

**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**

FRIDAY 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	163	0.0	17	0.0	1500	163	0	17	0.44	0	66.1	59.1	44.8	24.7	24.7
1-2 AM	126	0.0	13	0.0	1500	126	0	13	0.43	0	66.1	59.2	45.0	24.7	24.7
2-3 AM	154	0.0	16	0.0	1500	154	0	16	0.44	0	66.1	59.1	44.8	24.7	24.7
3-4 AM	209	0.0	23	0.0	1500	209	0	23	0.44	0	66.0	59.0	44.6	24.7	24.7
4-5 AM	397	0.0	42	0.0	1500	397	0	42	0.46	0	65.6	58.4	43.9	24.5	24.5
5-6 AM	999	0.0	107	0.0	1499	999	0	107	0.53	0	64.5	56.6	41.3	24.0	24.0
6-7 AM	1541	0.0	165	0.0	1499	1541	0	165	1.45	13	63.5	46.2	31.1	23.6	23.6
7-8 AM	1530	0.0	164	0.0	1499	1530	0	164	3.80	75	63.5	32.0	30.8	23.6	23.6
8-9 AM	1324	0.0	142	0.0	1499	1324	0	142	1.53	22	63.9	45.7	34.0	23.7	23.7
9-10 AM	1336	0.0	143	0.0	1500	1336	0	143	0.81	0	63.9	52.8	34.5	23.7	23.7
10-11 AM	1339	0.0	143	0.0	1500	1339	0	143	0.82	0	63.9	52.7	34.5	23.7	23.7
11A-NOON	1472	0.0	157	0.0	1499	1472	0	157	0.99	0	63.7	50.7	31.4	23.7	23.7
NOON-1PM	1549	0.0	166	0.0	1499	1549	0	166	1.71	19	63.5	44.0	30.8	23.6	23.6
1-2 PM	1633	0.0	175	0.0	1500	1633	0	175	4.84	108	63.3	28.2	30.8	23.5	23.5
2-3 PM	1786	0.0	191	0.0	1500	1625	161	353	11.16	277	63.0	16.3	30.8	23.3	22.1
3-4 PM	1790	0.0	191	0.0	1499	1500	290	481	12.26	303	63.0	15.2	30.8	23.3	21.2
4-5 PM	1925	0.0	206	0.0	1500	1522	403	609	13.02	325	62.8	14.5	30.8	23.3	20.2
5-6 PM	1805	0.0	194	0.0	1499	1467	338	531	12.55	312	63.0	15.0	30.8	23.3	20.7
6-7 PM	1439	0.0	154	0.0	1499	1390	49	204	10.15	248	63.7	17.6	30.8	23.7	23.3
7-8 PM	1061	0.0	113	0.0	1499	1061	0	113	1.81	48	64.4	43.7	38.6	24.0	24.0
8-9 PM	752	0.0	80	0.0	1500	752	0	80	0.50	0	65.0	57.4	42.5	24.2	24.2
9-10 PM	628	0.0	67	0.0	1500	628	0	67	0.48	0	65.2	57.8	43.0	24.3	24.3
10-11 PM	414	0.0	44	0.0	1500	414	0	44	0.46	0	65.6	58.4	43.8	24.5	24.5
11PM-MID	275	0.0	30	0.0	1500	275	0	30	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 (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	0.0167
MAIN ROUTE WITH WORKS	0.0143
DIVERSION	0.0267

PIA: Personal Injury Accidents

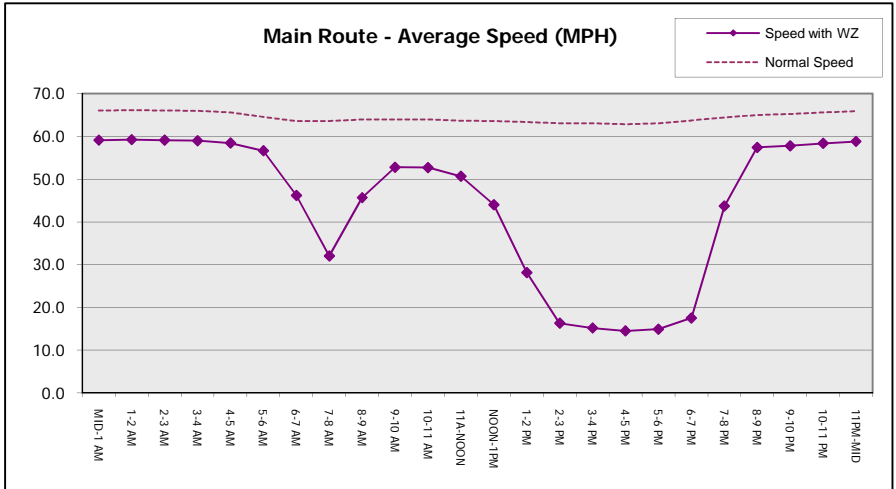
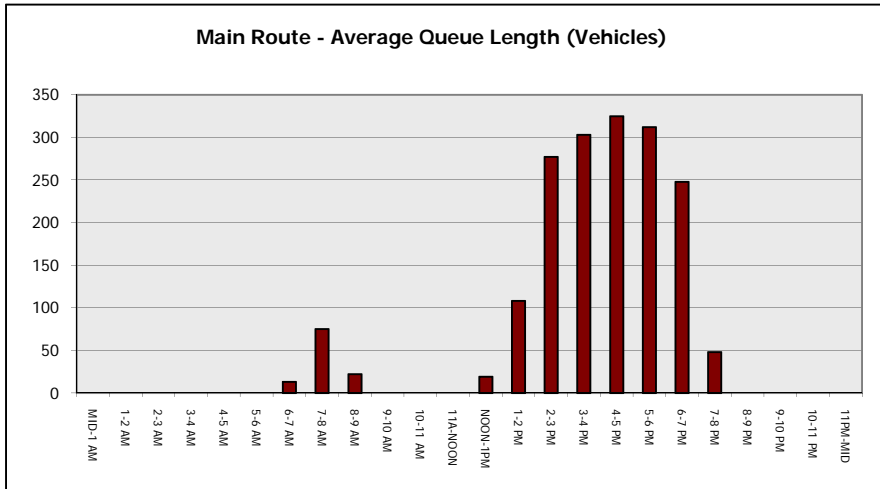
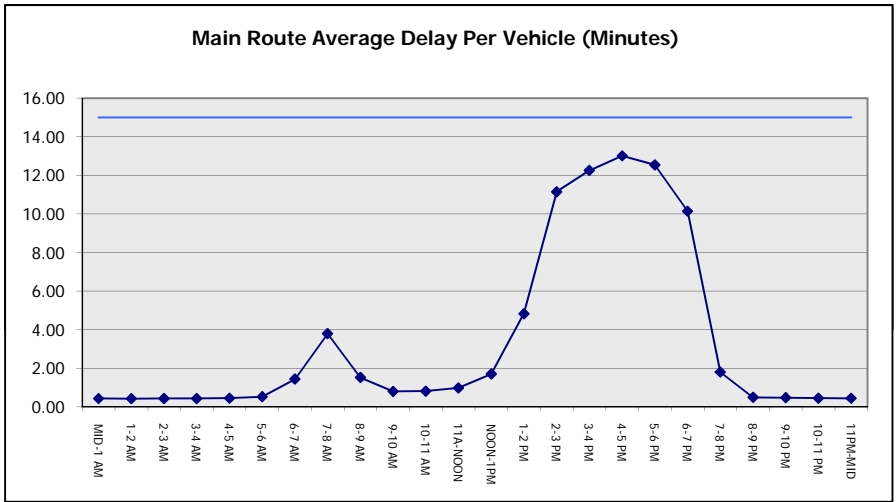
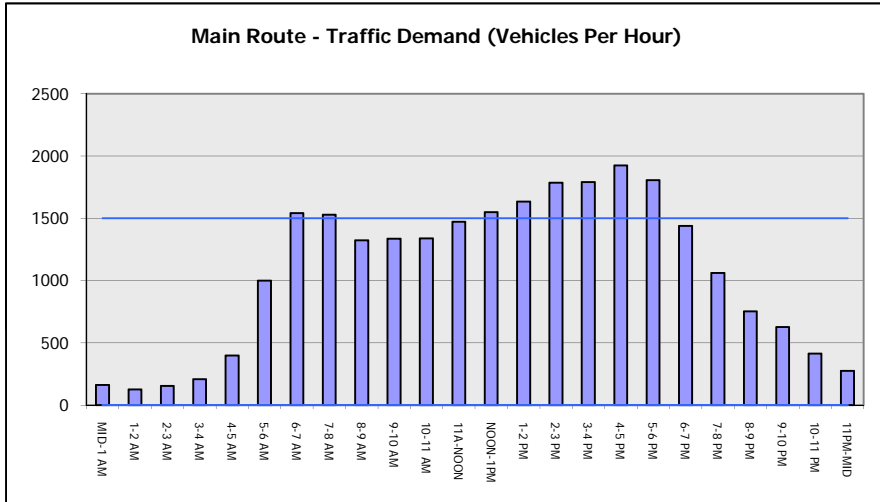
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$32,226
CONGESTED HOURS PER DAY*	0

\*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**  
**FRIDAY SOUTHBOUND DIRECTION**



<b>USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) 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**

FRIDAY 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	248	0.0	27	0.0	1500	248	0	27	0.45	0	66.0	58.9	44.5	24.7	24.7
1-2 AM	200	0.0	22	0.0	1500	200	0	22	0.44	0	66.0	59.0	44.7	24.7	24.7
2-3 AM	177	0.0	19	0.0	1500	177	0	19	0.44	0	66.1	59.1	44.8	24.7	24.7
3-4 AM	211	0.0	23	0.0	1500	211	0	23	0.44	0	66.0	59.0	44.6	24.7	24.7
4-5 AM	315	0.0	34	0.0	1500	315	0	34	0.45	0	65.8	58.7	44.2	24.6	24.6
5-6 AM	616	0.0	66	0.0	1500	616	0	66	0.48	0	65.3	57.8	43.1	24.3	24.3
6-7 AM	1030	0.0	110	0.0	1500	1030	0	110	0.52	0	64.5	56.7	41.5	24.0	24.0
7-8 AM	1299	0.0	139	0.0	1500	1299	0	139	0.76	0	64.0	53.3	35.5	23.8	23.8
8-9 AM	1431	0.0	153	0.0	1499	1431	0	153	0.93	0	63.7	51.3	32.3	23.7	23.7
9-10 AM	1556	0.0	167	0.0	1499	1556	0	167	1.67	19	63.5	44.3	30.8	23.5	23.5
10-11 AM	1727	0.0	185	0.0	1500	1727	0	185	6.52	161	63.2	23.6	30.8	23.4	23.4
11A-NOON	1844	0.0	198	0.0	1499	1535	309	506	12.40	308	63.0	15.1	30.8	23.3	20.9
NOON-1PM	1970	0.0	211	0.0	1500	1529	441	652	13.30	332	62.7	14.3	30.8	23.2	19.8
1-2 PM	2256	0.0	242	0.0	1500	1570	686	928	15.33	388	62.2	12.7	30.8	23.0	17.7
2-3 PM	2489	0.0	267	0.0	1499	1576	913	1180	17.61	452	61.0	11.4	30.8	22.8	15.8
3-4 PM	2976	0.0	318	0.0	1500	1648	1328	1646+	22.67	601	56.0	9.7	30.8	22.4	13.2
4-5 PM	3281	0.0	351	0.0	1499	1500	1781	2132+	24.85	666	52.9	9.3	30.8	22.2	12.4
5-6 PM	2974	0.0	318	0.0	1500	1505	1469	1787+	24.74	655	56.0	9.3	30.8	22.4	12.5
6-7 PM	2401	0.0	257	0.0	1499	1267	1134	1391+	20.29	527	61.9	10.4	30.8	22.9	14.4
7-8 PM	1588	0.0	170	0.0	1500	1322	266	436	11.85	297	63.4	15.6	30.8	23.5	21.5
8-9 PM	1152	0.0	124	0.0	1499	1152	0	124	3.08	96	64.2	35.6	36.5	23.9	23.9
9-10 PM	950	0.0	102	0.0	1500	950	0	102	0.51	0	64.6	56.9	41.9	24.0	24.0
10-11 PM	666	0.0	71	0.0	1500	666	0	71	0.49	0	65.1	57.7	42.9	24.3	24.3
11PM-MID	504	0.0	54	0.0	1500	504	0	54	0.47	0	65.5	58.1	43.5	24.4	24.4

+ INDICATES DIVERSION FLOW EXCEEDS USER-SPECIFIED WARNING LIMIT

*----- 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	0.0221
MAIN ROUTE WITH WORKS	0.0150
DIVERSION	0.0800

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$107,048
CONGESTED HOURS PER DAY*	6

\*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**  
**FRIDAY NORTHBOUND DIRECTION**

