

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

TAYLOR COUNTY RURAL ELECTRIC
COOPERATIVE CORPORATION

_____)
ALLEGED FAILURE TO COMPLY WITH)
ADMINISTRATIVE REGULATION 807 KAR)
5:041, SECTION 3)
)

) CASE NO. 98-247

O R D E R

Taylor County Rural Electric Cooperative Corporation ("Taylor County RECC"), a Kentucky cooperative corporation which engages in the distribution of electricity to the public for compensation for lights, heat, power, and other uses, and which was formed pursuant to KRS 279.010 to 279.220, is a utility subject to Commission jurisdiction. KRS 278.010; KRS 279.210.

KRS 278.280(2) directs the Commission to prescribe rules and regulations for the performance of services by utilities. Pursuant to this statutory directive, the Commission promulgated Administrative Regulation 807 KAR 5:041, Section 3, which requires electric utilities to maintain their plant and facilities in accordance with the standards of the National Electrical Safety Code (1990 edition) ("NESC").

Commission Staff has submitted to the Commission a Utility Accident Investigation Report dated April 13, 1998, appended hereto, in which Commission Staff alleges:

1. On October 30, 1996, Phillip Walker was injured as he installed Taylor County RECC electric distribution facilities in Green County, Kentucky.

2. At the time of the incident, Phillip Walker was installing a new distribution line. As he worked out of a bucket truck and was pulling up an unenergized line, he came into contact with a nearby energized 7200 volt single phase distribution line. He suffered burns on both hands and was briefly hospitalized for his injuries.

3. At the time of the incident, Phillip Walker was not wearing the rubber gloves which had been provided to him.

4. At the time of the incident, Charles Dwayne Walker was the first line supervisor at the work site.

5. At the time of the incident, Phillip Walker and Charles Dwayne Walker were employees of Bluegrass Electrical Construction ("Bluegrass") and were acting within the scope of their employment.

6. At the time of incident, Bluegrass was acting within the scope of a contract with Taylor County RECC to construct and install certain utility plant.

7. At the time of the incident, Phillip Walker was wearing no protective clothing.

8. NESC Rule 420H requires persons to use the personal protective equipment, protective devices, and special tools provided for their work.

9. NESC Rule 441A prohibits a person from approaching within certain distances a line or part that is normally energized unless the line or part is de-energized, or the person is insulated from the energized line or part, or the energized line or part

is insulated from the person, or the person is insulated from all conducting surfaces other than the one upon which he is working.

10. NESC Section 421A requires a first level supervisor or person in charge to adopt such precautions as are within the individual's authority to prevent accidents and to see that safety rules and operating procedures are observed by persons under his direction.

11. Phillip Walker violated NESC Sections 420H and 441A when he failed to wear his protective gloves while installing the mechanical hot line jumper.

12. Charles Dwayne Walker violated NESC Section 421A by failing to adopt such precautions as were within his authority to prevent accidents and to see that Phillip Walker observed all safety rules and operating procedures.

Based on its review of the Utility Accident Investigation Report and being otherwise sufficiently advised, the Commission finds that prima facie evidence exists that Taylor County RECC has failed to comply with Administrative Regulation 807 KAR 5:041, Section 3.

The Commission, on its own motion, HEREBY ORDERS that:

1. Taylor County shall appear before the Commission on September 9, 1998, at 10:00 a.m., Eastern Daylight Time, in Hearing Room 1 of the Commission's offices at 730 Schenkel Lane, Frankfort, Kentucky, for the purpose of presenting evidence concerning the alleged violation of Administrative Regulation 807 KAR 5:041, Section 3, and of showing cause why it should not be subject to the penalties prescribed in KRS 278.990(1) for this alleged violation.

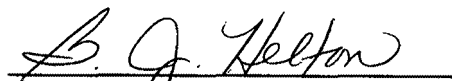
2. Taylor County RECC shall submit to the Commission within 20 days of the date of this Order a written response to the allegations contained in the Utility Accident Investigation Report.

3. The Utility Accident Investigation Report of April 13, 1998, a copy of which is appended hereto, is made part of the record of this proceeding.


4. Any motion requesting any informal conference with Commission Staff to consider any matter which would aid in the handling or disposition of this proceeding shall be filed with the Commission no later than 20 days from the date of this Order.

Done at Frankfort, Kentucky, this 12th day of May, 1998.

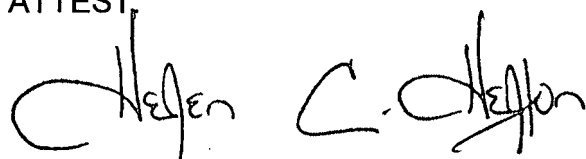
PUBLIC SERVICE COMMISSION


Chairman


Vice Chairman


Commissioner

ATTEST:




Executive Director

APPENDIX A

AN APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE
COMMISSION IN CASE NO. 98-247 DATED MAY 12, 1998

**UTILITY ACCIDENT
INVESTIGATION REPORT**

Utility:	Taylor County RECC				
Reported By:	Mr. John F. Patterson, Office Manager				
Dates & Times					
Accident Occurred:	10/24/96 - Approximately 5:15 p.m.				
Utility Notified:	10/24/96 - Approximately 6:15 p.m.				
PSC Notified:	10/24/96 - Approximately 7:15 p.m.				
Investigated:	10/25/96				
Written Report Rcvd:	10/30/96				
Location of Accident:	1401 Temperance Road, Green County, Kentucky				
Description of Accident:	<p>Mr. Phillip Walker was working out of a bucket truck pulling up a new line in new construction. Mr. Walker made contact with a 7200 Volt single phase line. Mr. Walker was not wearing rubber gloves and the energized phase was not covered.</p> <p>Mr. Charles Dwayne Walker, the supervisor, was at another tap on the project site when the accident occurred.</p>				
Victims:					
Name:	Phillip Walker	Fatal:	No	Age:	28
Addr./Empl.:	Bluegrass Electrical Construction, Inc., Somerset, Kentucky				
Injuries:	Burns on both hands, exit wound on right hand				
Witnesses:	Name	Address/Employment			
	There were no witnesses				
Sources of Information:	Name	Address/Employment			
	Mr. John Patterson	Taylor County RECC			
	Mr. Barry L. Meyers	Taylor County RECC			
Probable Violations:	NESC, 1990 Edition, Section 42 & 44, Rules for Supply Employees. Rule 420H. Tools and Protective Equipment; Rule 421.A.1&2. General Operating rules; Rule 441A. Approach to Energized Conductors or Parts.				

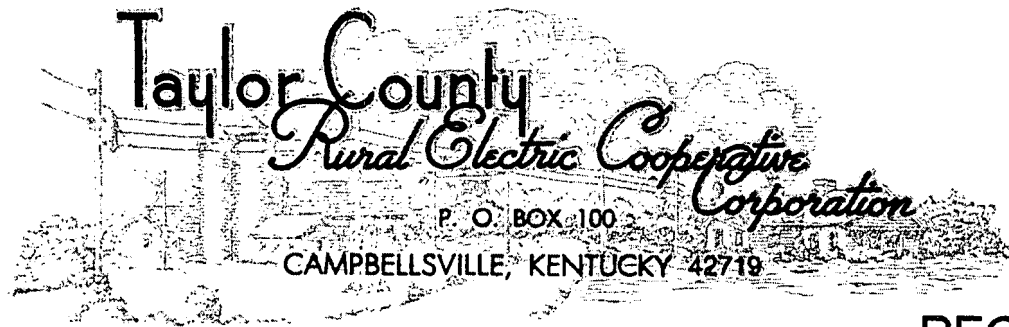
Line Clearances At Point of Accident:	Measured	Minimum Allowed by NESC	Applicable NESC Edition ¹ 1990	Volt.	Constr. Date
Primary Phase:	34' - 0"	18' - 6"	Table 232-1	7200 V	Oct. '96
Neutral:	30' - 0"	15' - 6"	Table 232-1	N/A	Oct. '96
Date of Measurement:	10/25/96				
Approximate Temp.:	47°F				
Measurements Made By:	Marshall Barnett, Willard Clark, Joe Phelps, and Robert Ueltschi, PSC				
Investigated By:	Robert Ueltschi				
Signed:					

- Attachments
- A. Taylor County RECC's Accident Report
 - B. Photographs of Accident Site
 - C. Construction Contract Between Taylor County RECC and Bluegrass Electrical Construction, Inc.

¹ Current edition adopted by the Commission. If clearances are not in compliance with the current edition, then the edition in effect when the facilities were last constructed or modified would apply.

Attachment A

Taylor County RECC's Accident Report



RECEIVED

OCT 30 1996

PUBLIC SERVICE
COMMISSION

DATE: October 29, 1996

TO: Don Mills, Executive Director
Public Service Commission
P.O. Box 615
Frankfort, KY 40602

FROM: Barry L. Myers
Taylor County R.E.C.C.
P.O. Box 100
Campbellsville, KY 42719

SUBJECT: Electric Contact Accident: Employee of Bluegrass
Electrical Construction, Inc., Somerset, KY.

DATE OF ACCIDENT: Thursday, October 24, 1996

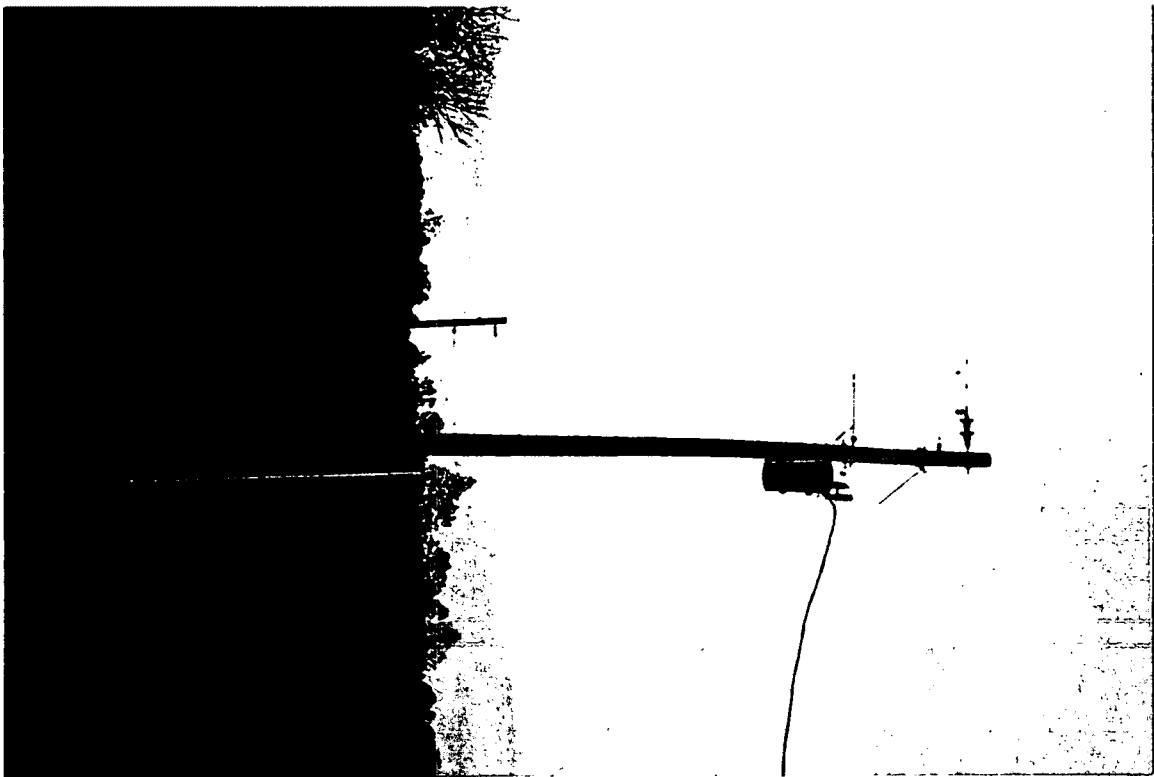
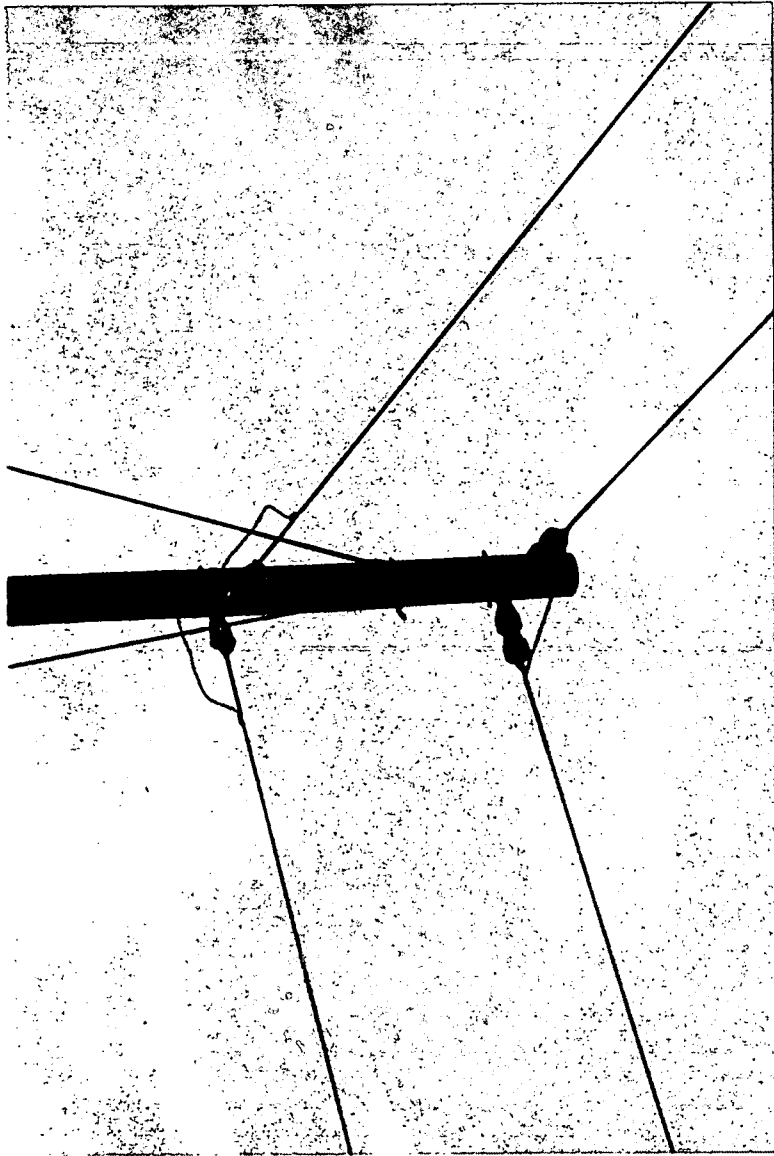
TIME: Approximately 5:15 P.M., EDT

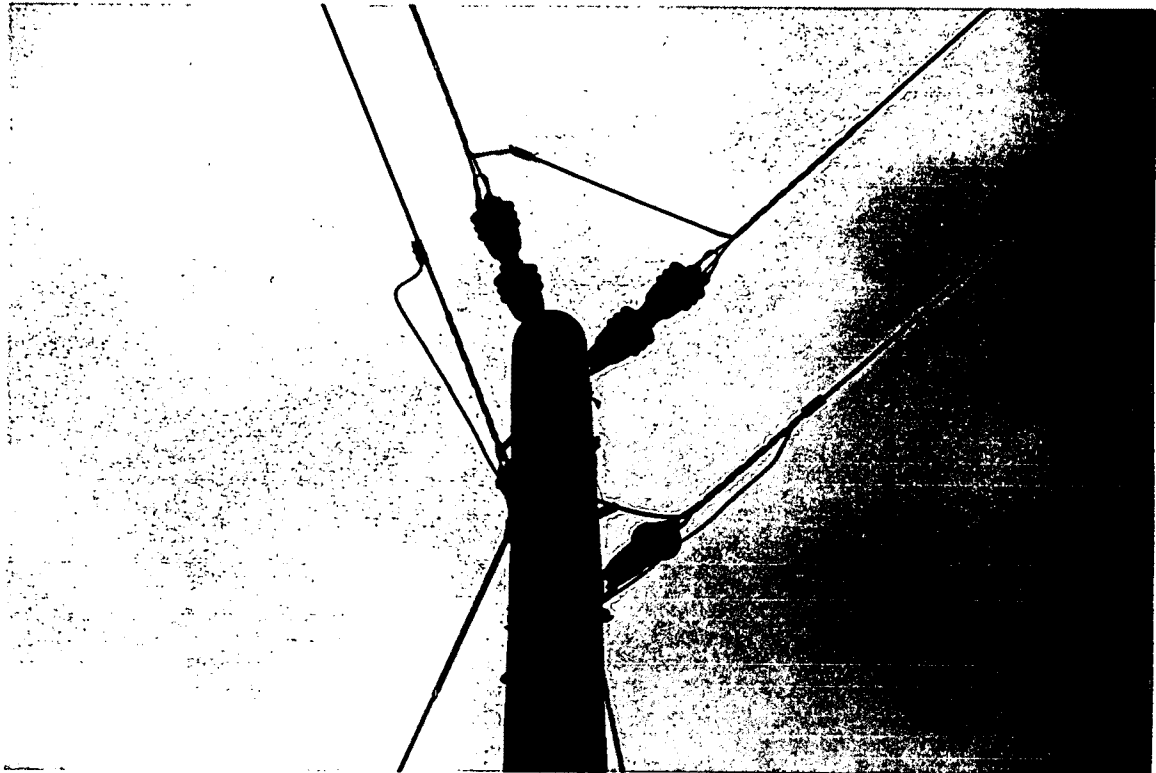
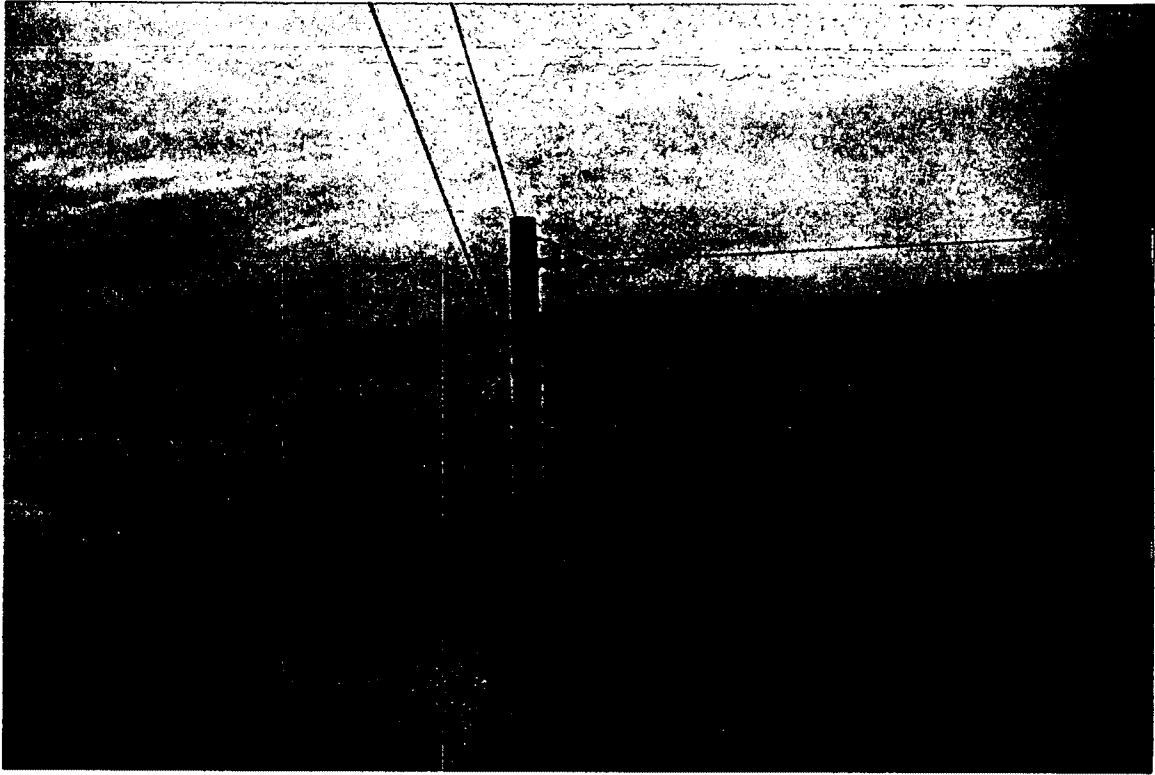
NAME: Phillip Walker -Age 28
Burnside, KY

ACCIDENT LOCATION: Kevin Atwood Property
1401 Temperance Road
Green County, Kentucky 42743

ACCIDENT: Phillip Walker made contact with 7200 volt single
phase power line. Mr. Walker was admitted to Taylor
County Hospital - Kept overnight for observation -
Released Friday, October 25, 1996.

Attachment B
Photographs of Accident Site





Attachment C

Construction Contract Between Taylor County RECC and Bluegrass Electrical Construction, Inc.



United States
Department of
Agriculture

Rural
Utilities
Service

RUS
Form 792

February 1995

Distribution Line Extension Construction Contract (Labor Only)

DISTRIBUTION LINE EXTENSION CONSTRUCTION CONTRACT
(Labor Only)

RUS Form 792

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U.S. Department of Agriculture
Rural Utilities Service

**DISTRIBUTION LINE EXTENSION CONSTRUCTION CONTRACT
(Labor Only)**

PROPOSAL

TO:

Taylor County Rural Electric Cooperative Corporation, P.O. Box 100, Campbellsville, KY
(hereinafter called the "Owner"). 42719

ARTICLE I—GENERAL

Section 1. Offer to Construct. *The undersigned (hereinafter called the "Contractor") hereby proposes to construct for the prices hereinafter stated, with materials furnished by the Owner, the rural electric project*

Work Plan 1995-1997, 19 _____ - *Line Extensions (hereinafter called "Project") in strict accordance with the Plans, Specifications, and Construction Drawings hereinafter referred to. The Contractor understands and agrees that the Project will consist of line extensions and additions and line changes or similar work usually associated with overhead or underground distribution system improvement or extension work all located within the area served or ultimately to be served by the Owner and that the exact location and scope of individual sections of the Project (hereinafter called "Sections") will be made known to the Contractor from time to time as provided in Article II, Section 1 hereof; and provided, however, that the Contractor shall not be obligated to start construction of any Section unless the cost of construction of the Section computed on the unit prices of this Proposal shall amount to at least* FIVE HUNDRED

_____ *dollars (\$ 500.00) and provided further that the Owner shall be obligated to release to the Contractor for construction at least one Section pursuant to the provisions of this Proposal.*

Section 2. Additional Projects. *From time to time the Owner and the Contractor may enter into negotiations for the performance of work at labor prices which may differ from those in the Proposal (such work being hereinafter called "Additional Projects"). Except as may otherwise be agreed upon in writing by the Owner and the Contractor at the time the supplemental contract for the Additional Project is negotiated, the provisions of the Contract for the Project shall apply.*

Section 3. Proposal on Unit Basis. *The Contractor understands and agrees that the various Construction Units considered in this Proposal are defined by symbols and descriptions in this Proposal, that the Proposal is made on a unit basis, and that the Owner may specify, as provided in Article II, Section 1 hereof, any number or combination of Construction Units which the Owner, may deem necessary for the construction of the Project. If kinds of Construction Units for which prices are not established in this Proposal are necessary for the construction of the Project, the prices of such additional Units shall be as agreed upon in writing by the Owner and the Contractor prior to the time of installation. The unit prices herein set forth are applicable to*

work performed on unenergized lines. Such unit prices shall be increased by Refer to Attachment 1

(_____) percent for all units installed on energized lines in accordance with instructions of the Owner, as provided in Article II, Section 1g.

Section 4. Description of Contract. *The Specifications and Construction Drawings set forth in:*

*RUS Bulletin 50-3, Specifications and Drawings for 12.5/17.2 kV Line Construction;
RUS Bulletin 50-5, Specifications and Drawings for 14.4/24.9 kV Line Construction;
RUS Bulletin 50-6, Specifications and Drawings for Underground Electric Distribution;*

as applicable, which by this reference are incorporated herein, together with the Plans, Proposal and Acceptance constitute the Contract. The Plans, consisting of maps and special drawings, and approved modifications in standard specifications are attached hereto and identified as follows:

N/A

Section 5. Familiarity with Conditions. *The Contractor acknowledges that it has made a careful examination of the site of the Project and of the Plans, Specifications and Construction Drawings, and has become informed as to the location and nature of the proposed construction, the transportation facilities, the kind and character of soil and terrain to be encountered, the kind of equipment, tools, and other facilities required before and during the construction of the Project and has become acquainted with the availability status of materials to be furnished by the Owner and with the labor conditions which would affect work on the Project.*

Section 6. License. *The Contractor warrants that a Contractor's license is , is not , required, and if required, it possesses Contractor's License No. N/A for the State of _____ in which the Project is located, and said license expires on _____, 19_____.*

Section 7. Contractor's Resources. *The Contractor warrants that it possesses adequate financial resources for the performance of the work covered by this Proposal and that it will provide necessary tools and equipment and a qualified superintendent and other employees.*

Section 8. Changes in Construction. *The Contractor agrees to make such changes in construction previously installed in the Project by the Contractor as required by the Owner on the following basis:*

The cost of labor shall be the reasonable cost thereof as agreed upon by the Contractor and the Owner but in no event shall it exceed two (2) times the labor price quoted in the Proposal for the installation of the unit to be changed. Such compensation shall be in lieu of any other payment for the installation and removal of the original unit but shall not include the cost of the installation, if any, of a new or replacing unit, payment for which shall be made at the unit price as quoted in the Proposal.

No payment shall be made to the Contractor for correcting errors or omissions on the part of the Contractor which result in construction not in accordance with the Plans and Specifications.

ARTICLE II—CONSTRUCTION

Section 1. Time and Manner of Work. *The Contractor agrees to be prepared to commence the construction of the Project within fifteen (15) calendar days after written notice by the Owner of acceptance of the Proposal. The*

Contractor agrees to commence construction of a Section within Fifteen

(15) days after receipt in writing from the Owner of the following:

- a. *Location and number of the various Construction Units required for construction of the Section (hereinafter called the "Staking Sheets").*
- b. *Itemized list of the materials required for the construction of the Section and an authorization by the Owner for the Contractor to obtain such materials from the Owner's warehouse located at*

Headquarters, West Main Street, Campbellsville, KY

- c. A schedule showing the rate at which construction of the Section shall proceed and the total number of calendar days (excluding Sundays) to be allowed for completion; provided, however, that the required completion time for any Section shall not be less than _____ (120) days or as mutually agreed by letter) days per mile of line, whichever is the greater, which days shall be calendar days (excluding Sundays). The time of the completion of the Section is of the essence of the contract to be effected by acceptance of this Proposal.
- d. A statement that all required easements and rights-of-way have been obtained from the owners of the properties across which the Section is to be constructed (including tenants who may reasonably be expected to object to such construction).
- e. A statement that all necessary staking has been completed.
- f. A statement that all necessary funds for prompt payment for the construction of the Section will be available.
- g. Specific instruction as to location and extent of work to be performed on energized lines, if any.

The Contractor will not be required to dig holes, set poles, install anchors, install underground conduit, perform any plowing for the installation of underground cable, or dig trenches if there are more than six (6) inches of frost in the ground nor to perform any construction on such days when in the judgment of the Owner snow, rain, or wind or the results of snow, rain, or frost make it impracticable to perform any operations of construction; provided further that the contractor will not perform any plowing for the installation of underground cable on public roads or highways if there are more than two (2) inches of frost in the ground. To the extent of the time lost due to the conditions described herein and approved in writing by the Owner, the time of completion set out above will be extended. The time for completion shall be extended for a period of any reasonable delay (other than a delay resulting from the failure of the Contractor to secure sufficient labor) which is due exclusively to causes beyond the control and without the fault of the Contractor including acts of God, fires, floods, inability to obtain materials, direction of the Owner to cease construction as herein provided, and acts or omissions of the Owner with respect to matters for which the Owner is solely responsible: Provided, however, that no such extension of time for completion shall be granted the Contractor unless within ten (10) days after the happening of any event relied upon by the Contractor for such an extension of time the Contractor shall have made a written request therefor in writing to the Owner, and provided further that no delay in such time of completion or in the progress of the work which results from any of the above causes, except acts or omissions of the Owner, shall result in any liability on the part of the Owner.

Section 2. Changes in Plans, Specifications and Drawings. The Owner may, from time to time during the progress of the construction of the Project, make such changes in, additions to, or subtractions from the Plans, Specifications, and Construction Drawings as conditions may warrant: Provided, however, that if the cost to the Contractor shall be materially increased by any such change or addition, the Owner shall pay the Contractor for the reasonable cost thereof in accordance with a construction contract amendment signed by the Owner and the Contractor, but no claim for additional compensation for any such change or addition will be considered unless the Contractor shall have made a written request therefor to the Owner prior to the commencement of work in connection with such change or addition.

Section 3. Supervision and Inspection.

- a. The Contractor shall cause the construction work on the Project to receive constant supervision by a competent superintendent (hereinafter called the "Superintendent") who shall be present at all times during working hours where construction is being carried on. The Contractor shall also employ, in connection with the construction of the Project, capable, experienced, and reliable foremen and such skilled workmen as may be required for the various classes of work to be performed. Directions and instructions given to the Superintendent by the Owner shall be binding upon the Contractor.

- b. *The Owner reserves the right to require the removal from the Project of any employee of the Contractor if in the judgment of the Owner such removal shall be necessary in order to protect the interest of the Owner. The Owner shall have the right to require the Contractor to increase the number of his employees and to increase or change the amount or kind of tools and equipment if at any time the progress of the work shall be unsatisfactory to the Owner; but the failure of the Owner to give any such directions shall not relieve the Contractor of his obligations to complete the work within the time and in the manner specified in this Proposal.*
- c. *The manner of performance of the work, and all equipment used therein, shall be subject to the inspection, tests, and approval of the Owner. The Owner shall have the right to inspect all payrolls and other data and records of the Contractor relevant to the work. The Contractor will provide all reasonable facilities necessary for such inspection and tests. The Contractor shall have an authorized agent accompany the inspector when final inspection is made and, if requested by the Owner, when any other inspection is made.*
- d. *In the event that the Owner shall determine that the construction contains or may contain numerous defects, it shall be the duty of the Contractor, if requested by the Owner, to have an inspection made by an engineer approved by the Owner for the purpose of determining the exact nature, extent, and location of such defects.*

Section 4. Defective Workmanship. *The acceptance of any workmanship by the Owner shall not preclude the subsequent rejection thereof if such workmanship shall be found to be defective after installation, and any such workmanship found defective before final acceptance of the work or within one (1) year after completion shall be remedied or replaced, as the case may be, by and at the expense of the Contractor. In the event of failure by the Contractor so to do, the Owner may remedy such defective workmanship and in such event the Contractor shall pay to the Owner the cost and expense thereof. The Contractor shall not be entitled to any payment hereunder so long as any defective workmanship, in respect of the Project, of which the Contractor shall have had notice, shall not have been remedied or replaced, as the case may be.*

Section 5. Materials. *At or prior to the commencement of construction of each Section, the Owner shall make available to the Contractor all materials for such Section which the Owner has on hand, and from time to time as such additional deliveries of materials, if any, are received by the Owner, the Owner shall make such materials available to the Contractor: Provided, however, that the Contractor or his authorized representative will give to the Owner a receipt in such form as the Owner shall approve for all materials furnished by the Owner to the Contractor. The Contractor will return to the Owner or reuse in the construction of other assembly units all materials removed from the lines under Section H - Conversion Assembly Units and Section I - Removal Assembly Units. Upon completion of each Section of the Project the Contractor will return to the Owner all materials, including usable materials as well as scrap, furnished by the Owner in excess of those required for the construction of the Section as determined from the Final Inventory approved by the Owner. The Contractor will reimburse the Owner at the current invoice cost to the Owner for loss and for breakage through Contractor's negligence of materials furnished by the Owner to the Contractor and for materials removed from the lines by the Contractor.*

Section 6. Term of Contract. *It is understood and agreed that, notwithstanding any other provisions of this Contract, the Contractor will not be required to commence any construction after the expiration of 1 year , 2 years , following acceptance of this Proposal by the Owner.*

ARTICLE III—PAYMENT

Section 1. Payments to Contractor.

- a. *Within the first fifteen (15) days of each calendar month, the Owner shall make partial payment to the Contractor for construction accomplished during the preceding calendar month on the basis of completed Construction Units furnished and certified to by the Contractor and approved by the Owner solely for the*

purpose of payment: Provided, however, that such approval by the Owner shall not be deemed approval of the workmanship or materials. Only ninety percent (90%) of each such estimate approved during the construction of a Section shall be paid by the Owner to the Contractor prior to completion of the Section. Upon completion by the Contractor of the construction of a Section, the Contractor will prepare a Final Inventory of the Section showing the total number and character of Construction Units and, will certify it to the Owner together with a certificate of the total cost of the construction performed. Upon the approval of such certificates, the Owner shall make payment to the Contractor of all amounts to which the Contractor shall be entitled thereunder which shall not have been paid.

- b. The Contractor shall be paid on the basis of the number of Construction Units actually installed at the direction of the Owner, as shown by the Inventory based on the Staking Sheets: Provided, however, that the total cost shall not exceed the maximum Contract price for the construction of the Project, unless such excess shall have been approved in writing by the Owner. It is understood and agreed that this maximum

Contract price is N/A dollars (\$). It is also agreed that the Contractor shall not be entitled to any claim for damages on account of any reasonable additions to or subtractions from the Project, or of any delay occasioned thereby, or of any changes in the routing of the lines.

- c. No payment shall be due while the Contractor is in default in respect of any of the provisions of this Contract and the Owner may withhold from the Contractor the amount of any claim by a third party against either the Contractor or the Owner based upon an alleged failure of the Contractor to perform the work hereunder in accordance with the provisions of this Contract.

Section 2. Certificate of Contractor and Indemnity Agreement - Line Extensions. Upon the Completion of Construction of any Section of the Project but prior to payment to the Contractor of any amount in excess of ninety percent (90%) of the total cost of all Construction Units comprising the completed Section, the Contractor shall deliver to the Owner in the form attached hereto, (1) a certificate that all persons who have furnished labor in connection with the Project and subcontractors who have furnished services for the Project have been paid in full, and (2) an agreement to hold the Owner harmless against any liens arising out of the Contractor's performance hereunder which may have been or may be filed against the Owner.

ARTICLE IV—PARTICULAR UNDERTAKINGS OF THE CONTRACTOR

Section 1. Protection to Persons and Property. The Contractor shall at all times take all reasonable precautions for the safety of employees on the work and of the public, and shall comply with all applicable provisions of Federal, State, and Municipal safety laws and building and construction codes, as well as the safety rules and regulations of the Owner. All machinery and equipment and other physical hazards shall be guarded in accordance with the "Manual of Accident Prevention in Construction" of the Associated General Contractors of America unless such instructions are incompatible with Federal, State, or Municipal laws or regulations.

The following provisions shall not limit the generality of the above requirements:

- a. The Contractor shall at no time and under no circumstances cause or permit any employee of the Contractor to perform any work upon energized lines, or upon poles carrying energized lines, unless otherwise specified in accordance with Article II, Section 1, subsection g.
- b. The Contractor shall so conduct the construction of the Project as to cause the least possible obstruction of public highways.
- c. The Contractor shall provide and maintain all such guard lights and other protection for the public as may be required by applicable statutes, ordinances, and regulations or by local conditions.

- d. *The Contractor shall do all things necessary or expedient to protect property any and all parallel, converging, and intersecting lines, joint line poles, highways, and any and all property of others from damage, and in the event that any such parallel, converging and intersecting lines, joint line poles, highways, or other property are damaged in the course of the construction of the Project the Contractor shall at its own expense restore any or all of such damaged property immediately to as good a state as before such damage occurred.*
- e. *Where the right-of-way of the Project traverses cultivated lands, the Contractor shall limit the movement of his crews and equipment so as to cause as little damage as possible to crops, orchards, or property and shall endeavor to avoid marring the lands. All fences which are necessarily opened or moved during the construction of the Project shall be replaced in as good condition as they were found and precautions shall be taken to prevent the escape of livestock. Except as otherwise provided in the descriptions of underground plowing and trenching assembly units, the Contractor shall not be responsible for loss of or damage to crops, orchards, or property (other than livestock) on the right-of-way necessarily incident to the construction of the Project and not caused by negligence or inefficient operation of the Contractor. The Contractor shall be responsible for all other loss of or damage to crops, orchards, or property, whether on or off the right-of-way, and for all loss of or damage to livestock caused by the construction of the Project.*
- f. *The Project, from the commencement of work to completion, or to such earlier date or dates when the Owner may take possession and control in whole or in part as hereinafter provided shall be under the charge and control of the Contractor and during such period of control by the Contractor all risks in connection with the construction of the Project and the materials to be used therein shall be borne by the Contractor. The Contractor shall make good and fully repair all injuries and damages to the Project or any portion thereof under the control of the Contractor by reason of any act of God or other casualty or cause whether or not the same shall have occurred by reason of the Contractor's negligence.*
- (i) *To the maximum extent permitted by law, Contractor shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all claims, causes of action, losses, liabilities, and expenses (including reasonable attorney's fees) for personal loss, injury, or death to persons (including but not limited to Contractor's employees) and loss, damage to or destruction of Owner's property or the property of any other person or entity (including but not limited to Contractor's property) in any manner arising out of or connected with the Contract, or the materials or equipment supplied or services performed by Contractor, its subcontractors and suppliers of any tier. But nothing herein shall be construed as making Contractor liable for any injury, death, loss, damage, or destruction caused by the sole negligence of Owner.*
- (ii) *To the maximum extent permitted by law, Contractor shall defend, indemnify, and hold harmless Owner and Owner's directors, officers, and employees from all liens and claims filed or asserted against Owner, its directors, officers, and employees, or Owner's property or facilities, for services performed or materials or equipment furnished by Contractor, its subcontractors and suppliers of any tier, and from all losses, demands, and causes of action arising out of any such lien or claim. Contractor shall promptly discharge or remove any such lien or claim by bonding, payment, or otherwise and shall notify Owner promptly when it has done so. If Contractor does not cause such lien or claim to be discharged or released by payment, bonding, or otherwise, Owner shall have the right (but shall not be obligated) to pay all sums necessary to obtain any such discharge or release and to deduct all amounts so paid from the amount due Contractor.*
- (iii) *Contractor shall provide to Owner's satisfaction evidence of Contractor's ability to comply with the indemnification provisions of subparagraphs i and ii above, which evidence may include but may not be limited to a bond or liability insurance policy obtained for this purpose through a licensed surety or insurance company.*
- g. *Any and all excess earth, rock, debris, underbrush, and other useless material shall be removed by the Contractor from the site of the Project as rapidly as practicable as the work progresses.*

- h. Upon violation by the Contractor of any provisions of this section, after written notice of such violation given to the Contractor by the Owner, the Contractor shall immediately correct such violation. Upon failure of the Contractor so to do the Owner may correct such violation at the Contractor's expense.*
- i. The Contractor shall submit to the Owner monthly reports in duplicate of all accidents, giving such data as may be prescribed by the Owner.*
- j. The Contractor shall not proceed with the cutting of trees or clearing of right-of-way without written notification from the Owner that proper authorization has been received from the owner of the property, and the Contractor shall promptly notify the Owner whenever any landowner objects to the trimming or felling of any trees or the performance of any other work on his land in connection with the Project and shall obtain the consent in writing of the Owner before proceeding in any such case.*

Section 2. Insurance. *The Contractor shall take out and maintain throughout the period of this Agreement the following types and minimum amounts of insurance:*

- a. Workers' compensation and employer's liability insurance, as required by law, covering all their employees who perform any of the obligations of the contractor, engineer, and architect under the contract. If any employee or employee is not subject to workers' compensation laws of the governing state, then insurance shall be obtained voluntarily to extend to the employer and employee coverage to the same extent as though the employer or employee were subject to the workers' compensation laws.*
- b. Public liability insurance covering all operations under the contract shall have limits for bodily injury or death of not less than \$1 million each occurrence, limits for property damage of not less than \$1 million each occurrence, and \$1 million aggregate for accidents during the policy period. A single limit of \$1 million of bodily injury and property damage is acceptable. This required insurance may be in a policy or policies of insurance, primary and excess including the umbrella or catastrophe form.*
- c. Automobile liability insurance on all motor vehicles used in connection with the contract, whether owned, nonowned, or hired, shall have limits for bodily injury or death of not less than \$1 million each occurrence, and property damage limits of \$1 million for each occurrence. This required insurance may be in a policy of policies of insurance, primary and excess including the umbrella or catastrophe form.*

The Owner shall have the right at any time to require public liability insurance and property damage liability insurance greater than those required in subsections "b" and "c" of this Section. In any such event, the additional premium or premiums payable solely as the result of such additional insurance shall be added to the Contract price.

The Owner shall be named as Additional Insured on all policies of insurance required in subsections "b" and "c" of this Section.

The policies of insurance shall be in such form and issued by such insurer as shall be satisfactory to the Owner. The Contractor shall furnish the Owner a certificate evidencing compliance with the foregoing requirements which shall provide not less than (30) days prior written notice to the Owner of any cancellation or material change in the insurance.

Section 3. Bond. *If the estimated cost of the construction of a Section shall exceed \$100,000, the Contractor agrees to furnish prior to the commencement of such construction, a bond in the penal sum not less than the estimated cost of such Section in the form attached hereto with a Surety or Sureties listed by the United States Treasury Department as acceptable sureties. In the event that the Surety or Sureties on the performance bond delivered to the Owner shall at any time become unsatisfactory to the Owner, the Contractor agrees to deliver to the Owner another or an additional bond.*

Section 4. Delivery of Possession and Control to the Owner. Upon written request of the Owner, the Contractor will deliver to the Owner full possession and control of any portion of the Project provided the Contractor shall have been paid at least ninety percent (90%) of the cost of construction of such portion. Upon such delivery of possession and control to the Owner, the risks and obligations of the Contractor as set forth in Section 1f of this Article IV with respect to such portion so delivered to the Owner, shall be terminated; Provided, however, that nothing herein contained shall relieve the Contractor of any liability with respect to defective workmanship as specified in Article 11, Section 4.

ARTICLE V—REMEDIES

Section 1. Completion on Contractor's Default. If default shall be made by the Contractor or by any subcontractor in the performance of any of the terms of this Proposal, the Owner, without in any manner limiting its legal and equitable remedies in the circumstances, may serve upon the Contractor and the Surety, if any, a written notice requiring the Contractor to cause such default to be corrected forthwith. Unless within twenty (20) days after the service of such notice upon the Contractor and the Surety, if any, such default shall be corrected or arrangements for the correction thereof satisfactory to the Owner shall be made, the Owner may take over the construction of the Project and prosecute the same to completion by contract or otherwise for the account and at the expense of the Contractor, and the Contractor shall be liable to the Owner for any cost or expense in excess of the Contract price occasioned thereby. In such event the Owner may take possession of and utilize, in completing the construction of the Project, any materials, tools, supplies, equipment, appliance, and plant belonging to the Contractor or any of its subcontractors, which may be situated at the site of the Project. The Owner in such contingency may exercise any rights, claims, or demands which the Contractor may have against third persons in connection with this Proposal and for such purpose the Contractor does hereby assign, transfer, and set over unto the Owner all such rights, claims, and demands.

ARTICLE VI—MISCELLANEOUS

Section 1. Patent Infringement. The Contractor will save harmless and indemnify the Owner from any and all claims, suits, and proceedings for the infringement of any patent or patents covering any equipment used in the work.

Section 2. Permits for Explosives. All permits necessary for the handling or use of dynamite or other explosives in connection with the construction of the Project shall be obtained by and at the expense of the Contractor.

Section 3. Compliance with Statutes and Regulations. The Contractor will comply with all applicable statutes, ordinances, rules, and regulations pertaining to the work. The Contractor acknowledges that it is familiar with the Rural Electrification Act of 1936, as amended, the so-called "Kick-Back" Statute (48 Stat. 948), and regulations issued pursuant thereto, and 18 U.S.C. 287,1001, as amended. The Contractor understands that the obligations of the parties hereunder are subject to the applicable regulations and orders of Governmental agencies having jurisdiction in the premises.

Section 4. Equal Opportunity Provisions.

a. *Contractor's Representations.*

The Contractor represents that:

It has , does not have , 100 or more employees, and if it has, that it has , has not , furnished the Equal Employment Opportunity—Employers Information Report EEO-1, Standard Form 100, required of employers with 100 or more employees pursuant to Executive Order 11246 and Title VII of the Civil Rights Act of 1964.

The Contractor agrees that it will obtain, prior to the award of any subcontract for more than \$10,000 hereunder to a subcontractor with 100 or more employees, a statement, signed by the proposed subcontractor, that the proposed subcontractor has filed a current report on Standard Form 100.

The Contractor agrees that if it has 100 or more employees and has not submitted a report on Standard Form 100 for the current reporting year and that if this Contract will amount to more than \$10,000, the Contractor will file such report, as required by law, and notify the Owner in writing of such filing prior to the Owner's acceptance of this Proposal.

b. *Equal Opportunity Clause.* During the performance of this Contract, the Contractor agrees as follows:

- (1) *The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The Contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, sex, or national origin. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this Equal Opportunity Clause.*
- (2) *The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, or national origin.*
- (3) *The Contractor will send to each labor union or representative of workers, with which it has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.*
- (4) *The Contractor will comply with all provisions of Executive Order 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.*
- (5) *The Contractor will furnish all information and reports required by Executive Order 11246 of September 24, 1965, and by rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to its books, records, and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.*
- (6) *In the event of the Contractor's noncompliance with the Equal Opportunity Clause of this Contract or with any of the said rules, regulations, or orders, this Contract may be cancelled, terminated, or suspended in whole or in part, and the Contractor may be declared ineligible for further Government contracts or federally assisted construction contracts in accordance with procedures authorized in Executive Order 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as provided by law.*
- (7) *The Contractor will include this Equal Opportunity Clause in every subcontract or purchase order unless exempted by the rules, regulations, or order of the Secretary of Labor issued pursuant to Section 204 of Executive Order 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the administering agency, the Contractor may request the United States to enter into such litigation to protect the interests of the United States.*

- c. *Certificate of Nonsegregated Facilities. The Contractor certifies that it does not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Contractor certifies further that it will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it will not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The Contractor agrees that a breach of this certification is a violation of the Equal Opportunity Clause in this Contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, or national origin, because of habit, local custom, or otherwise. The Contractor agrees that (except where it has obtained identical certifications from proposed subcontractors for specific time periods) it will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity Clause, and that it will retain such certifications in its files.*

Section 5. Franchises and Rights-of-way. *The Contractor will be under no obligation to obtain or assist in obtaining any franchises, authorizations, permits, or approvals required to be obtained by the Owner from Federal, State, County, Municipal or other authority; any rights-of-way over private lands or any agreements between the Owner and third parties with respect to the joint use of poles, crossing or any other matter incident to the construction and operation of the Project.*

Section 6. Nonassignment of Contract. *The Contractor will not assign the Contract effected by an acceptance of this Proposal or any part thereof or enter into any contract with any person, firm or corporation for the performance of the Contractor's obligations thereunder, or any part thereof, without the approval in writing of the Owner.*

Section 7. Definitions.

- a. *The term "Owner" shall also include an engineer employed by the Owner, or a firm or engineer retained by the Owner, and designated by the Owner to act in that capacity. The Contractor will be notified in writing by the Owner of those designated to act for the Owner at the time of acceptance of this Proposal.*
- b. *The term "Completion of Construction" shall mean full performance by the Contractor of the Contractor's obligations under the contract and all amendments and revisions thereof relating to any Section of the Project or to the Project except the Contractor's obligations in respect of (i) Certificate of Contractor and Indemnity Agreement - Line Extensions under Article III, Section 2 hereof and (ii) the Final Inventory referred to in Article III, Section 1a hereof.*
- c. *The term "Completion" shall mean full performance by the Contractor of the Contractor's obligations under the Contract and all amendments and revisions thereof relating to any Section of the Project or to the Project.*

Section 8. Extension to Successors and Assigns. Each and all of the covenants and agreements contained in the Contract effected by the acceptance of the Proposal shall extend to and be binding upon the successors and assigns of the parties thereto.

Bluegrass Electrical Construction, Inc.
CONTRACTOR

By W. H. Phelps
PRESIDENT

P.O. Box 1526

Somerset, KY 42502
ADDRESS

ATTEST:

R. J. Phelps
SECRETARY

Date of Proposal August 30, 1995

This Proposal must be signed with the full name of the Contractor. If the Contractor is a partnership, the Proposal must be signed in the partnership name by a partner. If the Contractor is a corporation, the Proposal must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the Corporation.

CONSTRUCTION UNITS - NEW CONSTRUCTION

Section 1 - POLE UNITS

A pole unit consists of the installation of one pole. The first two digits indicate the length of the pole; the third digit shows the classification per A.S.A. (Example: 25-6 means a pole 25 feet long, class 6.)

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

POLE TOP ASSEMBLY UNITS

A pole top assembly unit consists of the installation of the hardware, crossarms and their appurtenances, insulators, etc., except tie wire, required to support the primary conductors.

SECTION A - 1 Phase		SECTION B - V Phase		SECTION C - 3 Phase	
Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

CONSTRUCTION UNITS - NEW CONSTRUCTION *(Continued)*

***POLE TOP ASSEMBLY UNITS** *(Continued)*

SECTION A - 1 Phase		SECTION B - V Phase		SECTION C - 3 Phase	
Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

Section D - CONDUCTOR ASSEMBLY UNITS

A conductor assembly unit consists of the installation of 1,000 feet of conductor or cable for primaries, secondaries or services. Tree trimming necessary for installing services and secondaries on poles not carrying primary line is included with the conductor assembly unit and shall be performed in accordance with the directions of the Owner. The service shall be connected to the secondary or transformer and 2 feet of conductor or cable shall be left for connecting to the consumer's service entrance. In computing the compensation to the Contractor for conductor assembly units only the horizontal distance between conductor supports or pole stales shall be used. The conductor or cable sizes and types listed are the manufacturer's designation.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

Section E - GUY ASSEMBLY UNITS

A guy assembly unit consists of the installation of the hardware and wire, and guy insulator where necessary. An overhead guy assembly unit does not include the associated pole and down guy, each of which is listed separately. Guy guards are designated separately.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

Section F - ANCHOR ASSEMBLY UNITS

An anchor assembly unit consists of the installation of an anchor with rod complete, ready for attaching the guy wire.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

Section G - TRANSFORMER ASSEMBLY UNITS

A transformer assembly unit consists of the installation of the transformer, its protective equipment and its hardware and leads with their connectors and supporting insulators and pins. This unit does not include the installation of the pole top, secondary, service, or grounding assemblies.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

Section J - SECONDARY ASSEMBLY UNITS

A secondary assembly unit consists of the installation of the hardware, insulators, etc., to support the secondary conductor or cable. It does not include the installation of the secondary conductor or cable, or of any hardware, insulators, etc., required to support service conductors or cable.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

Section K - SERVICE ASSEMBLY UNITS

A service assembly unit consists of the installation of the hardware, insulators, etc. to support the service conductors or cable. It does not include the installation of the service conductor or cable, or of any hardware, insulators etc. required to support secondary conductors or cable.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

Section M - MISCELLANEOUS ASSEMBLY UNITS

A miscellaneous assembly unit consists of the installation of an additional unit needed in the Project for new line construction but not otherwise listed in the Proposal. This section includes the installation of grounding assemblies, fuse cutouts, reclosers, sectionalizers, switches, capacitors, regulators, metering and other assembly units.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price
SEE ATTACHMENT 1					

Section R - RIGHT-OF-WAY CLEARING UNITS

R1-10. *The unit is 1,000 feet in length and 10 feet in width (to be measured on one side of the pole line) of actual clearing of right-of-way. This includes clearing of underbrush, tree removal, and such tree trimming as is required so that the right-of-way, except for tree stumps which shall not exceed _____ in height, shall be clear from the ground up on one side of the line of poles carrying primary conductors. This unit does not include clearing or trimming associated with secondaries or services which is included with conductor units. The length of actual clearing shall be measured in a straight line parallel to the horizontal line between stakes and across the maximum dimension of foliage cleared projected to the ground line. All trees and underbrush across the width of the right-of-way, as designated by the Owner shall be considered to be grouped together as a single length in measuring the total length of clearing. Spaces along the right-of-way in which no trees are to be removed or trimmed or underbrush cleared shall be omitted from the total measurement. All length thus arrived at, added together and divided by 1,000, shall give the number of 1,000-foot R1-10 units of clearing. This unit includes the removal or topping, at the option of the Contractor, of danger trees outside of the right-of-way when so designated by the Owner. (Danger trees are defined as dead or leaning trees which, in falling, will affect the operation of the line.) The Contractor shall not remove or trim shade, fruit, or ornamental trees unless so directed by the Owner.*

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

R1-20. This unit is identical with R1-10 except that width is 20 feet (to be measured 10 feet on each side of the pole line).

R1-30. This unit is identical with R1-10 except that width is 30 feet (to be measured 15 feet on each side of the pole line).

R1-40. This unit is identical with R1-10 except that width is 40 feet (to be measured 20 feet on each side of the pole line).

RC1-10, RC1-20, RC1-30, RC1-40. These units are identical to the respective R1 units except that chemical treatment of stumps is required in addition to the clearing of underbrush, tree removal and tree trimming.

Additional Requirements (When specifying R1 units denote type of disposal (A or B).)

A. Trees, brush, branches and refuse shall, without delay, be disposed of by such of the following methods as the Owner will direct (Owner to strike out methods not to be used):

1. Burned
2. Piled on one side of right-of-way
3. Roller chopped and left on right-of-way in such a manner as not to obstruct roads, ditches, drains, etc.
4. Other (describe) _____

B. Trees that are felled shall be cut to commercial wood lengths, stacked neatly, and left on the right-of-way for the landowner. Commercial wood length means the length designated by the Owner but in no case

shall it be required to be less than _____ (_____) feet. Brush, branches, and refuse shall, without delay, be disposed of by such of the following methods as the Owner will direct (Owner to strike out methods not to be used):

1. Burned
2. Piled on one side of right-of-way
3. Roller chopped and left on right-of-way in such a manner as not to obstruct roads, ditches, drains, etc.
4. Other (describe) _____

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

Section S - SUBSTATION ASSEMBLY UNITS

A substation assembly unit consists of the complete substation ready for connection of the line conductors, as shown on the substation drawings attached.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

Section UD - UNDERGROUND CABLE ASSEMBLY UNITS

An underground cable assembly unit consists of the installation of 1,000 feet of cable for underground primaries, secondaries or services. It does not include the plowing, trenching and backfilling, or the termination of the primary cable which are provided for in other assembly units. It includes the labor for the termination, connection and sealing of secondary and service cables and conductors as shown in the specifications and construction drawings, and the labor for making all primary, secondary and service cable splices (buried cable may be spliced only when and where permitted by the Owner ^{1,2}.) In computing the compensation to the Contractor for underground cable assembly units, only the distance between stakes, paralleling the cable shall be used. The number of units so computed includes all installation of cable in all specified trenches, risers, conduits, crossings, manholes, transformers, terminal housings and meter boxes ³. The conductor or cables listed are the manufacturer's designation of types, size, voltage rating and material. The Contractor and the Owner shall jointly perform cable acceptance tests on installed cable in accordance with the specifications using

test equipment furnished by the _____ (Owner to insert Owner or Contractor).

- ¹ *Owner check here if primary splices are permitted;*
- ² *Owner check here if secondary and service splices are permitted.*
- ³ *Owner check here if 12 feet of service conductor is to be left as a coil three feet from the building with ends capped instead of connection to meter box.*

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

Section UG - UNDERGROUND TRANSFORMER ASSEMBLY UNITS

An underground transformer assembly unit consists of the installation of the transformer, its housing, warning sign, switches, over-current protective devices, grounding loop, and its hardware and leads with their connectors and supporting insulators. This unit also includes the installation of primary cable terminations but not of lightning arresters, fault indicators or ground rods, nor does it include any trenching. For pad-mount transformers, it does not include installation of the pad, drainable material, backfilling, compaction, or site preparation which are included in the pad assembly units. For submersible transformers it includes the installation of cable terminations, of the enclosure and cover, of drainable material (when specified⁴) and the excavation.

⁴ Owner check here if drainable material is specified.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

Section UK - UNDERGROUND SECONDARY AND SERVICE ASSEMBLY UNITS

An underground secondary and service assembly unit consists of the installation of the secondary or service cable terminal housing. It includes the installation of the power pedestal, stake (when required), mounting hardware, warning sign, directional marker, housing identification marking, and the cable identification tags. It does not include the installation of the cable terminations, ground rod, or pad, when required.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

Section UM - MISCELLANEOUS UNDERGROUND ASSEMBLY UNITS

A miscellaneous underground assembly unit consists of the installation of an additional unit needed in the Project for new construction, but not otherwise listed in the Proposal. This section includes the installation of the miscellaneous assembly units as shown on the respective underground construction drawings. Where miscellaneous units consist of or include the installation of a primary cable termination, the unit includes the preparation of the cable to accommodate the termination, the installation of the stress cone, and the connection of the cable to the terminal equipment. Pad assembly units are in this section and include the installation of the bedding, drainable material (when specified), cable slot, and site preparation, backfilling and tamping.

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

Section UR - UNDERGROUND EXCAVATION ASSEMBLY UNITS

- UR1-S (D)** **Plowing Assembly Unit, Soil** - Consists of one (1) lineal foot of plowing in soil, measured parallel to the surface of the ground, to a specified depth (D), in inches, including the compacting, except as specifically provided for in other units. This unit includes all labor required in the repair and/or replacement of streets, roads, drives, fences, lawns, shrubbery, watermains, pipes, pipelines and contents, underground power and telephone facilities, buried sewerage and drainage facilities, and any other property damaged during the plowing of the cable, except as specifically provided for in other units. *NOTE: Where in the judgment of the Owner greater than normal difficulty will be involved in plowing because of the presence of underground facilities of other utilities, this unit will be suffixed by the letter "T". This will be applicable only in those areas predesignated by the Owner on the detail maps herein. All plowing outside of the predesignated area on the map, regardless of the difficulty in placement actually experienced, will be inventoried as the regular UR1-S (D) units. If field conditions show the existence of rock to prevent the placing of the cable in soil to the depth required in the specifications the Owner may specify UR2-R units. Where more than one cable is to be installed in the slot, the UR1-S unit designation should be modified by a suffix corresponding to the number of cables installed. For example, UR1-S (D) 3c for 3 cables plowed at one time.*
- UR2-S (D&W)** **Trenching Assembly Unit, Soil** - Consists of one (1) lineal foot of trenching in soil, measured parallel to the surface of the ground, to a specified depth (D) and width (W), in inches, including the excavation, and backfilling and compacting. This unit includes all labor required in the repair and/or replacement of streets, roads, drives, fences, lawns, shrubbery, watermains, pipes, pipelines and contents, underground power and telephone facilities, buried sewerage and drainage facilities, and any other property damaged by the trenching, except as specifically provided for in other units. *NOTE: Where in the judgment of the Owner greater than normal difficulty will be involved in trenching because of the presence of underground facilities of other utilities, this unit will be suffixed by the letter "T". This will be applicable only in those areas predesignated by the Owner on the detail maps herein. Where more than one cable is to be installed in the trench, the regular UR2-S unit designation should be modified by a suffix corresponding to the construction drawing for the type of cable placement desired.*
- UR2-R (D&W)** **Trenching Assembly Unit, Rock** - Consists of one (1) lineal foot of trenching in rock, measured parallel to the surface of the ground, to specified depth (D) and width (W), in inches, including the excavation, and backfilling and compacting to place cable to the depth specified in the Specifications. This unit will be specified by the Owner only when field conditions at the site show the existence of rock at a depth preventing the placing of the cable in soil to the depths required in the Specifications. This unit includes all labor required in the repair and/or replacement of streets, roads, drives, fences, lawns, shrubbery, watermains, pipes, pipelines and contents, underground power and telephone facilities, buried sewerage and drainage facilities, and any other property damaged by the trenching, except as specifically provided for in other units. This unit does not include underground cable facilities installed in the trench or cable bedding assembly units, when required.
- UR-3** **Cable Bedding Assembly Unit** - Consists of the installation of one (1) lineal foot of a 2-inch bed of clean sand or soil placed in the trench under the cable and a 4-inch layer of clean sand or soil backfill over the cable to the width of the trench. *NOTE: The exact location and number of units shall be determined by the Owner after the trenches are open in those areas where rock or other conditions make special bedding necessary.*
- UR-4a** **Pavement Assembly Unit, Asphalt** - Consists of the labor necessary to remove and restore one (1) lineal foot of asphalt pavement, measured along the route of the cable, including any trenching necessary to place the cable at the required depth. All work shall be performed in accordance with the requirements of State or local authorities.
- UR-4c** **Pavement Assembly Unit, Concrete** - Consists of the labor necessary to remove and restore one (1) lineal foot of concrete pavement, measured along the route of the cable, including any trenching necessary to place the cable at the required depth. All work shall be performed in accordance with the requirements of State or local authorities.

CONSTRUCTION UNITS - NEW CONSTRUCTION (Continued)

- UR-5 () **Underground Pipe Crossing Assembly Unit** - *Consists of the installation of one (1) lineal foot of steel pipe, of the inside diameter, in inches, specified in the last digit of the assembly unit designation, installed in place. This unit includes the pushing of pipe and any excavation, backfilling and tamping necessary for the installation of the pipe. The pipe will be installed at the depth specified by the Owner. The installation of underground cable in the pipe is not included in this unit.*

- UR6 **Underground Nonpipe Crossing Assembly Unit** - *Consists of the labor in providing a hole in soil one (1) foot in length of a diameter sufficient to accommodate the cable to be installed therein. The depth of the hole below the surface of the ground shall be specified by the Owner. This unit includes any excavation, backfilling and tamping necessary for the installation. This unit may be used where the permanent installation of a steel pipe under the UR-5 unit is not required. The installation of underground cable in the pipe is not included in this unit.*

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

CONSTRUCTION UNITS - LINE CHANGES

The general heading of Line Changes applies to the changing of existing lines or portions thereof from their existing phasing, wire size, and type to new phasing, wire size, and type and the removal of existing lines or portions thereof and replacing with new lines in close proximity thereto. In general line changes involve three types of assembly units as follows:

Section H - Conversion assembly units;

Section I - Removal assembly units;

Section N - New construction assembly units on existing lines or in replacing lines.

The assembly units that are included in Sections H, I, and N are defined by symbols and descriptions which follow together with the applicable descriptions included under New Construction. Where the descriptions are not correct or sufficiently explicit, or when special units are not covered by Construction Drawings, descriptions have been provided by the Owner in the respective sections.

Work included in these sections shall be performed under a schedule of deenergization and operating procedures as set forth by the Owner at the time of release of any Section involving work on existing lines. The Contractor will so plan and perform its work that it will be possible to safely reenergize all lines involved at the expiration of the time limits set up in the schedule to resume service to all consumers being served prior to deenergization. Prior to commencement of work each day on lines to be deenergized, and upon completion of work each day on such lines, the Contractor will notify the Owner thereof in writing or in such other manner as the circumstances permit.

Section H - CONVERSION ASSEMBLY UNITS

Conversion assembly units are pole-top assemblies and cover the furnishing of all labor for changing an existing assembly unit to a new assembly unit, utilizing certain items of materials of the existing assembly unit on poles to be left in place. Any materials removed from the existing assembly units which are not required in the construction of the conversion assembly unit are to be reused by the Contractor in the construction of other assembly units, or returned to Owner's warehouse, as directed by the Owner.

Conversion assembly units are specified by the prefix H with the new construction assembly unit designation shown first and the existing assembly unit designation shown last. For example, an H B1-A1 signifies the conversion of an existing A1 assembly unit to a B1 assembly unit (as was defined in the description of construction assembly units). In this instance the Contractor utilizes the existing pin-type insulator, single upset bolt and neutral spool and installs the additional crossarm, crossarm pins, braces, machine bolt, carriage bolts, lag screw, and insulator supplied by the Owner required for the new unit. The Contractor transports the pole-top pin and two machine bolts to the warehouse or uses them on the Project as directed by the Owner.

The Conversion assembly units also include the furnishing of all labor in the transferring, resagging and retying of conductors from one position on the pole to a different position on the pole where such transfers are required. Where replacement of conductor is required, the existing conductor will be removed under Section I and the new conductor installed under Section N.

Where replacement of a pole is required, the existing pole and pole-top assembly will be removed under Section I and the new pole and pole-top assembly will be installed according to Section N and no H units will be involved.

Conversion assemblies are listed in three subsections for converting pole-top assemblies from single to V phase, single to three phase, and V to three phase. The following descriptions apply to only those conversion units not sufficiently explicit:

Unit	Description
	SEE ATTACHMENT 1

CONSTRUCTION UNITS - LINE CHANGES (Continued)

Section H - CONVERSION ASSEMBLY UNITS (Continued)

<i>Subsection H (B-A) 1 Phase to V Phase</i>		<i>Subsection H (C-A) 1 Phase to 3 Phase</i>		<i>Subsection H (C-B) V Phase to 3 Phase</i>	
Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

CONSTRUCTION UNITS - LINE CHANGES (Continued)

Section I - REMOVAL ASSEMBLY UNITS

Removal assembly units cover the furnishing of all labor for the removal of existing units of construction from existing lines, disassembling into material items, and all labor and transportation for the returning of all materials to the warehouse of the Owner in an orderly manner or transporting elsewhere to the site of the Project for reuse in the prosecution of this Contract as directed by the Owner.

The unit removal prices shall include all labor required to reinstall in accordance with specifications any conductors temporarily detached. The Contractor will reinstall at his own expense any other units removed by him for his own convenience.

The removal units are specified by the prefix I and followed by the assembly unit designation of existing assembly unit to be removed. For example, an I-A1 signifies the removal of an A1 assembly unit. The following special notes apply to specific removal units:

- a. **Poles.** *All poles of the same height, regardless of pole class, are designated by the same unit. Thus an I-30-foot pole signifies the removal of a 30-foot pole of any class. The Contractor is not required under this unit to remove from the pole any ground wire or pole numbering attached to the pole. This unit includes the refilling and tamping of holes in a workmanlike manner unless they are to be reused.*
- b. **Pole-top Assemblies.** *The unit of removal of pole-top assemblies includes, in addition to the removal of the assembly itself, any necessary handling, resagging, and retrying of conductors in those cases where an existing pole-top assembly will be removed and replaced by a new pole-top assembly and where any existing conductor is to be reused.*

The unit of removal of pole-top assemblies also includes any holding or handling of mainline or tap conductors at tap lines, angles, and deadends where such is involved, and the reinstalling of such conductor in accordance with the Specifications; for example, an I-A5-4 will include the disconnection of the tap conductors, snubbing off the tap line at the nearest practical point and the reconnection and resagging of these tap conductors if necessary to the new tap assembly when installed. The new unit of construction, however, will be specified separately in Section N.

- c. **Conductor.** *The conductor removal unit covers the removal of 1,000 feet of conductor or cable and reeling or coiling it in a workmanlike manner in such a way that it can be reused by the Contractor or the Owner. The Owner will furnish to the Contractor reels if it is to be returned to the Owner's warehouse on reels. The removal unit for each size of conductor or cable is shown by the prefix I followed by D and the conductor or cable type; thus an I-D 6ACWC signifies the removal unit for 1,000 feet of 6 A Copperweld-copper conductor.*
- d. **Guys.** *All guys regardless of length, type of attachment, or size of guy strand are specified by the same unit; thus an I-E signifies the removal of any guy.*
- e. **Anchors.** *Only anchor rods are to be removed by the Contractor in anchor removal units. The anchors will be left in the ground; thus an I-F signifies the removal of any anchor rod. If the rod cannot be unscrewed, the end of the rod shall either be cut off or bent down so that the rod will be at least 18 inches below ground.*
- f. **Transformers.** *The unit for removal of transformer assembly units is divided into two sections, (1) Conventional Transformer Assembly, and (2) Self-protected Transformer Assembly. Only one unit is specified for each type, and all sizes of transformers from 1 to 15 kVA within each group will be covered by the same unit. "Self-protected" refers to transformers where all protective equipment is mounted on or within the transformer. "Conventional" refers to transformers where protective equipment is mounted separately from the transformer. The unit is designated by the prefix I followed by the description of the unit to be removed; thus, I-G Conventional signifies the removal of a conventional transformer assembly for any size transformer from 1 to 15 kVA.*

CONSTRUCTION UNITS - LINE CHANGES (Continued)

- g. Secondary Units.** *The unit for removal of secondary assemblies includes, in addition to the removal of the assembly itself, all necessary handling such as untying, resagging, and retying of secondary conductor or cables where existing secondary conductor or cable is to be reused.*

In addition, the unit for removal of the secondary assembly includes the handling or holding of any conductor at tap lines where such is involved, and the reinstalling of such tap conductor in accordance with the Specifications.

- h. Service Unit.** *The unit for removal of service assemblies includes, in addition to the removal of the assembly itself, all necessary handling such as untying, resagging, and retying of service conductor or cable where existing service conductor or cable is to be reused.*

The following descriptions apply only to those removal units not sufficiently explicit:

Unit	Description
	SEE ATTACHMENT 1

CONSTRUCTION UNITS - LINE CHANGES *(Continued)*

Section I - REMOVAL ASSEMBLY UNITS *(Continued)*

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

CONSTRUCTION UNITS - LINE CHANGES (Continued)

Section N - NEW ASSEMBLY UNITS

The purpose of this section is to list complete new units of construction where such units are to be added to existing lines or installed in replacing lines.

The units as covered by this section are the same as the units described in Construction Units - New Construction, except that these units are prefixed by the letter N.

For example, an N40-6 unit covers the furnishing of all labor for the installation of a 40-6 pole either in an existing distribution line being operated by the Owner or in a new line being constructed to replace an existing distribution line being operated by the Owner.

The following descriptions apply only to those new units not sufficiently explicit:

Unit	Description

CONSTRUCTION UNITS - LINE CHANGES *(Continued)*

Section N - NEW ASSEMBLY UNITS *(Continued)*

Unit No.	Unit Labor Price	Unit No.	Unit Labor Price	Unit No.	Unit Labor Price

[The text in this section is extremely faint and illegible due to low contrast and scan quality. It appears to be a series of lines of text, possibly a list or a set of instructions.]

ACCEPTANCE

The undersigned hereby accepts the foregoing Proposal of _____
_____, dated _____, to
construct the rural electric Project _____, 19 _____ - Line Extensions.

TAYLOR G RECC
OWNER

By William Harris
PRESIDENT

Bahley Rucker
SECRETARY

11/3/95
DATE OF CONTRACT

U.S. Department of Agriculture
Rural Utilities Service

CONTRACTOR'S BOND

1. Know all men that we, _____, as

Principal, and _____, as Surety,

are held and firmly bound unto _____
(hereinafter called the "Owner") and unto the United States of America (hereinafter called the "Government") and
unto all persons, firms and corporations who or which may furnish materials for or perform labor on a Rural Utilities

Service Project known as Project _____ and to their successors

and assigns, in the penal sum of _____ dollars (\$ _____),
as hereinafter set forth and for the payment of which sum well and truly to be made we bind ourselves, our executors,
administrators, successors and assigns jointly and severally by these presents. Said Project is described in a certain
construction contract (hereinafter called the "Construction Contract") between the Owner and the Principal,

dated _____, 19 _____, pursuant and subject to a certain loan contract
(hereinafter called the "Loan Contract") between the Owner and the Government, acting through the Administrator
of the Rural Utilities Service (hereinafter called the "Administrator").

2. The condition of this obligation is such that if the Principal shall well and truly perform and fulfill all the undertakings, covenants, terms, conditions and agreements of the Construction Contract and any amendments thereto, whether such amendments are for additions, decreases, or changes in materials, their quantity, kind or price, labor costs, mileage, routing or any other purpose whatsoever, and whether such amendments are made with or without notice to the Surety, and shall fully indemnify and save harmless the Owner and the Government from all costs and damages which they, or either of them, shall suffer or incur by reason of any failure so to do, and shall fully reimburse and repay the Owner and the Government for all outlay and expense which they, or either of them shall incur in making good any such failure of performance on the part of the Principal, and shall promptly make payment to all persons working on or supplying labor or materials for use in the construction of the Project contemplated in the Construction Contract and any amendments thereto, in respect of such labor or materials furnished and used therein, to the full extent thereof, and in respect of such labor or materials furnished but not so used, to the extent of the quantities estimated in the Construction Contract and any amendments thereto to be required for the construction of the Project, and shall well and truly reimburse the Owner and the Government, as their respective interests may appear, for any excess in cost of construction of said Project over the cost of such construction as provided in the Construction Contract and any amendments thereto, occasioned by any default of the Principal under the Construction Contract and any amendments thereto, then this obligation shall be null and void, but otherwise shall remain in full force and effect.
3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal and separate amendments hereto, upon any amendment to the Construction Contract, so as to bind the Principal and the Surety to the full and faithful performance of the Construction Contract as so amended, provided only that the total amount of all increases in the cost of construction shall not exceed 20 percent of the amount of the maximum price set forth in the Construction Contract. The term "Amendment," wherever used in this bond, and whether referring to this bond, the Construction Contract or the Loan Contract shall include any alteration, addition, extension, modification, amendment, rescission, waiver, release or annulment, of any character whatsoever.
4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the Principal and the Owner in the terms, provisions, covenants and conditions of the Construction Contract, or in the terms, provisions, covenants and conditions of the Loan Contract (including, without limitation, the granting by the Administrator to the Owner of any extension of time for the performance of the obligations of the Owner under the Loan Contract or the granting by the Administrator or the Owner to the Principal of any extension of time for the performance of the obligations of the Principal under the Construction Contract, or the failure or refusal of the

Administrator or the Owner to take any action, proceeding or step to enforce any remedy or exercise any right under either the Construction Contract or the Loan Contract, or the taking of any action, proceeding or step by the Administrator or the Owner, acting in good faith upon the belief that the same is permitted by the provisions of the Construction Contract or the Loan Contract) shall not in any way release the Principal and the Surety, or either of them or their respective executors, administrators, successors or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence or forbearance, made, granted or permitted.

5. This bond is made for the benefit of all persons, firms and corporations who or which may furnish any materials or perform any labor for or on account of the construction to be performed under the Construction Contract and any amendments thereto, and they, and each of them, are hereby made obligees hereunder with the same force and effect as if their names were written herein as such, and they and each of them may sue hereon.

In witness whereof, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this _____ day of _____, 19_____.

PRINCIPAL (SEAL)

Attest:

By _____

SECRETARY

SURETY (SEAL)

Attest:

By _____

SECRETARY

ADDRESS OF SURETY'S HOME OFFICE

By _____
RESIDENT AGENT OF SURETY

Signatures: The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by a partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A typewritten copy of all such names and signatures shall be appended.

Power of Attorney: The Contractor's Bond must be accompanied by a power of attorney authorizing execution on behalf of the Surety and, in jurisdictions so requiring should be countersigned by a duly authorized resident agent of the Surety.

U.S. Department of Agriculture
Rural Utilities Service

**CERTIFICATE OF CONTRACTOR AND INDEMNITY AGREEMENT
(Line Extensions)**

_____, certifies that
he is the _____, of _____,
TITLE OR DESIGNATION
_____, the Contractor, in a contract dated
NAME OF CONTRACTOR
_____, 19 _____ entered into between the Contractor and _____,
NAME OF RUS BORROWER
the Owner, for the
construction of a rural electric Project (hereinafter referred to as Project), which bears the Project Designation
_____, 19 _____ - Line Extensions, and that he is authorized to and does make this
Certificate and Indemnity Agreement on behalf of said Contractor in order to induce the Owner to make payment to the
Contractor, in accordance with the provisions of the said contract.

Undersigned further says that all persons who have furnished labor in connection with the Section of the Project
represented by the Final Inventory dated _____, in the amount of
\$ _____, have been paid in full; that all manufacturers, materialmen and subcontractors which
furnished any materials or services, or both, for the said Section of the Project have been paid in full; that no lien has
been filed against the Project and no person has any right to claim any lien against the Project.

Undersigned further says that if the Owner pays the Contractor the contract price for the said Section of the
Project the Contractor will indemnify and hold harmless and does hereby undertake and agree to indemnify and hold
harmless the Owner from any claim or lien arising out of the negligence or other fault of the Contractor in respect of the
performance of the contract which may have been or may be filed against the Owner.

SIGNATURE OF CONTRACTOR

* President, Vice-President, Partner or Owner, or, if signed by other than one of foregoing, Power of Attorney signed by one of the foregoing should be attached. Indicate applicable designation.

Public reporting burden for this collection of information is estimated to average .1 an hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Agriculture, Clearance Officer, OIRM, AG Box 7630, Washington, DC 20250; and to the Office of Management and Budget, Paperwork Reduction Project (OMB #0572-0107), Washington, DC 20503. OMB FORM NO. 0572-0107, Expires 11/30/97.

U.S. Department of Agriculture
Rural Utilities Service

SUPPLEMENTAL CONTRACT FOR ADDITIONAL PROJECT

DATE

TO: _____
CONTRACTOR

Pursuant to Article I, Section 2 of the Contractor's Proposal dated _____, for the rural electric Project _____, we request that you construct Additional Project No. _____, consisting of approximately the following system improvement and line extension work: _____

The Additional Project is to be constructed in accordance with all of the provisions of the Contractor's Proposal, except:

1. The time for completion of the Additional Project shall be _____
2. The prices for Construction Units for the Additional Project are attached.

Please indicate your acceptance of the foregoing by signing below, return two signed copies and retain one copy.

Sincerely,

OWNER

By _____
PRESIDENT, VICE PRESIDENT *

ACCEPTANCE:

CONTRACTOR

By _____
PRESIDENT, VICE PRESIDENT, PARTNER *

DATE

* Strike out inapplicable designation

RECEIVED

APR 23 1998

GENERAL COUNSEL