

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	\$ 108,262	\$ 539,718	\$ 307,875	\$ 629,514	\$ 162,227	\$ 1,075,287	\$ 1,243,247	\$ 605,698	\$ 69,030	\$ 4,740,858
Unit Cost/month	0.44	0.42	0.42	0.40	0.40	0.38	0.37	0.33	0.31	0.38
Loop Distribution (DLC)										
Annual Cost	\$ 5,443,029	\$ 12,533,554	\$ 3,720,981	\$ 6,302,608	\$ 1,011,778	\$ 5,517,305	\$ 3,819,758	\$ 2,402,870	\$ 104,995	\$ 40,856,879
Unit Cost/month	22.18	9.95	5.10	4.03	2.57	2.66	2.11	2.34	1.86	4.46
Loop Distribution (non-DLC)										
Annual Cost	\$ 27,466	\$ 146,178	\$ -	\$ 20,392	\$ 34,339	\$ 1,604,066	\$ 2,833,268	\$ 1,655,654	\$ 296,115	\$ 6,617,480
Unit Cost/month	13.96	6.69	-	9.39	3.38	2.20	1.84	2.11	1.79	2.03
Loop Distribution (all)										
Annual Cost	\$ 5,470,495	\$ 12,679,732	\$ 3,720,981	\$ 6,323,001	\$ 1,046,117	\$ 7,121,370	\$ 6,653,026	\$ 4,058,524	\$ 401,110	\$ 47,474,359
Unit Cost/month	22.11	9.89	5.10	4.03	2.59	2.54	1.98	2.24	1.81	3.82
Loop Concentration (DLC)										
Annual Cost	\$ 1,954,928	\$ 6,105,486	\$ 2,444,309	\$ 4,772,918	\$ 1,070,798	\$ 5,717,343	\$ 4,932,852	\$ 2,878,066	\$ 135,298	\$ 30,011,999
Unit Cost/month	7.97	4.84	3.35	3.05	2.72	2.76	2.73	2.81	2.40	3.28
Loop Concentration (non-DLC)										
Annual Cost	\$ 772	\$ 5,114	\$ -	\$ 787	\$ 2,389	\$ 121,670	\$ 224,293	\$ 104,491	\$ 22,594	\$ 482,112
Unit Cost/month	0.39	0.23	-	0.36	0.24	0.17	0.15	0.13	0.14	0.15
Loop Concentration (all)										
Annual Cost	\$ 1,955,701	\$ 6,110,601	\$ 2,444,309	\$ 4,773,705	\$ 1,073,187	\$ 5,839,013	\$ 5,157,145	\$ 2,982,557	\$ 157,892	\$ 30,494,111
Unit Cost/month	7.91	4.77	3.35	3.05	2.66	2.08	1.54	1.65	0.71	2.46
Loop Feeder (DLC)										
Annual Cost	\$ 3,784,137	\$ 4,168,413	\$ 490,953	\$ 491,798	\$ 90,435	\$ 475,214	\$ 360,668	\$ 247,516	\$ 8,396	\$ 10,117,529
Unit Cost/month	15.42	3.31	0.67	0.31	0.23	0.23	0.20	0.24	0.15	1.10
Loop Feeder (non-DLC)										
Annual Cost	\$ 735	\$ 16,755	\$ -	\$ 893	\$ 12,612	\$ 462,717	\$ 917,906	\$ 522,230	\$ 103,006	\$ 2,036,854
Unit Cost/month	0.37	0.77	-	0.41	1.24	0.63	0.59	0.67	0.62	0.62
Loop Feeder (all)										
Annual Cost	\$ 3,784,872	\$ 4,185,168	\$ 490,953	\$ 492,690	\$ 103,047	\$ 937,931	\$ 1,278,574	\$ 769,746	\$ 111,402	\$ 12,154,383
Unit Cost/month	15.30	3.26	0.67	0.31	0.26	0.33	0.38	0.43	0.50	0.98
Total Loop (DLC)										
Annual Cost	\$ 11,289,495	\$ 23,337,968	\$ 6,964,118	\$ 12,195,966	\$ 2,331,158	\$ 12,505,093	\$ 9,784,284	\$ 5,871,378	\$ 266,261	\$ 84,545,721
Unit Cost/month	46.00	18.52	9.55	7.79	5.92	6.03	5.41	5.73	4.73	9.23
Total Loop (non-DLC)										
Annual Cost	\$ 29,835	\$ 177,252	\$ -	\$ 22,944	\$ 53,420	\$ 2,468,508	\$ 4,547,708	\$ 2,545,149	\$ 473,174	\$ 10,317,990
Unit Cost/month	15.16	8.11	-	10.56	5.26	3.38	2.95	3.24	2.87	3.17
Total Loop (all)										
Annual Cost	\$ 11,319,331	\$ 23,515,219	\$ 6,964,118	\$ 12,218,910	\$ 2,384,578	\$ 14,973,601	\$ 14,331,992	\$ 8,416,526	\$ 739,435	\$ 94,863,710
Unit Cost/month	45.75	18.34	9.55	7.80	5.91	5.34	4.28	4.65	3.34	7.64
<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	\$ 250,185	\$ 932,262	\$ 290,648	\$ 695,966	\$ 165,187	\$ 1,672,566	\$ 2,059,952	\$ 1,654,061	\$ 161,112	\$ 7,881,938

Unit Cost/month	\$ 133.65	\$ 93.94	\$ 76.65	\$ 60.10	\$ 40.13	\$ 41.61	\$ 37.50	\$ 36.65	\$ 28.69	\$ 44.49
DS-1 Feeder										
Annual Cost	\$ 2,058.47	\$ 2,940.37	\$ 235.10	\$ 312.43	\$ 796.16	\$ 13,084.74	\$ 27,320.61	\$ 22,919.87	\$ 5,749.38	\$ 75,417
Unit Cost/month	\$ 1.10	\$ 0.30	\$ 0.06	\$ 0.03	\$ 0.19	\$ 0.33	\$ 0.50	\$ 0.51	\$ 1.02	\$ 0.43
DS-1 Distribution										
Annual Cost	\$ 50,849.24	\$ 158,205.57	\$ 34,311.31	\$ 65,861.57	\$ 16,754.31	\$ 137,535.29	\$ 148,561.98	\$ 143,654.78	\$ 15,075.18	\$ 770,809
Unit Cost/month	\$ 27.16	\$ 15.94	\$ 9.05	\$ 5.69	\$ 4.07	\$ 3.42	\$ 2.70	\$ 3.18	\$ 2.68	\$ 4.35
DS-1 Total										
Annual Cost	\$ 303,092.85	\$ 1,093,408.26	\$ 325,194.35	\$ 762,140.19	\$ 182,737.25	\$ 1,823,185.85	\$ 2,235,834.21	\$ 1,820,635.22	\$ 181,936.48	\$ 8,728,164.66
Unit Cost/month	\$ 161.91	\$ 110.18	\$ 85.76	\$ 65.82	\$ 44.40	\$ 45.35	\$ 40.70	\$ 40.34	\$ 32.40	\$ 49.26
DS-3 Loops										
DS-3 Feeder										
Annual Cost	\$ 15,565.36	\$ 46,850.89	\$ 5,978.52	\$ 18,292.06	\$ 10,569.56	\$ 65,077.66	\$ 105,762.70	\$ 111,942.91	\$ 3,398.25	\$ 383,438
Unit Cost/month	\$ 324.28	\$ 118.31	\$ 124.55	\$ 63.51	\$ 55.05	\$ 33.07	\$ 37.99	\$ 52.11	\$ 23.60	\$ 47.83
DS-3 Distribution										
Annual Cost	\$ 101,447.48	\$ 380,303.95	\$ 56,780.24	\$ 259,162.04	\$ 105,487.20	\$ 1,191,287.39	\$ 1,521,067.74	\$ 1,117,655.01	\$ 118,920.80	\$ 4,852,112
Unit Cost/month	\$ 2,113.49	\$ 960.36	\$ 1,182.92	\$ 899.87	\$ 549.41	\$ 605.33	\$ 546.36	\$ 520.32	\$ 825.84	\$ 605.30
DS-3 Total										
Annual Cost	\$ 15,565.36	\$ 46,850.89	\$ 5,978.52	\$ 18,292.06	\$ 10,569.56	\$ 65,077.66	\$ 105,762.70	\$ 111,942.91	\$ 3,398.25	\$ 383,437.89
Unit Cost/month	\$ 2,437.77	\$ 1,078.67	\$ 1,307.47	\$ 963.38	\$ 604.46	\$ 638.40	\$ 584.35	\$ 572.44	\$ 849.44	\$ 653.14
ADSL additive copper feeder										
Annual Cost	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Unit Cost/month	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ADSL additive fiber feeder										
Annual Cost	\$ 728.49	\$ 17,999.69	\$ 10,340.46	\$ 68,973.52	\$ 26,721.29	\$ 152,526.88	\$ 154,186.22	\$ 87,276.74	\$ 4,886.93	\$ 523,640.22
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	\$ 33,767,339	1,000,929	\$ 2.81	total switch cost per line per month
Non-Usage Related	33,767,339	1,000,929 switched lines	\$ 2.81	per line/month
Usage-Related	-	27,712,872,741 actual minutes	\$ -	per actual minute (for rate per DEM, see "Cost detail" sheet)
Signaling network elements	\$ 1,373,883			
Links	238,968	232 links	\$ 85.67	per link per month
STP	982,889	13,036,889,514 TCAP+ISUP msgs	\$ 0.00008	per signaling message
SCP	152,025	646,518,600 TCAP queries	\$ 0.00024	per query
Transport network elements				
<i>Dedicated</i>				
Transport including Special	\$ 3,837,296	453,375 trunks	\$ 0.71	per DS-0 equivalent per month
Transport	3,837,296	453,375 trunks	\$ 0.00007	per minute
Special	-	- trunks		
Transmission Terminal	20,974,690	453,375 trunks	\$ 3.86	per DS-0 equivalent per month
			\$ 0.00038	per minute
			\$ 0.00045	total per minute
<i>Common</i>				
Transport	\$ 672,350	1,396,295,807 minutes	\$ 0.00046	per minute per leg (orig or term)
Transmission Terminal	1,064,852	1,396,295,807 minutes	\$ 0.00073	per minute
			\$ 0.00119	total per minute
<i>Direct</i>				
Transport	\$ 2,513,374	7,989,414,369 minutes	\$ 0.00031	per minute
Transmission Terminal	5,688,871	7,989,414,369 minutes	\$ 0.00071	per minute
			\$ 0.00103	total per minute
Tandem switch	\$ 1,204,398	1,185,329,757 minutes	\$ 0.00102	per minute
Operator systems	\$ 12,234,598			

Public Telephones	\$	29,852,542
Total (w/ Public)	\$	208,047,901
Total cost of switched network elements (w/o Public)	\$	14.58 per line/month