

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
CONTINUOUS (24 HOUR) CLOSURE
DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

MAY
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	306	0.0	21	0.0	3000	306	0	21	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	213	0.0	14	0.0	3000	213	0	14	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	196	0.0	13	0.0	3000	196	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	255	0.0	17	0.0	3000	255	0	17	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	552	0.0	37	0.0	3000	552	0	37	0.36	0	70.0	59.3	49.7	24.5	24.5
5-6 AM	1738	0.0	116	0.0	3000	1738	0	116	0.34	0	68.6	58.7	49.7	24.0	24.0
6-7 AM	3496	0.0	235	0.0	2999	3496	0	235	2.99	174	66.4	27.2	37.3	23.0	23.0
7-8 AM	4103	0.0	276	0.0	2999	3271	832	1108	13.28	705	62.8	11.5	37.3	22.7	18.2
8-9 AM	2653	0.0	178	0.0	2999	2385	268	446	8.00	437	67.4	15.2	39.4	23.5	22.2
9-10 AM	2140	0.0	144	0.0	3000	2140	0	144	0.51	14	68.1	54.5	49.7	23.7	23.7
10-11 AM	2003	0.0	135	0.0	3000	2003	0	135	0.33	0	68.2	58.6	49.7	23.8	23.8
11A-NOON	2140	0.0	144	0.0	3000	2140	0	144	0.33	0	68.1	58.5	49.7	23.7	23.7
NOON-1PM	2234	0.0	150	0.0	3000	2234	0	150	0.33	0	67.9	58.4	49.7	23.7	23.7
1-2 PM	2261	0.0	152	0.0	3000	2261	0	152	0.33	0	67.9	58.4	49.7	23.7	23.7
2-3 PM	2580	0.0	173	0.0	3000	2580	0	173	0.45	0	67.5	55.3	45.0	23.5	23.5
3-4 PM	2897	0.0	194	0.0	3000	2897	0	194	0.66	0	67.1	50.8	38.9	23.3	23.3
4-5 PM	2846	0.0	191	0.0	3000	2846	0	191	0.63	0	67.2	51.4	39.7	23.3	23.3
5-6 PM	2652	0.0	178	0.0	3000	2652	0	178	0.50	0	67.4	54.2	43.4	23.5	23.5
6-7 PM	2094	0.0	141	0.0	3000	2094	0	141	0.33	0	68.1	58.5	49.7	23.8	23.8
7-8 PM	1545	0.0	104	0.0	3000	1545	0	104	0.34	0	68.8	58.8	49.7	24.0	24.0
8-9 PM	1250	0.0	84	0.0	3000	1250	0	84	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	1185	0.0	79	0.0	3000	1185	0	79	0.35	0	69.2	58.9	49.7	24.2	24.2
10-11 PM	948	0.0	64	0.0	3000	948	0	64	0.35	0	69.6	59.1	49.7	24.3	24.3
11PM-MID	758	0.0	50	0.0	3000	758	0	50	0.35	0	69.8	59.2	49.7	24.5	24.5

----- 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	0.0157
MAIN ROUTE WITH WORKS	0.0126
DIVERSION	0.0192

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS

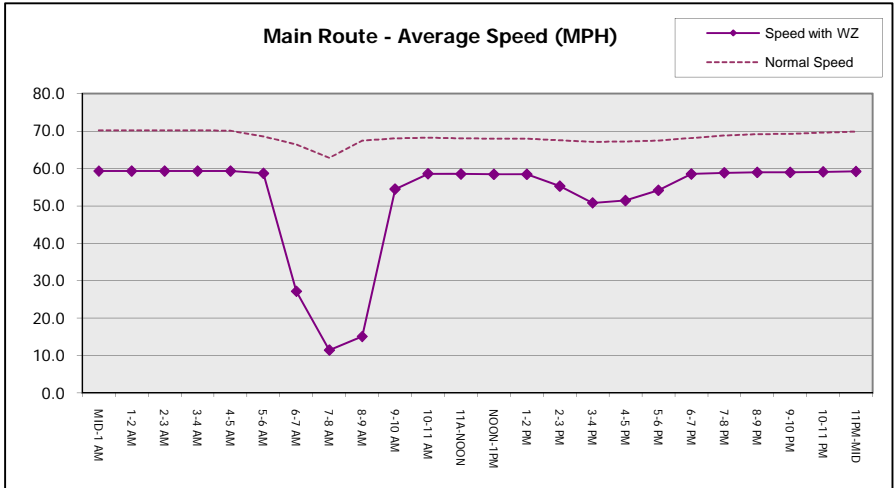
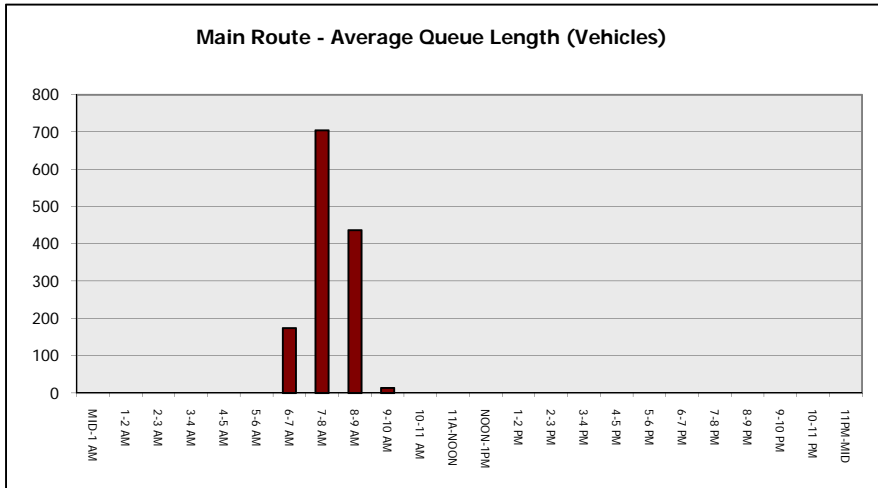
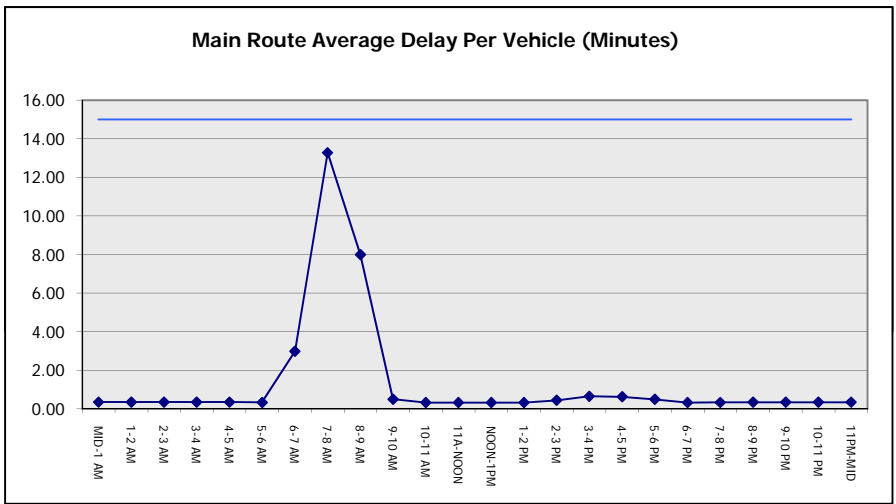
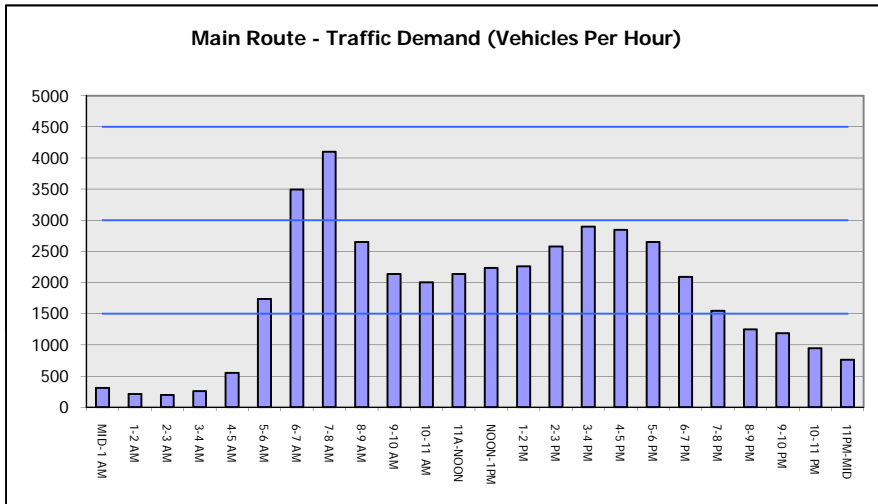
ROAD USER COSTS PER DAY (DOLLARS)	\$23,331
CONGESTED HOURS PER DAY*	0

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

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GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
FRIDAY SOUTHBOUND DIRECTION



USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) CLOSURE DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD	MAY
	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	387	0.0	26	0.0	3000	387	0	26	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	242	0.0	16	0.0	3000	242	0	16	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	210	0.0	14	0.0	3000	210	0	14	0.36	0	70.2	59.3	49.7	24.7	24.7
3-4 AM	236	0.0	15	0.0	3000	236	0	15	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	445	0.0	30	0.0	3000	445	0	30	0.36	0	70.2	59.3	49.7	24.6	24.6
5-6 AM	1132	0.0	76	0.0	3000	1132	0	76	0.35	0	69.3	59.0	49.7	24.3	24.3
6-7 AM	2165	0.0	145	0.0	3000	2165	0	145	0.33	0	68.1	58.4	49.7	23.7	23.7
7-8 AM	2122	0.0	142	0.0	3000	2122	0	142	0.33	0	68.1	58.5	49.7	23.7	23.7
8-9 AM	1943	0.0	131	0.0	3000	1943	0	131	0.34	0	68.3	58.6	49.7	23.8	23.8
9-10 AM	2021	0.0	136	0.0	3000	2021	0	136	0.33	0	68.2	58.6	49.7	23.8	23.8
10-11 AM	2131	0.0	143	0.0	3000	2131	0	143	0.33	0	68.1	58.5	49.7	23.7	23.7
11A-NOON	2421	0.0	163	0.0	3000	2421	0	163	0.35	0	67.8	57.8	48.8	23.6	23.6
NOON-1PM	2629	0.0	177	0.0	3000	2629	0	177	0.49	0	67.4	54.5	43.9	23.5	23.5
1-2 PM	2791	0.0	187	0.0	2999	2791	0	187	0.59	0	67.3	52.2	40.8	23.4	23.4
2-3 PM	3455	0.0	232	0.0	2999	3455	0	232	3.31	182	66.4	25.6	37.3	23.0	23.0
3-4 PM	4212	0.0	283	0.0	2999	3421	791	1074	13.06	699	62.1	11.6	37.3	22.7	18.4
4-5 PM	4740	0.0	318	0.0	3000	3225	1515	1833+	19.30	1052	58.5	9.9	37.3	22.4	14.6
5-6 PM	4197	0.0	282	0.0	3000	2795	1402	1684+	19.25	1036	62.2	9.9	37.3	22.7	14.7
6-7 PM	2754	0.0	185	0.0	2999	2332	421	607	9.53	517	67.3	13.7	38.6	23.4	21.3
7-8 PM	1967	0.0	132	0.0	3000	1967	0	132	0.64	29	68.3	51.8	49.7	23.8	23.8
8-9 PM	1535	0.0	103	0.0	3000	1535	0	103	0.34	0	68.8	58.8	49.7	24.0	24.0
9-10 PM	1474	0.0	99	0.0	3000	1474	0	99	0.34	0	68.9	58.8	49.7	24.1	24.1
10-11 PM	1355	0.0	91	0.0	3000	1355	0	91	0.35	0	69.1	58.9	49.7	24.2	24.2
11PM-MID	874	0.0	59	0.0	3000	874	0	59	0.35	0	69.7	59.1	49.7	24.4	24.4

+ 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	0.0174
MAIN ROUTE WITH WORKS	0.0130
DIVERSION	0.0352

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$64,374
CONGESTED HOURS PER DAY*	2

*Delays Exceeding 15 Minutes

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 CONTINUOUS (24 HOUR) CLOSURE
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 Construction Season

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FRIDAY NORTHBOUND DIRECTION

