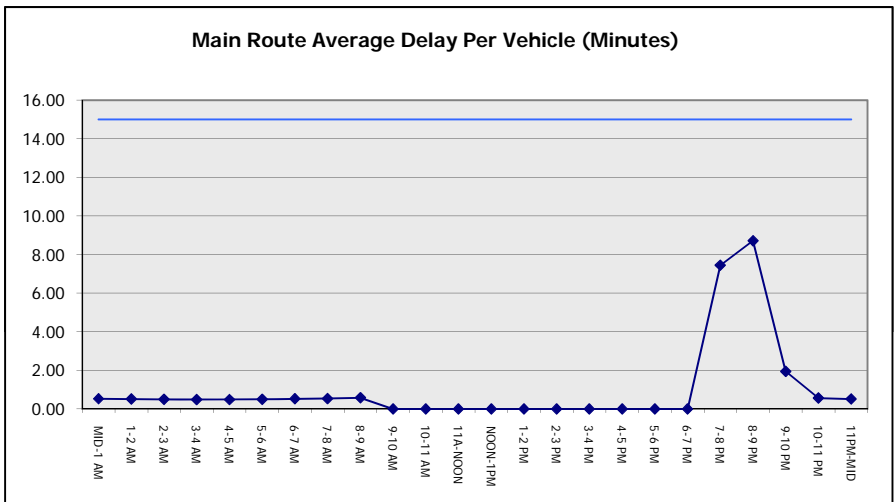
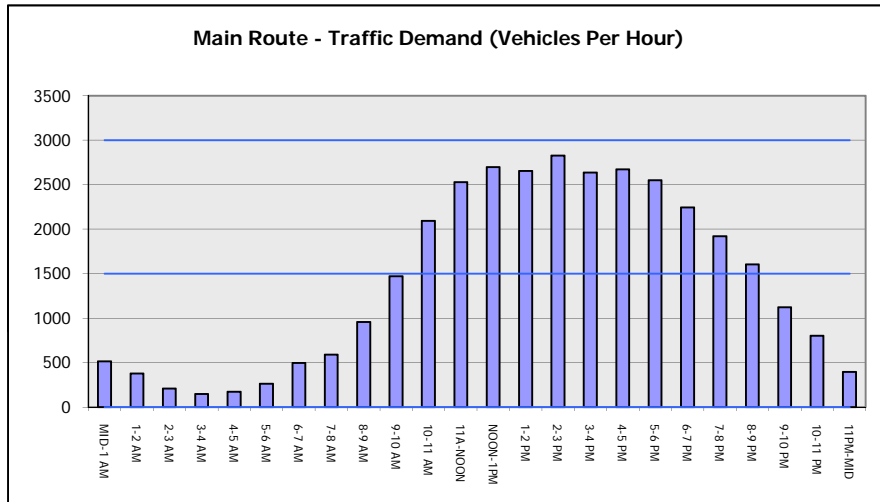
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$9,222
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41/45: USH 41 & USH 45 TO CTH Q (WASHINGTON COUNTY)
NIGHTTIME 2 LANE 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



USH 41/45: USH 41 & USH 45 TO CTH Q (WASHINGTON COUNTY) NIGHTTIME 2 LANE CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	AUGUST
	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	1500	536	0	36	0.54	0	70.0	55.0	43.3	24.6	24.6
1-2 AM	335	0.0	23	0.0	1500	335	0	23	0.51	0	70.2	55.6	44.2	24.7	24.7
2-3 AM	239	0.0	16	0.0	1500	239	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
3-4 AM	145	0.0	9	0.0	1500	145	0	9	0.49	0	70.2	56.1	44.9	24.8	24.8
4-5 AM	118	0.0	8	0.0	1500	118	0	8	0.49	0	70.2	56.3	45.0	24.8	24.8
5-6 AM	243	0.0	16	0.0	1500	243	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
6-7 AM	387	0.0	26	0.0	1500	387	0	26	0.52	0	70.2	55.5	44.0	24.7	24.7
7-8 AM	597	0.0	40	0.0	1500	597	0	40	0.54	0	70.0	54.8	43.2	24.5	24.5
8-9 AM	851	0.0	58	0.0	1500	851	0	58	0.57	0	69.7	54.1	42.2	24.4	24.4
9-10 AM	1240	0.0	83	0.0	OFF	1240	0	83	0.00	0	69.2	69.2	69.2	24.2	24.2
10-11 AM	1624	0.0	109	0.0	OFF	1624	0	109	0.00	0	68.7	68.7	68.7	24.0	24.0
11A-NOON	1878	0.0	127	0.0	OFF	1878	0	127	0.00	0	68.4	68.4	68.4	23.8	23.8
NOON-1PM	2070	0.0	139	0.0	OFF	2070	0	139	0.00	0	68.2	68.2	68.2	23.8	23.8
1-2 PM	2112	0.0	142	0.0	OFF	2112	0	142	0.00	0	68.1	68.1	68.1	23.7	23.7
2-3 PM	2050	0.0	138	0.0	OFF	2050	0	138	0.00	0	68.2	68.2	68.2	23.8	23.8
3-4 PM	2083	0.0	140	0.0	OFF	2083	0	140	0.00	0	68.1	68.1	68.1	23.8	23.8
4-5 PM	2272	0.0	152	0.0	OFF	2272	0	152	0.00	0	67.9	67.9	67.9	23.7	23.7
5-6 PM	2080	0.0	140	0.0	OFF	2080	0	140	0.00	0	68.1	68.1	68.1	23.8	23.8
6-7 PM	1681	0.0	113	0.0	OFF	1681	0	113	0.00	0	68.6	68.6	68.6	24.0	24.0
7-8 PM	1392	0.0	94	0.0	1500	1392	0	94	0.96	0	69.0	46.6	33.2	24.1	24.1
8-9 PM	1149	0.0	77	0.0	1500	1149	0	77	0.64	0	69.3	52.4	40.2	24.2	24.2
9-10 PM	966	0.0	65	0.0	1500	966	0	65	0.58	0	69.6	53.7	41.8	24.3	24.3
10-11 PM	780	0.0	52	0.0	1500	780	0	52	0.56	0	69.7	54.3	42.5	24.5	24.5
11PM-MID	473	0.0	32	0.0	1500	473	0	32	0.53	0	70.2	55.3	43.6	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	0.0100
MAIN ROUTE WITH WORKS	0.0094
DIVERSION	0.0088

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$1,436
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

USH 41/45: USH 41 & USH 45 TO CTH Q (WASHINGTON COUNTY)
NIGHTTIME 2 LANE 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

