

**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

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	36	0.0	4	0.0	1500	36	0	4	0.43	0	66.3	56.8	45.3	24.8	24.8
1-2 AM	29	0.0	3	0.0	1500	29	0	3	0.43	0	66.3	56.8	45.4	24.8	24.8
2-3 AM	60	0.0	8	0.0	1500	60	0	8	0.43	0	66.3	56.7	45.3	24.8	24.8
3-4 AM	122	0.0	15	0.0	1500	122	0	15	0.43	0	66.1	56.5	45.0	24.7	24.7
4-5 AM	394	0.0	46	0.0	1500	394	0	46	0.46	0	65.6	55.6	43.9	24.5	24.5
5-6 AM	1266	0.0	151	0.0	1499	1266	0	151	0.84	2	64.0	48.6	36.2	23.7	23.7
6-7 AM	2452	0.0	292	0.0	1500	1762	690	982	8.24	212	61.4	15.3	30.8	22.6	17.3
7-8 AM	2551	0.0	304	0.0	1500	1460	1091	1395+	10.79	268	60.4	12.4	30.8	22.5	14.2
8-9 AM	1363	0.0	162	0.0	1499	1213	149	312	3.35	96	63.8	28.1	35.6	23.6	22.5
9-10 AM	872	0.0	104	0.0	1500	872	0	104	0.51	0	64.8	54.2	42.1	24.0	24.0
10-11 AM	780	0.0	93	0.0	1500	780	0	93	0.50	0	65.0	54.5	42.5	24.2	24.2
11A-NOON	774	0.0	92	0.0	1500	774	0	92	0.50	0	65.0	54.5	42.5	24.2	24.2
NOON-1PM	774	0.0	92	0.0	1500	774	0	92	0.50	0	65.0	54.5	42.5	24.2	24.2
1-2 PM	807	0.0	96	0.0	1500	807	0	96	0.50	0	64.9	54.4	42.4	24.1	24.1
2-3 PM	874	0.0	104	0.0	1500	874	0	104	0.51	0	64.8	54.2	42.1	24.0	24.0
3-4 PM	945	0.0	112	0.0	1500	945	0	112	0.51	0	64.6	54.0	41.9	24.0	24.0
4-5 PM	971	0.0	116	0.0	1500	971	0	116	0.52	0	64.6	53.9	41.8	24.0	24.0
5-6 PM	950	0.0	114	0.0	1500	950	0	114	0.51	0	64.6	54.0	41.9	24.0	24.0
6-7 PM	665	0.0	79	0.0	1500	665	0	79	0.49	0	65.1	54.8	42.9	24.2	24.2
7-8 PM	413	0.0	49	0.0	1500	413	0	49	0.46	0	65.6	55.6	43.8	24.5	24.5
8-9 PM	328	0.0	39	0.0	1500	328	0	39	0.45	0	65.8	55.8	44.2	24.5	24.5
9-10 PM	290	0.0	35	0.0	1500	290	0	35	0.45	0	65.8	56.0	44.3	24.6	24.6
10-11 PM	228	0.0	27	0.0	1500	228	0	27	0.44	0	66.0	56.1	44.6	24.7	24.7
11PM-MID	85	0.0	10	0.0	1500	85	0	10	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	0.0080
MAIN ROUTE WITH WORKS	0.0061
DIVERSION	0.0153

PIA: Personal Injury Accidents

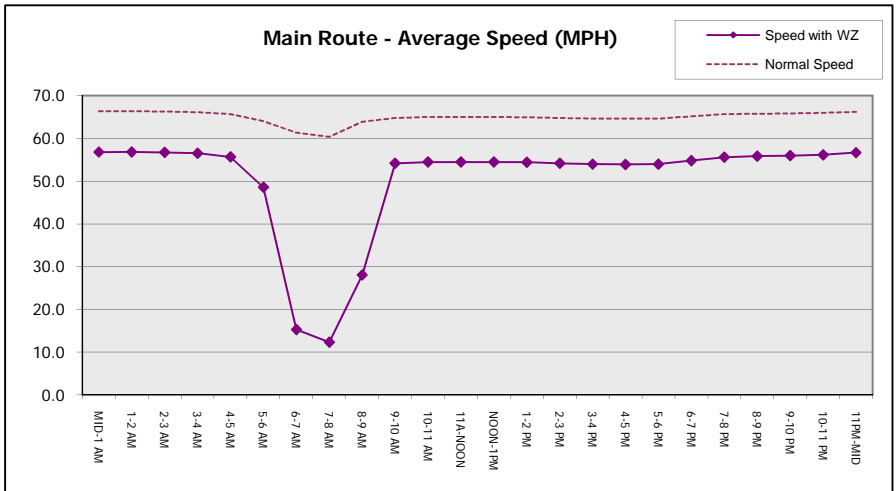
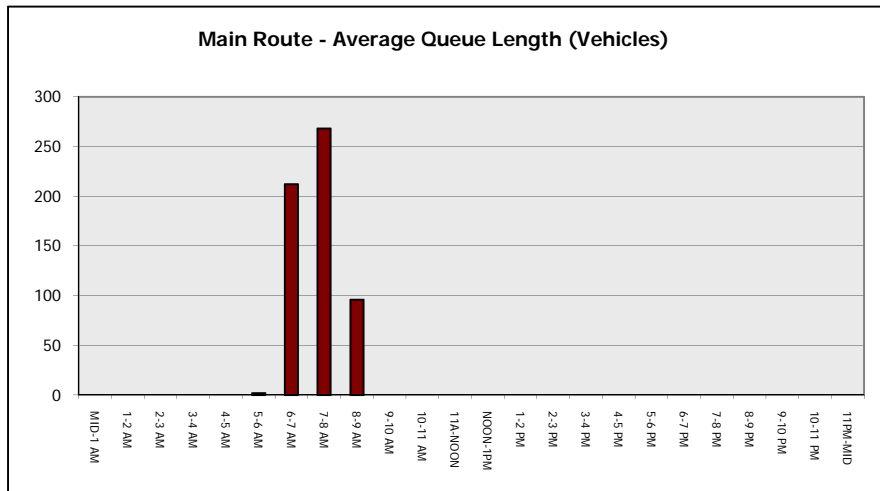
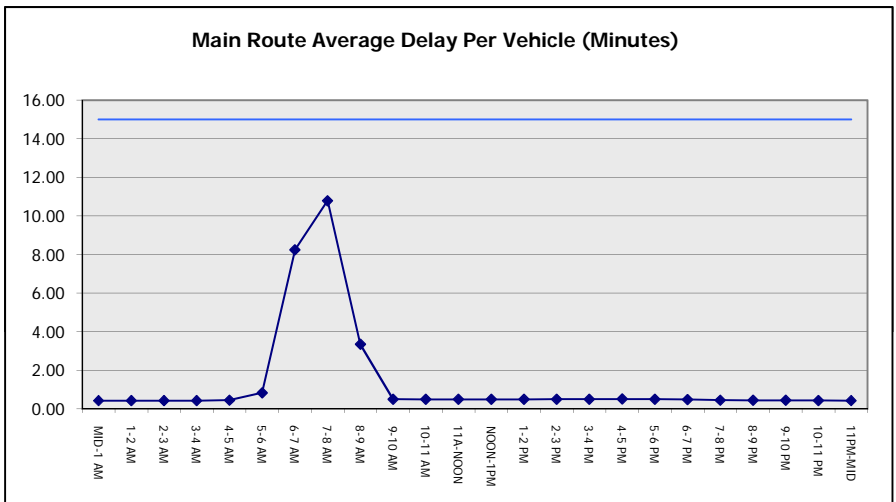
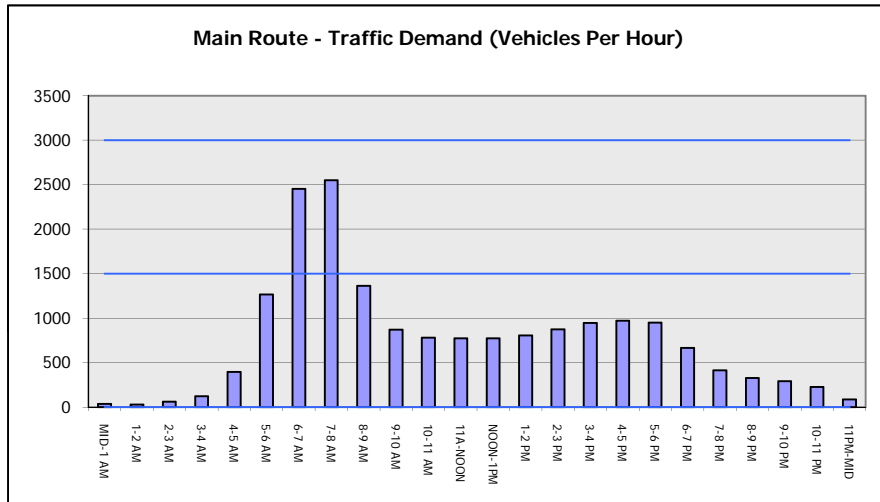
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$12,879
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 145 - CTH P - STH 60**

OCTOBER
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 Construction Season

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

MON-THUR NORTHBOUND DIRECTION

TIME OF DAY	FLOWS AND CAPACITY IN VEH/HR							AVERAGE SPEEDS IN MPH			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	111	0.0	13	0.0	1500	111	0	13	0.43	0	66.2	56.5	45.0	24.7	24.7
1-2 AM	62	0.0	8	0.0	1500	62	0	8	0.43	0	66.3	56.7	45.3	24.8	24.8
2-3 AM	55	0.0	6	0.0	1500	55	0	6	0.43	0	66.3	56.7	45.3	24.8	24.8
3-4 AM	54	0.0	6	0.0	1500	54	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	212	0.0	25	0.0	1500	212	0	25	0.44	0	66.0	56.2	44.6	24.7	24.7
6-7 AM	567	0.0	68	0.0	1500	567	0	68	0.48	0	65.3	55.1	43.2	24.3	24.3
7-8 AM	903	0.0	108	0.0	1500	903	0	108	0.51	0	64.7	54.1	42.0	24.0	24.0
8-9 AM	778	0.0	93	0.0	1500	778	0	93	0.50	0	65.0	54.5	42.5	24.2	24.2
9-10 AM	645	0.0	77	0.0	1500	645	0	77	0.48	0	65.2	54.8	43.0	24.3	24.3
10-11 AM	650	0.0	78	0.0	1500	650	0	78	0.49	0	65.1	54.8	42.9	24.2	24.2
11A-NOON	711	0.0	84	0.0	1500	711	0	84	0.49	0	65.1	54.6	42.7	24.2	24.2
NOON-1PM	783	0.0	93	0.0	1500	783	0	93	0.50	0	65.0	54.5	42.5	24.2	24.2
1-2 PM	838	0.0	99	0.0	1500	838	0	99	0.50	0	64.8	54.3	42.2	24.1	24.1
2-3 PM	1206	0.0	144	0.0	1499	1206	0	144	0.67	0	64.1	51.1	37.9	23.7	23.7
3-4 PM	1958	0.0	234	0.0	1499	1690	268	501	5.21	125	62.7	21.3	30.8	23.0	21.0
4-5 PM	2493	0.0	297	0.0	1500	1569	924	1222+	9.65	236	61.0	13.5	30.8	22.5	15.5
5-6 PM	2404	0.0	287	0.0	1499	1445	960	1246+	9.84	241	61.9	13.4	30.8	22.7	15.3
6-7 PM	1231	0.0	147	0.0	1499	1166	65	212	2.61	79	64.1	32.1	37.1	23.7	23.2
7-8 PM	730	0.0	87	0.0	1500	730	0	87	0.49	0	65.0	54.6	42.7	24.2	24.2
8-9 PM	563	0.0	67	0.0	1500	563	0	67	0.48	0	65.3	55.1	43.3	24.3	24.3
9-10 PM	491	0.0	58	0.0	1500	491	0	58	0.47	0	65.5	55.3	43.5	24.4	24.4
10-11 PM	304	0.0	36	0.0	1500	304	0	36	0.45	0	65.8	55.9	44.3	24.6	24.6
11PM-MID	271	0.0	32	0.0	1500	271	0	32	0.45	0	65.9	56.0	44.4	24.6	24.6

+ 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	0.0081
MAIN ROUTE WITH WORKS	0.0060
DIVERSION	0.0164

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$14,573
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**

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MON-THUR NORTHBOUND DIRECTION

