

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

AUGUST

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	634	0.0	68	0.0	1500	634	0	68	0.48	0	65.2	57.8	43.0	24.3	24.3
1-2 AM	374	0.0	40	0.0	1500	374	0	40	0.46	0	65.7	58.5	44.0	24.5	24.5
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	116	0.0	12	0.0	1500	116	0	12	0.43	0	66.2	59.2	45.0	24.7	24.7
4-5 AM	138	0.0	14	0.0	1500	138	0	14	0.44	0	66.1	59.2	45.0	24.7	24.7
5-6 AM	179	0.0	20	0.0	1500	179	0	20	0.44	0	66.1	59.1	44.8	24.7	24.7
6-7 AM	268	0.0	29	0.0	1500	268	0	29	0.45	0	65.9	58.8	44.4	24.6	24.6
7-8 AM	461	0.0	49	0.0	1500	461	0	49	0.47	0	65.5	58.2	43.7	24.5	24.5
8-9 AM	863	0.0	93	0.0	1500	863	0	93	0.51	0	64.8	57.1	42.2	24.2	24.2
9-10 AM	1480	0.0	158	0.0	1499	1480	0	158	1.48	19	63.7	46.0	33.1	23.6	23.6
10-11 AM	2268	0.0	243	0.0	1500	1866	402	645	12.04	325	62.2	15.4	30.8	23.0	19.9
11A-NOON	2734	0.0	292	0.0	1500	1636	1098	1390+	19.97	521	58.5	10.4	30.8	22.6	14.3
NOON-1PM	2779	0.0	297	0.0	1499	1523	1256	1553+	22.37	586	58.0	9.7	30.8	22.5	13.4
1-2 PM	2999	0.0	321	0.0	1500	1561	1438	1759+	24.52	650	55.8	9.3	30.8	22.4	12.6
2-3 PM	3060	0.0	327	0.0	1499	1500	1560	1887+	24.99	664	55.1	9.3	30.8	22.4	12.4
3-4 PM	2978	0.0	319	0.0	1500	1499	1479	1798+	25.00	662	56.0	9.3	30.8	22.4	12.4
4-5 PM	3374	0.0	361	0.0	1499	1500	1874	2236+	24.75	666	51.9	9.3	30.8	22.0	12.4
5-6 PM	2985	0.0	319	0.0	1500	1493	1492	1811+	25.00	662	55.9	9.3	30.8	22.4	12.4
6-7 PM	2565	0.0	275	0.0	1499	1328	1237	1512+	21.91	571	60.2	9.9	30.8	22.7	13.6
7-8 PM	2099	0.0	224	0.0	1500	1358	741	966	15.66	399	62.5	12.5	30.8	23.1	17.5
8-9 PM	1601	0.0	171	0.0	1500	1404	196	367	11.57	286	63.4	15.9	30.8	23.5	22.0
9-10 PM	972	0.0	104	0.0	1499	972	0	104	2.27	75	64.6	40.4	38.8	24.0	24.0
10-11 PM	552	0.0	59	0.0	1500	552	0	59	0.48	0	65.3	58.0	43.3	24.4	24.4
11PM-MID	273	0.0	29	0.0	1500	273	0	29	0.45	0	65.9	58.8	44.4	24.6	24.6

+ 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	0.0234
MAIN ROUTE WITH WORKS	0.0136
DIVERSION	0.1112

PIA: Personal Injury Accidents

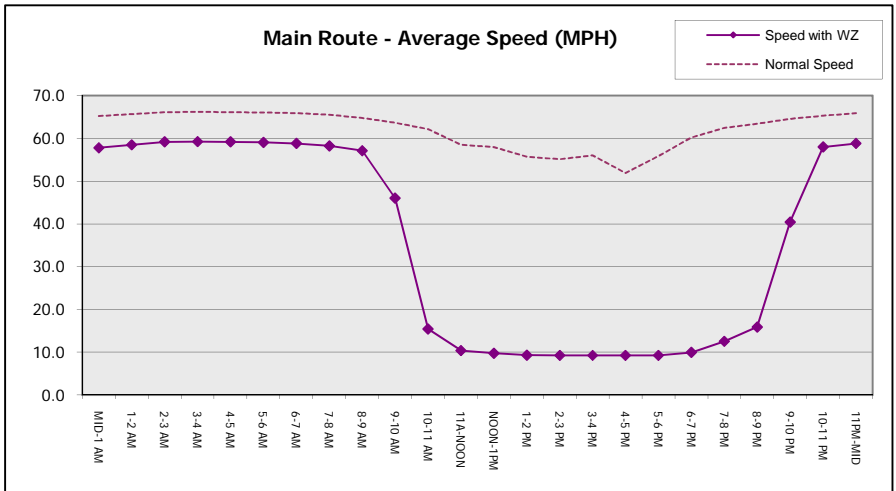
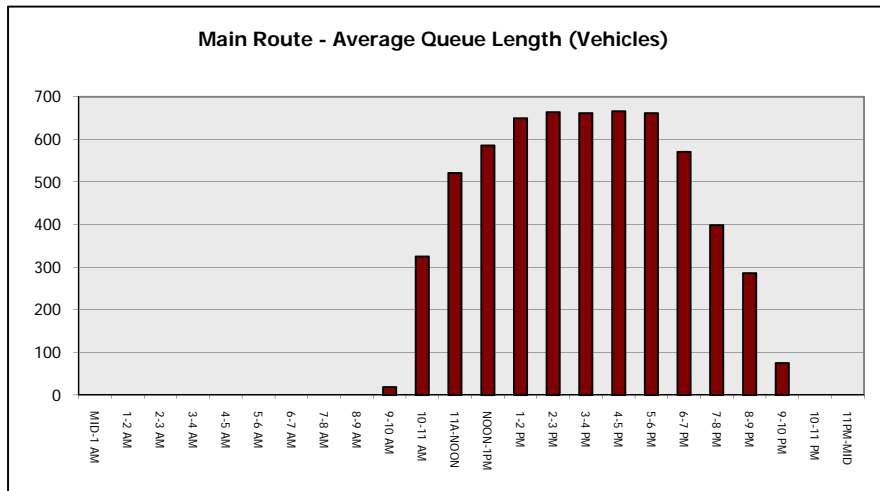
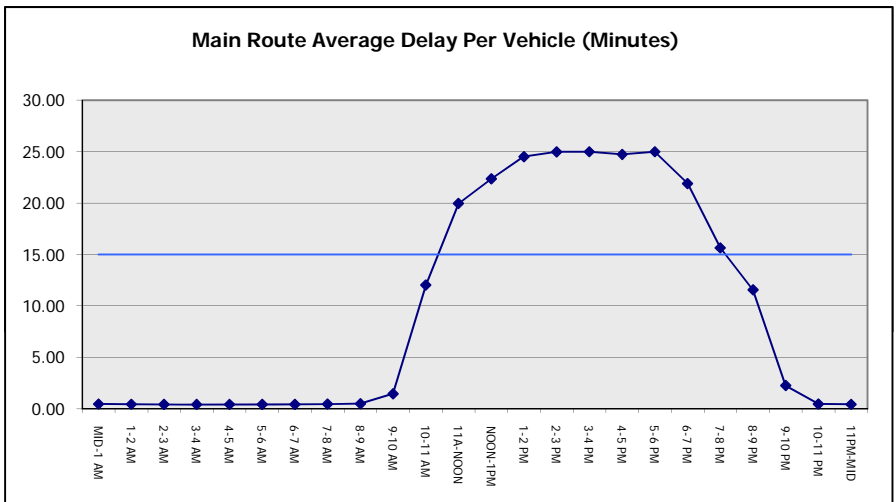
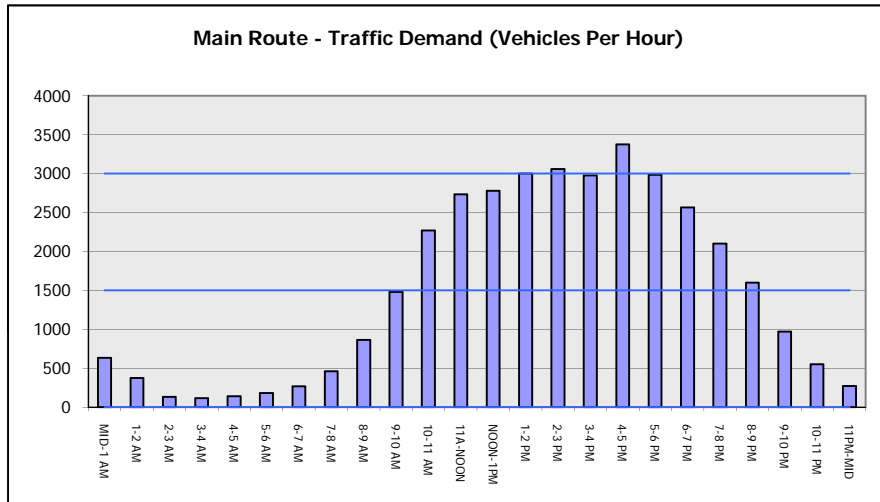
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$193,669
CONGESTED HOURS PER DAY*	9

*Delays Exceeding 15 Minutes

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

AUGUST
 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	AUGUST
	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	293	0.0	31	0.0	1500	293	0	31	0.45	0	65.8	58.7	44.3	24.6	24.6
1-2 AM	198	0.0	22	0.0	1500	198	0	22	0.44	0	66.0	59.0	44.7	24.7	24.7
2-3 AM	113	0.0	12	0.0	1500	113	0	12	0.43	0	66.2	59.2	45.0	24.7	24.7
3-4 AM	88	0.0	9	0.0	1500	88	0	9	0.43	0	66.2	59.3	45.1	24.8	24.8
4-5 AM	96	0.0	10	0.0	1500	96	0	10	0.43	0	66.2	59.3	45.1	24.8	24.8
5-6 AM	146	0.0	15	0.0	1500	146	0	15	0.44	0	66.1	59.2	44.9	24.7	24.7
6-7 AM	296	0.0	32	0.0	1500	296	0	32	0.45	0	65.8	58.7	44.3	24.6	24.6
7-8 AM	503	0.0	54	0.0	1500	503	0	54	0.47	0	65.5	58.1	43.5	24.4	24.4
8-9 AM	796	0.0	85	0.0	1500	796	0	85	0.50	0	64.9	57.3	42.4	24.2	24.2
9-10 AM	1135	0.0	121	0.0	1499	1135	0	121	0.60	0	64.3	55.6	39.6	23.9	23.9
10-11 AM	1526	0.0	164	0.0	1499	1526	0	164	1.37	11	63.5	46.9	31.2	23.6	23.6
11A-NOON	1640	0.0	175	0.0	1500	1640	0	175	5.02	113	63.3	27.6	30.8	23.5	23.5
NOON-1PM	1548	0.0	166	0.0	1499	1548	0	166	8.86	212	63.5	19.3	30.8	23.6	23.6
1-2 PM	1516	0.0	163	0.0	1499	1516	0	163	9.96	241	63.6	17.8	30.8	23.6	23.6
2-3 PM	1525	0.0	163	0.0	1500	1513	12	174	10.60	258	63.5	17.0	30.8	23.6	23.5
3-4 PM	1507	0.0	162	0.0	1499	1501	6	167	10.58	257	63.6	17.0	30.8	23.6	23.5
4-5 PM	1690	0.0	181	0.0	1500	1529	161	342	11.49	283	63.2	16.0	30.8	23.5	22.2
5-6 PM	1753	0.0	187	0.0	1499	1502	251	438	12.01	297	63.1	15.5	30.8	23.4	21.5
6-7 PM	1555	0.0	167	0.0	1499	1460	96	263	11.08	271	63.5	16.5	30.8	23.5	22.9
7-8 PM	1170	0.0	126	0.0	1499	1170	0	126	3.71	114	64.2	32.6	35.5	23.8	23.8
8-9 PM	984	0.0	105	0.0	1500	984	0	105	0.52	0	64.5	56.8	41.7	24.0	24.0
9-10 PM	722	0.0	77	0.0	1500	722	0	77	0.49	0	65.0	57.6	42.7	24.2	24.2
10-11 PM	570	0.0	61	0.0	1500	570	0	61	0.48	0	65.3	57.9	43.2	24.3	24.3
11PM-MID	391	0.0	42	0.0	1500	391	0	42	0.46	0	65.6	58.5	43.9	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	0.0142
MAIN ROUTE WITH WORKS	0.0125
DIVERSION	0.0191

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$41,262
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**

AUGUST
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
SUNDAY NORTHBOUND DIRECTION

