

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

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	OFF	163	0	17	0.00	0	66.1	66.1	66.1	24.7	24.7
1-2 AM	126	0.0	13	0.0	OFF	126	0	13	0.00	0	66.1	66.1	66.1	24.7	24.7
2-3 AM	154	0.0	16	0.0	OFF	154	0	16	0.00	0	66.1	66.1	66.1	24.7	24.7
3-4 AM	209	0.0	23	0.0	OFF	209	0	23	0.00	0	66.0	66.0	66.0	24.7	24.7
4-5 AM	397	0.0	42	0.0	OFF	397	0	42	0.00	0	65.6	65.6	65.6	24.5	24.5
5-6 AM	999	0.0	107	0.0	OFF	999	0	107	0.00	0	64.5	64.5	64.5	24.0	24.0
6-7 AM	1541	0.0	165	0.0	OFF	1541	0	165	0.00	0	63.5	63.5	63.5	23.6	23.6
7-8 AM	1530	0.0	164	0.0	OFF	1530	0	164	0.00	0	63.5	63.5	63.5	23.6	23.6
8-9 AM	1324	0.0	142	0.0	OFF	1324	0	142	0.00	0	63.9	63.9	63.9	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	OFF	1925	0	206	0.38	22	62.8	57.3	57.3	23.3	23.3
5-6 PM	1805	0.0	194	0.0	OFF	1805	0	194	0.00	0	63.0	63.0	63.0	23.3	23.3
6-7 PM	1439	0.0	154	0.0	OFF	1439	0	154	0.00	0	63.7	63.7	63.7	23.7	23.7
7-8 PM	1061	0.0	113	0.0	OFF	1061	0	113	0.00	0	64.4	64.4	64.4	24.0	24.0
8-9 PM	752	0.0	80	0.0	OFF	752	0	80	0.00	0	65.0	65.0	65.0	24.2	24.2
9-10 PM	628	0.0	67	0.0	OFF	628	0	67	0.00	0	65.2	65.2	65.2	24.3	24.3
10-11 PM	414	0.0	44	0.0	OFF	414	0	44	0.00	0	65.6	65.6	65.6	24.5	24.5
11PM-MID	275	0.0	30	0.0	OFF	275	0	30	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	0.0167
MAIN ROUTE WITH WORKS	0.0158
DIVERSION	0.0214

PIA: Personal Injury Accidents

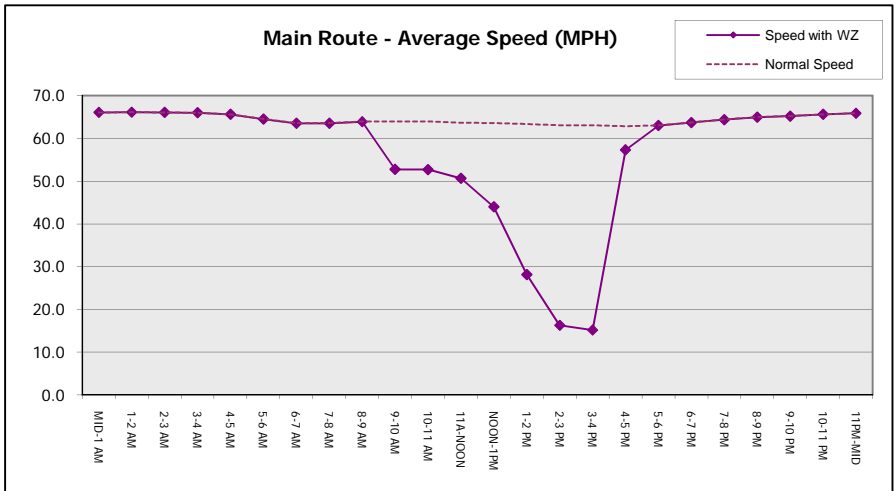
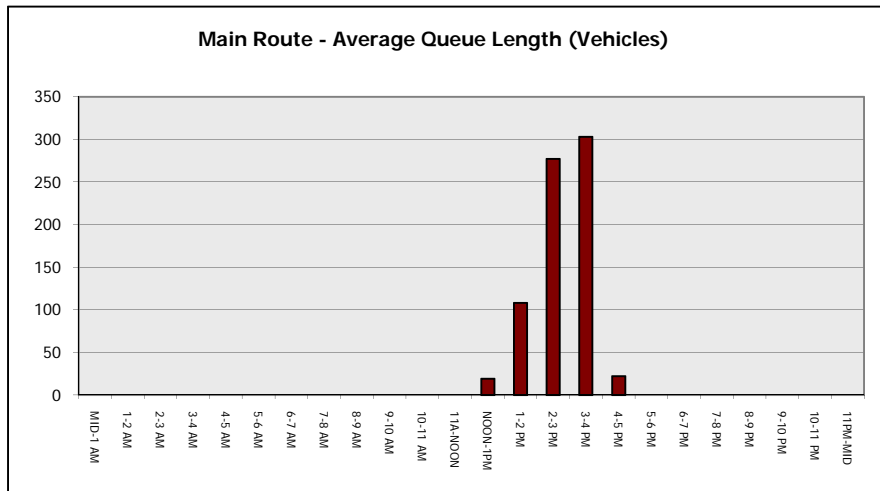
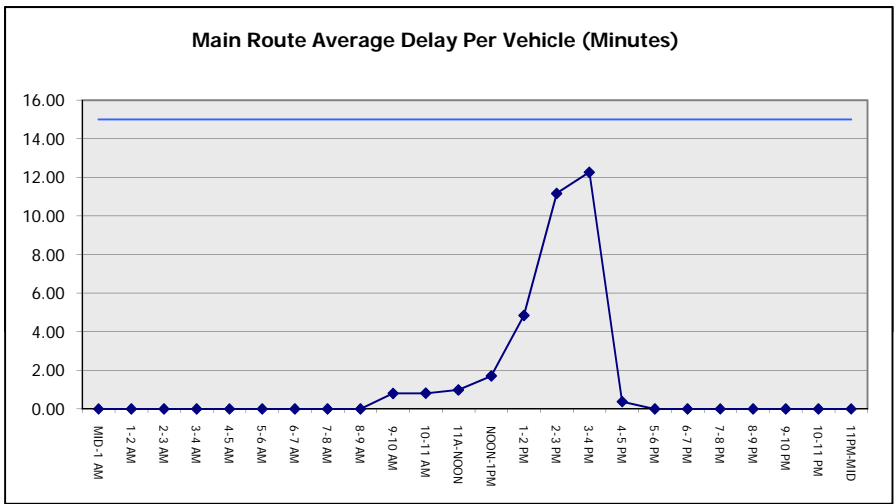
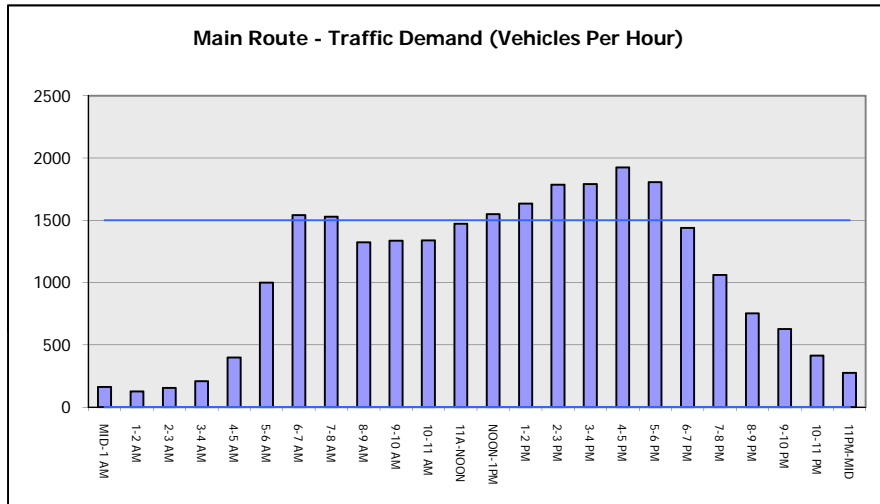
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$12,340
CONGESTED HOURS PER DAY*	0

*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
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



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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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		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	248	0.0	27	0.0	OFF	248	0	27	0.00	0	66.0	66.0	66.0	24.7	24.7
1-2 AM	200	0.0	22	0.0	OFF	200	0	22	0.00	0	66.0	66.0	66.0	24.7	24.7
2-3 AM	177	0.0	19	0.0	OFF	177	0	19	0.00	0	66.1	66.1	66.1	24.7	24.7
3-4 AM	211	0.0	23	0.0	OFF	211	0	23	0.00	0	66.0	66.0	66.0	24.7	24.7
4-5 AM	315	0.0	34	0.0	OFF	315	0	34	0.00	0	65.8	65.8	65.8	24.6	24.6
5-6 AM	616	0.0	66	0.0	OFF	616	0	66	0.00	0	65.3	65.3	65.3	24.3	24.3
6-7 AM	1030	0.0	110	0.0	OFF	1030	0	110	0.00	0	64.5	64.5	64.5	24.0	24.0
7-8 AM	1299	0.0	139	0.0	OFF	1299	0	139	0.00	0	64.0	64.0	64.0	23.8	23.8
8-9 AM	1431	0.0	153	0.0	OFF	1431	0	153	0.00	0	63.7	63.7	63.7	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	OFF	3281	0	351	4.95	286	52.9	25.6	25.6	22.2	22.2
5-6 PM	2974	0.0	318	0.0	OFF	2974	0	318	0.00	0	56.0	56.0	56.0	22.4	22.4
6-7 PM	2401	0.0	257	0.0	OFF	2401	0	257	0.00	0	61.9	61.9	61.9	22.9	22.9
7-8 PM	1588	0.0	170	0.0	OFF	1588	0	170	0.00	0	63.4	63.4	63.4	23.5	23.5
8-9 PM	1152	0.0	124	0.0	OFF	1152	0	124	0.00	0	64.2	64.2	64.2	23.9	23.9
9-10 PM	950	0.0	102	0.0	OFF	950	0	102	0.00	0	64.6	64.6	64.6	24.0	24.0
10-11 PM	666	0.0	71	0.0	OFF	666	0	71	0.00	0	65.1	65.1	65.1	24.3	24.3
11PM-MID	504	0.0	54	0.0	OFF	504	0	54	0.00	0	65.5	65.5	65.5	24.4	24.4

"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	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	0.0190
DIVERSION	0.0489

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$48,892
CONGESTED HOURS PER DAY*	3

*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
FRIDAY NORTHBOUND DIRECTION

