

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

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	192	0.0	21	0.0	1500	192	0	21	0.44	0	66.0	59.1	44.7	24.7	24.7
1-2 AM	152	0.0	16	0.0	1500	152	0	16	0.44	0	66.1	59.1	44.9	24.7	24.7
2-3 AM	133	0.0	14	0.0	1500	133	0	14	0.44	0	66.1	59.2	45.0	24.7	24.7
3-4 AM	133	0.0	14	0.0	1500	133	0	14	0.44	0	66.1	59.2	45.0	24.7	24.7
4-5 AM	198	0.0	22	0.0	1500	198	0	22	0.44	0	66.0	59.0	44.7	24.7	24.7
5-6 AM	329	0.0	35	0.0	1500	329	0	35	0.45	0	65.8	58.6	44.2	24.6	24.6
6-7 AM	469	0.0	50	0.0	1500	469	0	50	0.47	0	65.5	58.2	43.6	24.5	24.5
7-8 AM	744	0.0	79	0.0	1500	744	0	79	0.49	0	65.0	57.5	42.6	24.2	24.2
8-9 AM	1080	0.0	115	0.0	1500	1080	0	115	0.53	0	64.4	56.6	41.4	24.0	24.0
9-10 AM	1357	0.0	145	0.0	1499	1357	0	145	0.84	0	63.8	52.5	34.1	23.7	23.7
10-11 AM	1500	0.0	161	0.0	1499	1500	0	161	1.15	4	63.6	49.1	31.1	23.6	23.6
11A-NOON	1617	0.0	173	0.0	1500	1617	0	173	3.57	73	63.3	33.0	30.8	23.5	23.5
NOON-1PM	1544	0.0	165	0.0	1499	1544	0	165	6.79	156	63.5	23.0	30.8	23.6	23.6
1-2 PM	1595	0.0	171	0.0	1500	1595	0	171	9.31	225	63.4	18.6	30.8	23.5	23.5
2-3 PM	1516	0.0	163	0.0	1499	1488	28	191	10.75	262	63.6	16.8	30.8	23.6	23.3
3-4 PM	1541	0.0	165	0.0	1500	1506	35	200	10.79	263	63.5	16.8	30.8	23.6	23.3
4-5 PM	1576	0.0	169	0.0	1500	1502	74	243	10.99	269	63.5	16.5	30.8	23.5	23.0
5-6 PM	1445	0.0	154	0.0	1499	1438	7	161	10.08	244	63.7	17.6	30.8	23.7	23.6
6-7 PM	1226	0.0	131	0.0	1499	1226	0	131	3.21	89	64.1	34.9	34.7	23.8	23.8
7-8 PM	1017	0.0	109	0.0	1500	1017	0	109	0.52	0	64.5	56.8	41.6	24.0	24.0
8-9 PM	888	0.0	95	0.0	1500	888	0	95	0.51	0	64.7	57.1	42.1	24.1	24.1
9-10 PM	719	0.0	77	0.0	1500	719	0	77	0.49	0	65.0	57.6	42.7	24.2	24.2
10-11 PM	513	0.0	55	0.0	1500	513	0	55	0.47	0	65.5	58.1	43.5	24.4	24.4
11PM-MID	346	0.0	37	0.0	1500	346	0	37	0.46	0	65.8	58.6	44.1	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	0.0142
MAIN ROUTE WITH WORKS	0.0127
DIVERSION	0.0166

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

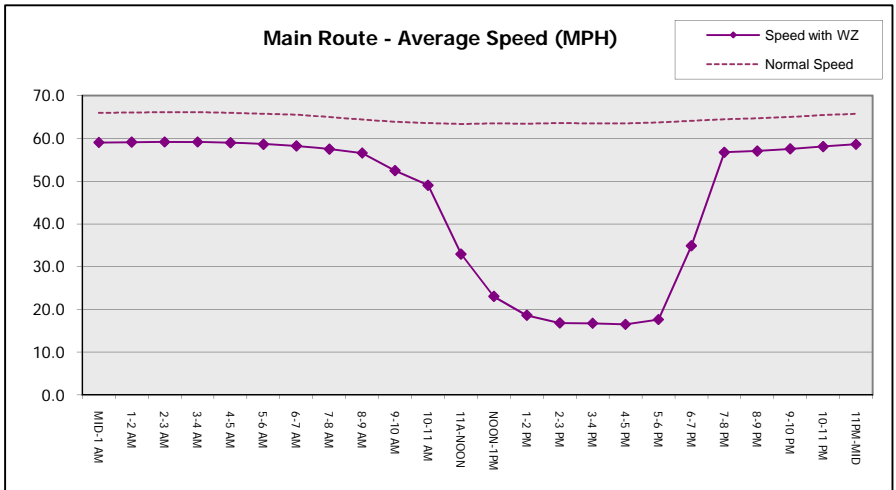
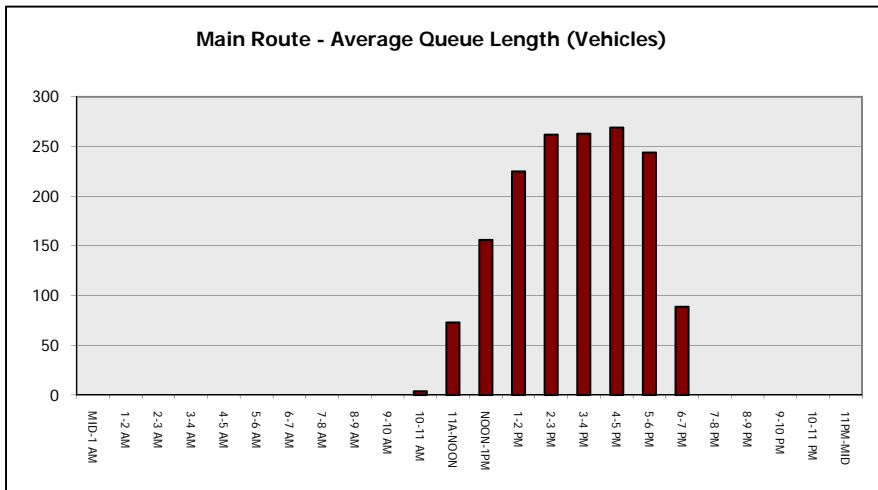
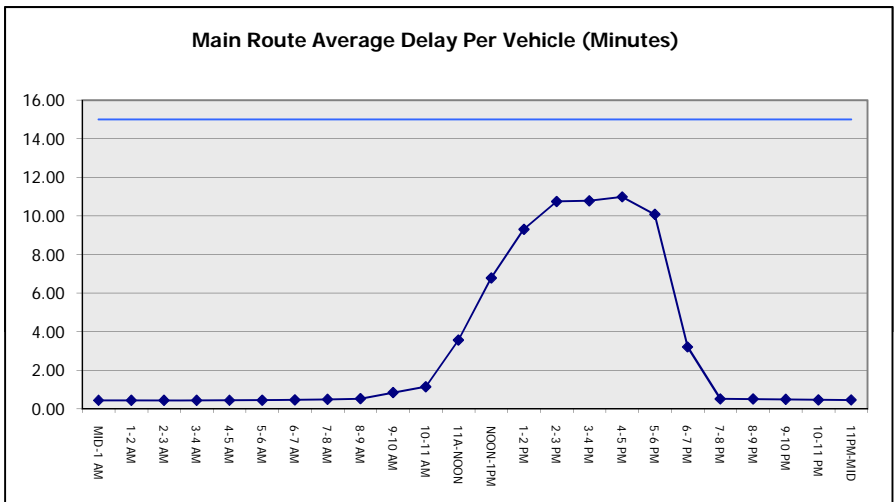
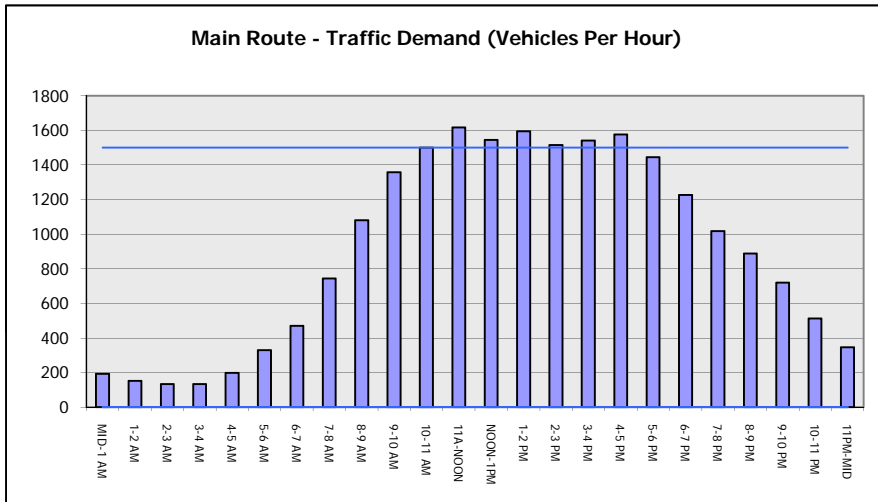
ROAD USER COSTS PER DAY (DOLLARS)	\$30,117
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)
 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY SOUTHBOUND DIRECTION



USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60	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			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	322	0.0	34	0.0	1500	322	0	34	0.45	0	65.8	58.7	44.2	24.6	24.6
1-2 AM	201	0.0	22	0.0	1500	201	0	22	0.44	0	66.0	59.0	44.6	24.7	24.7
2-3 AM	153	0.0	16	0.0	1500	153	0	16	0.44	0	66.1	59.1	44.9	24.7	24.7
3-4 AM	163	0.0	17	0.0	1500	163	0	17	0.44	0	66.1	59.1	44.8	24.7	24.7
4-5 AM	247	0.0	27	0.0	1500	247	0	27	0.45	0	66.0	58.9	44.5	24.7	24.7
5-6 AM	483	0.0	51	0.0	1500	483	0	51	0.47	0	65.5	58.2	43.6	24.5	24.5
6-7 AM	719	0.0	77	0.0	1500	719	0	77	0.49	0	65.0	57.6	42.7	24.2	24.2
7-8 AM	1073	0.0	115	0.0	1499	1073	0	115	0.55	0	64.4	56.3	40.7	24.0	24.0
8-9 AM	1414	0.0	151	0.0	1499	1414	0	151	0.91	0	63.8	51.5	32.8	23.7	23.7
9-10 AM	1761	0.0	188	0.0	1500	1761	0	188	4.66	116	63.1	28.8	30.8	23.4	23.4
10-11 AM	1866	0.0	200	0.0	1499	1559	307	507	12.40	308	62.9	15.1	30.8	23.3	20.9
11A-NOON	1882	0.0	202	0.0	1499	1498	384	586	12.88	321	62.9	14.7	30.8	23.3	20.4
NOON-1PM	1762	0.0	188	0.0	1499	1475	288	476	12.23	303	63.1	15.3	30.8	23.4	21.2
1-2 PM	1588	0.0	170	0.0	1499	1473	115	285	11.20	275	63.4	16.3	30.8	23.5	22.7
2-3 PM	1499	0.0	161	0.0	1500	1491	8	168	10.63	259	63.6	17.0	30.8	23.6	23.5
3-4 PM	1581	0.0	169	0.0	1500	1513	68	237	10.97	268	63.5	16.6	30.8	23.5	23.0
4-5 PM	1496	0.0	160	0.0	1499	1473	23	182	10.60	258	63.6	17.0	30.8	23.6	23.4
5-6 PM	1320	0.0	141	0.0	1499	1320	0	141	6.77	164	63.9	23.2	31.5	23.8	23.8
6-7 PM	1104	0.0	118	0.0	1500	1103	0	118	0.72	5	64.3	54.2	40.6	23.9	23.9
7-8 PM	962	0.0	103	0.0	1500	962	0	103	0.52	0	64.6	56.9	41.8	24.0	24.0
8-9 PM	791	0.0	84	0.0	1500	791	0	84	0.50	0	64.9	57.4	42.4	24.2	24.2
9-10 PM	681	0.0	73	0.0	1500	681	0	73	0.49	0	65.1	57.6	42.8	24.3	24.3
10-11 PM	545	0.0	59	0.0	1500	545	0	59	0.48	0	65.4	58.1	43.3	24.4	24.4
11PM-MID	417	0.0	44	0.0	1500	417	0	44	0.46	0	65.6	58.4	43.8	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	0.0157
MAIN ROUTE WITH WORKS	0.0134
DIVERSION	0.0252

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$44,961
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SATURDAY NORTHBOUND DIRECTION

