

**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

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	205	0.0	22	0.0	1500	205	0	22	0.44	0	66.0	59.0	44.6	24.7	24.7
1-2 AM	147	0.0	15	0.0	1500	147	0	15	0.44	0	66.1	59.2	44.9	24.7	24.7
2-3 AM	109	0.0	11	0.0	1500	109	0	11	0.43	0	66.2	59.2	45.0	24.8	24.8
3-4 AM	115	0.0	12	0.0	1500	115	0	12	0.43	0	66.2	59.2	45.0	24.7	24.7
4-5 AM	127	0.0	13	0.0	1500	127	0	13	0.43	0	66.1	59.2	45.0	24.7	24.7
5-6 AM	172	0.0	19	0.0	1500	172	0	19	0.44	0	66.1	59.1	44.8	24.7	24.7
6-7 AM	269	0.0	29	0.0	1500	269	0	29	0.45	0	65.9	58.8	44.4	24.6	24.6
7-8 AM	428	0.0	46	0.0	1500	428	0	46	0.46	0	65.6	58.4	43.8	24.5	24.5
8-9 AM	698	0.0	75	0.0	1500	698	0	75	0.49	0	65.1	57.6	42.8	24.3	24.3
9-10 AM	1175	0.0	126	0.0	1499	1175	0	126	0.64	0	64.2	55.0	38.6	23.8	23.8
10-11 AM	1680	0.0	180	0.0	1499	1680	0	180	2.82	59	63.3	36.6	30.8	23.5	23.5
11A-NOON	2142	0.0	230	0.0	1499	1711	431	660	12.98	332	62.4	14.5	30.8	23.1	19.7
NOON-1PM	2272	0.0	243	0.0	1499	1526	746	989	15.84	402	62.2	12.4	30.8	23.0	17.3
1-2 PM	2480	0.0	266	0.0	1500	1563	917	1183	17.65	453	61.1	11.4	30.8	22.8	15.8
2-3 PM	2628	0.0	281	0.0	1499	1554	1074	1355+	19.55	507	59.6	10.5	30.8	22.7	14.5
3-4 PM	2809	0.0	301	0.0	1500	1580	1229	1530+	21.96	576	57.7	9.9	30.8	22.5	13.5
4-5 PM	2933	0.0	314	0.0	1500	1548	1385	1698+	24.60	650	56.4	9.3	30.8	22.4	12.6
5-6 PM	2718	0.0	290	0.0	1499	1396	1322	1612+	23.47	615	58.7	9.6	30.8	22.6	13.0
6-7 PM	2326	0.0	249	0.0	1499	1345	981	1230+	18.24	470	62.0	11.1	30.8	22.9	15.5
7-8 PM	1879	0.0	201	0.0	1500	1392	487	687	13.55	341	62.9	14.1	30.8	23.3	19.6
8-9 PM	1189	0.0	128	0.0	1499	1169	20	147	5.34	159	64.1	26.8	34.9	23.8	23.7
9-10 PM	721	0.0	77	0.0	1500	721	0	77	0.49	0	65.0	57.6	42.7	24.2	24.2
10-11 PM	419	0.0	45	0.0	1500	419	0	45	0.46	0	65.6	58.4	43.8	24.5	24.5
11PM-MID	252	0.0	27	0.0	1500	252	0	27	0.45	0	65.9	58.9	44.5	24.7	24.7

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

----- 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	0.0195
MAIN ROUTE WITH WORKS	0.0125
DIVERSION	0.0789

PIA: Personal Injury Accidents

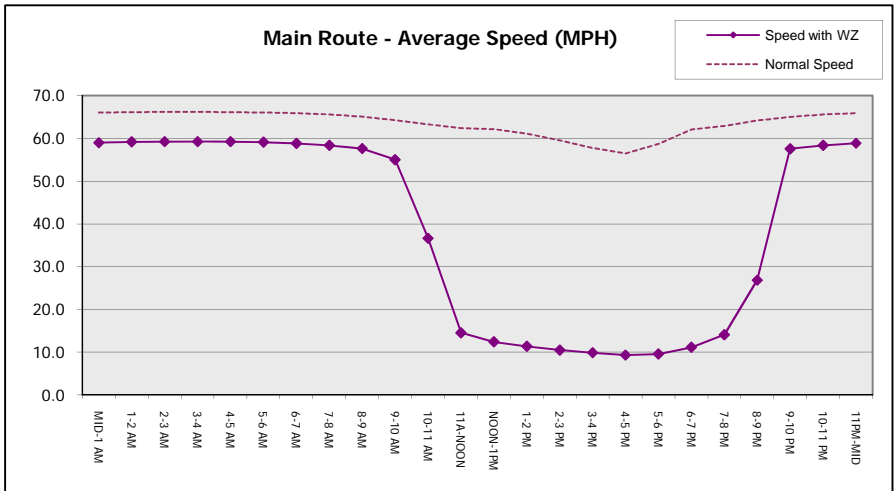
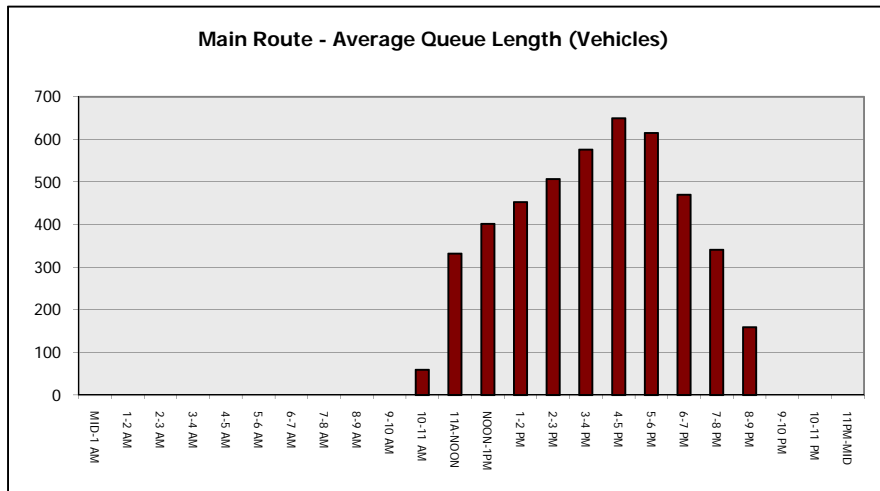
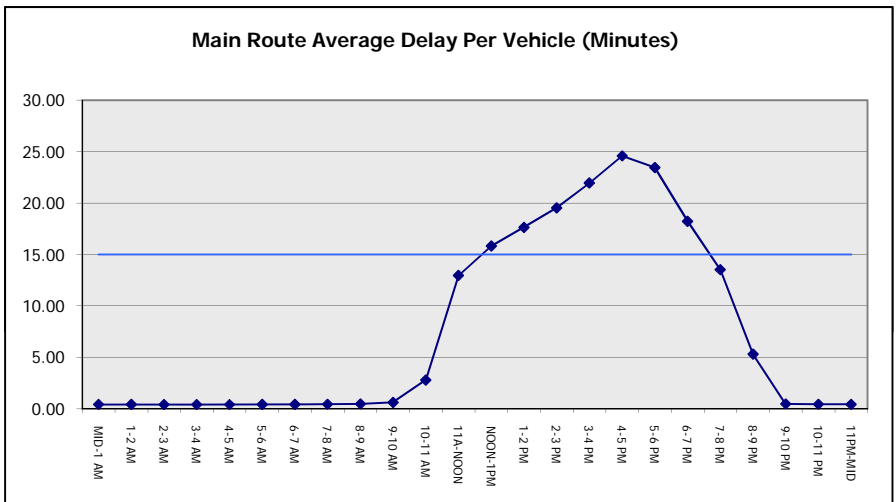
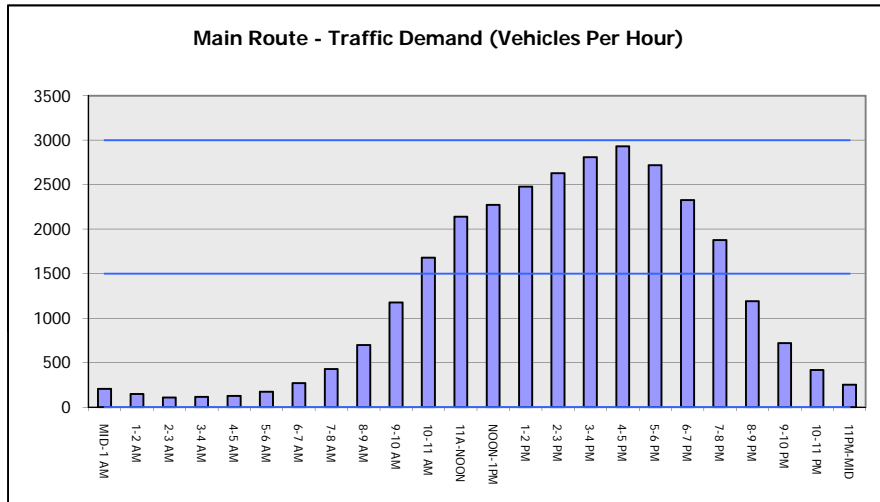
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$132,008
CONGESTED HOURS PER DAY*	7

*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
SUNDAY 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

SUNDAY 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	241	0.0	26	0.0	1500	241	0	26	0.45	0	66.0	58.9	44.5	24.7	24.7
1-2 AM	145	0.0	15	0.0	1500	145	0	15	0.44	0	66.1	59.2	44.9	24.7	24.7
2-3 AM	110	0.0	11	0.0	1500	110	0	11	0.43	0	66.2	59.2	45.0	24.8	24.8
3-4 AM	100	0.0	10	0.0	1500	100	0	10	0.43	0	66.2	59.3	45.1	24.8	24.8
4-5 AM	107	0.0	11	0.0	1500	107	0	11	0.43	0	66.2	59.3	45.1	24.8	24.8
5-6 AM	231	0.0	25	0.0	1500	231	0	25	0.44	0	66.0	58.9	44.6	24.7	24.7
6-7 AM	329	0.0	35	0.0	1500	329	0	35	0.45	0	65.8	58.6	44.2	24.6	24.6
7-8 AM	611	0.0	66	0.0	1500	611	0	66	0.48	0	65.3	57.9	43.1	24.3	24.3
8-9 AM	933	0.0	100	0.0	1500	933	0	100	0.51	0	64.6	56.9	41.9	24.1	24.1
9-10 AM	1047	0.0	112	0.0	1500	1047	0	112	0.52	0	64.5	56.6	41.5	24.0	24.0
10-11 AM	1325	0.0	142	0.0	1499	1325	0	142	0.80	0	63.9	53.0	34.9	23.7	23.7
11A-NOON	1522	0.0	163	0.0	1499	1522	0	163	1.23	5	63.5	48.2	30.8	23.6	23.6
NOON-1PM	1530	0.0	164	0.0	1499	1530	0	164	2.46	39	63.5	38.9	30.8	23.6	23.6
1-2 PM	1514	0.0	162	0.0	1499	1514	0	162	3.25	60	63.6	34.5	30.8	23.6	23.6
2-3 PM	1551	0.0	166	0.0	1500	1551	0	166	4.31	89	63.5	30.1	30.8	23.6	23.6
3-4 PM	1645	0.0	176	0.0	1500	1645	0	176	7.88	190	63.3	20.9	30.8	23.5	23.5
4-5 PM	1603	0.0	172	0.0	1499	1505	98	270	11.13	272	63.4	16.4	30.8	23.5	22.8
5-6 PM	1421	0.0	152	0.0	1499	1414	7	159	9.67	234	63.7	18.2	30.8	23.7	23.6
6-7 PM	1246	0.0	133	0.0	1499	1246	0	133	2.94	78	64.1	36.3	34.5	23.8	23.8
7-8 PM	970	0.0	104	0.0	1500	970	0	104	0.52	0	64.6	56.9	41.8	24.0	24.0
8-9 PM	726	0.0	77	0.0	1500	726	0	77	0.49	0	65.0	57.6	42.7	24.2	24.2
9-10 PM	495	0.0	52	0.0	1500	495	0	52	0.47	0	65.5	58.2	43.5	24.5	24.5
10-11 PM	340	0.0	36	0.0	1500	340	0	36	0.46	0	65.8	58.6	44.2	24.6	24.6
11PM-MID	272	0.0	29	0.0	1500	272	0	29	0.45	0	65.9	58.8	44.4	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	0.0131
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0150

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,023
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
SUNDAY NORTHBOUND DIRECTION

