

**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

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	301	0.0	32	0.0	1500	301	0	32	0.45	0	65.8	58.7	44.3	24.6	24.6
1-2 AM	151	0.0	16	0.0	1500	151	0	16	0.44	0	66.1	59.2	44.9	24.7	24.7
2-3 AM	168	0.0	17	0.0	1500	168	0	17	0.44	0	66.1	59.1	44.8	24.7	24.7
3-4 AM	222	0.0	24	0.0	1500	222	0	24	0.44	0	66.0	58.9	44.6	24.7	24.7
4-5 AM	431	0.0	46	0.0	1500	431	0	46	0.46	0	65.6	58.4	43.8	24.5	24.5
5-6 AM	954	0.0	102	0.0	1500	954	0	102	0.51	0	64.6	56.9	41.9	24.0	24.0
6-7 AM	1418	0.0	151	0.0	1499	1418	0	151	0.92	0	63.7	51.5	32.7	23.7	23.7
7-8 AM	1510	0.0	162	0.0	1499	1510	0	162	1.26	6	63.6	47.9	30.8	23.6	23.6
8-9 AM	1375	0.0	147	0.0	1500	1375	0	147	0.88	0	63.8	52.0	33.5	23.7	23.7
9-10 AM	1447	0.0	154	0.0	1499	1447	0	154	0.96	0	63.7	51.0	31.9	23.7	23.7
10-11 AM	1527	0.0	164	0.0	1499	1527	0	164	1.28	7	63.5	47.8	30.8	23.6	23.6
11A-NOON	1641	0.0	176	0.0	1500	1641	0	176	4.25	93	63.3	30.2	30.8	23.5	23.5
NOON-1PM	1656	0.0	177	0.0	1499	1618	38	215	9.62	235	63.3	18.2	30.8	23.5	23.2
1-2 PM	1753	0.0	187	0.0	1499	1517	237	424	11.93	295	63.1	15.5	30.8	23.4	21.6
2-3 PM	1871	0.0	200	0.0	1500	1521	351	550	12.66	315	62.9	14.8	30.8	23.3	20.6
3-4 PM	1939	0.0	208	0.0	1500	1511	428	636	13.20	329	62.8	14.3	30.8	23.2	19.9
4-5 PM	1964	0.0	210	0.0	1499	1502	462	672	13.44	336	62.7	14.2	30.8	23.2	19.7
5-6 PM	1920	0.0	206	0.0	1500	1480	440	646	13.27	331	62.8	14.3	30.8	23.3	19.9
6-7 PM	1430	0.0	153	0.0	1499	1361	69	222	10.14	248	63.7	17.6	30.8	23.7	23.2
7-8 PM	1113	0.0	119	0.0	1499	1113	0	119	1.85	49	64.3	43.3	38.1	23.9	23.9
8-9 PM	869	0.0	93	0.0	1500	869	0	93	0.51	0	64.8	57.1	42.2	24.2	24.2
9-10 PM	718	0.0	77	0.0	1500	718	0	77	0.49	0	65.0	57.6	42.7	24.2	24.2
10-11 PM	531	0.0	57	0.0	1500	531	0	57	0.47	0	65.4	58.1	43.4	24.4	24.4
11PM-MID	364	0.0	39	0.0	1500	364	0	39	0.46	0	65.7	58.6	44.0	24.5	24.5

----- 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	0.0178
MAIN ROUTE WITH WORKS	0.0148
DIVERSION	0.0331

PIA: Personal Injury Accidents

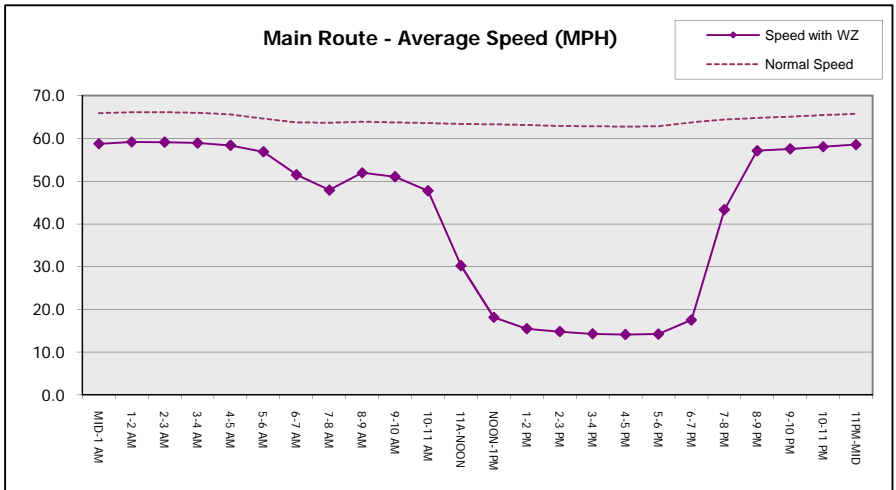
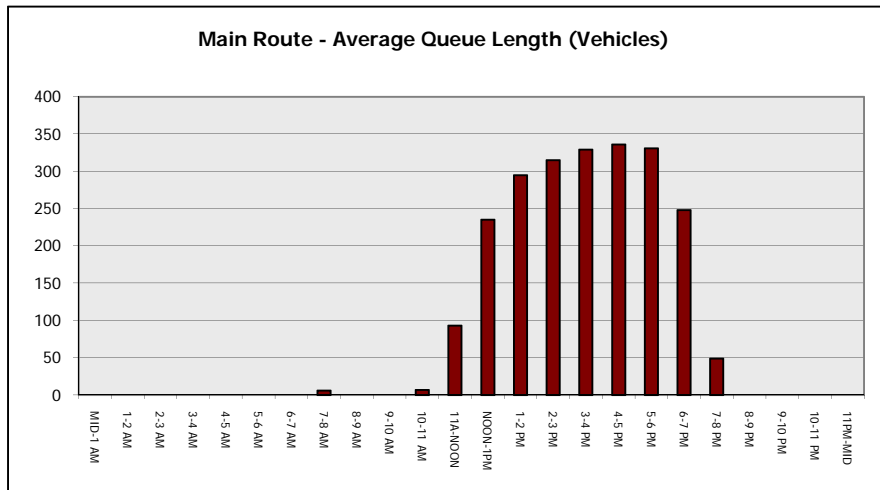
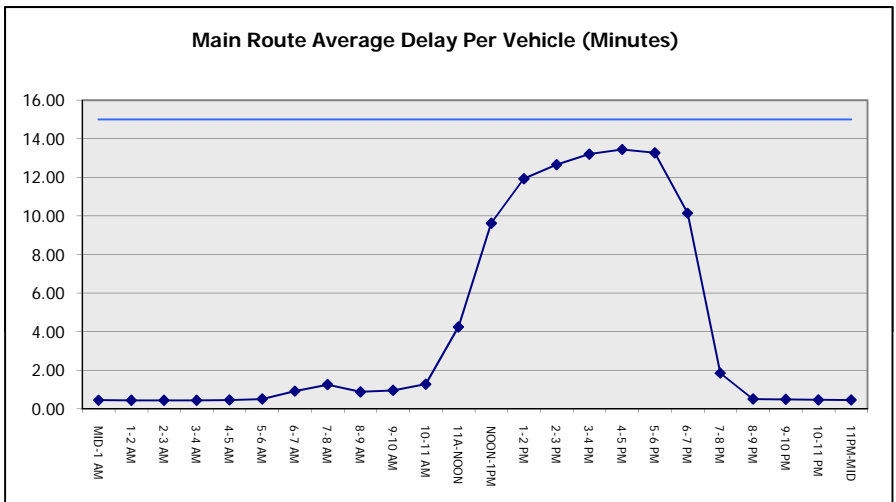
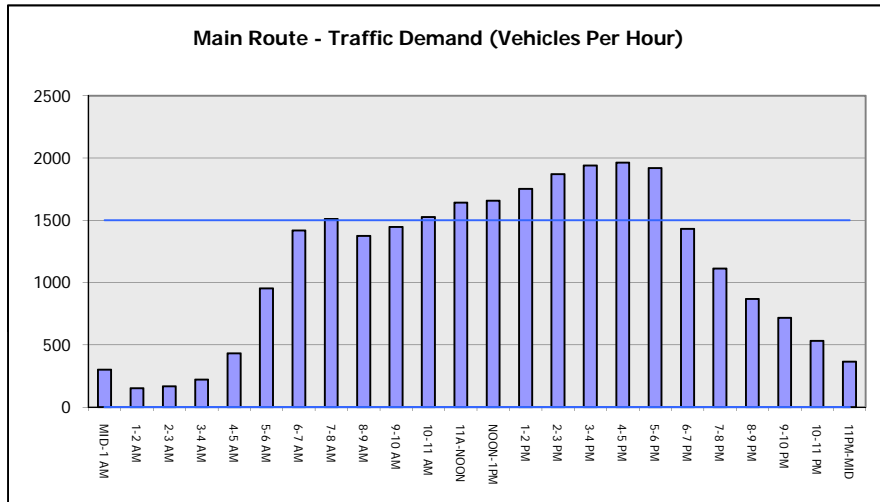
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$42,281
CONGESTED HOURS PER DAY*	0

*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**

AUGUST
 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) 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

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	303	0.0	32	0.0	1500	303	0	32	0.45	0	65.8	58.7	44.3	24.6	24.6
1-2 AM	232	0.0	25	0.0	1500	232	0	25	0.44	0	66.0	58.9	44.5	24.7	24.7
2-3 AM	185	0.0	20	0.0	1500	185	0	20	0.44	0	66.0	59.1	44.7	24.7	24.7
3-4 AM	196	0.0	21	0.0	1500	196	0	21	0.44	0	66.0	59.0	44.7	24.7	24.7
4-5 AM	291	0.0	31	0.0	1500	291	0	31	0.45	0	65.8	58.7	44.3	24.6	24.6
5-6 AM	570	0.0	61	0.0	1500	570	0	61	0.48	0	65.3	57.9	43.2	24.3	24.3
6-7 AM	1031	0.0	110	0.0	1500	1031	0	110	0.52	0	64.5	56.7	41.5	24.0	24.0
7-8 AM	1339	0.0	143	0.0	1499	1339	0	143	0.82	0	63.9	52.7	34.5	23.7	23.7
8-9 AM	1501	0.0	161	0.0	1499	1501	0	161	1.23	7	63.6	48.3	31.4	23.6	23.6
9-10 AM	1784	0.0	190	0.0	1500	1784	0	190	5.98	153	63.0	24.9	30.8	23.3	23.3
10-11 AM	2034	0.0	217	0.0	1499	1545	489	706	13.66	342	62.6	14.0	30.8	23.2	19.4
11A-NOON	2046	0.0	219	0.0	1499	1503	543	763	14.06	353	62.6	13.7	30.8	23.2	19.0
NOON-1PM	2301	0.0	246	0.0	1500	1566	734	980	15.77	400	62.1	12.5	30.8	23.0	17.3
1-2 PM	2451	0.0	262	0.0	1499	1548	904	1166	17.49	448	61.4	11.4	30.8	22.9	15.9
2-3 PM	2775	0.0	296	0.0	1500	1632	1143	1439+	20.62	540	58.1	10.2	30.8	22.5	14.0
3-4 PM	3198	0.0	342	0.0	1499	1532	1666	2008+	24.78	662	53.7	9.3	31.1	22.2	12.5
4-5 PM	3502	0.0	375	0.0	1500	1502	2000	2374+	24.61	666	50.6	9.3	30.8	22.0	12.4
5-6 PM	3448	0.0	368	0.0	1500	1500	1947	2316+	24.67	666	51.2	9.3	30.8	22.0	12.4
6-7 PM	2812	0.0	300	0.0	1500	1425	1387	1688+	24.08	634	57.7	9.4	30.8	22.5	12.8
7-8 PM	2079	0.0	222	0.0	1499	1264	815	1037	16.31	421	62.5	12.2	30.8	23.2	16.9
8-9 PM	1510	0.0	162	0.0	1500	1385	125	287	10.89	268	63.6	16.6	30.8	23.6	22.7
9-10 PM	1158	0.0	123	0.0	1499	1158	0	123	2.59	77	64.2	38.3	36.9	23.9	23.9
10-11 PM	1104	0.0	118	0.0	1500	1104	0	118	0.53	0	64.3	56.5	41.3	23.9	23.9
11PM-MID	755	0.0	80	0.0	1500	755	0	80	0.50	0	65.0	57.4	42.5	24.2	24.2

+ 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	0.0252
MAIN ROUTE WITH WORKS	0.0158
DIVERSION	0.1063

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$143,035
CONGESTED HOURS PER DAY*	8

*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
FRIDAY NORTHBOUND DIRECTION

