

**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**

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	175	0.0	19	0.0	OFF	175	0	19	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	101	0.0	10	0.0	OFF	101	0	10	0.00	0	66.2	66.2	66.2	24.8	24.8
3-4 AM	103	0.0	11	0.0	OFF	103	0	11	0.00	0	66.2	66.2	66.2	24.8	24.8
4-5 AM	127	0.0	13	0.0	OFF	127	0	13	0.00	0	66.1	66.1	66.1	24.7	24.7
5-6 AM	202	0.0	22	0.0	OFF	202	0	22	0.00	0	66.0	66.0	66.0	24.7	24.7
6-7 AM	286	0.0	31	0.0	OFF	286	0	31	0.00	0	65.8	65.8	65.8	24.6	24.6
7-8 AM	540	0.0	58	0.0	OFF	540	0	58	0.00	0	65.4	65.4	65.4	24.4	24.4
8-9 AM	849	0.0	91	0.0	OFF	849	0	91	0.00	0	64.8	64.8	64.8	24.2	24.2
9-10 AM	1449	0.0	155	0.0	1499	1449	0	155	1.27	11	63.7	47.9	33.1	23.7	23.7
10-11 AM	2009	0.0	215	0.0	1500	1815	195	410	8.99	239	62.7	19.1	30.8	23.2	21.7
11A-NOON	2160	0.0	231	0.0	1499	1525	635	865	14.83	374	62.3	13.1	30.8	23.1	18.2
NOON-1PM	2282	0.0	244	0.0	1500	1527	756	1000	15.94	404	62.2	12.4	30.8	23.0	17.2
1-2 PM	2247	0.0	240	0.0	1499	1491	756	996	15.91	403	62.2	12.4	30.8	23.0	17.2
2-3 PM	2390	0.0	255	0.0	1500	1541	849	1104	16.90	431	61.9	11.8	30.8	22.9	16.4
3-4 PM	2412	0.0	258	0.0	1499	1509	903	1162	17.47	446	61.8	11.5	30.8	22.9	15.9
4-5 PM	2592	0.0	277	0.0	1500	1553	1039	1316+	19.08	493	59.9	10.6	30.8	22.7	14.8
5-6 PM	2360	0.0	252	0.0	1499	1412	949	1201+	17.90	458	62.0	11.2	30.8	22.9	15.6
6-7 PM	2024	0.0	216	0.0	1500	1414	610	826	14.54	367	62.6	13.3	30.8	23.2	18.5
7-8 PM	1676	0.0	179	0.0	OFF	1676	0	179	0.40	23	63.3	57.4	57.4	23.5	23.5
8-9 PM	1198	0.0	129	0.0	OFF	1198	0	129	0.00	0	64.1	64.1	64.1	23.8	23.8
9-10 PM	846	0.0	91	0.0	OFF	846	0	91	0.00	0	64.8	64.8	64.8	24.2	24.2
10-11 PM	485	0.0	51	0.0	OFF	485	0	51	0.00	0	65.5	65.5	65.5	24.5	24.5
11PM-MID	245	0.0	26	0.0	OFF	245	0	26	0.00	0	66.0	66.0	66.0	24.7	24.7

"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	0.0189
MAIN ROUTE WITH WORKS	0.0135
DIVERSION	0.0655

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$97,152
CONGESTED HOURS PER DAY*	6

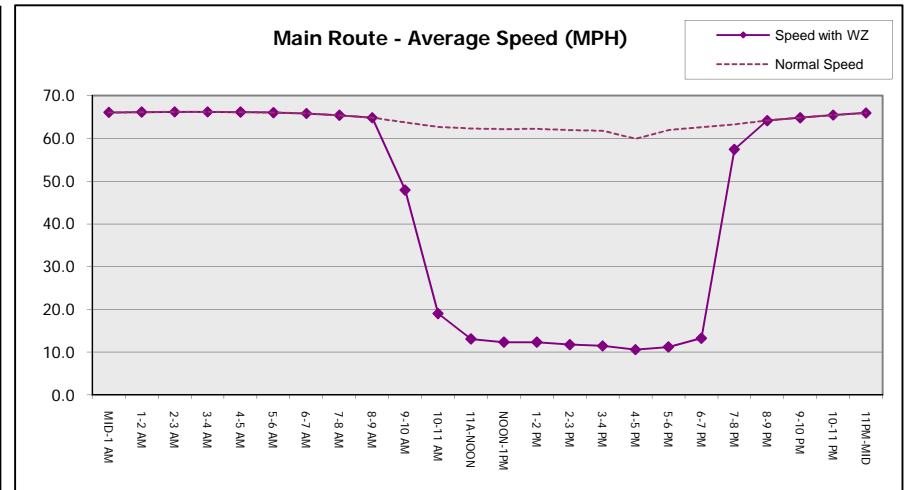
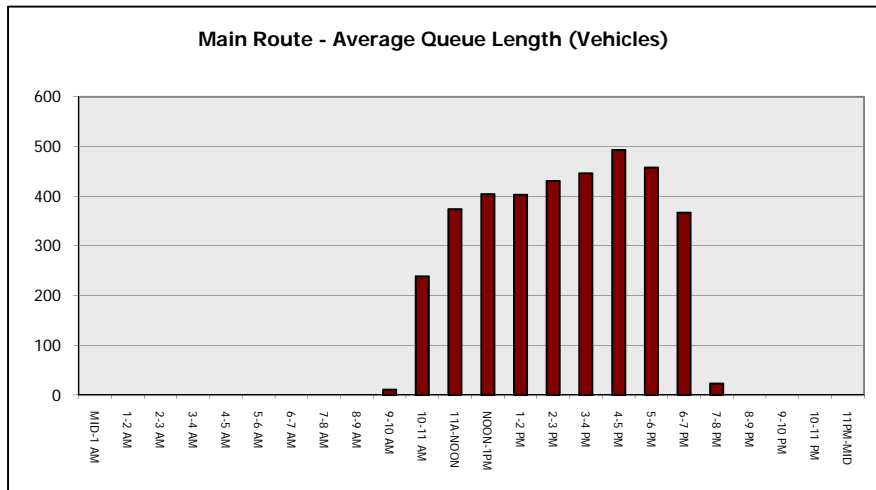
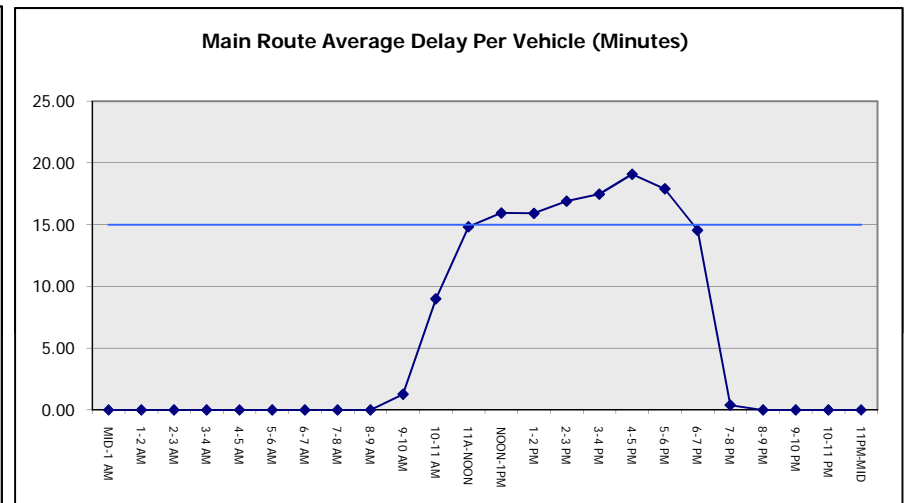
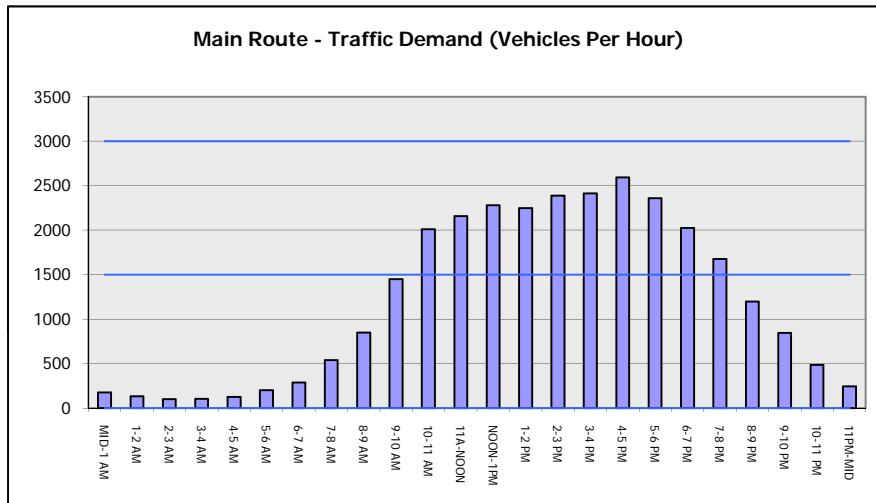
\*Delays Exceeding 15 Minutes

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**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**

**SUNDAY 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**

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	187	0.0	20	0.0	OFF	187	0	20	0.00	0	66.0	66.0	66.0	24.7	24.7
1-2 AM	117	0.0	12	0.0	OFF	117	0	12	0.00	0	66.1	66.1	66.1	24.7	24.7
2-3 AM	96	0.0	10	0.0	OFF	96	0	10	0.00	0	66.2	66.2	66.2	24.8	24.8
3-4 AM	78	0.0	8	0.0	OFF	78	0	8	0.00	0	66.3	66.3	66.3	24.8	24.8
4-5 AM	99	0.0	10	0.0	OFF	99	0	10	0.00	0	66.2	66.2	66.2	24.8	24.8
5-6 AM	169	0.0	19	0.0	OFF	169	0	19	0.00	0	66.1	66.1	66.1	24.7	24.7
6-7 AM	379	0.0	40	0.0	OFF	379	0	40	0.00	0	65.7	65.7	65.7	24.5	24.5
7-8 AM	577	0.0	62	0.0	OFF	577	0	62	0.00	0	65.3	65.3	65.3	24.3	24.3
8-9 AM	921	0.0	99	0.0	OFF	921	0	99	0.00	0	64.6	64.6	64.6	24.1	24.1
9-10 AM	1185	0.0	127	0.0	1500	1185	0	127	0.62	0	64.1	55.3	38.9	23.8	23.8
10-11 AM	1434	0.0	153	0.0	1499	1434	0	153	0.94	0	63.7	51.2	32.2	23.7	23.7
11A-NOON	1549	0.0	166	0.0	1499	1549	0	166	1.81	22	63.5	43.2	30.8	23.6	23.6
NOON-1PM	1506	0.0	161	0.0	1499	1506	0	161	3.19	58	63.6	34.8	30.8	23.6	23.6
1-2 PM	1355	0.0	145	0.0	1500	1355	0	145	1.25	12	63.8	48.2	33.5	23.7	23.7
2-3 PM	1352	0.0	144	0.0	1499	1352	0	144	0.83	0	63.8	52.5	34.2	23.7	23.7
3-4 PM	1525	0.0	163	0.0	1499	1525	0	163	1.33	9	63.5	47.3	31.1	23.6	23.6
4-5 PM	1753	0.0	187	0.0	1500	1753	0	187	6.33	158	63.1	24.0	30.8	23.4	23.4
5-6 PM	1680	0.0	180	0.0	1499	1487	193	373	11.66	287	63.3	15.8	30.8	23.5	22.0
6-7 PM	1346	0.0	144	0.0	1499	1336	10	154	8.55	209	63.9	19.8	31.1	23.7	23.7
7-8 PM	1105	0.0	118	0.0	OFF	1105	0	118	0.05	2	64.3	63.6	63.6	23.9	23.9
8-9 PM	807	0.0	86	0.0	OFF	807	0	86	0.00	0	64.9	64.9	64.9	24.2	24.2
9-10 PM	577	0.0	62	0.0	OFF	577	0	62	0.00	0	65.3	65.3	65.3	24.3	24.3
10-11 PM	391	0.0	42	0.0	OFF	391	0	42	0.00	0	65.6	65.6	65.6	24.5	24.5
11PM-MID	239	0.0	26	0.0	OFF	239	0	26	0.00	0	66.0	66.0	66.0	24.7	24.7

"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	0.0133
MAIN ROUTE WITH WORKS	0.0122
DIVERSION	0.0160

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$16,799
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**  
**SUNDAY NORTHBOUND DIRECTION**

