

## Title and Summary

Request for Bid ("RFB")  
RFB Title:

No. FY13-0103  
Fiber Distribution Systems

RFB to Publication:

As follows:  
[www.orangeburgcounty.org](http://www.orangeburgcounty.org)  
Bulletin Board, 3<sup>rd</sup> Fl., Admin. Centre

RFB Composition:

RFB FY13-0103 is composed of the following:

- Title and Summary pages - this document
- Code Articles 1 through 7
- Code & Articles Acknowledgement
- Scope of Work
  - Specifications
  - Attachment 1
  - Bid Sheet (worksheet only)
- Certified Bid Form
- Vendor Qualifications and Information
- Certification of No Exceptions
- Certification of Preference(s)
- Addendum Acknowledgements

RFB Amendments:

If any, will be published/posted on the following:  
<http://www.orangeburgcounty.org/>

Contracting Entity:

Orangeburg County, South Carolina ("Owner")  
A political subdivision of the State of South Carolina

Owner Contacts:

Procurement Director Jannella Shuler  
Orangeburg County Procurement Office  
1437 Amelia St. ("Administrative Center")  
Orangeburg SC 29115  
[jshuler@orangeburgcounty.org](mailto:jshuler@orangeburgcounty.org)

Project Engineer Ethan Beeks  
W. Metts Engineering Co., Inc.  
121 Bridge St.  
Branchville, SC 29423  
[ethan@wmetts.com](mailto:ethan@wmetts.com)

Pre-Submission of Bid

- Questions: If bidders have questions, same shall be  
Directed to Project Engineer  
Mode of Communication via e-mail only  
No later than 12-Noon 12/31/12

Bid:

- Submission Composition: Each submitted Bid is required to be composed of Two (2) copies of the following, including fully completed and executed forms:
  - Code and Articles Acknowledgment
  - Addendum Acknowledgment
  - Certification of No Exceptions
  - Certification of Preference(s)
  - Certified Bid Sheet
  - Vendor's Certification of Qualifications and Information
  
- Submission Deadline: 2:00 p.m. on Jan 3, 2012
- Submission Location: Administrative Centre, 3<sup>rd</sup> Floor Procurement Office
- Opening Time: 2:00 p.m. on Jan 3, 2012
- Opening Location: Administrative Centre, 3<sup>rd</sup> Floor Procurement Office

Additional Information, Including Special Conditions:

To the extent the Procurement Code requires the Procurement Director to take certain action regarding the certification of bids, recommendations, and award for this RFB, the Project Engineer shall be deemed to have the duties otherwise assigned to the Procurement Director.

Procurement Code Section 1-302.3.a. applies to this procurement. The funding agency's procurement requirements will govern the procurement in any instance in which those requirements conflict with the Orangeburg County Procurement Code. To the extent that is the case, this procurement is exempt from the conflicting provisions of the Orangeburg County Procurement Code.

This Project will to be converted to an RUS 773 Contract. Please note that this contract doesn't allow for subcontractors.

Code and Articles Acknowledgement

RFB No. FY13-0103 Fiber Distribution Systems

Articles 1 through 7 of the Code are incorporated by reference as if set forth verbatim in this RFB. As stated in the Code, a submitting vendor agrees that the Code governs this procurement from RFB to solicitation through completion of any resulting contract, including disputes, if any.

ACCESS TO CODE. On November 16, 2009, Orangeburg County Council, the governing body of Orangeburg County, repealed all aspects of its procurement policy and enacted the **Orangeburg County Procurement Code** (the "Code"). The Code may be accessed online without charge at <http://www.orangeburgcounty.org/Purchasing/code.html> A copy of the Code is available for review without charge at the Office of the Procurement Director. If neither of those options meets your needs, a hard-copy of the Code is also available for purchase at the Office of the Procurement Director.

Method of Source Selection.

The source selection method applicable to this procurement is Competitive Sealed Proposals, Code §5-304.

The undersigned vendor understands and agrees to be bound to the Code regarding all matters arising from the RFB identified above.

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Printed Vendor Name

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Signature of Vendor's Authorized Agent

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Printed Name of Vendor's Authorized Agent

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Title of Vendor's Authorized Agent

Certification of No Exceptions

RFB No. FY13-0103 Fiber Distribution System

The Code requires vendors to give written notice with a submission if vendor will not accept a term of the Request for Bid and the incorporated Code as a contract term. See Code §4-302. In connection with that requirement, a vendor must complete this certification and include it in its submission.

Vendor certifies the following regarding its Bid:

1. Vendor AGREES to all of the terms of the Invitation to Bid (including the incorporated Code terms) and takes NO EXCEPTIONS:  Yes  No
  
2. Vendor does NOT AGREE to all of the terms of the Invitation to Bid (including the incorporated Code terms), and a COMPLETE LIST OF VENDOR'S EXCEPTIONS to same are listed and described below:

Yes  No

Identification Of Excepted Term	Description of vendor's substituted term	Vendor's Initials
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Exception 1:

Exception 2:

Exception 3:

Exception 4:

Exception 5:

The undersigned vendor hereby certifies that the above-listed exceptions comprise the only exceptions vendor has to the RFB (including the incorporated Code terms). The undersigned vendor understands and agrees that if it is the successful vendor, its attempt to claim any exceptions other than those listed above, shall result in the County having the right to claim the bid security bond, retract the intent to award or award, award to another vendor, and suspend and/or debar the vendor.

\_\_\_\_\_  
Printed Vendor Name

\_\_\_\_\_  
Signature of Vendor's Authorized Agent

\_\_\_\_\_  
Printed Name of Vendor's Authorized Agent

\_\_\_\_\_  
Title of Vendor's Authorized Agent

Certification of Preference(s)

Request for Bid No. FY13-0103 – Fiber Distribution Systems

(The Code authorizes specific preferences. See Article 3. If a vendor is qualified for one or more preferences and desires to exercise the preference(s), then the vendor must complete and submit this form with its proposal. If a vendor is either (1) not qualified for any preference OR (2) is qualified, but does not desire to exercise any preference, then the vendor does not need to complete or submit this form with its proposal.

Vendor is qualified for and desires to exercise the following preference(s) as vendor has marked, below:

Preference 1. Vendor is a resident of the State of South Carolina:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Preference 2. Vendor is a resident of Orangeburg County, SC:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Preference 3. Vendor is an MBE:	<input type="checkbox"/> Yes	<input type="checkbox"/> No

The undersigned vendor hereby certifies that vendor is qualified for the preference(s) above to which the vendor has indicated "Yes". In addition, the undersigned vendor understands and agrees that if it is not qualified for a preference, but claims to be qualified for a preference on this form, the County shall have the right to suspend and/or debar the vendor in accordance with the Code.

\_\_\_\_\_  
Printed Vendor Name

\_\_\_\_\_  
Signature of Vendor's Authorized Agent

\_\_\_\_\_  
Printed Name of Vendor's Authorized Agent

\_\_\_\_\_  
Title of Vendor's Authorized Agent

Addendum Acknowledgement

Request for Bid No. FY13-0103 – Fiber Distribution Systems

Vendor acknowledges receipt of the follow Addendum to the above-described procurement, agrees that same is/are hereby incorporated and made a part of the above-described procurement as if the Addendum had been included in the original procurement documents:

Addendum No.	Addendum Date	Initials of Vendor's Authorized Agent
_____	_____	_____
_____	_____	_____
_____	_____	_____

\_\_\_\_\_  
Printed Vendor Name

\_\_\_\_\_  
Signature of Vendor's Authorized Agent

\_\_\_\_\_  
Printed Name of Vendor's Authorized Agent

\_\_\_\_\_  
Title of Vendor's Authorized Agent

## Vendor Qualifications and Information

Request for Bid No. FY13-0103 – Fiber Distribution Systems

Vendor shall provide with its proposal, the following (3) copies which should be collated, fastened together, and clearly labeled “Vendor’s Certification of Qualifications and Information for Invitation to Bid No. FY13-0103”:

1. Documentation of vendor’s specific comparative experience(s) to demonstrate that vendor has successful experience with a comparative scope of work. The vendor’s specific comparative experience should include a brief description of whatever parallels vendor believes exist between the scope of work for this procurement and vendor’s actual experience. Vendor may, but is not required to, supply up to three (3) client references in connection with its response to this item.
2. Documentation of vendor’s general viability to demonstrate vendor can satisfactorily and timely complete the scope of work, including evidence that vendor has all of the following:
  - a. Adequate capital;
  - b. An acceptable credit rating;
  - c. Efficient office force with satisfactory record timely and sufficient materials delivery and communications skills to act as liaison with mechanical trades;
3. Vendor’s current organizational chart and a description of the general history of the vendor.
4. A description of any litigation within the last 10 years to which vendor has been a party.
5. Vendor current Certificate of Insurance Liability to include Workmen’s Compensation.

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Printed Vendor Name

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Signature of Vendor’s Authorized Agent

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Printed Name of Vendor’s Authorized Agent

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Title of Vendor’s Authorized Agent

## SCOPE OF WORK/SPECIFICATIONS

Request for Bid- FY13-0103 – Fiber Distribution Systems

The scope of services requested by the county for this RFB No. FY13-0103 are as follows:

The County's goal is to select a vendor capable of providing the relay racks, fiber enclosure cabinets and patch panels for seven (7) exchanges within a reasonable project timeline and under a reasonable budget.

This Project will to be converted to an RUS 773 Contract. Please note that this contract doesn't allow for subcontractors.

### General Information

Any proposal offers as a result of the Request for Bid shall be binding for sixty (60) calendar days following the opening date. Any proposal determined to deviate from the provided form and provide material list will be deemed unresponsive and will be rejected.



## 1. OPTICAL DISTRIBUTION FRAMES

**1.1. Equipment Frames.** The Bidder is requested to provide standard WECO network, non-seismic equipment racks to mount the Owner's FTTP electronics and fiber patch panels. TE LSX or equivalent high density distribution frames kits are requested. The following quantity is requested by location:

- Rowesville – 7'High x 23" Wide (2ea.)
- Branchville – 7'High x 23" Wide (2ea.)
- Cattle Creek – 7'High x 23" Wide (2ea.)
- Duncan's Chapel – 7'High x 23" Wide (2ea.)
- Bowman – 7'High x 23" Wide (3ea.)
- Canaan – 7'High x 23" Wide (2ea.)
- Firefighter – 7'High x 23" Wide (2ea.)

**1.2. Fiber Management.** Each frame should include interbay cable management panels and a cable trough for routing and management of fiber patch cords.

**1.3. End Guards.** The Bidder's proposal shall include end guards for each side of the fiber distribution systems.

**1.4. Misc.** The proposal should include all miscellaneous racking infrastructure (i.e. Anchor bolts, etc).

## 2. PATCH PANELS

**2.1. Panels.** The Bidder is requested to provide TE LSX 288 port or equivalent fiber patch panels. The patch panels should be equipped with SC/APC type connectors. The following numbers of patch panels are requested:

- Rowesville – (6) 288 port panels
- Branchville – (6) 288 port panels
- Cattle Creek – (3) 288 port panels
- Duncan's Chapel – (5) 288 port panels
- Bowman – (9) 288 port panels
- Canaan – (5) 288 port panels
- Firefighter – (6) 288 port panels

**2.2. Patchcords.** The proposal should include 1400 1.7mm fiber patch cords for connecting the Owner's FTTP electronics to the proposed fiber panels. The fiber patch cords shall be 10 meters in length and have SC/APC type connectors on each end.

**2.3. Fiber Stub.** Each fiber patch panel should come with two (2) 144 ribbon fiber stubs. The fiber stubs shall be 50' in length to connect the panels to the high density wall enclosure.

### **3. WALL FIBER ENCLOSURE**

**3.1. High Density Enclosure.** The Bidder is requested to provide high density indoor wall fiber enclosure cabinets (FEC) and splice trays for each exchange. The FEC and splice trays shall be capable of supporting the number of entrance cables and fiber sizes as well as the fiber splice count shown in Attachment No. 1. The proposed FEC and splice trays shall be TE or equivalent.

### **4. WARRANTY**

**4.1. Warranty.** The vendor is requested to provide a full 1 yr. warranty of all material included in the proposal.

### **5. INSTALLATION**

**5.1. Installation.** The Bidder's proposal should include the installation of all fiber distribution system racks, patch panels and FEC in each seven (7) exchanges. The installation shall also include routing the fiber stubs from each of the fiber patch panels to the high density FECs.

**ATTACHMENT NO. 1**

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
ROWESVILLE	864 RIBBON	1584
	432 RIBBON	
	216 RIBBON	
	72 RIBBON	

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
FIREFIGHTER	864 RIBBON	1488
	576 RIBBON	
	48 RIBBON	

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
DUNCAN'S CHAPEL	576 RIBBON	1296
	576 RIBBON	
	144 RIBBON	

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
CATTLE CREEK	288 RIBBON	720
	288 RIBBON	
	144 RIBBON	

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
BOWMAN	864 RIBBON	2520
	576 RIBBON	
	432 RIBBON	
	432 RIBBON	
	216 RIBBON	

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
CANAAN	864 RIBBON	1440
	576 RIBBON	

<b>LOCATION</b>	<b>NUMBER OF CABLES / SIZE</b>	<b>FIBER SPLICE COUNT</b>
BRANCHVILLE	864	1584
	432	
	288	

FIBER DISTRIBUTION MANGEMENT SYSTEM

BID SHEET (Worksheet only)

BASE BID			
LOCATIONS	MATERIAL	LABOR	TOTAL
ROWESVILLE			
BRANCHVILLE			
CATTLE CREEK			
FIREFIGHTER			
DUNCAN'S CHAPEL			
BOWMAN			
CANAAN			
<b>TOTAL:</b>	XXXXXXXX	XXXXXXXX	

**Certified Bid Form (To Be Returned with Bid) Page 1 of 2**

Request for Bid FY13-0103 Fiber Distribution Systems

**FIBER DISTRIBUTION SYSTEMS  
BID SHEET**

BASE BID			
LOCATIONS	MATERIAL	LABOR	TOTAL
ROWESVILLE			
BRANCHVILLE			
CATTLE CREEK			
FIREFIGHTER			
DUNCAN'S CHAPEL			
BOWMAN			
CANAAN			
<b>TOTAL:</b>	XXXXXXXX	XXXXXXXX	

Total Certified Base Bid Amount \$ \_\_\_\_\_

By signature below, the submitting vendor certifies to Orangeburg County that:

1. The Total Bid Amount, above, is inclusive of all costs, including labor, supervision, materials, supplies, transportation, permits, licenses, taxes or any other costs, incidental or otherwise, for complete and proper performance of the scope of work described in Request for Bid FY13-1219.
2. Vendor understands and agrees that, due to budget constraints, Orangeburg County reserves the right to adjust or amend the work requirements and/or negotiate with the lowest, most responsive, qualified, and responsible supplier in an effort to reach a cost that is fair, reasonable, and acceptable to both parties.
3. Vendor must warrant workmanship for a minimum of 1 years from date of completion.
4. The foregoing proposal: contains prices that are firm for a minimum of 60 days from the date of opening; is made without prior understanding, agreement, or connection with any other submitting vendor; and is in all respects fair and without collusion or fraud.
5. The Vendor must provide itemized cost for each location.

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Printed Vendor Name

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Date of Signature

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Signature of Vendor's Authorized Agent

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Printed Name of Vendor's Authorized Agent

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Title of Vendor's Authorized Agent