

**Request for Bid
Managed
Fiber-SD-WAN
Telephony**

10-28-2024

Cass County Nebraska
346 Main Street
Plattsmouth, NE 68048

Description of Project

Cass County of Nebraska is seeking bids for a 1 Gbps full duplexed wide area fiber network to connect county department buildings. Vendor must bid a Leased Lit Service option with a fully managed SD-WAN for site to site connectivity, additionally adding currently existing telephony services.

Successful vendor will provide entities with managed 1 Gbps full duplex Wide Area Network (WAN) to the entity site using 100% end to end fiber optic cable. (No 3rd party –last mile) The demarcation point will be located at a secured location at all entities. See appendix A for the list of demarcation points. All locations must connect back to Cass County Courthouse-Law Enforcement Center, which is the current Internet egress point. Refer to Appendix B for a network diagram.

Successful vendor must supply throughput of 95% of contracted capacity. Detailed testing procedures to meet this requirement must accompany bid documents.

Proposals must be submitted in the format of one (1) print copy (no electronic bids accepted). Proposals must be received by Cass County no later than 4:00 p.m. (Local Time), November 15, 2024. Submission of Bid should be addressed to the following Contact:

Cass County
Attn: County Clerk
346 Main Street Room 202
Plattsmouth, Nebraska 68048
Subject: "Fiber WAN"

For Questions Email:
itsupport@casscountyne.gov

Sealed Proposals will be publicly opened in the presence of the Cass County Board of Commissioners at their regular meeting scheduled on November 19, 2024 at 8:15am or as soon thereafter as may be heard.

RFP Modification

Cass County reserves the right, without penalty, to add, remove, modify, or otherwise update the RFP, in any way Cass County sees fit. Modification of RFP, if any, will be distributed via email to any vendors who have submitted a proposal.

Questions and Answers will be posted on the county website (www.casscountyne.gov/county-projects).

Fiber - WAN - Services Description

1.1 Entity demarcation equipment

The successful vendor will hand off the required site to site band-with full duplex connection to a vendor owned fiber connection, to be determined by the information technology staff.

1.2 Monitoring and Maintenance.

Cost will include Vendor provided 24 X 7 monitoring, repair and maintenance to Wide Area Network. **A complete description of this service must accompany the bid documents.**

1.3 Term of Contract.

The request for bid, for leased lit fiber, is for an initial term of 60 months, at which time the County may choose to renew services for another 60 months without another request for bid after initial term. Future bandwidth upgrades requested by the County can be quoted by vendor at any time while under contract at that year's market rate Service dates are TBD.

1.4 Terminations.

The vendor must provide provisions for termination for cause which includes but is not limited to consolidation, merged and dissolved contracting entities. Termination for cause must be detailed in this agreement.

1.5 Current IP addresses.

Vendor must support QnQ and route all existing county network traffic without restrictions within the requested bandwidth.

1.6 Managed SD-WAN

Vendor must provide robust site to site SD-WAN services having all connectivity for all sites routing back to county main site at Courthouse-LEC, which needs to have 'high availability' service. Vendor can propose to obtain and support a 3rd party circuit connection for redundancy at Courthouse-LEC, EMS, Roads-Hwy50 locations.

1.7 Telephony

Vendor must be able to port / provide / support current VoIP / SIP telephony system to include all DID numbering, Toll Free, Analog, and any additional county phone services provided via carrier.

2.1 Pricing and Payment Structure

Vendors are required to break down the purchases by building as outlined in the table in Appendix C. Vendors are required to complete Appendix C as part of their proposal. If additional items are required to complete the project, please include them in Appendix C, listed and itemized as per unit cost.

Contracts will be awarded only after receiving funding commitment and agreed upon by the county Board of Commissioners. This RFP will automatically become part of any contract awarded to a vendor.

3.1 Evaluation Process

Please refer to Appendix D for further details regarding the evaluation process.

4.1 Discrepancies and Omissions

Vendors finding discrepancies or omissions in the RFP or having any doubts as to the meaning or intent of any part thereof shall submit such questions or concerns to itsupport@casscountyne.gov. Addenda issued in correspondence to this RFP shall be considered a part of this RFP and shall become part of any final Contract that may be derived from this RFP. This RFP and its addenda will be part of any possible future contract with successful vendor(s).

5.1 Contingencies

This RFP should not be considered as a Contract to purchase goods or services, but is a Request for Proposal in accordance with the Terms and Conditions herein and will not necessarily give rise to a contract. However, RFP responses should be as detailed and complete as possible to facilitate the formation of a contract based on the RFP response(s) that are pursued should Cass County decide to do so. Proposals stating that pricing is valid dependent upon availability and/or subject to prior sale will be considered as non-responsive. Completion of this RFP form and its associated Appendices are a requirement. Failure to do so will disqualify your RFP response submittal. Vendors must submit sealed RFP responses by the due date and time as specified herein. Vendors will be considered non-responsive if the above requirements are not submitted as requested. Cass County has the right to reject all submitted proposals and resubmit for new proposals through a revised RFP.

6.1 Vendor Questions and Clarifications

Questions should be addressed, no later than EOB on 11-15-2024, to:

Cass County IT Department
Ph: 402.296.9307 | Email: itsupport@casscountyne.gov

Questions and Answers will be posted on the county website (www.casscountyne.gov/county-projects).

**Appendix A
Site Addresses**

Cass County Courthouse – LEC – High Availability 1 Gbps throughput requirement

336 Main Street
Plattsmouth, NE 68048

Cass County Elections - 1 Gbps throughput requirement

201 Main Street
Plattsmouth, NE 68048

Cass County Zoning Office - 1 Gbps throughput requirement

13860 12th Street
Plattsmouth, NE 68048

Cass County Emergency Management Service - 1 Gbps throughput requirement

8400 144th & NE-1
Weeping Water, NE 68463

Cass County Roads Department - 1 Gbps throughput requirement

7600 NE-50
Weeping Water, NE 68463

Cass County Probations Office – 200 Mbps throughput requirement

602 Avenue A
Plattsmouth, NE 68048

Cass County Weed Board Office - 200 Mbps throughput requirement

307 Main Street
Manley, NE 68403

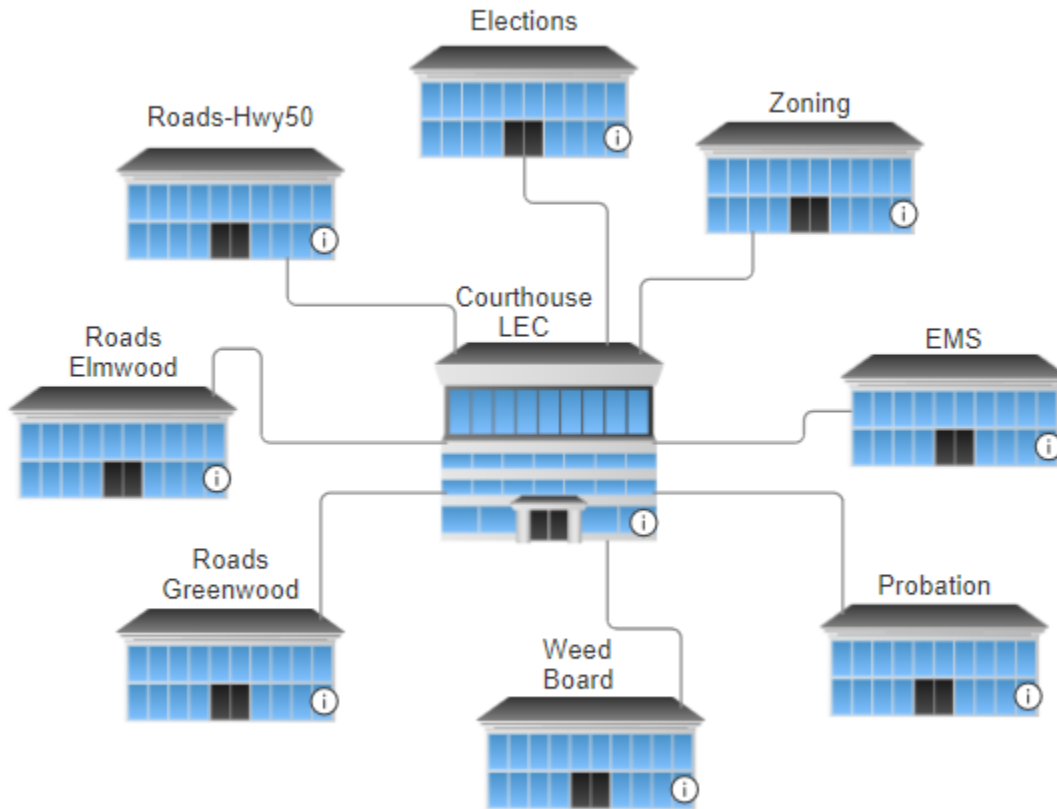
Cass County Roads Department - 200 Mbps throughput requirement

220 W B Street
Elmwood, NE 68349

Cass County Roads Department - 200 Mbps throughput requirement

636 E 3rd Street
Greenwood, NE 68366

Appendix B Network Diagram



**Appendix C
Vendor Response Sheet**

| ITEM #1 – LEASED LIT FIBER SERVICE | | | |
|--|------------------------------|-----------------------------|--|
| Building Entity | Bandwidth 200Mbps | Bandwidth 1 Gbps | One-time non-recurring Charge (if applicable) |
| Cass County Courthouse - LEC | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| <i>Redundant Circuit (please note bandwidth)</i> | \$ | \$ | \$ |
| Cass County Elections | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Emergency Mgmt. | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| <i>Redundant Circuit (please note bandwidth)</i> | \$ | \$ | \$ |
| Cass County Roads Hwy-50 | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| <i>Redundant Circuit (please note bandwidth)</i> | \$ | \$ | \$ |
| Cass County Zoning | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Probations | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Weed Board | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Roads Elmwood | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Roads Greenwood | | | |
| Monthly recurring charge | \$ | \$ | \$ |

| ITEM #2 – MANAGED SD-WAN SERVICE | | | |
|--|------------------------------|-----------------------------|--|
| Building Entity | Bandwidth 200Mbps | Bandwidth 1 Gbps | One-time non-recurring charge (if applicable) |
| Cass County Courthouse – LEC **Includes High Availability** | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Elections | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Emergency Mgmt. | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Roads Hwy-50 | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Zoning | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Probations | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Weed Board | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Roads Elmwood | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| Cass County Roads Greenwood | | | |
| Monthly recurring charge | \$ | \$ | \$ |
| | | | |

| ITEM #3 – TELEPHONY - SIP Trunk Lines + Analog Lines | | | | | |
|---|----|-----|--|--|---------------------------------|
| | | | | | Monthly recurring charge |
| 70 SIP Trunk Lines / Paths | \$ | Ea. | | | \$ |
| 250 DID Numbers | \$ | Ea. | | | \$ |
| 5 Toll Free Numbers / Lines | \$ | Ea. | | | \$ |
| Total service charge | \$ | | | | \$ |

**Appendix D
Rubric**

The bid will be awarded to the lowest responsible, responsive vendor who provides the most cost-effective service using the following criteria:

- | | |
|--|------------------|
| 1. Cost of Services | 40 points |
| 2. Existing Satisfactory Vendor | 10 points |
| Evaluation and discussion of existing vendor performance (if applicable). | |
| 3. References and Reliability | 10 points |
| References will be contacted and points awarded on their responses. | |
| Reliability score will be determined using the following criteria: | |
| a. Known other users of the device/vendor | |
| b. Personal experiences | |
| 4. Network Redundancy - High Availability - Rollover - Backup | 20 points |
| 5. Monitoring access, Equipment Refresh, Fiber Maps, Ticketing System | 20 points |

The bid will be awarded to the vendor who scores the most points on this evaluation rubric.