

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

OCTOBER

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	45	0.0	5	0.0	1500	45	0	5	0.43	0	66.3	56.8	45.3	24.8	24.8
1-2 AM	28	0.0	3	0.0	1500	28	0	3	0.43	0	66.3	56.8	45.4	24.8	24.8
2-3 AM	71	0.0	9	0.0	1500	71	0	9	0.43	0	66.3	56.6	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	367	0.0	43	0.0	1500	367	0	43	0.46	0	65.7	55.7	44.0	24.5	24.5
5-6 AM	1134	0.0	135	0.0	1499	1134	0	135	0.67	0	64.3	51.1	37.8	23.8	23.8
6-7 AM	2295	0.0	274	0.0	1499	1739	557	830	7.68	192	62.1	16.1	30.8	22.7	18.4
7-8 AM	2339	0.0	279	0.0	1500	1460	878	1157	9.31	226	62.0	14.0	30.8	22.7	16.0
8-9 AM	1321	0.0	157	0.0	1499	1236	85	242	3.08	87	63.9	29.4	35.5	23.7	23.0
9-10 AM	898	0.0	107	0.0	1500	898	0	107	0.51	0	64.7	54.1	42.0	24.0	24.0
10-11 AM	878	0.0	105	0.0	1500	878	0	105	0.51	0	64.8	54.2	42.1	24.0	24.0
11A-NOON	848	0.0	101	0.0	1500	848	0	101	0.50	0	64.8	54.3	42.2	24.1	24.1
NOON-1PM	873	0.0	104	0.0	1500	873	0	104	0.51	0	64.8	54.2	42.1	24.0	24.0
1-2 PM	895	0.0	107	0.0	1500	895	0	107	0.51	0	64.7	54.1	42.0	24.0	24.0
2-3 PM	956	0.0	114	0.0	1500	956	0	114	0.51	0	64.6	53.9	41.9	24.0	24.0
3-4 PM	947	0.0	112	0.0	1500	947	0	112	0.51	0	64.6	54.0	41.9	24.0	24.0
4-5 PM	1041	0.0	124	0.0	1500	1041	0	124	0.52	0	64.5	53.7	41.5	23.9	23.9
5-6 PM	1018	0.0	121	0.0	1500	1018	0	121	0.52	0	64.5	53.7	41.6	23.9	23.9
6-7 PM	785	0.0	94	0.0	1500	785	0	94	0.50	0	64.9	54.5	42.4	24.1	24.1
7-8 PM	480	0.0	57	0.0	1500	480	0	57	0.47	0	65.5	55.4	43.6	24.4	24.4
8-9 PM	361	0.0	43	0.0	1500	361	0	43	0.46	0	65.7	55.8	44.0	24.5	24.5
9-10 PM	380	0.0	45	0.0	1500	380	0	45	0.46	0	65.7	55.7	44.0	24.5	24.5
10-11 PM	291	0.0	35	0.0	1500	291	0	35	0.45	0	65.8	56.0	44.3	24.6	24.6
11PM-MID	171	0.0	21	0.0	1500	171	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	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	0.0083
MAIN ROUTE WITH WORKS	0.0065
DIVERSION	0.0140

PIA: Personal Injury Accidents

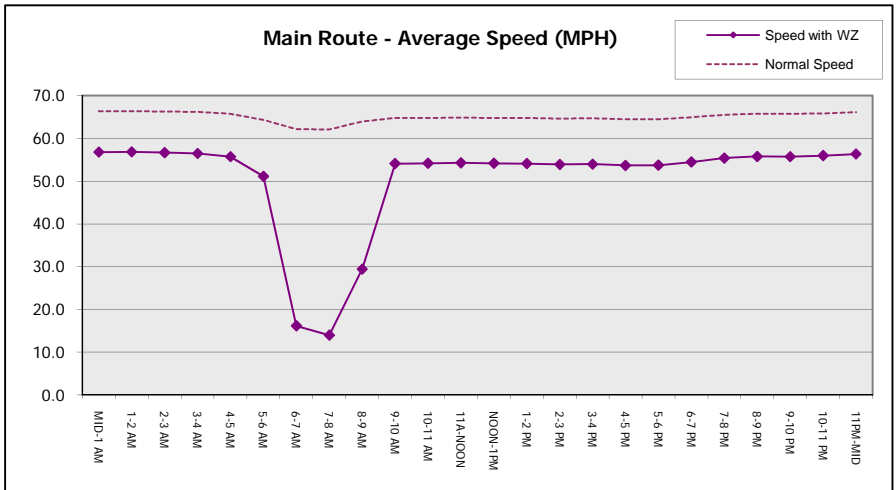
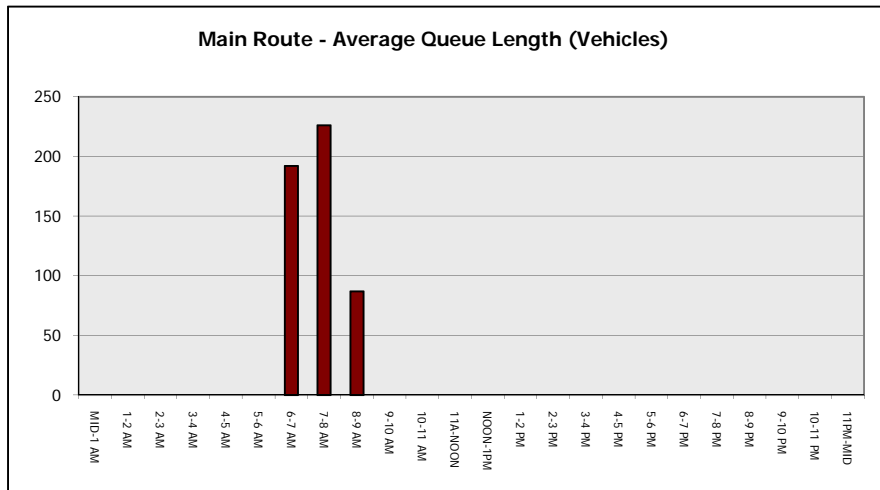
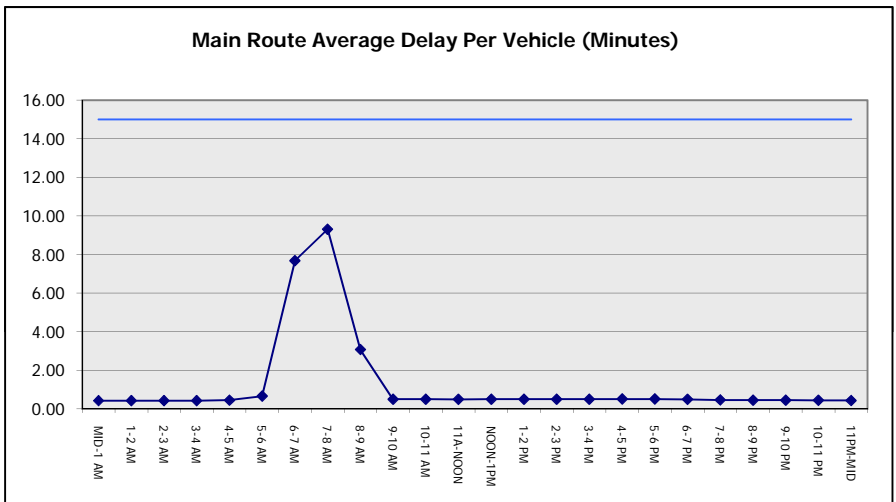
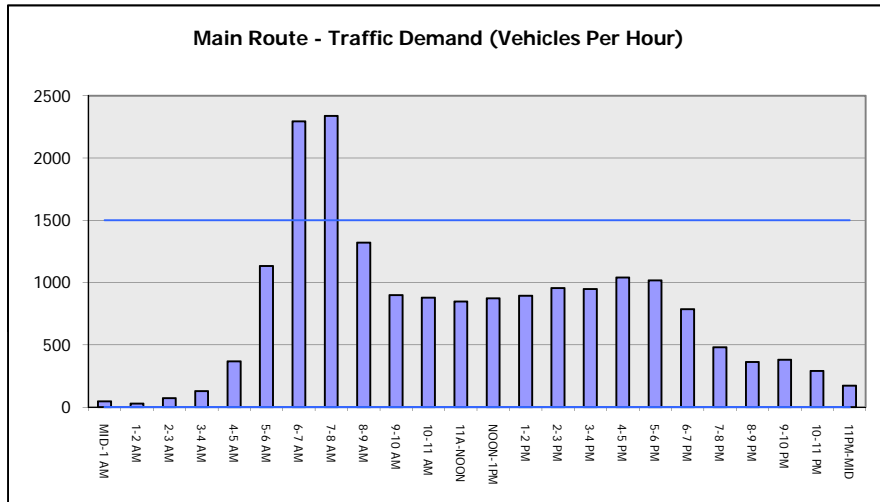
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$11,154
CONGESTED HOURS PER DAY*	0

*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**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 45: STH 33 TO USH 41 (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 145 - CTH P - STH 60	OCTOBER
	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	136	0.0	16	0.0	1500	136	0	16	0.44	0	66.1	56.4	45.0	24.7	24.7
1-2 AM	84	0.0	10	0.0	1500	84	0	10	0.43	0	66.2	56.6	45.1	24.8	24.8
2-3 AM	81	0.0	10	0.0	1500	81	0	10	0.43	0	66.3	56.6	45.1	24.8	24.8
3-4 AM	58	0.0	6	0.0	1500	58	0	6	0.43	0	66.3	56.7	45.3	24.8	24.8
4-5 AM	77	0.0	9	0.0	1500	77	0	9	0.43	0	66.3	56.6	45.2	24.8	24.8
5-6 AM	213	0.0	25	0.0	1500	213	0	25	0.44	0	66.0	56.2	44.6	24.7	24.7
6-7 AM	561	0.0	67	0.0	1500	561	0	67	0.48	0	65.3	55.1	43.3	24.3	24.3
7-8 AM	878	0.0	105	0.0	1500	878	0	105	0.51	0	64.8	54.2	42.1	24.0	24.0
8-9 AM	767	0.0	92	0.0	1500	767	0	92	0.50	0	65.0	54.5	42.5	24.2	24.2
9-10 AM	668	0.0	80	0.0	1500	668	0	80	0.49	0	65.1	54.8	42.8	24.2	24.2
10-11 AM	766	0.0	91	0.0	1500	766	0	91	0.50	0	65.0	54.5	42.5	24.2	24.2
11A-NOON	866	0.0	103	0.0	1500	866	0	103	0.51	0	64.8	54.2	42.2	24.0	24.0
NOON-1PM	985	0.0	118	0.0	1500	985	0	118	0.52	0	64.5	53.8	41.7	23.9	23.9
1-2 PM	1024	0.0	122	0.0	1500	1024	0	122	0.52	0	64.5	53.7	41.6	23.9	23.9
2-3 PM	1364	0.0	162	0.0	1499	1364	0	162	0.84	0	63.8	48.4	34.2	23.6	23.6
3-4 PM	2013	0.0	240	0.0	1499	1688	325	565	5.99	143	62.7	19.4	30.8	23.0	20.5
4-5 PM	2353	0.0	280	0.0	1500	1536	817	1097	8.98	216	62.0	14.4	30.8	22.7	16.4
5-6 PM	2113	0.0	252	0.0	1499	1443	670	922	8.11	193	62.5	15.5	30.8	22.9	17.8
6-7 PM	1302	0.0	156	0.0	1499	1265	37	193	2.98	81	64.0	30.0	35.1	23.7	23.3
7-8 PM	790	0.0	94	0.0	1500	790	0	94	0.50	0	64.9	54.4	42.4	24.1	24.1
8-9 PM	594	0.0	70	0.0	1500	594	0	70	0.48	0	65.3	55.0	43.2	24.3	24.3
9-10 PM	599	0.0	71	0.0	1500	599	0	71	0.48	0	65.3	55.0	43.2	24.3	24.3
10-11 PM	480	0.0	57	0.0	1500	480	0	57	0.47	0	65.5	55.4	43.6	24.4	24.4
11PM-MID	375	0.0	44	0.0	1500	375	0	44	0.46	0	65.7	55.7	44.0	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	0.0085
MAIN ROUTE WITH WORKS	0.0066
DIVERSION	0.0155

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$13,463
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**

OCTOBER
 Analyzed for 2009
 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY NORTHBOUND DIRECTION

