

**USH 41: STH 60 TO USH 45 (WASHINGTON COUNTY)  
OFF-PEAK DAY CLOSURE  
DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60**

**MAY**  
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	144	0.0	15	0.0	OFF	144	0	15	0.00	0	66.1	66.1	66.1	24.7	24.7
1-2 AM	134	0.0	14	0.0	OFF	134	0	14	0.00	0	66.1	66.1	66.1	24.7	24.7
2-3 AM	157	0.0	16	0.0	OFF	157	0	16	0.00	0	66.1	66.1	66.1	24.7	24.7
3-4 AM	214	0.0	23	0.0	OFF	214	0	23	0.00	0	66.0	66.0	66.0	24.7	24.7
4-5 AM	422	0.0	45	0.0	OFF	422	0	45	0.00	0	65.6	65.6	65.6	24.5	24.5
5-6 AM	984	0.0	105	0.0	OFF	984	0	105	0.00	0	64.5	64.5	64.5	24.0	24.0
6-7 AM	1434	0.0	153	0.0	OFF	1434	0	153	0.00	0	63.7	63.7	63.7	23.7	23.7
7-8 AM	1559	0.0	167	0.0	OFF	1559	0	167	0.00	0	63.5	63.5	63.5	23.5	23.5
8-9 AM	1356	0.0	145	0.0	OFF	1356	0	145	0.00	0	63.8	63.8	63.8	23.7	23.7
9-10 AM	1265	0.0	136	0.0	1500	1265	0	136	0.72	0	64.0	53.9	36.5	23.8	23.8
10-11 AM	1314	0.0	140	0.0	1500	1314	0	140	0.78	0	64.0	53.1	35.1	23.8	23.8
11A-NOON	1339	0.0	143	0.0	1500	1339	0	143	0.82	0	63.9	52.7	34.5	23.7	23.7
NOON-1PM	1369	0.0	146	0.0	1499	1369	0	146	0.85	0	63.8	52.2	33.7	23.7	23.7
1-2 PM	1619	0.0	173	0.0	1499	1619	0	173	2.71	50	63.3	37.3	30.8	23.5	23.5
2-3 PM	1654	0.0	177	0.0	1499	1654	0	177	7.87	190	63.3	20.9	30.8	23.5	23.5
3-4 PM	1811	0.0	194	0.0	1499	1540	271	464	12.15	301	63.0	15.3	30.8	23.3	21.3
4-5 PM	1935	0.0	207	0.0	OFF	1935	0	207	0.39	23	62.8	57.0	57.0	23.2	23.2
5-6 PM	1861	0.0	199	0.0	OFF	1861	0	199	0.00	0	62.9	62.9	62.9	23.3	23.3
6-7 PM	1335	0.0	143	0.0	OFF	1335	0	143	0.00	0	63.9	63.9	63.9	23.7	23.7
7-8 PM	1027	0.0	110	0.0	OFF	1027	0	110	0.00	0	64.5	64.5	64.5	24.0	24.0
8-9 PM	770	0.0	82	0.0	OFF	770	0	82	0.00	0	65.0	65.0	65.0	24.2	24.2
9-10 PM	657	0.0	70	0.0	OFF	657	0	70	0.00	0	65.1	65.1	65.1	24.3	24.3
10-11 PM	448	0.0	48	0.0	OFF	448	0	48	0.00	0	65.6	65.6	65.6	24.5	24.5
11PM-MID	301	0.0	32	0.0	OFF	301	0	32	0.00	0	65.8	65.8	65.8	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 (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	0.0164
MAIN ROUTE WITH WORKS	0.0155
DIVERSION	0.0198

PIA: Personal Injury Accidents

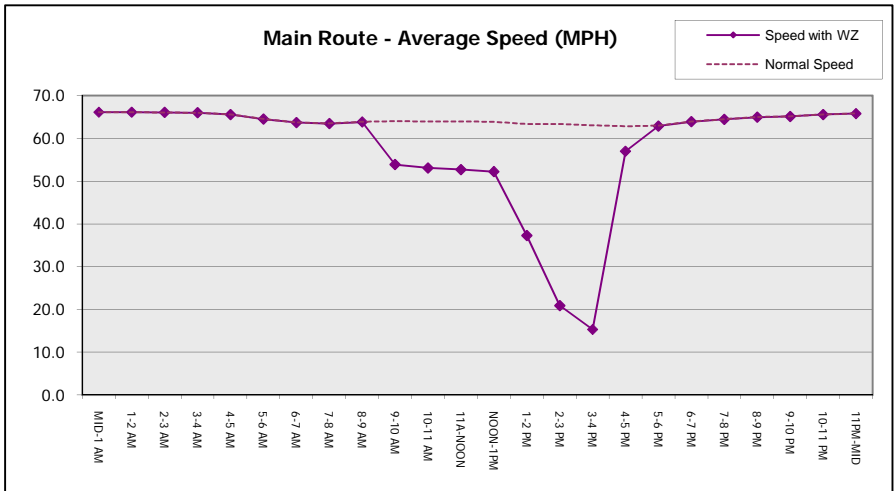
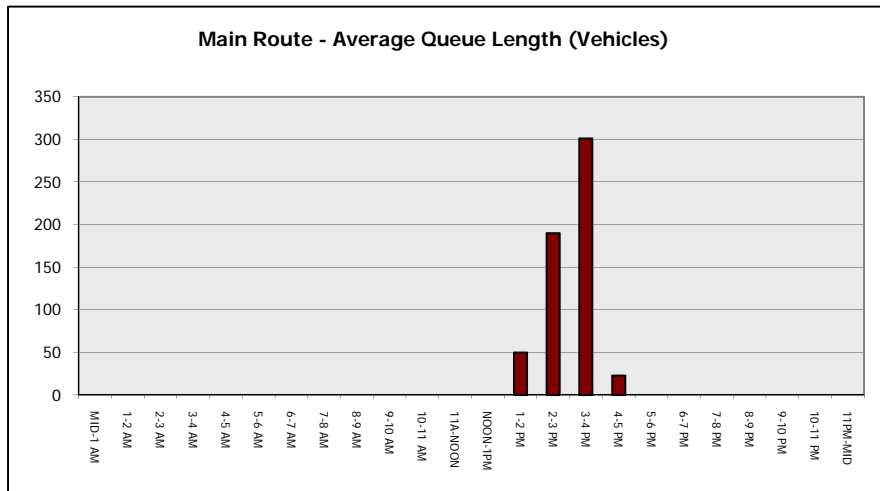
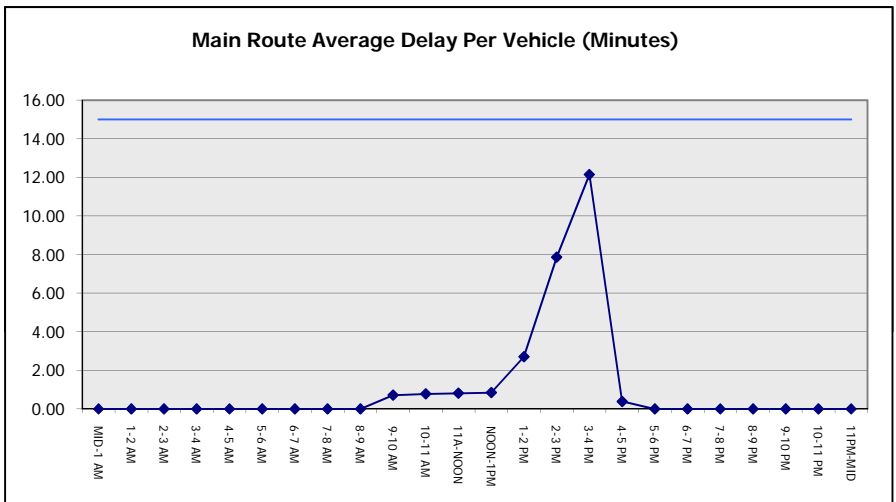
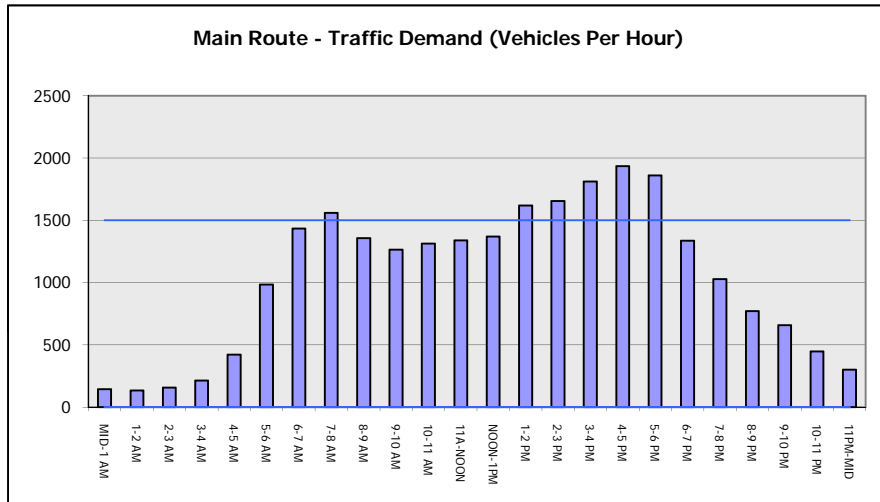
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$9,591
CONGESTED HOURS PER DAY*	0

\*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**

**MAY**  
 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)</b> <b>OFF-PEAK DAY CLOSURE</b> <b>DIVERSION ROUTE: PIONEER RD - STH 175 - STH 164 - STH 60</b>	<b>MAY</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

FRIDAY      NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							TOTAL			AVERAGE SPEEDS IN MPH					
	MAIN		DIVERSION		SITE CAPA CITY	FLOW MAIN ROUTE	FLOW DIVER -TING	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	271	0.0	29	0.0	OFF	271	0	29	0.00	0	65.9	65.9	65.9	24.6	24.6	
1-2 AM	210	0.0	23	0.0	OFF	210	0	23	0.00	0	66.0	66.0	66.0	24.7	24.7	
2-3 AM	155	0.0	16	0.0	OFF	155	0	16	0.00	0	66.1	66.1	66.1	24.7	24.7	
3-4 AM	183	0.0	20	0.0	OFF	183	0	20	0.00	0	66.1	66.1	66.1	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	627	0.0	67	0.0	OFF	627	0	67	0.00	0	65.2	65.2	65.2	24.3	24.3	
6-7 AM	1122	0.0	120	0.0	OFF	1122	0	120	0.00	0	64.3	64.3	64.3	23.9	23.9	
7-8 AM	1413	0.0	151	0.0	OFF	1413	0	151	0.00	0	63.8	63.8	63.8	23.7	23.7	
8-9 AM	1440	0.0	154	0.0	OFF	1440	0	154	0.00	0	63.7	63.7	63.7	23.7	23.7	
9-10 AM	1659	0.0	178	0.0	1499	1659	0	178	3.27	69	63.3	34.4	30.8	23.5	23.5	
10-11 AM	1782	0.0	190	0.0	1500	1645	137	327	10.61	264	63.1	17.0	30.8	23.3	22.4	
11A-NOON	1756	0.0	188	0.0	1499	1498	258	447	12.06	298	63.1	15.4	30.8	23.4	21.4	
NOON-1PM	1988	0.0	213	0.0	1500	1551	437	650	13.29	332	62.7	14.3	30.8	23.2	19.9	
1-2 PM	2235	0.0	239	0.0	1500	1558	676	915	15.22	385	62.2	12.9	30.8	23.0	17.8	
2-3 PM	2478	0.0	266	0.0	1499	1581	897	1162	17.43	447	61.1	11.5	30.8	22.8	15.9	
3-4 PM	3043	0.0	325	0.0	1500	1642	1401	1726+	23.03	613	55.3	9.6	31.0	22.4	13.1	
4-5 PM	3345	0.0	358	0.0	OFF	3345	0	358	5.28	307	52.2	24.6	24.6	22.1	22.1	
5-6 PM	3265	0.0	349	0.0	OFF	3265	0	349	0.00	0	53.0	53.0	53.0	22.2	22.2	
6-7 PM	2491	0.0	267	0.0	OFF	2491	0	267	0.00	0	61.0	61.0	61.0	22.8	22.8	
7-8 PM	1779	0.0	190	0.0	OFF	1779	0	190	0.00	0	63.1	63.1	63.1	23.3	23.3	
8-9 PM	1247	0.0	134	0.0	OFF	1247	0	134	0.00	0	64.1	64.1	64.1	23.8	23.8	
9-10 PM	1036	0.0	111	0.0	OFF	1036	0	111	0.00	0	64.5	64.5	64.5	24.0	24.0	
10-11 PM	900	0.0	97	0.0	OFF	900	0	97	0.00	0	64.7	64.7	64.7	24.1	24.1	
11PM-MID	673	0.0	72	0.0	OFF	673	0	72	0.00	0	65.1	65.1	65.1	24.3	24.3	

"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	0.0231
MAIN ROUTE WITH WORKS	0.0199
DIVERSION	0.0509

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$51,217
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**

**MAY**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**FRIDAY NORTHBOUND DIRECTION**

