

<b>USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60</b>	<b>OCTOBER</b>
	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	OFF	205	0	22	0.00	0	66.0	66.0	66.0	24.7	24.7
1-2 AM	147	0.0	15	0.0	OFF	147	0	15	0.00	0	66.1	66.1	66.1	24.7	24.7
2-3 AM	109	0.0	11	0.0	OFF	109	0	11	0.00	0	66.2	66.2	66.2	24.8	24.8
3-4 AM	115	0.0	12	0.0	OFF	115	0	12	0.00	0	66.2	66.2	66.2	24.7	24.7
4-5 AM	127	0.0	13	0.0	OFF	127	0	13	0.00	0	66.1	66.1	66.1	24.7	24.7
5-6 AM	172	0.0	19	0.0	OFF	172	0	19	0.00	0	66.1	66.1	66.1	24.7	24.7
6-7 AM	269	0.0	29	0.0	OFF	269	0	29	0.00	0	65.9	65.9	65.9	24.6	24.6
7-8 AM	428	0.0	46	0.0	OFF	428	0	46	0.00	0	65.6	65.6	65.6	24.5	24.5
8-9 AM	698	0.0	75	0.0	OFF	698	0	75	0.00	0	65.1	65.1	65.1	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	OFF	1879	0	201	0.62	38	62.9	54.3	54.3	23.3	23.3
8-9 PM	1189	0.0	128	0.0	OFF	1189	0	128	0.00	0	64.1	64.1	64.1	23.8	23.8
9-10 PM	721	0.0	77	0.0	OFF	721	0	77	0.00	0	65.0	65.0	65.0	24.2	24.2
10-11 PM	419	0.0	45	0.0	OFF	419	0	45	0.00	0	65.6	65.6	65.6	24.5	24.5
11PM-MID	252	0.0	27	0.0	OFF	252	0	27	0.00	0	65.9	65.9	65.9	24.7	24.7

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

+ 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	0.0132
DIVERSION	0.0755

PIA: Personal Injury Accidents

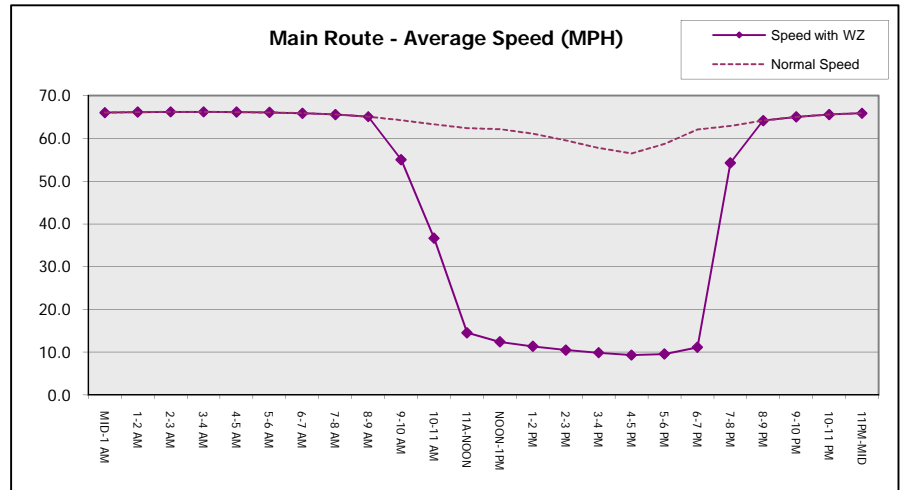
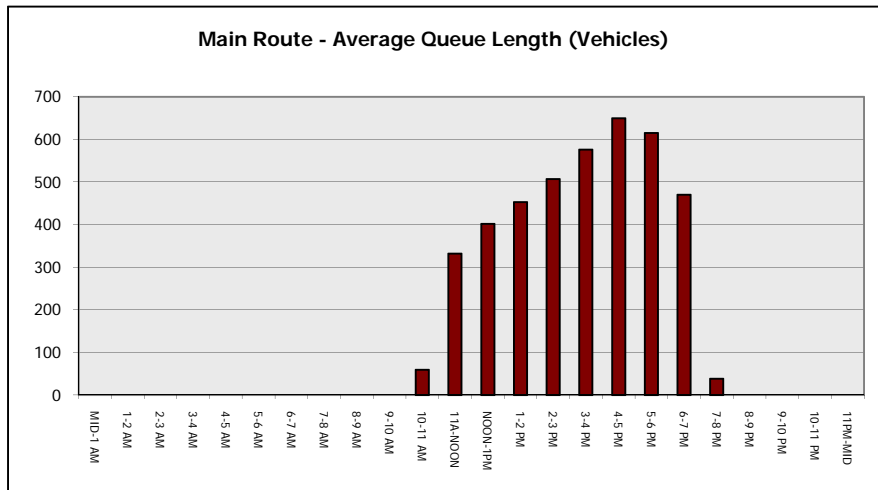
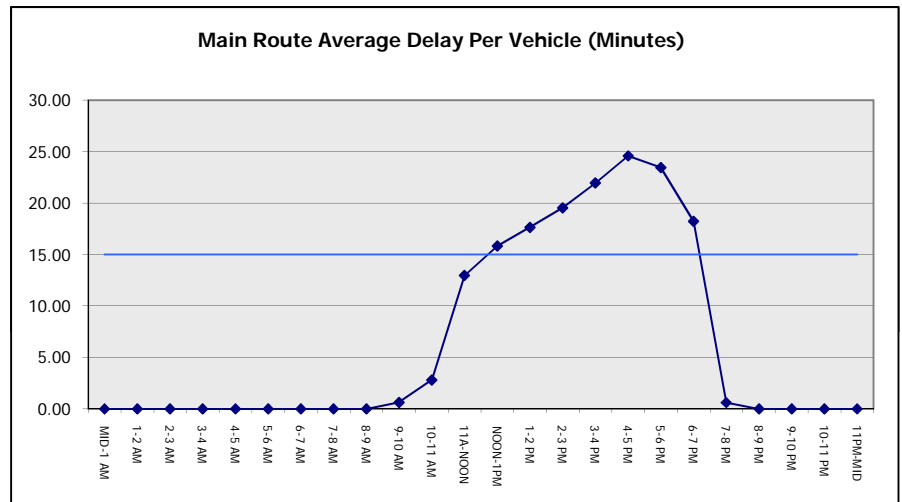
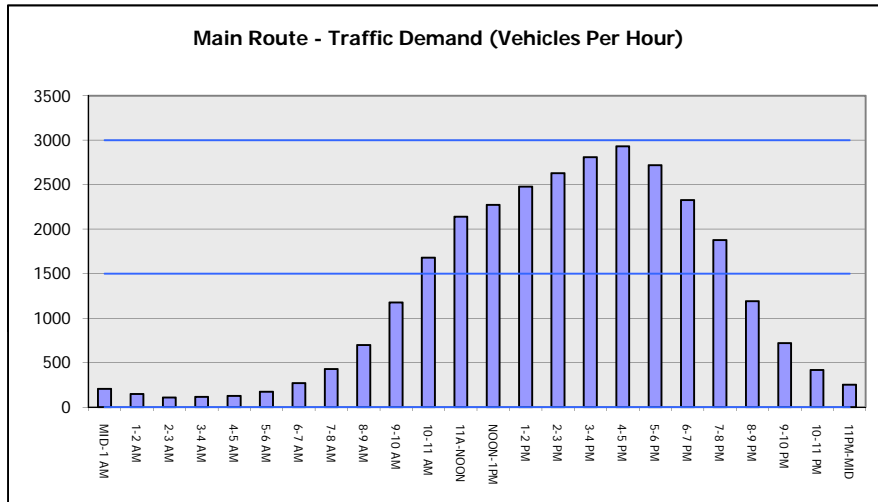
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$120,891
CONGESTED HOURS PER DAY*	7

\*Delays Exceeding 15 Minutes

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)  
 OFF-PEAK DAY 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**



<b>USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60</b>	<b>OCTOBER</b>
	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	241	0.0	26	0.0	OFF	241	0	26	0.00	0	66.0	66.0	66.0	24.7	24.7	
1-2 AM	145	0.0	15	0.0	OFF	145	0	15	0.00	0	66.1	66.1	66.1	24.7	24.7	
2-3 AM	110	0.0	11	0.0	OFF	110	0	11	0.00	0	66.2	66.2	66.2	24.8	24.8	
3-4 AM	100	0.0	10	0.0	OFF	100	0	10	0.00	0	66.2	66.2	66.2	24.8	24.8	
4-5 AM	107	0.0	11	0.0	OFF	107	0	11	0.00	0	66.2	66.2	66.2	24.8	24.8	
5-6 AM	231	0.0	25	0.0	OFF	231	0	25	0.00	0	66.0	66.0	66.0	24.7	24.7	
6-7 AM	329	0.0	35	0.0	OFF	329	0	35	0.00	0	65.8	65.8	65.8	24.6	24.6	
7-8 AM	611	0.0	66	0.0	OFF	611	0	66	0.00	0	65.3	65.3	65.3	24.3	24.3	
8-9 AM	933	0.0	100	0.0	OFF	933	0	100	0.00	0	64.6	64.6	64.6	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	OFF	970	0	104	0.00	0	64.6	64.6	64.6	24.0	24.0	
8-9 PM	726	0.0	77	0.0	OFF	726	0	77	0.00	0	65.0	65.0	65.0	24.2	24.2	
9-10 PM	495	0.0	52	0.0	OFF	495	0	52	0.00	0	65.5	65.5	65.5	24.5	24.5	
10-11 PM	340	0.0	36	0.0	OFF	340	0	36	0.00	0	65.8	65.8	65.8	24.6	24.6	
11PM-MID	272	0.0	29	0.0	OFF	272	0	29	0.00	0	65.9	65.9	65.9	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	0.0131
MAIN ROUTE WITH WORKS	0.0120
DIVERSION	0.0150

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$19,983
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)**  
**OFF-PEAK DAY CLOSURE**  
**DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

**OCTOBER**  
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 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**SUNDAY NORTHBOUND DIRECTION**

