

NETWORK NEBRASKA PROJECT REPORT, April 11, 2012

Procurement Summary

295 WAN circuits were bid for K-12; 258 were awarded to 10 different vendors

8 backbone circuits were bid for Network Nebraska; 8 were awarded to 3 different vendors

5 Internet egress points were bid for Network Nebraska; 5 were awarded to 3 different vendors

14 WAN circuits were bid for higher education; 14 were awarded to 4 different vendors

In all, 285 of 322 services were awarded, involving 11 different telecommunications companies

Backbone bid results:

% Increase in Total Backbone Length = +255% (added G.I. to Scottsbluff to Omaha; 301 ► 1070 miles)
% Increase in Transport Bandwidth = +200% (average bandwidth increased from 567Mbps ► 1.7Gbps)
% Decrease in Total Backbone Cost = -39% (while increasing bandwidth by 2X and length by 2.5X)
% Decrease in Aggregation Cost = -80% (RFP required vendors to provide Gigabit handoffs)
% Increase in Aggregation Sites = +60% (increase from 3 to 5; adding Scottsbluff, Omaha Farnam)

Internet bid results:

Statewide unit cost of Internet decreased by 58% (From \$6.00/Mbps/month down to \$2.55/Mbps/month)

Statewide Internet purchases by K-12 and some higher ed entities increased by 118%

(From 2,242Mbps/month up to 4,900Mbps/month) beginning 7/1/2012.

WAN bid results:

The statewide average cost for 4 years of 40Mbps service decreased by about 40% from 2007-11 prices.

Where feasible, school districts and colleges either increased their bandwidth, lowered their costs, or both.

Membership Changes for 7/1/2012 (Net +4, 249 Total):

K-12 public schools: (+2) Freeman Public Schools, Sterling Public Schools; (-1) Dodge-Howells Merger

K-12 nonpublic schools: (+1) Holy Family School at Lindsay

Higher education: (+2) Little Priest Tribal College-Winnebago, Nebraska Indian Community College-Macy

Interregional Transport Fee Projections for 2012-13:

Higher Education: \$62.28/month/entity (38% decrease from \$101.09/month/entity from 2011-12)

K-12 Schools/ESUs: \$17.75/month/entity (44% decrease from \$ 31.69/month/entity from 2011-12)

Core Infrastructure Upgrade Projections for 2012-13:

3 core router replacements

2 core router additions at Scottsbluff-Panhandle Research Center, Omaha-1623 Farnam

1 packet shaper upgrade

1 set of Sienna router gear interconnecting Omaha aggregation sites

Participation Summary (as the 7/1/2012 Legislative benchmark of the CIO "providing access" approaches)

213 of 248 public school districts (86%)

15 of 17 Educational Service Units (88%)

8 of 8 community colleges (100%)

3 of 3 state colleges (100%)

1 of 1 University of Nebraska (100%)