

PROPOSAL

REQUEST FOR PROPOSALS

Grayson County Virginia

Engineering & Construction Services

The Grayson County Network Authority is seeking proposals for engineering & construction to build a communication tower to locate and 911 Emergency Response Equipment on Pond Mountain located at 3589 Pond Mountain Lane, Whitetop, Va (coordinates: 36.593628, 81.670229).

Six (6) originals of the Proposal for requested services shall be submitted to the Board of the Grayson County Network Authority at the address listed below on, or before, 5:00 pm local time Friday, May 31, 2024. Mailed submissions shall be postmarked sufficiently early to ensure delivery prior to the deadline.

Grayson County Board of the Network Authority
County Administrator's Office
Engineering & Construction Services Pond Mountain Tower
P.O. Box 217
129 Davis Street
Independence, Virginia 24348

Interested firms may request a copy of the full RFP by contacting Thomas R. Revels at trevels@graysoncountyva.gov or by visiting the Grayson County website: www.graysoncountyva.gov.

Grayson County is an Equal Opportunity Employer and will not discriminate on the basis of race, creed, color, sex, national origin, age, handicap or familiar status. Local, minority, and female owned firms are encouraged to participate.

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Grayson County Network Authority

Engineering & Construction of a 911 Communication Tower

I. Introduction:

The Grayson County Network Authority Board is seeking proposals for Engineering and Construction of a communication tower to be located on Pond Mountain from qualified professional firms that have the comprehensive scope of services to design, build, and install required equipment for the proper operation of 911 emergency response equipment in the western end of the county.

II. Scope of Work:

Quantity of one (1) class III 90' self-supporting tower

The tower will be triangular in design, 3' - 0" on a face and consist of solid welded 20' sections. See the tower profile included in this proposal for the design parameters.

The tower will be designed to support the following equipment:

	ANTENNA MODEL NUMBER (QTY)	RADOME		ELEVATION C.O.R	TX. UNE SIZE & TYPE	FREQUENCY	AZIMUTH TO NORTH	ANTE AMOUNT (DESIGN)	MOUNT PROVIDED	
		YES	NO						YES	NO
1	(1) SD212-HF2P4SNM		X	90' @Base	(1) 718"	N/A	Unknown	One (1) 3' Sidearm	X	
2	(2) SD2 I 2-HF2P4SNM		X	70' @Base	(2) 718"	N/A	Unknown	Two (2) 3' Sidearms	X	
3	(1) 4' H.P. Dish		X	60'	(2) CAT6	6GHz	00	One (1) 4-112" 0.0. Leg-type Dish Mount	X	

Note: The design of this structure will result in the maximum stress ratio existing within the top 45' of the structure.

PROPOSAL

I: TOWER MATERIALS

Complete tower steel and hardware

Anchor bolts and full-size templates

Climbing ladder incorporated into one (1) face

Waveguide support ladder incorporated into three (3) faces

3' sidearm with two (2) tiebacks with one (1) 5' mounting pipe @ the 90' elevation

Two (2) 3' sidearms each with two (2) tiebacks with one (1) 5' mounting pipe @the 70' elevation

4-1/2" O.D. leg dish mount @the 60' elevation

Safety cable kit without harness (100')

TIA standard grounding kit

4' x 5/8" lightning rod copper clad

2-7/8" x 15' lightning rod extension

P.E. certified tower profile and foundation drawings

Final erection drawings

PROPOSAL

II: FOUNDATION INSTALLATION

Install foundations based on presumptive clay soil, per TIA-222-H.

III: TOWER ERECTION

The following is included in the erection price:

Offload tower materials from truck and inventory

Erect tower steel complete

Install 3' sidearm with two (2) tiebacks with one (1) 5' mounting pipe @ the 90' elevation

Install Two (2) 3' sidearms each with two (2) tiebacks with one **(1)** 5' mounting pipe @the 70' elevation
Install 4-1/2" O.D. leg dish mount @ the 60' elevation

Install Safety cable kit without harness (100')

Install TIA standard grounding kit

Install 4' x 5/8" lightning rod copper clad

Install 2-7/8" x 15' lightning rod extension

IV: TOWER FREIGHT TO GRAYSON COUNTY, VA included

V: ANCHOR BOLT FREIGHT TO GRAYSON COUNTY, VA included

VI: OPTIONS:

Cost of Waveguide Bridge 2-Leg 1' x 10' (18' Direct Burial) with three (3) 1 level trapeze kits (each)

Installation cost of each.

PROPOSAL

Submitted By: _____
Vendor Organization's Name

Signature: _____
Authorized Representative Signature

Date: _....._

Acceptance of Customer:

Please enter our order for the above items in accordance with this proposal.

Signature of Authorized Representative

Name (Print)

Title

Date