

COST OF NETWORK ELEMENTS

Washington
Verizon Northwest Inc.

Loop elements	0-5 lines/sq mi	5-100 lines/sq mi	100-200 lines/sq mi	200-650 lines/sq mi	650-850 lines/sq mi	850-2550 lines/sq mi	2550-5000 lines/sq mi	5000-10000 lines/sq mi	>10000 lines/sq mi	Totals
NID										
Annual Cost	\$ 115,196	\$ 574,285	\$ 327,589	\$ 669,827	\$ 172,618	\$ 1,144,176	\$ 1,322,915	\$ 644,559	\$ 73,459	\$ 5,044,623
Unit Cost/month	0.47	0.45	0.45	0.43	0.43	0.41	0.39	0.36	0.33	0.41
Loop Distribution (DLC)										
Annual Cost	\$ 5,760,992	\$ 13,284,859	\$ 3,951,807	\$ 6,698,520	\$ 1,077,056	\$ 5,870,367	\$ 4,067,109	\$ 2,553,933	\$ 111,607	\$ 43,376,249
Unit Cost/month	23.47	10.54	5.42	4.28	2.74	2.83	2.25	2.49	1.98	4.74
Loop Distribution (non-DLC)										
Annual Cost	\$ 29,057	\$ 154,935	\$ -	\$ 21,596	\$ 36,438	\$ 1,703,400	\$ 3,008,439	\$ 1,754,848	\$ 313,478	\$ 7,022,190
Unit Cost/month	14.76	7.09	-	9.94	3.59	2.33	1.95	2.23	1.90	2.15
Loop Distribution (all)										
Annual Cost	\$ 5,790,049	\$ 13,439,794	\$ 3,951,807	\$ 6,720,115	\$ 1,113,493	\$ 7,573,767	\$ 7,075,548	\$ 4,308,780	\$ 425,085	\$ 50,398,440
Unit Cost/month	23.40	10.48	5.42	4.29	2.76	2.70	2.11	2.38	1.92	4.06
Loop Concentration (DLC)										
Annual Cost	\$ 2,024,404	\$ 6,329,140	\$ 2,536,960	\$ 4,954,353	\$ 1,111,835	\$ 5,935,908	\$ 5,121,385	\$ 2,986,855	\$ 140,437	\$ 31,141,279
Unit Cost/month	8.25	5.02	3.48	3.17	2.83	2.86	2.83	2.91	2.49	3.40
Loop Concentration (non-DLC)										
Annual Cost	\$ 821	\$ 5,437	\$ -	\$ 836	\$ 2,540	\$ 129,437	\$ 238,700	\$ 111,232	\$ 24,050	\$ 513,052
Unit Cost/month	0.42	0.25	-	0.38	0.25	0.18	0.15	0.14	0.15	0.16
Loop Concentration (all)										
Annual Cost	\$ 2,025,225	\$ 6,334,577	\$ 2,536,960	\$ 4,955,189	\$ 1,114,375	\$ 6,065,345	\$ 5,360,085	\$ 3,098,087	\$ 164,487	\$ 31,654,331
Unit Cost/month	8.19	4.94	3.48	3.16	2.76	2.16	1.60	1.71	0.74	2.55
Loop Feeder (DLC)										
Annual Cost	\$ 6,148,163	\$ 6,776,587	\$ 806,991	\$ 827,721	\$ 139,812	\$ 710,877	\$ 509,707	\$ 324,211	\$ 11,687	\$ 16,255,758
Unit Cost/month	25.05	5.38	1.11	0.53	0.36	0.34	0.28	0.32	0.21	1.78
Loop Feeder (non-DLC)										
Annual Cost	\$ 781	\$ 17,776	\$ -	\$ 946	\$ 13,311	\$ 485,024	\$ 954,047	\$ 541,773	\$ 106,540	\$ 2,120,198
Unit Cost/month	0.40	0.81	-	0.44	1.31	0.66	0.62	0.69	0.65	0.65
Loop Feeder (all)										
Annual Cost	\$ 6,148,944	\$ 6,794,363	\$ 806,991	\$ 828,667	\$ 153,124	\$ 1,195,901	\$ 1,463,754	\$ 865,984	\$ 118,227	\$ 18,375,955
Unit Cost/month	24.86	5.30	1.11	0.53	0.38	0.43	0.44	0.48	0.53	1.48
Total Loop (DLC)										
Annual Cost	\$ 14,047,839	\$ 26,955,078	\$ 7,623,348	\$ 13,149,493	\$ 2,496,980	\$ 13,363,330	\$ 10,412,207	\$ 6,229,925	\$ 282,430	\$ 94,560,631
Unit Cost/month	57.24	21.39	10.46	8.40	6.34	6.45	5.76	6.08	5.01	10.33
Total Loop (non-DLC)										
Annual Cost	\$ 31,575	\$ 187,941	\$ -	\$ 24,305	\$ 56,629	\$ 2,615,858	\$ 4,810,096	\$ 2,687,486	\$ 498,827	\$ 10,912,718
Unit Cost/month	16.04	8.60	-	11.19	5.58	3.58	3.12	3.42	3.02	3.35
Total Loop (all)										
Annual Cost	\$ 14,079,414	\$ 27,143,020	\$ 7,623,348	\$ 13,173,798	\$ 2,553,610	\$ 15,979,188	\$ 15,222,303	\$ 8,917,411	\$ 781,257	\$ 105,473,349
Unit Cost/month	56.91	21.17	10.46	8.40	6.33	5.70	4.54	4.93	3.53	8.49
<i>Total lines</i>	20,616	106,845	60,754	130,625	33,641	233,606	279,311	150,836	18,444	1,034,678
<i>Total lines served by DLC</i>	20,452	105,023	60,754	130,444	32,795	172,764	150,750	85,398	4,695	763,075
<i>% of Total Lines</i>	1.99%	10.33%	5.87%	12.62%	3.25%	22.58%	26.99%	14.58%	1.78%	
DS-1 Loops										
DS-1 Concentrator Annual Cost	\$ 258,711	\$ 964,439	\$ 300,775	\$ 720,545	\$ 171,211	\$ 1,733,319	\$ 2,135,509	\$ 1,714,824	\$ 167,197	\$ 8,166,530

Unit Cost/month	\$ 138.20	\$ 97.18	\$ 79.32	\$ 62.22	\$ 41.60	\$ 43.12	\$ 38.87	\$ 38.00	\$ 29.77	\$ 46.09
DS-1 Feeder										
Annual Cost	\$ 2,811.69	\$ 4,225.65	\$ 340.60	\$ 399.04	\$ 933.37	\$ 13,900.44	\$ 28,520.39	\$ 23,868.07	\$ 5,943.18	\$ 80,942
Unit Cost/month	\$ 1.50	\$ 0.43	\$ 0.09	\$ 0.03	\$ 0.23	\$ 0.35	\$ 0.52	\$ 0.53	\$ 1.06	\$ 0.46
DS-1 Distribution										
Annual Cost	\$ 53,832.86	\$ 167,641.41	\$ 36,413.13	\$ 69,980.89	\$ 17,822.46	\$ 146,320.22	\$ 158,099.60	\$ 152,522.92	\$ 15,980.61	\$ 818,614
Unit Cost/month	\$ 28.76	\$ 16.89	\$ 9.60	\$ 6.04	\$ 4.33	\$ 3.64	\$ 2.88	\$ 3.38	\$ 2.85	\$ 4.62
DS-1 Total										
Annual Cost	\$ 315,355.44	\$ 1,136,306.10	\$ 337,528.68	\$ 790,924.50	\$ 189,966.58	\$ 1,893,540.05	\$ 2,322,129.14	\$ 1,891,215.06	\$ 189,121.21	\$ 9,066,086.76
Unit Cost/month	\$ 168.46	\$ 114.50	\$ 89.01	\$ 68.30	\$ 46.15	\$ 47.10	\$ 42.27	\$ 41.90	\$ 33.68	\$ 51.17
DS-3 Loops										
DS-3 Feeder										
Annual Cost	\$ 20,467.19	\$ 64,579.75	\$ 8,349.36	\$ 26,628.71	\$ 15,014.54	\$ 90,210.47	\$ 142,392.71	\$ 145,706.01	\$ 4,405.54	\$ 517,754
Unit Cost/month	\$ 426.40	\$ 163.08	\$ 173.95	\$ 92.46	\$ 78.20	\$ 45.84	\$ 51.15	\$ 67.83	\$ 30.59	\$ 64.59
DS-3 Distribution										
Annual Cost	\$ 110,330.01	\$ 417,055.15	\$ 63,852.23	\$ 277,473.94	\$ 112,985.21	\$ 1,279,776.50	\$ 1,615,018.03	\$ 1,194,941.01	\$ 124,301.01	\$ 5,195,733
Unit Cost/month	\$ 2,298.54	\$ 1,053.17	\$ 1,330.25	\$ 963.45	\$ 588.46	\$ 650.29	\$ 580.11	\$ 556.30	\$ 863.20	\$ 648.17
DS-3 Total										
Annual Cost	\$ 20,467.19	\$ 64,579.75	\$ 8,349.36	\$ 26,628.71	\$ 15,014.54	\$ 90,210.47	\$ 142,392.71	\$ 145,706.01	\$ 4,405.54	\$ 517,754.28
Unit Cost/month	\$ 2,724.94	\$ 1,216.25	\$ 1,504.20	\$ 1,055.91	\$ 666.67	\$ 696.13	\$ 631.25	\$ 624.14	\$ 893.80	\$ 712.76
ADSL additive copper feeder										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ADSL additive fiber feeder										
Annual Cost	\$ 725.83	\$ 17,933.93	\$ 10,302.68	\$ 68,721.52	\$ 26,623.67	\$ 151,969.62	\$ 153,622.89	\$ 86,957.88	\$ 4,869.08	\$ 521,727.09
Unit Cost/month	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ 0.84	\$ -

	Annual Cost	Units	Unit Cost	
End office switching	\$ 35,387,914	1,000,929	\$ 2.95	total switch cost per line per month
Non-Usage Related	35,387,914	1,000,929 switched lines	2.95	per line/month
Usage-Related	-	16,053,993,330 actual minutes	-	per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 1,500,739			
Links	300,635	232 links	\$ 107.78	per link per month
STP	1,041,284	13,179,439,319 TCAP+ISUP msgs	\$ 0.00008	per signaling message
SCP	158,821	708,333,200 TCAP queries	\$ 0.00022	per query
Transport network elements				
<i>Dedicated</i>				
Transport including Special	\$ 4,741,860	450,659 trunks	\$ 0.88	per DS-0 equivalent per month
Transport	4,741,860	450,659 trunks	\$ 0.00009	per minute
Special	-	- trunks		
Transmission Terminal	23,521,746	450,659 trunks	\$ 4.35	per DS-0 equivalent per month
			\$ 0.00043	per minute
			\$ 0.00052	total per minute
<i>Common</i>				
Transport	\$ 770,998	1,154,288,497 minutes	\$ 0.00062	per minute per leg (orig or term)
Transmission Terminal	1,116,578	1,154,288,497 minutes	\$ 0.00090	per minute
			\$ 0.00153	total per minute
<i>Direct</i>				
Transport	\$ 1,784,768	3,842,225,211 minutes	\$ 0.00046	per minute
Transmission Terminal	3,435,104	3,842,225,211 minutes	\$ 0.00089	per minute
			\$ 0.00136	total per minute
Tandem switch	\$ 1,207,180	1,013,781,237 minutes	\$ 0.00119	per minute
Operator systems	\$ 5,186,322			

Public Telephones	\$	949,008
Total (w/ Public)	\$	185,075,568
Total cost of switched network elements (w/o Public)	\$	15.04 per line/month