

**USH 45: STH 33 TO USH 41 (WASHINGTON COUNTY)  
CONTINUOUS (24 HOUR) CLOSURE  
DIVERSION ROUTE: STH 145 - CTH P - STH 60**

**AUGUST**

Analyzed for 2009  
Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR 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	43	0.0	5	0.0	1500	43	0	5	0.43	0	66.3	56.8	45.3	24.8	24.8
1-2 AM	36	0.0	4	0.0	1500	36	0	4	0.43	0	66.3	56.8	45.3	24.8	24.8
2-3 AM	58	0.0	6	0.0	1500	58	0	6	0.43	0	66.3	56.7	45.3	24.8	24.8
3-4 AM	126	0.0	15	0.0	1500	126	0	15	0.43	0	66.1	56.5	45.0	24.7	24.7
4-5 AM	416	0.0	50	0.0	1500	416	0	50	0.46	0	65.6	55.6	43.8	24.5	24.5
5-6 AM	1223	0.0	146	0.0	1499	1223	0	146	0.73	0	64.1	50.1	36.6	23.7	23.7
6-7 AM	2351	0.0	280	0.0	1499	1751	600	880	7.90	199	62.0	15.8	30.8	22.7	18.1
7-8 AM	2467	0.0	294	0.0	1500	1467	1000	1294+	10.12	249	61.2	13.0	30.8	22.6	14.9
8-9 AM	1290	0.0	153	0.0	1499	1191	99	253	2.87	86	64.0	30.6	36.6	23.7	22.9
9-10 AM	889	0.0	106	0.0	1500	889	0	106	0.51	0	64.7	54.2	42.0	24.0	24.0
10-11 AM	848	0.0	102	0.0	1500	848	0	102	0.50	0	64.8	54.3	42.2	24.0	24.0
11A-NOON	845	0.0	101	0.0	1500	845	0	101	0.50	0	64.8	54.3	42.2	24.1	24.1
NOON-1PM	836	0.0	99	0.0	1500	836	0	99	0.50	0	64.8	54.3	42.3	24.1	24.1
1-2 PM	846	0.0	101	0.0	1500	846	0	101	0.50	0	64.8	54.3	42.2	24.1	24.1
2-3 PM	951	0.0	113	0.0	1500	951	0	113	0.51	0	64.6	54.0	41.9	24.0	24.0
3-4 PM	948	0.0	112	0.0	1500	948	0	112	0.51	0	64.6	54.0	41.9	24.0	24.0
4-5 PM	1007	0.0	120	0.0	1500	1007	0	120	0.52	0	64.5	53.8	41.7	23.9	23.9
5-6 PM	968	0.0	116	0.0	1500	968	0	116	0.52	0	64.6	53.9	41.8	24.0	24.0
6-7 PM	678	0.0	81	0.0	1500	678	0	81	0.49	0	65.1	54.8	42.8	24.2	24.2
7-8 PM	453	0.0	54	0.0	1500	453	0	54	0.47	0	65.5	55.5	43.7	24.4	24.4
8-9 PM	400	0.0	48	0.0	1500	400	0	48	0.46	0	65.6	55.6	43.9	24.5	24.5
9-10 PM	327	0.0	39	0.0	1500	327	0	39	0.45	0	65.8	55.8	44.2	24.5	24.5
10-11 PM	253	0.0	30	0.0	1500	253	0	30	0.45	0	65.9	56.1	44.5	24.6	24.6
11PM-MID	101	0.0	12	0.0	1500	101	0	12	0.43	0	66.2	56.6	45.1	24.8	24.8

+ 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	0.0082
MAIN ROUTE WITH WORKS	0.0063
DIVERSION	0.0146

PIA: Personal Injury Accidents

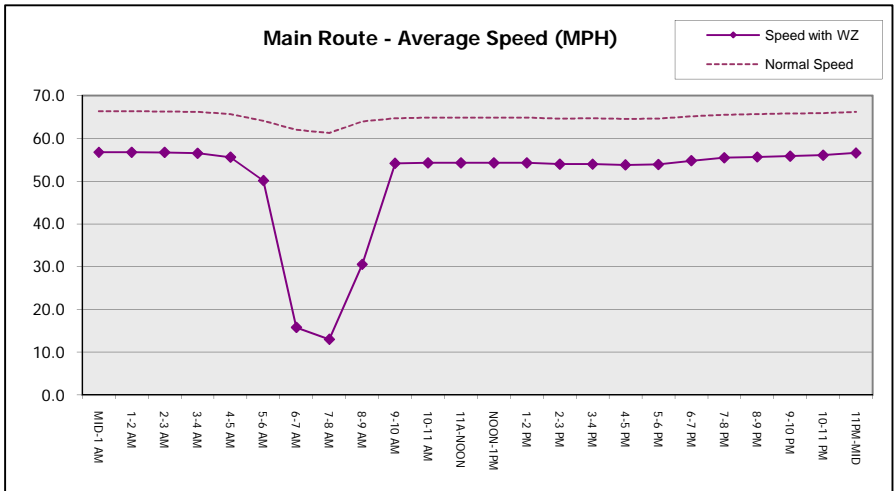
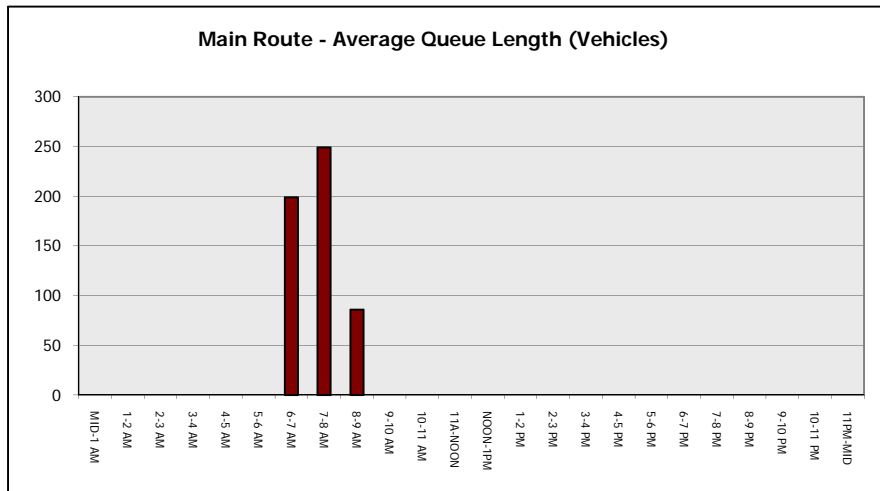
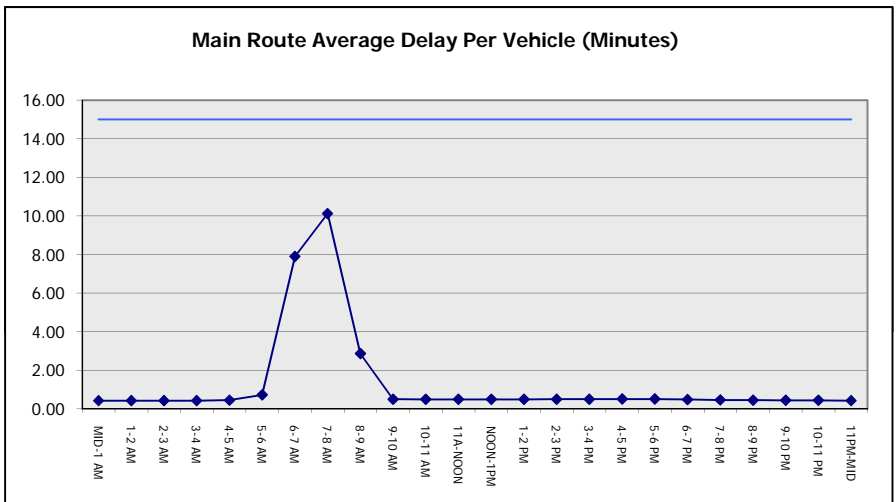
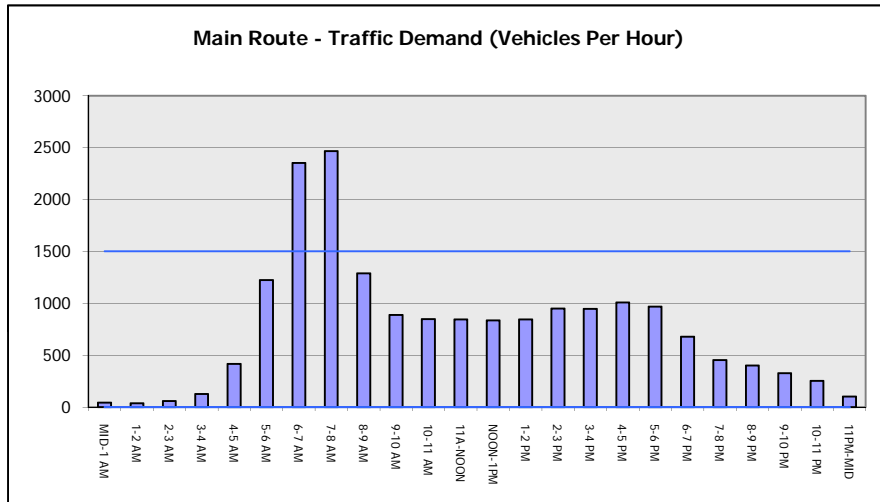
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$11,758
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 45: STH 33 TO USH 41 (WASHINGTON COUNTY)**  
**CONTINUOUS (24 HOUR) CLOSURE**  
**DIVERSION ROUTE: STH 145 - CTH P - STH 60**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR SOUTHBOUND DIRECTION**



<b>USH 45: STH 33 TO USH 41 (WASHINGTON COUNTY)                  CONTINUOUS (24 HOUR) CLOSURE                  DIVERSION ROUTE: STH 145 - CTH P - STH 60</b>	<b>AUGUST</b>
	Analyzed for 2009 Construction Season

**SUMMARY OF TRAFFIC MODEL OUTPUT**

MON-THUR                      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		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	143	0.0	17	0.0	1500	143	0	17	0.44	0	66.1	56.4	44.9	24.7	24.7
1-2 AM	72	0.0	9	0.0	1500	72	0	9	0.43	0	66.3	56.6	45.2	24.8	24.8
2-3 AM	57	0.0	6	0.0	1500	57	0	6	0.43	0	66.3	56.7	45.3	24.8	24.8
3-4 AM	57	0.0	6	0.0	1500	57	0	6	0.43	0	66.3	56.7	45.3	24.8	24.8
4-5 AM	60	0.0	8	0.0	1500	60	0	8	0.43	0	66.3	56.7	45.3	24.8	24.8
5-6 AM	260	0.0	31	0.0	1500	260	0	31	0.45	0	65.9	56.1	44.5	24.6	24.6
6-7 AM	556	0.0	66	0.0	1500	556	0	66	0.48	0	65.3	55.1	43.3	24.3	24.3
7-8 AM	839	0.0	101	0.0	1500	839	0	101	0.50	0	64.8	54.3	42.2	24.1	24.1
8-9 AM	731	0.0	88	0.0	1500	731	0	88	0.49	0	65.0	54.6	42.7	24.2	24.2
9-10 AM	651	0.0	78	0.0	1500	651	0	78	0.49	0	65.1	54.8	42.9	24.2	24.2
10-11 AM	682	0.0	81	0.0	1500	682	0	81	0.49	0	65.1	54.8	42.8	24.2	24.2
11A-NOON	745	0.0	89	0.0	1500	745	0	89	0.49	0	65.0	54.6	42.6	24.2	24.2
NOON-1PM	818	0.0	97	0.0	1500	818	0	97	0.50	0	64.8	54.3	42.4	24.1	24.1
1-2 PM	886	0.0	106	0.0	1500	886	0	106	0.51	0	64.7	54.2	42.1	24.0	24.0
2-3 PM	1222	0.0	146	0.0	1499	1222	0	146	0.67	0	64.1	51.0	37.7	23.7	23.7
3-4 PM	1947	0.0	232	0.0	1499	1687	260	492	5.18	124	62.8	21.4	30.8	23.0	21.1
4-5 PM	2427	0.0	290	0.0	1500	1557	870	1160	9.31	226	61.7	14.0	30.8	22.6	16.0
5-6 PM	2335	0.0	278	0.0	1499	1449	885	1163	9.35	227	62.0	13.9	30.8	22.7	15.9
6-7 PM	1220	0.0	145	0.0	1499	1170	50	195	2.49	75	64.1	32.9	37.0	23.7	23.3
7-8 PM	761	0.0	91	0.0	1500	761	0	91	0.50	0	65.0	54.5	42.5	24.2	24.2
8-9 PM	617	0.0	74	0.0	1500	617	0	74	0.48	0	65.3	55.0	43.0	24.3	24.3
9-10 PM	525	0.0	63	0.0	1500	525	0	63	0.47	0	65.4	55.2	43.4	24.3	24.3
10-11 PM	367	0.0	43	0.0	1500	367	0	43	0.46	0	65.7	55.7	44.0	24.5	24.5
11PM-MID	326	0.0	39	0.0	1500	326	0	39	0.45	0	65.8	55.8	44.2	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	0.0082
MAIN ROUTE WITH WORKS	0.0062
DIVERSION	0.0160

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$13,778
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

**USH 45: STH 33 TO USH 41 (WASHINGTON COUNTY)  
 CONTINUOUS (24 HOUR) CLOSURE  
 DIVERSION ROUTE: STH 145 - CTH P - STH 60**

**AUGUST**  
 Analyzed for 2009  
 Construction Season

**GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT**  
**MON-THUR NORTHBOUND DIRECTION**

