

**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**

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	62	0.0	8	0.0	1500	62	0	8	0.43	0	66.3	56.7	45.3	24.8	24.8
1-2 AM	46	0.0	5	0.0	1500	46	0	5	0.43	0	66.3	56.8	45.3	24.8	24.8
2-3 AM	65	0.0	8	0.0	1500	65	0	8	0.43	0	66.3	56.7	45.2	24.8	24.8
3-4 AM	128	0.0	15	0.0	1500	128	0	15	0.43	0	66.1	56.4	45.0	24.7	24.7
4-5 AM	387	0.0	46	0.0	1500	387	0	46	0.46	0	65.6	55.6	44.0	24.5	24.5
5-6 AM	1122	0.0	134	0.0	1499	1122	0	134	0.66	0	64.3	51.4	38.3	23.8	23.8
6-7 AM	2136	0.0	254	0.0	1499	1708	428	682	7.06	172	62.4	17.3	30.8	22.9	19.6
7-8 AM	2234	0.0	266	0.0	1500	1477	757	1023	8.59	206	62.2	14.9	30.8	22.8	17.0
8-9 AM	1227	0.0	146	0.0	1499	1185	42	187	2.39	70	64.1	33.5	36.8	23.7	23.4
9-10 AM	891	0.0	106	0.0	1500	891	0	106	0.51	0	64.7	54.2	42.0	24.0	24.0
10-11 AM	871	0.0	104	0.0	1500	871	0	104	0.51	0	64.8	54.2	42.2	24.0	24.0
11A-NOON	882	0.0	105	0.0	1500	882	0	105	0.51	0	64.8	54.2	42.1	24.0	24.0
NOON-1PM	889	0.0	106	0.0	1500	889	0	106	0.51	0	64.7	54.2	42.0	24.0	24.0
1-2 PM	914	0.0	109	0.0	1500	914	0	109	0.51	0	64.7	54.0	42.0	24.0	24.0
2-3 PM	1000	0.0	119	0.0	1500	1000	0	119	0.52	0	64.5	53.8	41.7	23.9	23.9
3-4 PM	1004	0.0	120	0.0	1500	1004	0	120	0.52	0	64.5	53.8	41.7	23.9	23.9
4-5 PM	1027	0.0	122	0.0	1500	1027	0	122	0.52	0	64.5	53.7	41.6	23.9	23.9
5-6 PM	996	0.0	119	0.0	1500	996	0	119	0.52	0	64.5	53.8	41.7	23.9	23.9
6-7 PM	749	0.0	90	0.0	1500	749	0	90	0.50	0	65.0	54.5	42.6	24.2	24.2
7-8 PM	504	0.0	61	0.0	1500	504	0	61	0.47	0	65.5	55.3	43.5	24.4	24.4
8-9 PM	401	0.0	48	0.0	1500	401	0	48	0.46	0	65.6	55.6	43.9	24.5	24.5
9-10 PM	355	0.0	42	0.0	1500	355	0	42	0.46	0	65.7	55.8	44.1	24.5	24.5
10-11 PM	289	0.0	35	0.0	1500	289	0	35	0.45	0	65.8	56.0	44.3	24.6	24.6
11PM-MID	175	0.0	21	0.0	1500	175	0	21	0.44	0	66.1	56.3	44.8	24.7	24.7

*----- 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	0.0065
DIVERSION	0.0128

PIA: Personal Injury Accidents

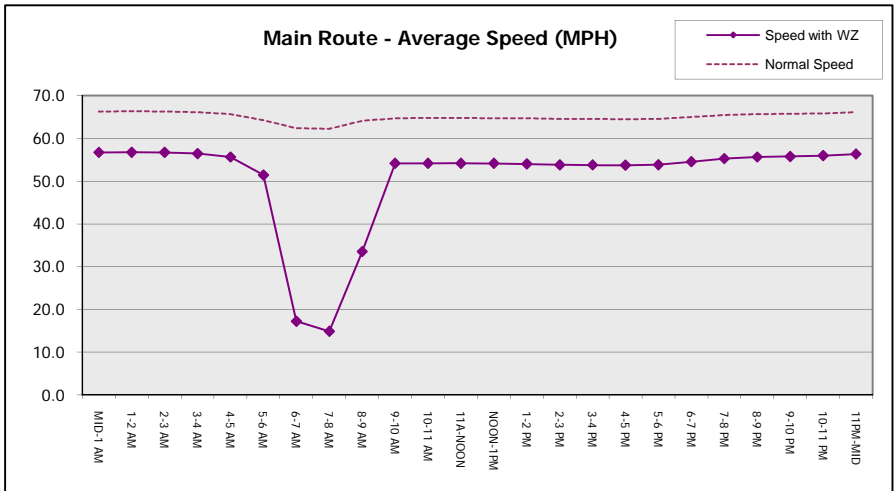
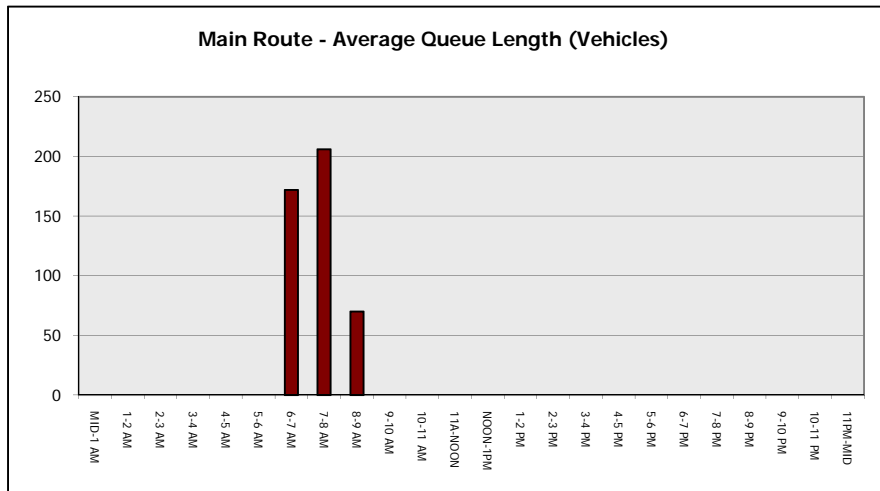
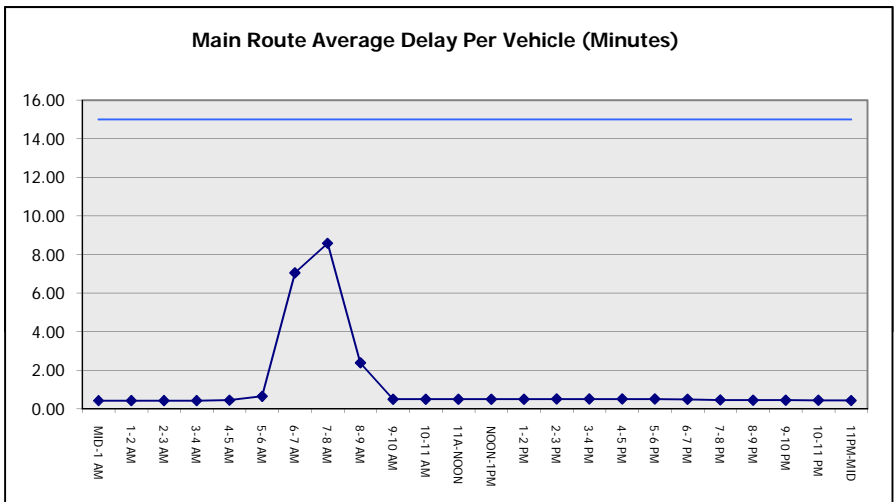
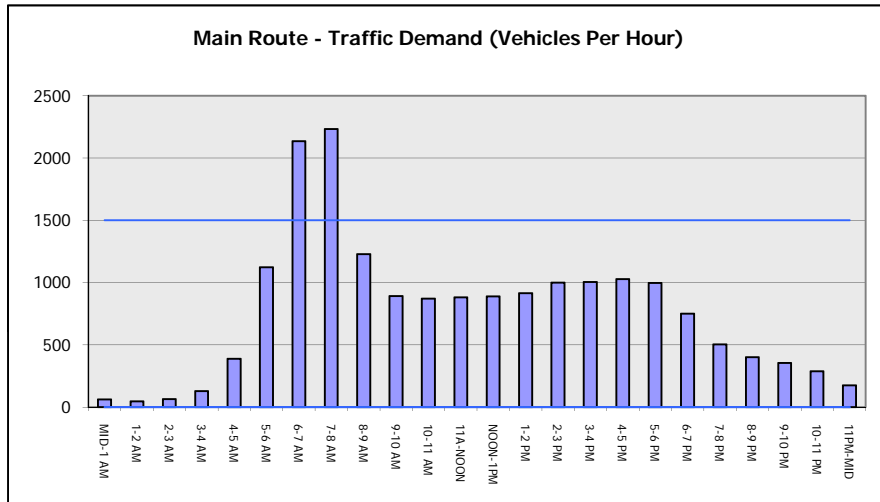
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$9,740
CONGESTED HOURS PER DAY*	0

\*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**  
**FRIDAY 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**

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	165	0.0	19	0.0	1500	165	0	19	0.44	0	66.1	56.4	44.8	24.7	24.7
1-2 AM	102	0.0	12	0.0	1500	102	0	12	0.43	0	66.2	56.6	45.1	24.8	24.8
2-3 AM	82	0.0	10	0.0	1500	82	0	10	0.43	0	66.3	56.6	45.1	24.8	24.8
3-4 AM	64	0.0	8	0.0	1500	64	0	8	0.43	0	66.3	56.7	45.2	24.8	24.8
4-5 AM	69	0.0	9	0.0	1500	69	0	9	0.43	0	66.3	56.7	45.2	24.8	24.8
5-6 AM	249	0.0	29	0.0	1500	249	0	29	0.45	0	66.0	56.1	44.5	24.6	24.6
6-7 AM	539	0.0	64	0.0	1500	539	0	64	0.47	0	65.4	55.2	43.3	24.3	24.3
7-8 AM	821	0.0	97	0.0	1500	821	0	97	0.50	0	64.8	54.3	42.3	24.1	24.1
8-9 AM	688	0.0	82	0.0	1500	688	0	82	0.49	0	65.1	54.7	42.8	24.2	24.2
9-10 AM	688	0.0	82	0.0	1500	688	0	82	0.49	0	65.1	54.7	42.8	24.2	24.2
10-11 AM	749	0.0	90	0.0	1500	749	0	90	0.50	0	65.0	54.5	42.6	24.2	24.2
11A-NOON	905	0.0	108	0.0	1500	905	0	108	0.51	0	64.7	54.1	42.0	24.0	24.0
NOON-1PM	1033	0.0	123	0.0	1500	1033	0	123	0.52	0	64.5	53.7	41.5	23.9	23.9
1-2 PM	1095	0.0	131	0.0	1499	1095	0	131	0.54	0	64.3	53.3	40.9	23.8	23.8
2-3 PM	1417	0.0	169	0.0	1499	1417	0	169	1.00	3	63.7	46.3	33.0	23.5	23.5
3-4 PM	1951	0.0	232	0.0	1500	1664	286	519	5.90	139	62.7	19.6	30.8	23.0	20.9
4-5 PM	2215	0.0	264	0.0	1500	1525	690	954	8.25	196	62.3	15.3	30.8	22.8	17.5
5-6 PM	2061	0.0	245	0.0	1499	1459	602	847	7.78	184	62.5	16.1	30.8	23.0	18.3
6-7 PM	1208	0.0	144	0.0	1499	1186	22	166	2.12	59	64.1	35.5	36.6	23.7	23.6
7-8 PM	798	0.0	95	0.0	1500	798	0	95	0.50	0	64.9	54.4	42.4	24.1	24.1
8-9 PM	633	0.0	76	0.0	1500	633	0	76	0.48	0	65.2	54.9	43.0	24.3	24.3
9-10 PM	609	0.0	72	0.0	1500	609	0	72	0.48	0	65.3	55.0	43.1	24.3	24.3
10-11 PM	560	0.0	67	0.0	1500	560	0	67	0.48	0	65.3	55.1	43.3	24.3	24.3
11PM-MID	448	0.0	53	0.0	1500	448	0	53	0.47	0	65.6	55.5	43.7	24.4	24.4

*----- 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	0.0085
MAIN ROUTE WITH WORKS	0.0067
DIVERSION	0.0146

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY ( DOLLARS)	\$12,214
CONGESTED HOURS PER DAY*	0

\*Delays Exceeding 15 Minutes

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 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**  
**FRIDAY NORTHBOUND DIRECTION**

