

USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY) CONTINUOUS (24 HOUR) 2 LANE 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	1500	306	0	21	0.51	0	70.2	55.7	44.3	24.7	24.7
1-2 AM	213	0.0	14	0.0	1500	213	0	14	0.50	0	70.2	56.0	44.6	24.7	24.7
2-3 AM	196	0.0	13	0.0	1500	196	0	13	0.50	0	70.2	56.0	44.7	24.7	24.7
3-4 AM	255	0.0	17	0.0	1500	255	0	17	0.50	0	70.2	55.8	44.5	24.7	24.7
4-5 AM	552	0.0	37	0.0	1500	552	0	37	0.54	0	70.0	55.0	43.3	24.5	24.5
5-6 AM	1738	0.0	116	0.0	1499	1738	0	116	2.39	75	68.6	31.3	32.2	24.0	24.0
6-7 AM	3496	0.0	235	0.0	1499	1694	1802	2037+	18.00	447	66.4	7.6	30.8	23.0	13.0
7-8 AM	4103	0.0	276	0.0	1500	1500	2603	2879+	19.06	475	62.8	7.3	30.8	22.7	12.4
8-9 AM	2653	0.0	178	0.0	1499	1318	1335	1513+	16.72	414	67.4	7.9	30.8	23.5	13.7
9-10 AM	2140	0.0	144	0.0	1500	1434	706	850	11.40	271	68.1	10.2	30.8	23.7	18.3
10-11 AM	2003	0.0	135	0.0	1500	1493	510	645	10.34	242	68.2	11.2	30.8	23.8	19.9
11A-NOON	2140	0.0	144	0.0	1500	1524	616	760	10.91	257	68.1	10.7	30.8	23.7	19.0
NOON-1PM	2234	0.0	150	0.0	1500	1513	721	871	11.52	273	67.9	10.2	30.8	23.7	18.1
1-2 PM	2261	0.0	152	0.0	1499	1509	751	904	11.70	278	67.9	10.1	30.8	23.7	17.9
2-3 PM	2580	0.0	173	0.0	1500	1572	1008	1181	13.57	328	67.5	8.9	30.8	23.5	15.9
3-4 PM	2897	0.0	194	0.0	1500	1581	1316	1510+	16.68	410	67.1	7.9	30.8	23.3	13.7
4-5 PM	2846	0.0	191	0.0	1499	1472	1374	1566+	17.33	426	67.2	7.8	30.8	23.3	13.3
5-6 PM	2652	0.0	178	0.0	1499	1430	1221	1399+	15.50	378	67.4	8.3	30.8	23.5	14.4
6-7 PM	2094	0.0	141	0.0	1500	1393	701	842	11.36	271	68.1	10.3	30.8	23.8	18.4
7-8 PM	1545	0.0	104	0.0	1500	1427	118	222	8.41	192	68.8	13.2	30.8	24.0	23.2
8-9 PM	1250	0.0	84	0.0	1499	1250	0	84	2.29	60	69.2	32.2	34.9	24.2	24.2
9-10 PM	1185	0.0	79	0.0	1500	1185	0	79	0.69	0	69.2	51.5	38.9	24.2	24.2
10-11 PM	948	0.0	64	0.0	1500	948	0	64	0.58	0	69.6	53.8	41.9	24.3	24.3
11PM-MID	758	0.0	50	0.0	1500	758	0	50	0.56	0	69.8	54.3	42.5	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	0.0157
MAIN ROUTE WITH WORKS	0.0085
DIVERSION	0.0852

PIA: Personal Injury Accidents

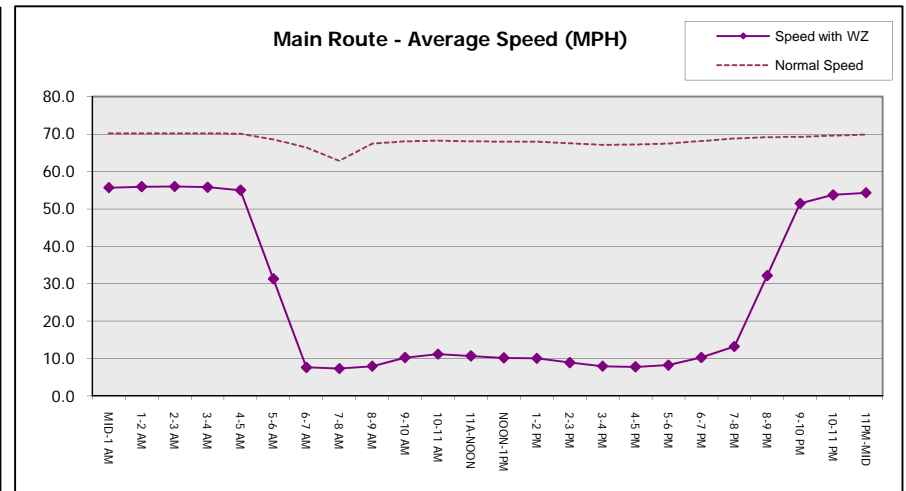
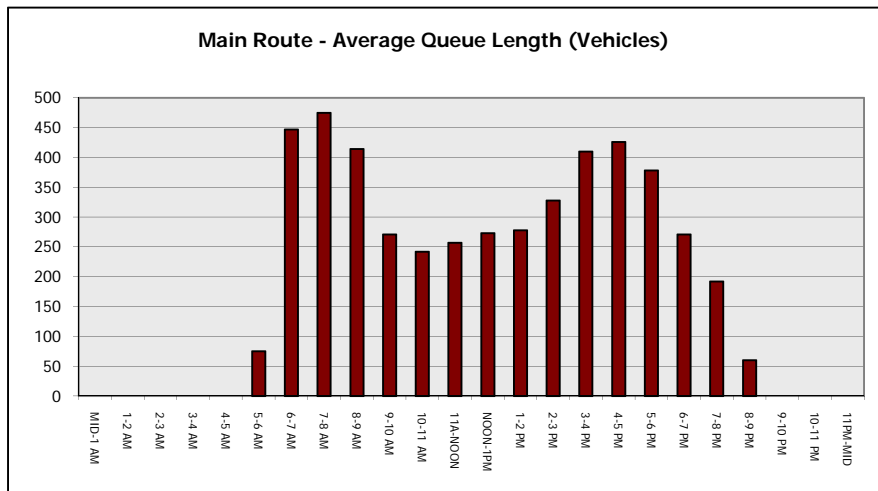
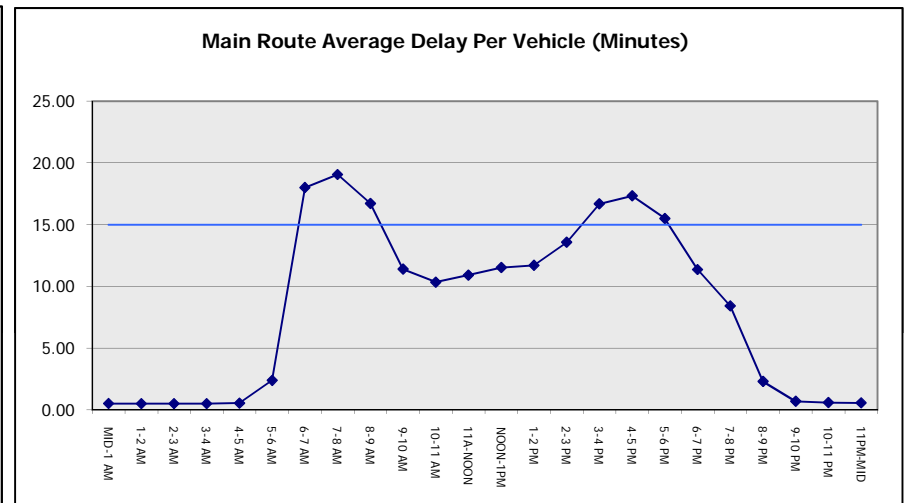
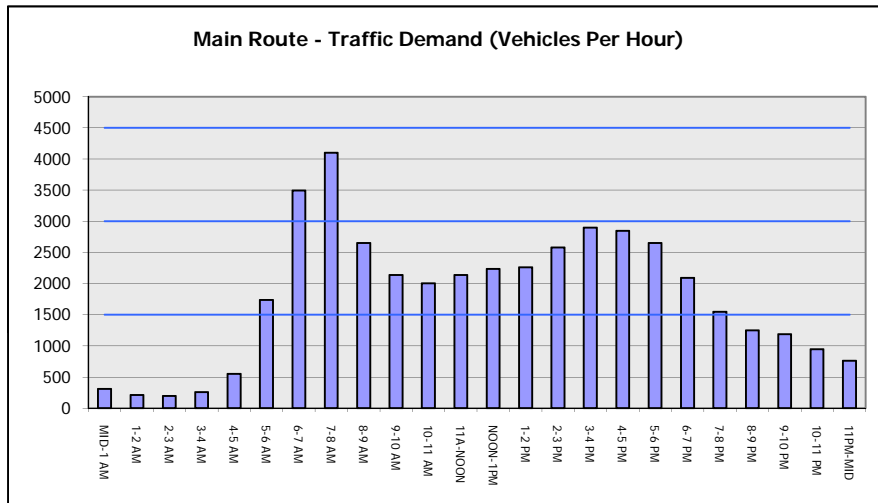
IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$127,954
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

MAY
 Analyzed for 2009
 Construction Season

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) 2 LANE 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			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	387	0.0	26	0.0	1500	387	0	26	0.52	0	70.2	55.5	44.0	24.7	24.7
1-2 AM	242	0.0	16	0.0	1500	242	0	16	0.50	0	70.2	55.9	44.5	24.7	24.7
2-3 AM	210	0.0	14	0.0	1500	210	0	14	0.50	0	70.2	56.0	44.6	24.7	24.7
3-4 AM	236	0.0	15	0.0	1500	236	0	15	0.50	0	70.2	55.9	44.5	24.7	24.7
4-5 AM	445	0.0	30	0.0	1500	445	0	30	0.53	0	70.2	55.3	43.7	24.6	24.6
5-6 AM	1132	0.0	76	0.0	1499	1132	0	76	0.73	0	69.3	50.7	38.1	24.3	24.3
6-7 AM	2165	0.0	145	0.0	1499	1784	381	526	8.32	207	68.1	13.4	30.8	23.7	20.8
7-8 AM	2122	0.0	142	0.0	1499	1470	652	794	11.09	262	68.1	10.5	30.8	23.7	18.8
8-9 AM	1943	0.0	131	0.0	1499	1478	465	596	10.11	236	68.3	11.4	30.8	23.8	20.2
9-10 AM	2021	0.0	136	0.0	1500	1515	506	641	10.32	242	68.2	11.2	30.8	23.8	19.9
10-11 AM	2131	0.0	143	0.0	1500	1520	611	754	10.88	256	68.1	10.7	30.8	23.7	19.1
11A-NOON	2421	0.0	163	0.0	1500	1553	868	1031	12.49	299	67.8	9.5	30.8	23.6	17.0
NOON-1PM	2629	0.0	177	0.0	1499	1544	1085	1262+	14.22	345	67.4	8.7	30.8	23.5	15.3
1-2 PM	2791	0.0	187	0.0	1499	1558	1233	1420+	15.70	384	67.3	8.2	30.8	23.4	14.3
2-3 PM	3455	0.0	232	0.0	1499	1519	1936	2168+	19.09	473	66.4	7.4	30.8	23.0	12.4
3-4 PM	4212	0.0	283	0.0	1500	1500	2712	2995+	19.03	475	62.1	7.3	30.8	22.7	12.4
4-5 PM	4740	0.0	318	0.0	1500	1500	3240	3558+	18.87	475	58.5	7.3	30.8	22.4	12.4
5-6 PM	4197	0.0	282	0.0	1500	1500	2697	2979+	19.03	475	62.2	7.3	30.8	22.7	12.4
6-7 PM	2754	0.0	185	0.0	1500	1392	1362	1547+	17.17	424	67.3	7.8	30.8	23.4	13.4
7-8 PM	1967	0.0	132	0.0	1500	1385	583	714	10.68	254	68.3	10.9	30.8	23.8	19.4
8-9 PM	1535	0.0	103	0.0	1500	1458	77	179	8.39	191	68.8	13.3	30.8	24.0	23.5
9-10 PM	1474	0.0	99	0.0	1500	1474	0	99	7.51	168	68.9	14.5	30.8	24.1	24.1
10-11 PM	1355	0.0	91	0.0	1499	1355	0	91	4.29	95	69.1	21.9	32.1	24.2	24.2
11PM-MID	874	0.0	59	0.0	1500	874	0	59	0.57	0	69.7	54.0	42.1	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	0.0087
DIVERSION	0.1040

PIA: Personal Injury Accidents

IMPACTS ON ROAD USERS	
ROAD USER COSTS PER DAY (DOLLARS)	\$153,723
CONGESTED HOURS PER DAY*	6

*Delays Exceeding 15 Minutes

**USH 41/45: USH 41/45 TO CTH Q (WASHINGTON COUNTY)
 CONTINUOUS (24 HOUR) 2 LANE CLOSURE
 DIVERSION ROUTE: STH 167 - STH 175 - PIONEER RD**

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FRIDAY NORTHBOUND DIRECTION

