

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

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	256	0.0	17	0.0	3000	256	0	17	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	162	0.0	11	0.0	3000	162	0	11	0.36	0	70.2	59.3	49.7	24.8	24.8
2-3 AM	156	0.0	10	0.0	3000	156	0	10	0.36	0	70.2	59.3	49.7	24.8	24.8
3-4 AM	253	0.0	17	0.0	3000	253	0	17	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	541	0.0	36	0.0	3000	541	0	36	0.36	0	70.0	59.3	49.7	24.6	24.6
5-6 AM	1773	0.0	119	0.0	3000	1773	0	119	0.34	0	68.6	58.7	49.7	23.9	23.9
6-7 AM	3661	0.0	246	0.0	2999	3661	0	246	4.10	253	65.8	23.0	37.3	23.0	23.3
7-8 AM	4222	0.0	284	0.0	2999	3179	1043	1327+	15.07	805	62.0	10.9	37.3	22.7	16.8
8-9 AM	2735	0.0	184	0.0	2999	2374	362	546	9.10	491	67.3	14.0	38.6	23.4	21.6
9-10 AM	2046	0.0	138	0.0	3000	2046	0	138	0.62	26	68.2	52.3	49.7	23.8	23.8
10-11 AM	1969	0.0	133	0.0	3000	1969	0	133	0.34	0	68.3	58.6	49.7	23.8	23.8
11A-NOON	1990	0.0	134	0.0	3000	1990	0	134	0.33	0	68.2	58.6	49.7	23.8	23.8
NOON-1PM	2048	0.0	138	0.0	3000	2048	0	138	0.33	0	68.2	58.5	49.7	23.8	23.8
1-2 PM	2077	0.0	140	0.0	3000	2077	0	140	0.33	0	68.1	58.5	49.7	23.8	23.8
2-3 PM	2410	0.0	161	0.0	3000	2410	0	161	0.34	0	67.8	57.9	49.1	23.6	23.6
3-4 PM	2659	0.0	179	0.0	3000	2659	0	179	0.51	0	67.4	54.0	43.3	23.5	23.5
4-5 PM	2626	0.0	176	0.0	3000	2626	0	176	0.48	0	67.4	54.5	44.0	23.5	23.5
5-6 PM	2332	0.0	156	0.0	3000	2332	0	156	0.33	0	67.8	58.4	49.7	23.7	23.7
6-7 PM	1765	0.0	118	0.0	3000	1765	0	118	0.34	0	68.6	58.7	49.7	23.9	23.9
7-8 PM	1315	0.0	88	0.0	3000	1315	0	88	0.35	0	69.1	58.9	49.7	24.2	24.2
8-9 PM	1139	0.0	76	0.0	3000	1139	0	76	0.35	0	69.3	59.0	49.7	24.3	24.3
9-10 PM	975	0.0	66	0.0	3000	975	0	66	0.35	0	69.6	59.1	49.7	24.3	24.3
10-11 PM	750	0.0	50	0.0	3000	750	0	50	0.35	0	69.8	59.2	49.7	24.5	24.5
11PM-MID	556	0.0	37	0.0	3000	556	0	37	0.36	0	70.0	59.2	49.7	24.5	24.5

+ 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	0.0148
MAIN ROUTE WITH WORKS	0.0117
DIVERSION	0.0199

PIA: Personal Injury Accidents

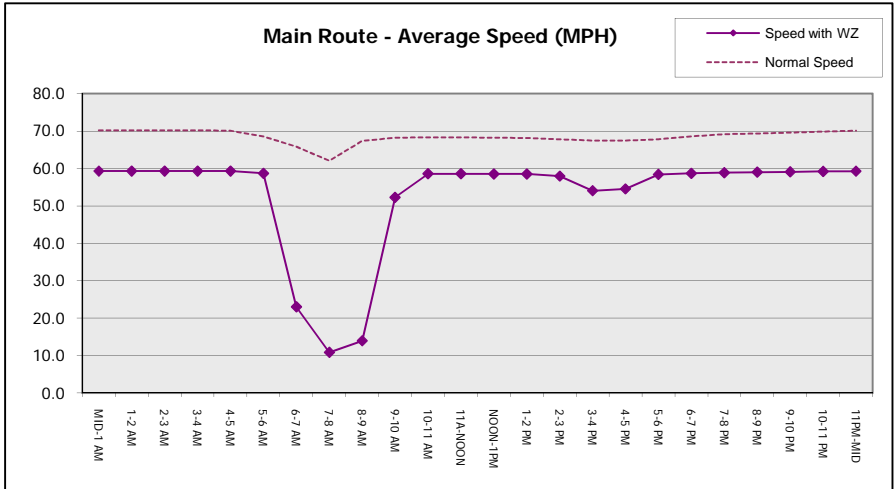
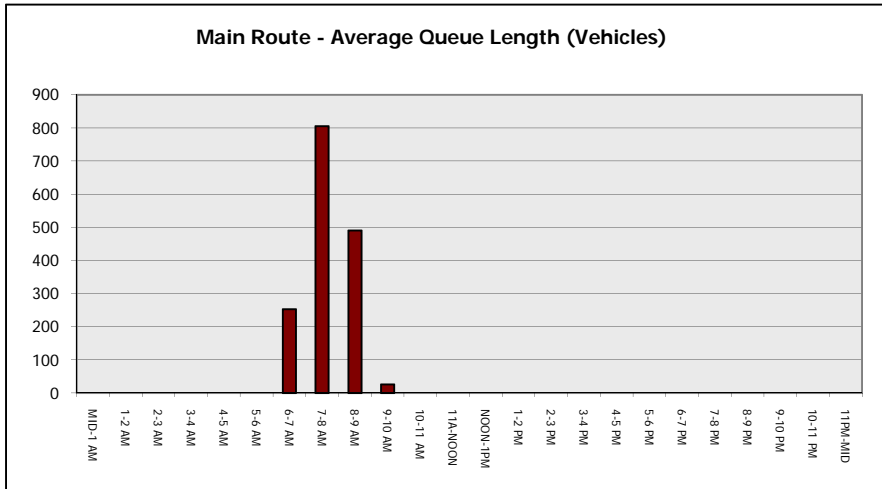
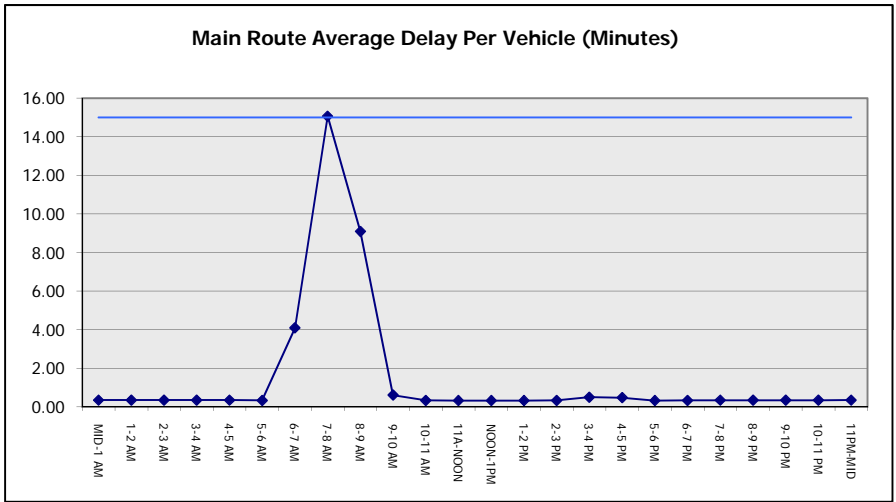
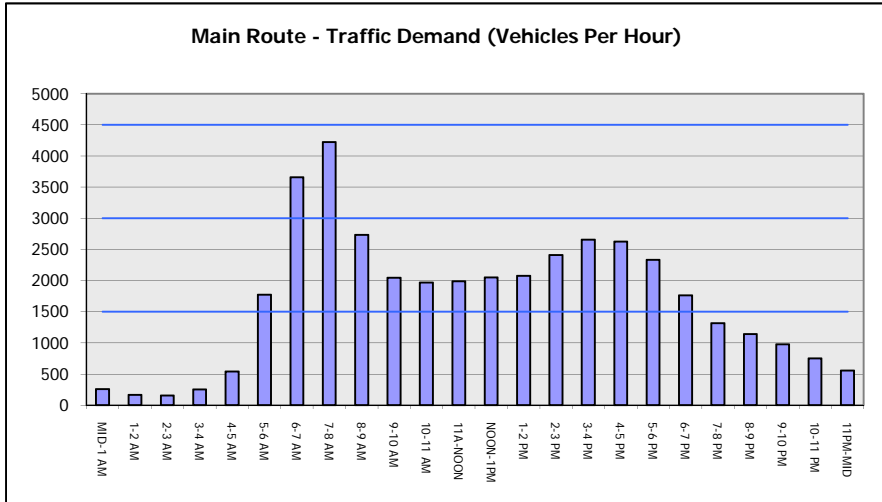
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$26,198
CONGESTED HOURS PER DAY*	1

*Delays Exceeding 15 Minutes

**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

GRAPHICAL REPRESENTATION OF TRAFFIC MODEL INPUT AND OUTPUT
MON-THUR 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

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		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	272	0.0	19	0.0	3000	272	0	19	0.36	0	70.2	59.3	49.7	24.7	24.7
1-2 AM	183	0.0	12	0.0	3000	183	0	12	0.36	0	70.2	59.3	49.7	24.7	24.7
2-3 AM	161	0.0	10	0.0	3000	161	0	10	0.36	0	70.2	59.3	49.7	24.8	24.8
3-4 AM	196	0.0	13	0.0	3000	196	0	13	0.36	0	70.2	59.3	49.7	24.7	24.7
4-5 AM	410	0.0	28	0.0	3000	410	0	28	0.36	0	70.2	59.3	49.7	24.7	24.7
5-6 AM	1128	0.0	76	0.0	3000	1128	0	76	0.35	0	69.3	59.0	49.7	24.3	24.3
6-7 AM	2032	0.0	137	0.0	3000	2032	0	137	0.33	0	68.2	58.6	49.7	23.8	23.8
7-8 AM	2017	0.0	136	0.0	3000	2017	0	136	0.33	0	68.2	58.6	49.7	23.8	23.8
8-9 AM	1840	0.0	123	0.0	3000	1840	0	123	0.34	0	68.4	58.6	49.7	23.9	23.9
9-10 AM	1644	0.0	110	0.0	3000	1644	0	110	0.34	0	68.7	58.7	49.7	24.0	24.0
10-11 AM	1694	0.0	114	0.0	3000	1694	0	114	0.34	0	68.6	58.7	49.7	24.0	24.0
11A-NOON	1908	0.0	129	0.0	3000	1908	0	129	0.34	0	68.4	58.6	49.7	23.8	23.8
NOON-1PM	1989	0.0	134	0.0	3000	1989	0	134	0.33	0	68.2	58.6	49.7	23.8	23.8
1-2 PM	2114	0.0	142	0.0	2999	2114	0	142	0.33	0	68.1	58.5	49.7	23.7	23.7
2-3 PM	2833	0.0	190	0.0	2999	2833	0	190	0.65	2	67.2	51.1	40.4	23.3	23.3
3-4 PM	3611	0.0	243	0.0	3000	3600	12	254	4.68	271	66.2	21.1	37.3	23.0	23.2
4-5 PM	4168	0.0	280	0.0	2999	3228	940	1220+	14.14	752	62.4	11.2	37.3	22.7	17.5
5-6 PM	3830	0.0	257	0.0	2999	2815	1016	1273+	14.71	778	64.7	11.1	37.3	22.9	17.1
6-7 PM	2162	0.0	145	0.0	2999	2065	97	242	2.84	255	68.1	29.2	45.3	23.7	23.3
7-8 PM	1493	0.0	100	0.0	3000	1493	0	100	0.34	0	68.9	58.8	49.7	24.1	24.1
8-9 PM	1267	0.0	85	0.0	3000	1267	0	85	0.35	0	69.2	58.9	49.7	24.2	24.2
9-10 PM	1108	0.0	74	0.0	3000	1108	0	74	0.35	0	69.4	59.0	49.7	24.3	24.3
10-11 PM	935	0.0	63	0.0	3000	935	0	63	0.35	0	69.6	59.1	49.7	24.3	24.3
11PM-MID	532	0.0	36	0.0	3000	532	0	36	0.36	0	70.0	59.3	49.7	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	0.0145
MAIN ROUTE WITH WORKS	0.0112
DIVERSION	0.0227

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$33,691
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
MON-THUR NORTHBOUND DIRECTION

