

USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY) OFF-PEAK DAY 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	OFF	301	0	32	0.00	0	65.8	65.8	65.8	24.6	24.6
1-2 AM	151	0.0	16	0.0	OFF	151	0	16	0.00	0	66.1	66.1	66.1	24.7	24.7
2-3 AM	168	0.0	17	0.0	OFF	168	0	17	0.00	0	66.1	66.1	66.1	24.7	24.7
3-4 AM	222	0.0	24	0.0	OFF	222	0	24	0.00	0	66.0	66.0	66.0	24.7	24.7
4-5 AM	431	0.0	46	0.0	OFF	431	0	46	0.00	0	65.6	65.6	65.6	24.5	24.5
5-6 AM	954	0.0	102	0.0	OFF	954	0	102	0.00	0	64.6	64.6	64.6	24.0	24.0
6-7 AM	1418	0.0	151	0.0	OFF	1418	0	151	0.00	0	63.7	63.7	63.7	23.7	23.7
7-8 AM	1510	0.0	162	0.0	OFF	1510	0	162	0.00	0	63.6	63.6	63.6	23.6	23.6
8-9 AM	1375	0.0	147	0.0	OFF	1375	0	147	0.00	0	63.8	63.8	63.8	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	OFF	1964	0	210	0.45	27	62.7	56.3	56.3	23.2	23.2
5-6 PM	1920	0.0	206	0.0	OFF	1920	0	206	0.00	0	62.8	62.8	62.8	23.3	23.3
6-7 PM	1430	0.0	153	0.0	OFF	1430	0	153	0.00	0	63.7	63.7	63.7	23.7	23.7
7-8 PM	1113	0.0	119	0.0	OFF	1113	0	119	0.00	0	64.3	64.3	64.3	23.9	23.9
8-9 PM	869	0.0	93	0.0	OFF	869	0	93	0.00	0	64.8	64.8	64.8	24.2	24.2
9-10 PM	718	0.0	77	0.0	OFF	718	0	77	0.00	0	65.0	65.0	65.0	24.2	24.2
10-11 PM	531	0.0	57	0.0	OFF	531	0	57	0.00	0	65.4	65.4	65.4	24.4	24.4
11PM-MID	364	0.0	39	0.0	OFF	364	0	39	0.00	0	65.7	65.7	65.7	24.5	24.5

"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	0.0178
MAIN ROUTE WITH WORKS	0.0164
DIVERSION	0.0266

PIA: Personal Injury Accidents

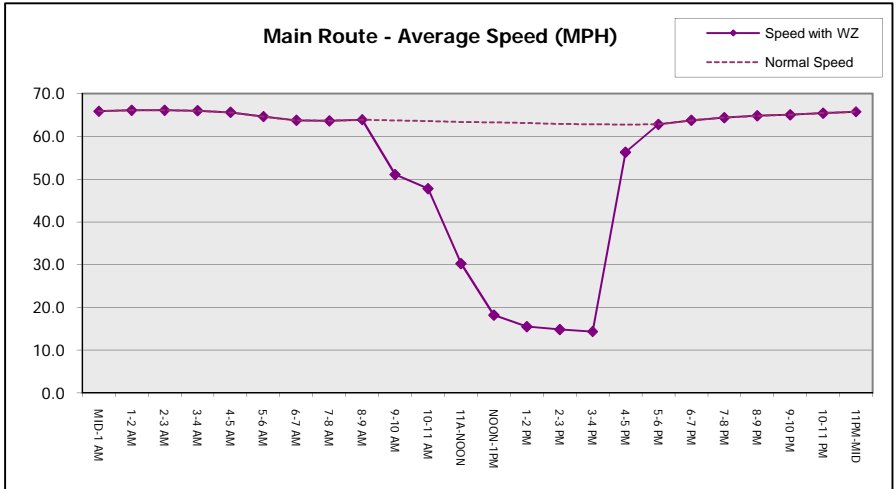
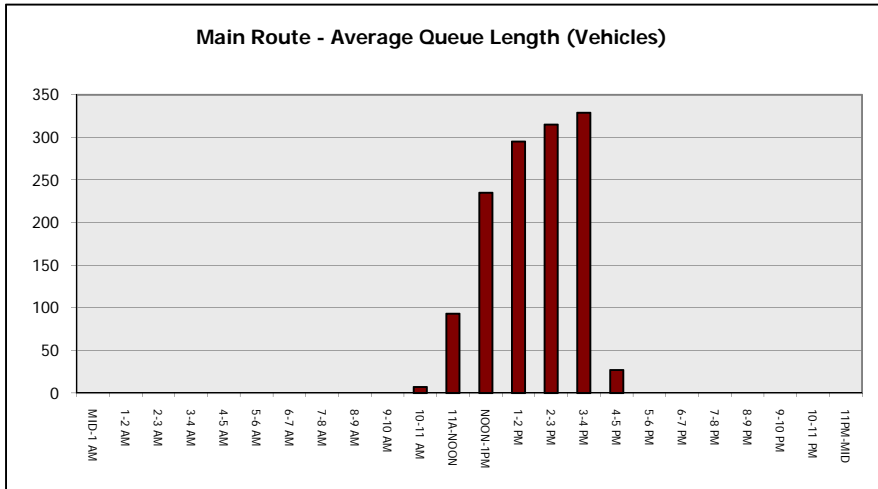
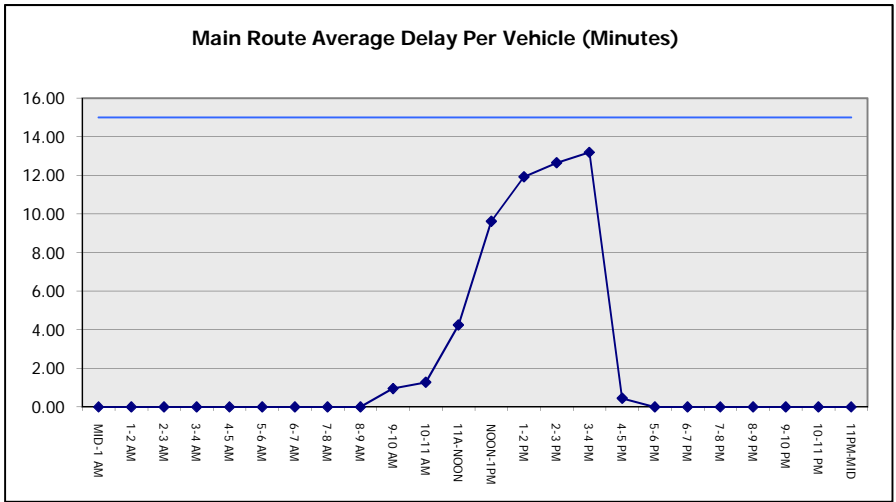
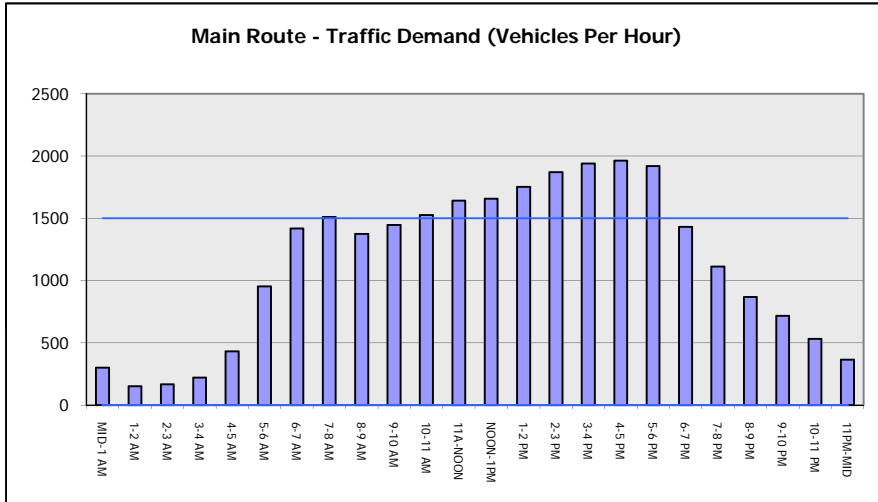
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$21,691
CONGESTED HOURS PER DAY*	0

*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

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) OFF-PEAK DAY CLOSURE DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60	AUGUST
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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			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	303	0.0	32	0.0	OFF	303	0	32	0.00	0	65.8	65.8	65.8	24.6	24.6
1-2 AM	232	0.0	25	0.0	OFF	232	0	25	0.00	0	66.0	66.0	66.0	24.7	24.7
2-3 AM	185	0.0	20	0.0	OFF	185	0	20	0.00	0	66.0	66.0	66.0	24.7	24.7
3-4 AM	196	0.0	21	0.0	OFF	196	0	21	0.00	0	66.0	66.0	66.0	24.7	24.7
4-5 AM	291	0.0	31	0.0	OFF	291	0	31	0.00	0	65.8	65.8	65.8	24.6	24.6
5-6 AM	570	0.0	61	0.0	OFF	570	0	61	0.00	0	65.3	65.3	65.3	24.3	24.3
6-7 AM	1031	0.0	110	0.0	OFF	1031	0	110	0.00	0	64.5	64.5	64.5	24.0	24.0
7-8 AM	1339	0.0	143	0.0	OFF	1339	0	143	0.00	0	63.9	63.9	63.9	23.7	23.7
8-9 AM	1501	0.0	161	0.0	OFF	1501	0	161	0.00	0	63.6	63.6	63.6	23.6	23.6
9-10 AM	1784	0.0	190	0.0	1499	1784	0	190	4.89	125	63.0	28.0	30.8	23.3	23.3
10-11 AM	2034	0.0	217	0.0	1499	1574	461	678	13.47	337	62.6	14.2	30.8	23.2	19.6
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	OFF	3502	0	375	6.40	390	50.6	21.9	21.9	22.0	22.0
5-6 PM	3448	0.0	368	0.0	OFF	3448	0	368	0.41	18	51.2	47.1	47.1	22.0	22.0
6-7 PM	2812	0.0	300	0.0	OFF	2812	0	300	0.00	0	57.7	57.7	57.7	22.5	22.5
7-8 PM	2079	0.0	222	0.0	OFF	2079	0	222	0.00	0	62.5	62.5	62.5	23.2	23.2
8-9 PM	1510	0.0	162	0.0	OFF	1510	0	162	0.00	0	63.6	63.6	63.6	23.6	23.6
9-10 PM	1158	0.0	123	0.0	OFF	1158	0	123	0.00	0	64.2	64.2	64.2	23.9	23.9
10-11 PM	1104	0.0	118	0.0	OFF	1104	0	118	0.00	0	64.3	64.3	64.3	23.9	23.9
11PM-MID	755	0.0	80	0.0	OFF	755	0	80	0.00	0	65.0	65.0	65.0	24.2	24.2

"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	0.0252
MAIN ROUTE WITH WORKS	0.0209
DIVERSION	0.0641

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$67,826
CONGESTED HOURS PER DAY*	4

*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**

AUGUST
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

