

UNITED STATES DEPARTMENT OF AGRICULTURE  
Rural Utilities Service

BULLETIN 1767B-3

**SUBJECT:** Preparation and Use of the RUS Form 254, Construction Inventory

**TO:** All Electric Borrowers  
RUS Electric Staff  
Borrower Accounting Division

**EFFECTIVE DATE:** Date of Approval

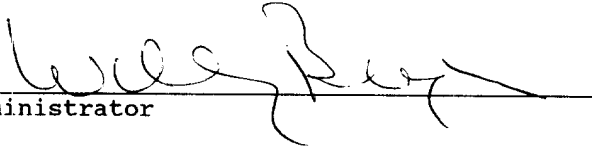
**EXPIRATION DATE:** Four years from effective date

**OFFICE OF PRIMARY INTEREST:** Borrower Accounting Division

**PREVIOUS INSTRUCTIONS:** This Bulletin, together with RUS Bulletin 1767B-2 replaces RUS Bulletin 184-2, Suggested Work Order Procedure for Electric Borrowers of the Rural Utilities Service.

**FILING INSTRUCTIONS:** This is a new bulletin that should be filed with 7 CFR Part 1767. This bulletin is available on REANET.

**PURPOSE:** To provide a uniform system of accounting for amounts due contractors and for additions to and retirements of electric plant resulting from labor and material contracts.

  
\_\_\_\_\_  
Administrator

12/21/94  
\_\_\_\_\_  
Date

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**EXHIBITS TO TEXT:**

- A: RUS Form 254, Construction Inventory
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**ABBREVIATIONS**

RUS      Rural Utilities Service

**1. GENERAL:** The function of plant accounting is to record the various elements of construction and retirement costs in a manner that satisfies the requirements of 7 CFR Part 1767, Accounting Requirements for Rural Utilities Service (RUS) Electric Borrowers, Subpart B, Uniform System of Accounts (Part 1767), and to form the basis for recording plant additions and retirements.

**1.1 The objective** of this bulletin is to provide guidance on the preparation and use of the RUS Form 254, Construction Inventory, and the RUS Form 830, Electric System Construction Contract. The Form 830 contract is illustrated in this bulletin because it utilizes the RUS Forms 254a, 254b, and 254c, in their entirety. The RUS Form 254 is, however, also used to close out the cost of completed construction for the following contracts:

1.1.1 Transmission System Right of Way Clearing Contract, RUS Form 203;

1.1.2 Substation and Switching Station Erection Contract, RUS Form 764;

1.1.3 Electric Transmission Construction Contract, RUS Form 831.

**2. ENGINEERING:** The borrower's engineer monitors construction progress and recommends the amount of the contractor's monthly invoice to be paid in accordance with Article III, Section 1, of the RUS Form 830.

**2.1** When construction is completed, as defined in the RUS Form 830, the engineer prepares five copies of the RUS Forms 254, Construction Inventory (Exhibit A) and 254a (Exhibit B). If applicable, the engineer also prepares five copies of the RUS Forms 254b (Exhibit C) and 254c (Exhibit D).

**2.2** The engineer also performs the duties set forth in RUS Bulletin 81-6, Closeout Procedures and Documents for Contract Construction of Distribution and Transmission Facilities.

**3. CONSTRUCTION INVENTORIES:** The total amount to which the contractor is entitled is calculated on the RUS Form 254.

**3.1** Item A, "Total Cost of Standard, New and Conversion Assembly Units Installed," of the RUS Form 254 includes the labor and material costs of the units installed. These costs are calculated in Column 1 and Columns 3 through 6 of the RUS Form 254a. The total of Column 6, Cost of Construction, is the total cost reported as Item A.

**3.2** Item B, "Cost to Remove "I" Units," on the RUS Form 254 includes the labor costs incurred in removing "I" units in accordance with the contract. Removal costs are tabulated in Column 7, Due Contractor for Units Installed, Converted and Removed - Cost to Remove "I" Units, of the RUS Form 254a and the total is reported as Item B.

**3.3** The cost of installing special equipment items furnished by the borrower and the cost of reinstalling special equipment items previously removed are included in Item A. The cost to remove special equipment is included in Item B. These amounts should be charged to expense when the monthly invoices are recorded. (See Section 10.1 of RUS Bulletin 1767B-2, Work Order Procedure (Electric), for a definition of special equipment items.)

**3.4** Item C, "Amount to be Credited to Contractor for Materials Removed from Existing Facilities and Returned," includes the cost of material, at contract prices, removed from service and returned to the borrower. This amount is tabulated in Column 14, Total Credit to Contractor, of the RUS Form 254b and the total is reported as Item C. The RUS Form 254b is used only when the contract contains "I" removal units (See Section I of the RUS Form 830).

**3.5** Item D, "Amount Chargeable to Contractor for Materials in Assembly Units Removed," includes the cost of material, at contract prices, removed from service and retained by the contractor. This amount is tabulated in Column 9, Amount Chargeable to Contractor for Materials in Assemblies Removed - Total, of the RUS Form 254a and the total is reported as Item D. Each line item in Column 9 is calculated by multiplying the number of units removed by the unit material values from Table C of the RUS Form 830.

**3.6** Item E, "Net Amount of Owner-Furnished Materials," includes material furnished by the borrower. This amount is tabulated in Columns 20 through 24 of the RUS Form 254c and the total of Column 24 is reported as Item E.

**3.7** Item F, "Net Amount Due Contractor," is the net amount of items A through E. When making the final payment to the contractor, this amount is reduced by all prior payments made on the contract to date and any amounts, such as liquidated damages, due the borrower.

**4. ACCOUNTING FOR CONTRACT CONSTRUCTION COSTS:** When the terms of the contract are met over an extended period of time, all or a part of the contract amount is recorded prior to the preparation of the RUS Form 254.

**4.1** Borrower furnished material is charged out of inventory to the contractor using Material Charge Tickets. The contractor now becomes accountable for this material and, as such, the borrower

records a receivable from the contractor. Material is charged to the contractor using Account 143, Other Accounts Receivable, and is credited to Account 154, Plant Materials and Operating Supplies, at its average cost. No material cost is charged to construction at this time. The monthly invoices submitted by the contractor include the cost of borrower furnished material and material provided by the contractor and the contractor's labor costs. Therefore, borrower furnished material is charged to construction when the monthly contractor invoices are recorded. (See Section 4.2.)

**4.1.1** The RUS Form 830 contains a sample materials receipt form for material furnished to the contractor at contract price. The receipt should be signed by both the contractor and the borrower or their agents.

**4.2** The total cost reported on the monthly invoices (material and labor) that are certified to and submitted by the contractor, recommended by the borrower's engineer, and approved by the borrower is charged to Account 107.1, Construction Work in Progress - Contract. Either Account 232.1, Accounts Payable - General, or Account 232.2, Accounts Payable - RUS Construction, is credited, as appropriate.

**4.3** Payments to the contractor (the invoice amount less the amount retained) are debited to the appropriate subaccount of Account 232. A portion of each invoice is retained pending completion of the contract and the approval of the Certificate of Completion - Contract Construction, RUS Form 187, by the borrower and the Administrator of RUS.

**4.3.1** The amount of borrower furnished material included in the invoice is credited to Account 143 at the unit prices shown in the List of Borrower's Materials on Hand in the RUS Form 830. Because the contractor has installed the portion of the borrower furnished material in the units included in the invoice, the contractor is no longer accountable for that portion of the material. Account 143 is credited to relieve the contractor of that responsibility.

**4.3.2** As provided for in Article I, Section 3, of the RUS Form 830, the monthly invoice payable to the contractor is reduced by the cost of material furnished by the borrower and installed by the contractor during the month. The difference between the amount of the invoice, the amount retained, and the credit for owner furnished material (Account 143) is credited to Account 131.1, Cash - General.

**4.4** Because borrower furnished material is charged to construction at contract prices rather than actual costs, it is necessary to adjust Account 107.1 to reflect the actual cost of the material.

**4.4.1** If the unit price stated in the contract is higher than the average cost of the material recorded in Account 143, Account 107.1 must be credited to reflect the lower cost.

**4.4.2** If the unit price stated in the contract is lower than the average cost of the material recorded in Account 143, Account 107.1 must be debited to reflect the higher cost.

**4.5 Special equipment items** are capitalized to the appropriate plant account upon purchase. Therefore, for purposes of tracking special equipment items furnished to the contractor, they are charged to Account 143 at the unit prices shown in the List of Borrower's Materials on Hand in the RUS Form 830. Their cost is charged to construction when the monthly contractor invoices are recorded. When the invoices are recorded, special equipment costs have been capitalized twice - once upon purchase to the appropriate plant account and a second time to construction. The offsetting entry to Account 143 is, therefore, a credit to Account 107.1. This eliminates the duplicate capitalization and retains the original cost of the special equipment items in the proper plant accounts.

**4.5.1** The contractor's labor costs for installing and removing special equipment items are deducted from the costs charged to construction by crediting Account 107.1 and charging the appropriate expense account as follows:

**4.5.1.1** Account 583, Overhead Line Expenses, or Account 584, Underground Line Expenses, for transformers, oil circuit reclosers, voltage regulators and sectionalizers; or

**4.5.1.2** Account 586, Meter Expenses, for meters, meter sockets, current and potential transformers and other metering equipment.

**4.6 The labor costs incurred in removing items** from plant must be reclassified from construction to retirement by charging Account 108.8, Retirement Work in Progress, and crediting Account 107.1. Because the cost of the contractor's invoice initially charged to construction included both construction and retirement costs (See Section 4.2), the amount applicable to retirement must be reclassified to retirement work-in-progress.

**4.7 Other direct and indirect construction costs** incurred by the borrower that are required to complete the contract are detailed and defined in Part 1767, Section 1767.16 (c), Components of Construction Cost. These non-contract costs are charged to Account 107.1.

**4.7.1** These costs should be accumulated on a separate work order; however, they should be submitted to RUS for financing on the same RUS Form 219, Inventory of Work Orders (Exhibit I), that includes the associated contract.

**4.8 Material furnished to the contractor that is not used** and is returned to the borrower is returned to inventory by debiting Account 154. By returning the material, the contractor is no longer held accountable; therefore, Account 143 is credited. Material Credit Tickets (Exhibit C of RUS Bulletin 1767B-2) should be prepared for all material returned by the contractor.

**4.9 Material removed from existing facilities** is charged to the contractor by debiting Account 143 and crediting Account 108.8. If the contractor returns the material to the borrower, the contractor is relieved of his responsibility for the material by crediting Account 143 and debiting Account 108.8. If the material is returned to the borrower, Material Salvage Tickets (Exhibit E of RUS Bulletin 1767B-2) are prepared.

**4.9.1** The Material Salvage Tickets are included in the Summary of Material Salvage Tickets (Exhibit F of RUS Bulletin 1767B-2) for the month and are entered in the Materials Register (Exhibit G of RUS Bulletin 1767B-2) as a debit to Account 154 and a credit to Account 108.8. If the material is reusable, it is priced as follows:

**4.9.1.1** Large, individual items are priced at their original cost, estimated if not known. The cost of repairing these items is charged to the maintenance account appropriate for the previous use; or

**4.9.1.2** Relatively small items, the identity of which cannot be ascertained without undue refinement in accounting, are priced at current prices new for such items. The cost of repairing these items is charged to the maintenance account appropriate for the previous use.

**4.9.2** Salvage tickets should be signed by both the borrower and the contractor or their agents with a copy furnished to the contractor.

**4.9.3** The RUS Form 254b provides space, in Columns 15, 16 and 17, for tracking reusable items salvaged although the amount payable to the contractor is not affected.

**4.10 The cost of special equipment items removed from service and reused** by the contractor have already been charged to retirement (See Section 4.9) and to construction when the contractor's invoice is recorded (See Section 4.2). Since these items are no longer retired, they must be debited to Account 108.8. As discussed in Section 4.5, special equipment items are capitalized upon purchase and any duplicate capitalization of their costs must be eliminated. When the contractor's invoices are recorded, special equipment that has been reused is included in the invoice, as well, and is, therefore, capitalized to Account 107.1. Account 107.1 must be credited to avoid the duplicate capitalization.

**4.11 When the contract is complete** and the completed construction is placed in service, the costs remaining in Account 107.1 are closed to Account 106, Completed Construction not Classified - Electric. After completion of the Unitization and Distribution of Costs, the appropriate plant accounts are charged.

**4.12 The original cost of all plant retired** from service must be eliminated from the appropriate plant accounts and charged to Account 108.8. (See Section 5.)

## **5. RETIREMENTS:**

**5.1 The Section I - Removal Assembly Units**, shown in Column 2 of the RUS Form 254a, are converted to retirement units using the conversion tables in Appendix I of RUS Bulletin 1767B-2. The retirement units are grouped into suitable record units, as shown in Appendix I to RUS Bulletin 1767B-2.

**5.2** The engineer should provide the borrower with the number of grounds removed by the contractor. This enables the grounds to be included in the tabulation of retirement units and their value to be included in the original cost of plant retired.

**5.3** The engineer should provide the borrower with the number of anchor-guy assemblies removed if it differs from the inventory tabulation in the contract.

**5.4** The record units are then summarized (Exhibit S, Tabulation of Record Units - Overhead, and Exhibit T, Tabulation of Record Units for Underground Staking Sheets, of RUS Bulletin 1767B-2 may be used) and priced at the unit costs obtained from the continuing property records to derive the original cost of property retired.

**5.4.1** The original cost of property retired is charged to Account 108.8 and credited to the plant accounts.

**5.4.2** The cost of removal is charged to Account 108.8 and credited to Account 107.1.

**5.4.3** The total amount of the material returned to stock and the amount reused by the contractor is considered salvage.

**5.4.4** The "Net Loss Due to Retirement" (the original cost of property retired plus the cost of removal less salvage) is charged to the appropriate accumulated provision for depreciation and credited to Account 108.8.



## **6. UNITIZATION AND CLASSIFICATION BY RECORD UNITS AND PRIMARY PLANT ACCOUNTS:**

**6.1 The assembly unit for a conventional transformer** also contains a lightning arrester and a cutout which are record units. These units are included in the Tabulation of Record Units and included on the Unitization and Distribution to Plant Accounts (See Section 6.6).

**6.2 The "H" Conversion Assembly Units** included in Column 2 of the RUS Form 254a have no counterpart in the work order procedure. They are described in Section H of the RUS Form 830. The cost of these units includes the labor and any additional material required to change an existing pole-top assembly unit to a different unit.

**6.2.1** Conversion assembly units are identified by the prefix "H" with the new construction assembly unit shown first followed by the existing assembly unit. For example, an H B1:A1 requires the addition of a crossarm, crossarm pins, braces, machine bolt, carriage bolts, lag screw, and insulator; the existing insulator, single upset bolt, and neutral spool is used in the new unit and the contractor retains the pole top pin and two machine bolts. Appendix I of RUS Bulletin 1767B-2, indicates that an A1 construction assembly unit contains no retirement units while a B1 assembly unit includes the addition of a crossarm retirement unit.

**6.2.2** These units, suitably grouped into record units are summarized on the Tabulation of Record Units and included on the Unitization and Distribution to Plant Accounts (See Section 6.6).

**6.3 The conversion of standard new assembly units to record units** is similar to the conversion of construction costs outlined in Section 9, Unitization and Classification of Work Order Costs by Record Units and Primary Plant Accounts, of RUS Bulletin 1767B-2. Appendix I of the RUS Bulletin 1767B-2 contains tables that convert construction units to retirement units. RUS Bulletin 181-2, Standard List of Retirement Units, defines a construction unit, retirement unit and record unit. RUS Bulletin 184-3, Guide for Establishing Continuing Property Records, discusses the organization of record units. Exhibits Q and R, Conversion to Record Units of Property, of RUS Bulletin 1767B-2 may be useful in the conversion. They provide for the direct conversion from construction units to record units without the intermediate retirement units.

**6.4 Tabulation of Record Units**. Exhibit S, Tabulation of Record Units - Overhead, and Exhibit T, Tabulation of Record Units for Underground Staking Sheets, of RUS Bulletin 1767B-2 may be useful in summarizing construction by record units. The cost of labor and minor items of property associated with special equipment items furnished to the contractor by the borrower or removed and

reused by the contractor are charged to expense. However, special equipment items furnished and installed by the contractor are capitalized. These items, shown as memorandum items on the conversion sheets, are brought forward and tabulated in the proper accounts. The total of all the record units, including the special equipment, are posted to Column 2 of the Unitization and Distribution to Plant Accounts (Exhibit V of RUS Bulletin 1767B-2).

**6.5 Standard Record Unit Costs.** Section 9.2.4 of RUS Bulletin 1767B-2 describes standard record unit costs and suggests two methods for establishing them. When the contract is for a type of construction with which the borrower has had no prior experience, such as a first contract for underground or transmission plant, information obtained from the contractor, the consulting engineer, or a similar utility may be helpful.

**6.6 Unitization and Distribution to Plant Accounts.** The Unitization and Distribution to Plant Accounts (Exhibit H) is used to distribute overhead and the other costs recorded in Account 107.1 to the appropriate record units and plant accounts. The description of the record unit is entered in Column 1 if it is not preprinted.

**6.6.1** The totals from the tabulation sheets are posted to Column 2. These represent the record units converted from the new and conversion assembly units in Item A of the RUS Form 254 and include the "Special Equipment" furnished by the contractor.

**6.6.2** The standard record unit costs and the total unit price of the assembly units containing special equipment, (See Section 6.1 concerning conventional transformers) from Column 5 of the RUS Form 254a, are entered in Column 3 and multiplied by Column 2 to determine the total standard costs.

**6.6.3** The total amount of the contract remaining in Account 107.1 is entered in Column 5 opposite "B", Total Actual Cost, and divided by the total of Column 4, to calculate the ratio of actual to standard costs.

**6.6.4** The standard cost of the individual record units in Column 4 is multiplied by this ratio to determine the total actual cost for Column 5.

**6.6.5** The units and costs in Columns 2 and 5 are posted to the continuing property records.

**6.6.6** Column 5 is summarized by plant account and a journal entry is made charging the classified plant accounts and crediting Account 106.

**7. COMPLIANCE WITH 7 CFR Part 1721, POST-LOAN POLICIES AND PROCEDURES FOR INSURED ELECTRIC LOANS:** 7 CFR Part 1721, Post-Loan Policies and Procedures for Insured Electric Loans, allows borrowers to request loan fund advances in an amount representing actual costs incurred but not to exceed 130 percent of the estimated project costs reported on the approved RUS Form 740c, Costs Estimates and Loan Budget for Electric Borrowers.

**7.1** If several projects are constructed under one contract, compliance with the 130 percent requirement is determined by comparing the total actual costs incurred for all projects constructed under the contract with the total estimated costs of those projects as reported on the RUS Form 740c. The total estimated costs for all projects is used regardless of whether the different projects are included on a single work order or are assigned to separate work orders.

**7.2** Contract costs are allocated to each project on a reasonable basis.

**8. CASE STUDY - ACCOUNTING FOR CONTRACT CONSTRUCTION COSTS UNDER A FORM 830 CONTRACT:**

**8.1** The following case study illustrates the accounting for contract construction costs discussed in this bulletin. The case study includes:

**8.1.1** The journal entries required to record the transactions associated with contract construction;

**8.1.2** The general ledger account summaries of the principle accounts involved;

**8.1.3** Completed examples of the RUS Forms 254, 254a, 254b, and 254c; and

**8.1.4** All additional materials necessary to complete the case study.

**8.2** For purposes of this case study, assume the following:

**8.2.1** The contractor's invoice for all construction and retirement activities totalled \$448,184.96. A borrower typically receives several monthly invoices before the completion of the contract and the rendering of the final bill. However, to simplify the case study, we have included all of the monthly billings in one total;

**8.2.2** The borrower retained 10% of the cash payments to the contractor pending completion of the contract;

**8.2.3** The borrower's labor and overhead associated with the contract totalled \$36,720.88;

8.2.4 Material charged out to the contractor on Material Charge Tickets totalled \$135,244.84; and

8.2.5 Material returned by the contractor unused totalled \$10,278.75.

8.3 Journal entry discussed in Section 4.1:

Dr. 143, Other Accounts Receivable	\$135,244.84	
Cr. 154, Plant Materials and Operating Supplies		\$135,244.84

To record material taken from stock at average cost and furnished by the borrower to the contractor.

8.4 Journal entry discussed in Section 4.2:

Dr. 107.1, Construction Work in Progress - Contract	448,184.96	
Cr. 232.1, Accounts Payable - General		448,184.96
	or	
Cr. 232.2, Accounts Payable - RUS Construction		448,184.96

To record the contractor's monthly invoice.

8.5 Journal entry discussed in Section 4.3:

Dr. 232.1, Accounts Payable - General	419,997.33	
	or	
Dr. 232.2, Accounts Payable - RUS Construction	419,997.33	
Cr. 143, Other Accounts Receivable		166,308.58
Cr. 131.1, Cash - General		253,688.75

To record payment of the contractor's monthly invoice net of the retained amount and the charge to the contractor for material furnished by the borrower and installed by the contractor during the month. In the case study, the borrower furnished material is calculated as follows:

Materials furnished to the contractor	\$135,244.84
Material adjustment	(5,274.38)
Special equipment furnished to the contractor	12,179.26
Material unused and returned	(10,278.75)
Material removed from existing assembly units	101,040.35
Material removed and returned	(66,602.74)
Borrower furnished materials	<u>\$166,308.58</u>

The cash payment is calculated by deducting borrower furnished material and 10% of the remaining invoice amount. In the case study, the cash payment is calculated as follows:

Total contractor's invoice	\$448,184.96
Less: Borrower furnished material	<u>166,308.58</u>
Cash required to satisfy contractor's invoice	<u>\$281,876.38</u>
Total contractor's invoice	\$448,184.96
Less: Amount retained (10% of the cash required to satisfy the contractor's invoice in full)	<u>28,187.63</u>
Cash payment	<u>\$419,997.33</u>

Dr. 232.1, Accounts Payable - General	\$ 28,187.63	
or		
Dr. 232.2, Accounts Payable - RUS Construction	28,187.63	
Cr. 131.1, Cash - General		\$ 28,187.63

To record payment to the contractor of the amount retained. Final payment was made after completion of the contract and the approval of the Certificate of Completion - Contract Construction, RUS Form 187, by the borrower and the Administrator of RUS.

#### 8.6 Journal entries discussed in Section 4.4:

Dr. 107.1, Construction Work in Progress - Contract	5,274.38	
Cr. 143, Other Accounts Receivable		5,274.38

To adjust for the difference in the price of the material furnished to the contractor at average cost and the unit prices shown in the contract (the unit prices stated in the contract were lower than the average cost). The difference between the borrower's average cost and the contract price is calculated in Column 25 of the RUS Form 254c.

Note: If the unit prices stated in the contract had been higher than the average cost, Account 143 would have been debited and Account 107.1, credited.

**8.7 Journal entries discussed in Section 4.5:**

Dr. 143, Other Accounts Receivable	12,179.26	
Cr. 107.1, Construction Work in Progress - Contract		12,179.26

To record special equipment items furnished by the borrower to the contractor. The cost of borrower furnished material is calculated in Column 22 of the RUS Form 254c. In the case study, the costs of special equipment items are reported in the shaded areas of the RUS Form 254c.

Dr. 583, Overhead Line Expenses	22,673.68	
Cr. 107.1, Construction Work in Progress - Contract		22,673.68

To record the labor cost incurred in removing and installing special equipment items. The cost of removing special equipment items is calculated in Column 7 of the RUS Form 254a. The cost of installing special equipment items is calculated by multiplying the labor unit price (Column 3 of the RUS Form 254a) by the quantity of units installed (Column 1 of the RUS Form 254a) and adding the products. In the case study, the cost of installing and removing special equipment items is calculated as follows:

Total cost of installing special equipment items	\$ 14,852.49
Plus: Total cost of removing special equipment items	<u>7,821.19</u>
Total cost of installing and removing special equipment items	<u>\$ 22,673.68</u>

Note: Special equipment items installed and removed are reported in the shaded areas of the RUS Form 254a.

**8.8 Journal entry discussed in Sections 4.6 and 5.4.2:**

Dr. 108.8, Retirement Work in Progress	\$ 48,561.02	
Cr. 107.1, Construction Work in Progress - Contract		\$ 48,561.02

To reclassify labor costs incurred in removing plant from the system under the terms of the contract. The cost of removal is calculated by deducting the cost incurred in removing the special equipment items from the total cost of removal reported in Column 7 of the RUS Form 254a. In the case study, the cost of removal is calculated as follows:

Total Cost to remove "I" units (Column 7 of the RUS Form 254a)	\$ 56,382.21
Less: The cost to remove special equipment items	<u>7,821.19</u>
Cost of removal	<u>\$ 48,561.02</u>

Note: Special equipment items installed and removed are reported in the shaded areas of the RUS Form 254a.

8.9 Journal entry discussed in Section 4.7:

Dr. 107.1, Construction Work in Progress - Contract	36,720.88	
Cr. 131.1, Cash - General		36,720.88

To charge the borrower's labor and overhead. This consists of direct and indirect labor; administrative and general expenses; engineering; social security taxes; property loss, property damage, and workmen's compensation insurance; stores expense; transportation expense; employee pensions and benefits; and employee holidays and vacations.

8.10 Journal entry discussed in Section 4.8:

Dr. 154, Plant Materials and Operating Supplies	\$ 10,278.75	
Cr. 143, Other Accounts Receivable		\$ 10,278.75

To credit the contractor for material that was not used and was returned to stock.

8.11 Journal entries discussed in Section 4.9:

Dr. 143, Other Accounts Receivable	101,040.35	
Cr. 108.8, Retirement Work in Progress		101,040.35

To charge the contractor for the material removed from existing assembly units. The value of the material removed from existing assembly units is calculated in Column 9 of the RUS Form 254a.

Dr. 108.8, Retirement Work in Progress	66,602.74	
Cr. 143, Other Accounts Receivable		66,602.74

To credit the contractor for the material returned to the borrower. The value of the material returned to the borrower is calculated in Column 14 of the RUS Form 254b.

Dr. 154, Plant Materials and Operating Supplies	7,650.78	
Cr. 108.8, Retirement Work in Progress		7,650.78

To record the salvage value of material returned to inventory. The total salvage value of material returned to the borrower is calculated in Column 17 of the RUS Form 254a. The salvage value of the special equipment items returned must be deducted from the total to determine the value of the material returned to inventory. In the case study, the salvage value is calculated as follows:

Total salvage value (Column 17 of the RUS Form 254b)	\$ 16,364.34
Less: The salvage value of special equipment items	<u>8,713.56</u>
Salvage value	<u>\$ 7,650.78</u>

Note: Special equipment items salvaged are reported in the shaded areas of the RUS Form 254b.

**8.12 Journal entry discussed in Section 4.10:**

Dr. 108.8, Retirement Work in Progress	\$ 28,440.27
Cr. 107.1, Construction Work in Progress - Contract	\$ 28,440.27

To record the cost of special equipment items removed from service and reused by the contractor. Special equipment reused is calculated in the Schedule of Special Equipment Reused (Exhibit E). The unit prices used to calculate the value of special equipment reused are taken from Table D "Value of Material Items Creditable to Bidder" (Exhibit F).

Note: The case study is based upon the assumption that all special equipment units removed and not returned were reused by the contractor. If the borrower furnished additional units, those not required for construction were returned to the borrower unused.

**8.13 Journal entry discussed in Section 4.11:**

Dr. 106, Completed Construction not Classified - Electric	378,325.99
Cr. 107.1, Construction Work in Progress - Contract	378,325.99

To record completion of the construction and energization of the line.

**8.14 Journal entry discussed in Sections 4.12 and 5.4.1:**

Dr. 108.8, Retirement Work in Progress	68,948.63
Cr. 364, Poles, Towers and Fixtures	23,270.02
Cr. 365, Overhead Conductors and Devices	39,234.82
Cr. 368, Line Transformers	3,593.28
Cr. 369, Services	1,003.47
Cr. 371, Installations on Customers' Premises	1,847.04

To record the original cost of the property retired under the contract. The assembly units removed were converted into record units and summarized on the Retirement Work Order (Exhibit G). Each unit is priced at its continuing property record value to determine the original cost of the property retired.



## 8.15 Journal entry discussed in Section 5.4.4:

Dr. 108.6, Accumulated Provision for Depreciation of Distribution Plant	103,861.53	
Cr. 108.8, Retirement Work in Progress		103,861.53

To record the net loss on plant retired from service. The net loss on plant retired from service is calculated by adding the original cost of the property retired plus the cost of removal and deducting salvage. In the case study, the net loss on retirement is calculated as follows:

Original cost of property retired	\$ 68,948.63
Plus: Cost of removal (See Section 8.7)	<u>48,561.02</u>
	117,509.65
Less: Salvage	<u>13,648.12</u>
Net loss due to retirement	<u>\$103,861.53</u>

Salvage is calculated as follows:

Total value of material removed by contractor	\$101,040.35
Less: Material returned by contractor	<u>66,602.74</u>
Salvage value of material reused by contractor	34,437.61
Plus: Salvage value of material returned by contractor	<u>7,650.78</u>
Total salvage value of all material removed	42,088.39
Less: Salvage value of special equipment items reused by contractor	<u>28,440.27</u>
Salvage value of all material removed other than special equipment items	<u>\$ 13,648.12</u>

**8.16 Journal entry discussed in Section 6.6.6:**

Dr. 364, Poles, Towers and Fixtures	\$129,504.58	
Dr. 365, Overhead Conductors and Devices	237,609.12	
Dr. 367, Underground Conductor and Devices	2,281.54	
Dr. 368, Line Transformers	896.85	
Dr. 369, Services	7,111.89	
Dr. 371, Installations on Customers' Premises	922.01	
Cr. 106, Completed Construction not Classified		\$378,325.99

To reclassify electric plant in service to the primary plant accounts based upon the "Unitization and Distribution to Plant Accounts" (Exhibit H).

**8.17 General Ledger Summaries:****Account 106, Completed Construction Not Classified**

Date	Description	Entry			Balance	
		Reference	Debit	Credit	Debit	Credit
	Contract Closing – Construction	8.13	378,325.99		378,325.99	
	Transfer to Plant in Service	8.16		378,325.99	0.00	

**Account 107.1, Construction Work in Progress – Contract**

Date	Description	Reference	Entry		Balance	
			Debit	Credit	Debit	Credit
	Contractor's Invoice	8.4	448,184.96		448,184.96	
	Material Adjustment	8.6	5,274.38		453,459.34	
	Special Equipment – Contractor	8.7		12,179.26	441,280.08	
	Labor – Special Equipment	8.7		22,673.68	418,606.40	
	Labor – Plant Removal	8.8		48,561.02	370,045.38	
	Indirect Costs – Noncontract	8.9	36,720.88		406,766.26	
	Special Equipment – Reused	8.12		28,440.27	378,325.99	
	Contract Closing – Construction	8.13		378,325.99	0.00	

**Account 108.6, Accumulated Provision for Depreciation of Distribution Plant**

Date	Description	Reference	Entry		Balance	
			Debit	Credit	Debit	Credit
	Net Loss Due to Retirement	8.15	103,861.53		103,861.53	

## Account 108.8, Retirement Work in Progress

Date	Description	Reference	Entry		Balance	
			Debit	Credit	Debit	Credit
	Labor – Plant Removal	8.8	48,561.02		48,561.02	
	Material Removed – Contractor	8.11		101,040.35		52,479.33
	Material Removed & Returned	8.11	66,602.74		14,123.41	
	Material Salvaged	8.11		7,650.78	6,472.63	
	Special Equipment – Reused	8.12	28,440.27		34,912.90	
	Original Cost of Plant Retired	8.14	68,948.63		103,861.53	
	Net Loss Due to Retirement	8.15		103,861.53	0.00	

## Account 131, Cash

Date	Description	Reference	Entry		Balance	
			Debit	Credit	Debit	Credit
	Contractor Payment	8.5		253,688.75		253,688.75
	Contractor Payment – Retainage	8.5		28,187.63		281,876.38
	Indirect Costs – Noncontract	8.9		36,720.88		318,597.26

## Account 143, Other Accounts Receivable

Date	Description	Reference	Entry		Balance	
			Debit	Credit	Debit	Credit
	Material Furnished to Contractor	8.3	135,244.84		135,244.84	
	Material – Contractor's Invoice	8.5		166,308.58		31,063.74
	Material Adjustment	8.6		5,274.38		36,338.12
	Special Equipment – Contractor	8.7	12,179.26			24,158.86
	Material Unused & Returned	8.10		10,278.75		34,437.61
	Material Removed – Contractor	8.11	101,040.35		66,602.74	
	Material Removed & Returned	8.11		66,602.74	0.00	

## Account 154, Plant Materials and Operating Supplies

Date	Description	Reference	Entry		Balance	
			Debit	Credit	Debit	Credit
	Material Furnished to Contractor	8.3		135,244.84		135,244.84
	Material Unused & Returned	8.10	10,278.75			124,966.09
	Material Salvaged	8.11	7,650.78			117,315.31

Account 232, Accounts Payable

		Entry			Balance	
Date	Description	Reference	Debit	Credit	Debit	Credit
	Contractor's Invoice	8.4		448,184.96		448,184.96
	Contractor Payment	8.5	419,997.33			28,187.63
	Contractor Payment-Retainage	8.5	28,187.63			0.00

Account 583, Overhead Line Expenses

		Entry			Balance	
Date	Description	Reference	Debit	Credit	Debit	Credit
	Labor-Special Equipment	8.7	22,673.68		22,783.68	

8.18 The following exhibits provide the basis upon which the preceding journal entries were based:

- 8.18.1 Exhibit A RUS Form 254, Construction Inventory
- 8.18.2 Exhibit B RUS Form 254a, Construction Inventory
- 8.18.3 Exhibit C RUS Form 254b, Construction Inventory
- 8.18.4 Exhibit D RUS Form 254c, Construction Inventory
- 8.18.5 Exhibit E Schedule of Special Equipment Reused
- 8.18.6 Exhibit F Table D - Value of Material Items Creditable to Bidder
- 8.18.7 Exhibit G Retirement Work Order
- 8.18.8 Exhibit H Unitization and Distribution to Plant Accounts
- 8.18.9 Exhibit I RUS Form 219, Inventory of Work Orders

<b>U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)</b>	SHEET     1     OF     10     SHEETS	
	<b>DATE</b> April 11, 19X4	<b>PROJECT DESIGNATION</b> State 99 County
	<b>BORROWER</b> County Electric Cooperative	
	<b>ENGINEER</b> Big Engineering Company	
	<b>CONTRACTOR</b> Reo Construction Company	

INSTRUCTIONS -- See reverse side.

**AMOUNT PAYABLE TO CONTRACTOR**

A. TOTAL COST OF STANDARD, NEW AND CONVERSION ASSEMBLY UNITS INSTALLED <i>(Total Column 6, RUS Form 254a)</i> _____	\$391,802.75
B. COST TO REMOVE "I" UNITS <i>(Total Column 7, RUS Form 254a)</i> _____	56,382.21
C. AMOUNT TO BE CREDITED TO CONTRACTOR FOR MATERIALS REMOVED FROM EXISTING FACILITIES AND RETURNED <i>(Total Column 14, RUS Form 254b)</i> _____	66,602.74
SUBTOTAL _____	\$514,787.70

DEDUCT:

D. AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLY UNITS REMOVED <i>(Total Column 9, RUS Form 254a)</i> _____	\$101,040.35
E. NET AMOUNT OF OWNER--FURNISHED MATERIALS <i>(Total Column 24, RUS Form 254c)</i> _____	131,870.97     \$232,911.32
F. NET AMOUNT DUE CONTRACTOR <i>(In making final payment to Contractor, the net amount due the Contractor, as shown by this Certification, will be reduced by the sums, if any, due the Owner for liquidated damages, payment made to date, or other sums which the Owner has the right to retain under the terms of the Contract, and signature by all parties does not preclude the retention by the Owner of such amounts.)</i> _____	\$281,876.38

**CERTIFICATE OF ENGINEER**

I certify that to the best of my knowledge and belief the attached final inventory correctly shows the total number and character of assembly units installed and removed by the Contractor and that the net amount of \$281,876.38 due the Contractor, as shown above, is true and correct.

\_\_\_\_\_  
ENGINEER

By \_\_\_\_\_

DATE     ACCEPTANCE BY OWNER

\_\_\_\_\_  
OWNER

By \_\_\_\_\_

ACCEPTANCE BY CONTRACTOR     PRESIDENT

\_\_\_\_\_  
FIRM

By \_\_\_\_\_

DATE

# INSTRUCTIONS

The Engineer will prepare 5 copies of RUS Form 254 and 254a; also 5 copies of Forms 254b and 254c when applicable. Original and 1 copy to be forwarded to RUS, 1 copy to Contractor, 1 copy to Owner, and 1 copy to be retained by Engineer.

Calculation of amount payable to Contractor will employ data taken from columns 1 through 25, RUS Forms 254, 254a, 254b, 254c. The amounts to be inserted opposite Items A, B, C, D, and E on RUS Form 254 are indicated in the texts of those items.

Columns 1 through 17, Forms 254a and (Form 254b is required only when "I" removal units are included in the Contract.)

COLUMN	SOURCE OF INFORMATION
1 and 2 .....	From tabulation of staking sheets *.
3 and 4 .....	From Contract.
5 .....	Column 3 plus column 4.
6 .....	Column 1 multiplied by column 5.
7 .....	Column 1 multiplied by column 3 (for "I" units only).
8 .....	From Table C of Contract.
9 .....	Column 1 multiplied by column 8 for "I" removal units only. (Table C relates solely to "I" units.)
10, 11, and 12 .....	From Engineer's and Owner's records.
13 .....	From Table D in Contract.
14 .....	Column 12 multiplied by column 13.
15 .....	From Engineer's records. (Quantities shall be listed opposite the appropriate material items described in column 11.)
16 .....	From individual stock record card for for each material item listed.
17 .....	Column 15 multiplied by column 16.

Data shown on Form 254c to be presented under the following headings, as appropriate:

## PART I. MATERIAL ITEMS INCLUDED IN LISTS SET FORTH IN CONSTRUCTION CONTRACT.

## PART II. OTHER MATERIAL ITEMS FURNISHED BY OWNER.

Columns 18 through 25: (Form 254c is required only when there are owner-furnished materials.)

COLUMN	SOURCE OF INFORMATION
18 and 19 .....	From Contract and Material Receipts.
20 .....	From charge-out and credit tickets covering materials issued to and returned by the Contractor. **
21 .....	From average unit costs on charge-out and credit tickets relating to this construction, such costs in turn being taken from the average unit costs reflected by the stock record cards for the applicable period.
22 .....	Column 20 multiplied by column 21.
23 .....	For Part I, from the unit prices specified in the Contract in the "List of Owner's Materials on Hand" or the "List of Materials Ordered by Owner But Not Delivered." For Part II, from the actual unit costs to Owner - the same as used in column 21.
24 .....	Column 20 multiplied by column 23.
25 .....	Column 24 minus column 22. (If a minus quantity, enter in parentheses.)

The completed Construction Inventory, together with all other final papers as set forth in RUS Bulletins relating to the close-out of contracts, is to be submitted to RUS for approval of the amount due the Contractor.

Upon approval of the inventory by RUS, one copy each of approved Forms 254, 254a, 254b and 254c will be returned to the Owner by RUS.

Reference should be made to RUS Bulletin 1767B-2, Contract Accounting Procedure, for instruction in accounting for all contract costs, including the retirement of units removed by the Contractor and the unitization by record units of costs of construction assemblies installed by the Contractor.

\* Standard units will be listed first, followed by new units and conversion units, in that order, with all "I" removal units being listed last.

\*\* The quantities shown in column 20 should agree with Material Receipts (RUS Form 251) prepared in connection with the contract. The types of items of material and the quantity of any item of material listed under Part I of the tabulation should be limited to the type of items and should not exceed the quantity of any item of material specified in the construction contract in the "List of Owner's Materials on Hand" or the "List of Materials Ordered by Owner But Not Delivered." Any additional items of material or excess quantities over the items specified in such lists are to be shown under Part II of the tabulation.

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)					SHEET OF SHEETS		AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED	
					DATE	PROJECT DESIGNATION		
					APRIL 11, 19X4		State 99 County	
					INSTRUCTIONS - See reverse side of RUS Form 254.			
					County Electric Cooperative		Big Engineering Company	
					CONTRACTOR		REO Construction Company	
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED						
QUANTITY	STANDARD N - NEW H - CONVERSION I - REMOVAL	LABOR UNIT PRICE	EXCEPT 'T' UNITS			COST TO REMOVE 1 UNIT (Col.1 x Col.5)	UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.5)
			MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)			
1	2	3	4	5	6	7	8	9
3	N30-6	87.14	50.06	137.20	411.60			
6	N35-4	102.36	88.01	190.37	1,142.22			
20	N35-5	102.36	74.80	177.16	3,543.20			
4	N35-6	102.36	65.25	167.61	670.44			
3	N40-3	116.19	125.14	241.33	723.99			
111	N40-4	116.19	117.22	233.41	25,908.51			
11	N40-5	116.19	94.84	211.03	2,321.33			
2	N40-6	116.19	86.72	202.91	405.82			
8	N45-3	131.40	160.03	291.43	2,331.44			
42	N45-4	131.40	128.09	259.49	10,898.58			
23	N50-3	177.05	170.08	347.13	7,983.99			
21	N50-4	177.05	152.55	329.60	6,921.60			
4	N55-3	224.08	234.45	458.53	1,834.12			
1	NA3	33.20	41.31	74.51	74.51			
1	NB8	150.00	135.00	285.00	285.00			
254.634	ND#1/O ACSR.6/1	121.68	114.52	236.20	60,144.55			
76.608	ND#2 ACSR.6/1	114.40	84.87	199.27	15,265.68			
54.516	ND#336 ACSR.18/1	312.00	352.37	664.37	36,218.79			
8.139	ND#4 ACSR.7/1	106.08	64.71	170.79	1,390.06			
4.228	ND#6 HDCU	93.60	40.89	134.49	568.62			
273	NE1-2	30.43	22.58	53.01	14,471.73			
54	NE1-3	38.73	32.82	71.55	3,863.70			
14	NE2-2	52.56	25.15	77.71	1,087.94			
9	NE2-3	60.86	33.02	93.88	844.92			
17	NE3-10	13.83	5.25	19.08	324.36			
163	NF1-2	37.35	10.25	47.60	7,758.80			
37	NF1-3	37.35	13.48	50.83	1,880.71			
3	NG10-CONV	87.14	264.56	351.70	1,055.10			
32	NG10-CSP	87.14	264.56	351.70	11,254.40			
3	NG15-CONV	99.59	316.83	416.42	1,249.26			
22	NG15-CSP	99.59	322.38	421.97	9,283.34			
1	NG15-CSPR	100.00	0.00	100.00	100.00			
1	NG210-10.25	472.50	911.21	1,383.71	1,383.71			

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)						SHEET OF SHEETS		
						DATE	PROJECT DESIGNATION	
						April 11, 19X4	State 99 County	
						BORROWER		
						County Electric Cooperative		
ENGINEER		Big Engineering Company						
CONTRACTOR		REO Construction Company						
INSTRUCTIONS - See reverse side of RUS Form 254.								
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED					AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED	
QUANTITY	STANDARD N - NEW H - CONVERSION I - REMOVAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)	COST TO REMOVE 1 UNIT (Col.1 x Col.5)	AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED	
							UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.8)
1	2	3	4	5	6	7	8	9
1	NG210-15.50	605.16	961.21	1,566.37	1,566.37		#	
1	NG210-25.25	472.50	931.21	1,403.71	1,403.71			
1	NG25-CONV	117.57	498.95	616.52	616.52			
7	NG25-CSP	117.57	349.04	466.61	3,266.27			
2	NG25-CSFR	100.00	0.00	100.00	200.00			
1	NG310-15.15.15	611.93	1,310.36	1,922.29	1,922.29			
2	NG37-CSP	152.95	421.61	574.56	1,149.12			
1	NG37-CSFR	100.00	0.00	100.00	100.00			
7	NG5-CSP	87.14	177.29	264.43	1,851.01			
1	NG7-CSP	87.14	220.05	307.19	307.19			
1	NGV10-CONV	87.14	590.21	677.35	677.35			
18	NGV10-CSP	93.10	499.62	592.72	10,668.96			
8	NGV15-CSP	103.74	617.32	721.06	5,768.48			
2	NGV25-CSP	123.69	712.34	836.03	1,672.06			
2	NJ10	8.30	5.19	13.49	26.98			
11	NJ5	6.92	3.74	10.66	117.26			
27	NJ6	11.07	9.30	20.37	549.99			
1	NJ8	8.30	3.29	11.59	11.59			
0.680	NK#1/0 TPX	600.31	386.63	986.94	671.12			
4.804	NK#2 TPX	549.13	299.15	848.28	4,075.14			
0.150	NK#4 TPX	521.47	250.00	771.47	115.72			
0.214	NK#8 WPCU	124.49	31.16	155.65	33.31			
7	NK10	6.92	3.24	10.16	71.12			
4	NK10C	6.92	5.84	12.76	51.04			
163	NK11	8.30	6.43	14.73	2,400.99			
10	NK14	9.68	4.41	14.09	140.90			
131	NM2-11	20.75	15.86	36.61	4,795.91			
120	NM2-12	17.98	12.03	30.01	3,601.20			
7	NM2-2	17.98	13.64	31.62	221.34			
7	NM26-5	41.50	39.17	80.67	564.69			
46	NM2A	9.98	2.21	12.19	560.74			
9	NM2B	22.28	2.21	24.49	220.41			
2	NM3-10	112.04	272.55	384.59	769.18			



<b>U.S. DEPARTMENT OF AGRICULTURE</b> <b>RURAL UTILITIES SERVICE</b>  <b>CONSTRUCTION INVENTORY</b> <b>(FOR LABOR AND MATERIAL CONTRACT)</b>				SHEET OF SHEETS				
				DATE	PROJECT DESIGNATION			
				April 11, 19X4	State 99 County			
				BORROWER				
				County Electric Cooperative				
				ENGINEER				
				Big Engineering Company				
				CONTRACTOR				
				REO Construction Company				
INSTRUCTIONS - See reverse side of RUS Form 254.								
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED				AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED		
QUANTITY	STANDARD N - NEW H - CONVERSION I - REMOVAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)	COST TO REMOVE 1 UNIT (Col.1 x Col.3)	UNIT VALUE	TOTAL
							(Table C of Contract)	(Col.1 x Col.5)
1	2	3	4	5	6	7	8	9
1	NM3-12A	497.96	2,372.63	2,870.59	2,870.59			
1	NM3-25A	746.93	2,372.63	3,119.56	3,119.56			
1	NM3-4	37.91	77.98	115.89	115.89			
6	NM42-11	20.00	10.50	30.50	183.00			
2	NM5-1	6.92	7.04	13.96	27.92			
2	NM5-10	45.65	82.32	127.97	255.94			
4	NM5-14	16.60	13.75	30.35	121.40			
6	NM5-17	6.92	3.24	10.16	60.96			
7	NM5-23	15.00	23.00	38.00	266.00			
12	NM5-27	22.28	16.80	39.08	468.96			
11	NM5-6	29.05	31.92	60.97	670.67			
41	NM5-9	34.58	57.12	91.70	3,759.70			
1	NM8-10	60.00	0.00	60.00	60.00			
2	NM8-12	60.00	0.00	60.00	120.00			
1	NM8-9	39.90	228.17	268.07	268.07			
1	NM7-11	719.26	1,393.20	2,112.46	2,112.46			
8	NVA1	15.22	20.01	35.23	281.84			
3	MVA2	30.43	36.25	66.68	200.04			
1	MVA3	33.20	41.31	74.51	74.51			
1	NVA4	69.16	78.62	147.78	147.78			
5	NVA5	31.81	37.21	69.02	345.10			
2	NVA5-1	45.65	41.41	87.06	174.12			
77	NVA5-2	48.41	48.77	97.18	7,482.86			
2	NVA6	77.46	72.63	150.09	300.18			
3	NVB1	41.50	55.13	96.63	289.89			
1	NVB3	50.00	103.00	153.00	153.00			
3	NVB5-1	55.33	72.84	128.17	384.51			
1	NVB7	78.84	127.18	206.02	206.02			
2	NVB7-1	71.93	127.18	199.11	398.22			
86	NVC1	45.65	70.72	116.37	10,007.82			
3	NVC1-1	84.38	144.22	228.60	685.80			
26	NVC1-2	55.33	89.71	145.04	3,771.04			
19	NVC1-3	69.16	195.03	264.19	5,019.61			

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)				SHEET OF SHEETS				
				DATE	PROJECT DESIGNATION			
				April 11, 19X4	State 99 County			
				Borrower County Electric Cooperative				
ENGINEER Big Engineering Company				CONTRACTOR REO Construction Company				
INSTRUCTIONS - See reverse side of RUS Form 254.								
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED				AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED		
QUANTITY	STANDARD N - NEW B - CONVERSION I - REMOVAL	LABOR UNIT PRICE	MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)	COST TO REMOVE 1 UNIT (Col.1 x Col.5)	AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED	
							UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.8)
1	2	3	4	5	6	7	8	9
2	NVC1P2	63.84	186.19	250.03	500.06			
48	NVC2	91.29	148.19	239.48	11,495.04			
1	NVC2-1	91.29	210.69	301.98	301.98			
5	NVC2-2	95.44	210.69	306.13	1,530.65			
34	NVC3	63.63	120.95	184.58	6,275.72			
3	NVC3-1	69.69	267.57	337.26	1,011.78			
2	NVC3L	77.46	204.38	281.84	563.68			
2	NVC4	172.90	227.64	400.54	801.08			
12	NVC4-1	172.90	227.64	400.54	4,806.48			
3	NVC4-1L	172.90	360.80	533.70	1,601.10			
6	NVC5-1	81.33	107.96	189.29	1,135.74			
1	NVC5-1L	81.61	161.68	243.29	243.29			
1	NVC7	98.21	142.11	240.32	240.32			
3	NVC7-1	114.81	157.21	272.02	816.06			
1	NVC7-1S	114.81	157.21	272.02	272.02			
6	NVC8	210.25	264.81	475.06	2,850.36			
1	NVC9	91.29	175.89	267.18	267.18			
1	NVM2-9	9.68	2.25	11.93	11.93			
1	NVM3-12A (50E)	497.96	2,372.63	2,870.59	2,870.59			
1	NVM3-16	532.28	1,969.97	2,502.25	2,502.25			
1	NVM3-25	746.93	2,372.63	3,119.56	3,119.56			
2	NVM3-3	497.67	439.81	937.48	1,874.96			
1	NVM3-35SB	151.62	788.57	940.19	940.19			
3	NVM5-2	9.68	12.13	21.81	65.43			
43	NVM5-20	13.83	21.67	35.50	1,526.50			
26	NVM5-4	9.68	11.61	21.29	553.54			
21	NVM5-5	6.92	10.96	17.88	375.48			
21	NVM5-6	29.05	51.87	80.92	1,699.32			
25	NVM5-9	34.58	57.12	91.70	2,292.50			
30	N DEAD END CLAMP	20.00	10.50	30.50	915.00			
1	HVA5-2:A5	71.91	20.41	92.32	92.32			
5	HVA5-2:A5-2	71.91	20.41	92.32	461.60			
3	HVA5:A5	47.03	20.41	67.44	202.32			

<b>U.S. DEPARTMENT OF AGRICULTURE</b> <b>RURAL UTILITIES SERVICE</b>  <b>CONSTRUCTION INVENTORY</b> <b>(FOR LABOR AND MATERIAL CONTRACT)</b>					SHEET OF SHEETS			
					DATE	PROJECT DESIGNATION		
					April 11, 19X4	State 99 County		
					BORROWER			
					County Electric Cooperative			
INSTRUCTIONS – See reverse side of RUS Form 254.					ENGINEER			
					Big Engineering Company			
					CONTRACTOR			
					REO Construction Company			
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED					AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED	
QUANTITY	STANDARD N – NEW H – CONVERSION I – REMOVAL	LABOR UNIT PRICE	EXCEPT T UNITS			COST TO REMOVE 1 UNITS (Col.1 x Col.5)	UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.5)
			MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)			
1	2	3	4	5	6	7	8	9
1	HVA7:A7	86.29	20.41	106.70	106.70			
1	HVB5:B5	81.61	40.82	122.43	122.43			
1	HVB7:B7	118.26	127.18	245.44	245.44			
3	HVC1-2:C1	78.84	68.18	147.02	441.06			
2	HVC1-2:C1A	78.84	68.18	147.02	294.04			
1	HVC1-3:C2	107.89	153.20	261.09	261.09			
7	HVC1:A1	53.94	67.20	121.14	847.98			
1	HVC1:B1	65.01	44.98	109.99	109.99			
1	HVC1:C1-2	69.16	70.72	139.88	139.88			
4	HVC1:VA1	53.94	50.15	104.09	416.36			
1	HVC2:A1	99.59	148.19	247.78	247.78			
5	HVC2:A2	105.12	144.15	249.27	1,246.35			
1	HVC2:VA2	102.36	108.10	210.46	210.46			
1	HVC3:B3	88.52	80.98	169.50	169.50			
1	HVC4-1:C4-1L	246.21	122.47	368.68	368.68			
1	HVC5-1:A5-1	105.12	91.20	196.32	196.32			
1	HVC5-1:A5-2	105.12	81.65	186.77	186.77			
1	HVC5-1:C5-1	112.04	61.24	173.28	173.28			
2	HVC5-1:C5-1L	112.04	61.24	173.28	346.56			
1	HVC5-1:VA5-2	105.12	63.43	168.55	168.55			
1	HVC5-2:A5-2	105.54	107.96	213.50	213.50			
1	HVC7-1:B7-1	135.66	72.10	207.76	207.76			
1	HVC7-1:C7-1	168.65	61.24	229.89	229.89			
1	HVC7-1:VA5	130.55	120.10	250.65	250.65			
1	HVC7:C7	143.85	61.24	205.09	205.09			
1	HVC8:A6	244.77	233.82	478.59	478.59			
1.00	C.O. #1	881.95	646.63	1,528.58	1,528.58			
1	125' POLE	44.26				44.26	55.00	55.00
2	130' POLE	44.26				88.52	58.68	117.36
116	135' POLE	51.18				5,936.88	78.46	9,101.36
60	140' POLE	58.09				3,485.40	111.65	6,699.00
8	145' POLE	58.09				464.72	139.26	1,114.08
11	150' POLE	88.52				88.52	150.00	150.00

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)			SHEET OF SHEETS					
			DATE	PROJECT DESIGNATION				
			April 11, 19X4	State 99 County				
			BORROWER					
			County Electric Cooperative					
INSTRUCTIONS - See reverse side of RUS Form 254.			ENGINEER					
			Big Engineering Company					
			CONTRACTOR					
			REO Construction Company					
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED				AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED		
QUANTITY	STANDARD N - NEW H - CONVERSION I - REMOVAL	LABOR UNIT PRICE	EXCEPT T UNITS			COST TO REMOVE 1 UNITS (Col.1 x Col.5)	UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.8)
			MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)			
1	2	3	4	5	6	7	8	9
53	IA1	8.30				439.90	9.32	493.96
31	IA2	13.83				428.73	15.93	493.83
7	IA3	16.60				116.20	22.65	158.55
7	IA4	30.43				213.01	40.56	283.92
13	IA5	15.22				197.86	21.54	280.02
27	IA5 - 1	23.51				634.77	26.82	724.14
14	IA5 - 2	23.51				329.14	28.62	400.68
3	IA6	34.58				103.74	28.62	85.86
18	IB1	19.36				348.48	34.10	613.80
5	IB1S	19.36				96.80	34.10	170.50
2	IB2	34.58				69.16	61.96	123.92
5	IB2C	37.24				186.20	84.96	424.80
1	IB2S	34.58				34.58	66.83	66.83
1	IB3	25.00				25.00	39.76	39.76
1	IB4	52.56				52.56	83.14	83.14
1	IB4 - 1	52.56				52.56	90.96	90.96
1	IB5	24.90				24.90	38.40	38.40
5	IB5 - 1	24.90				124.50	43.69	218.45
1	IB7 - 1	44.26				44.26	80.85	80.85
1	IB8	69.16				69.16	124.89	124.89
15	IC1	23.51				352.65	37.40	561.00
12	IC1A	23.51				282.12	40.98	491.76
1	IC1P	29.26				29.26	38.50	38.50
1	IC2	38.73				38.73	89.14	89.14
6	IC2A	25.27				151.62	90.68	544.08
4	IC8	102.36				409.44	171.08	684.32
2	IC9	44.26				88.52	102.71	205.42
41.918	ID #1/0 ACSR	82.99				3,478.77	107.45	4,504.09
12.001	ID #2 ACSR	82.99				995.96	92.83	1,114.05
13.798	ID #2/0 ACSR	110.66				1,526.89	135.94	1,875.70
35.011	ID #4 ACSR	82.99				2,905.56	59.63	2,087.71
0.265	ID #3 HDCU	82.99				21.99	55.62	14.74
145.438	ID #6 HDCU	82.99				12,069.90	38.94	5,663.36

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)			SHEET OF SHEETS					
			DATE	PROJECT DESIGNATION				
			April 11, 19X4	State 99 County				
			BORROWER					
			County Electric Cooperative					
ENGINEER		Big Engineering Company						
CONTRACTOR		REO Construction Company						
INSTRUCTIONS - See reverse side of RUS Form 254.								
ASSEMBLY UNITS		DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED			AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED			
QUANTITY	STANDARD N - NEW H - CONVERSION I - REMOVAL	LABOR UNIT PRICE	EXCEPT 'T' UNITS			COST TO REMOVE 1 UNIT (Col.1 x Col.5)	UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.8)
			MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)			
1	2	3	4	5	6	7	8	9
0.230	ID #6 CWLD	82.99				19.09	45.72	10.52
10	IE1-1	16.60				166.00	17.46	174.60
188	IE1-2	16.60				3,120.80	17.46	3,282.48
1	IE2-1	23.51				23.51	15.85	15.85
9	IE2-2	23.51				211.59	20.27	182.43
5	IE3-10	30.43				152.15	4.24	21.20
7	IE3-2	30.43				213.01	18.39	128.73
85	IF-ROD ONLY	6.65				565.25	6.70	569.50
2	IG15-CSP	49.80				99.60	88.12	176.24
1	IG10-CONV	49.80				49.80	280.03	280.03
39	IG10-CSP	49.80				1,942.20	227.33	8,865.87
1	IG15-CONV	49.80				49.80	303.29	303.29
16	IG15-CSP	66.50				1,064.00	282.40	4,518.40
1	IG210-10,25	165.98				165.98	688.08	688.08
1	IG210-15,50	227.40				227.40	1,239.44	1,239.44
1	IG210-25,25	188.98				188.98	1,044.71	1,044.71
4	IG25-CSP	82.46				329.84	307.95	1,231.80
1	IG310-15,15,15	305.97				305.97	969.01	969.01
2	IG37-CSP	93.10				186.20	376.90	753.80
10	IG5-CSP	49.80				498.00	144.22	1,442.20
2	IG7-CSP	93.10				186.20	184.94	369.88
1	IGV50-CONV	49.80				49.80	563.65	563.65
21	IGV10-CSP	49.80				1,045.80	451.45	9,480.45
5	IGV15-CSP	66.50				332.50	563.49	2,817.45
1	IGV25-CSP	82.47				82.47	653.99	653.99
15	IJ10	6.92				103.80	3.65	54.75
13	IJ5	4.15				53.95	0.81	10.53
80	IJ6	6.92				553.60	6.20	496.00
3	IJ8	4.15				12.45	2.36	7.08
4	IJ9	6.92				27.68	8.50	34.00
0.170	IK #1/0 TPX	300.16				51.03	367.81	62.53
2.138	IK #2 TPX	276.64				591.46	246.73	527.53
3.036	IK #6 WPCU	82.99				251.96	59.36	180.22

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)			SHEET OF SHEETS					
			DATE	PROJECT DESIGNATION				
			April 11, 19X4	State 99 County				
			BORROWER					
			County Electric Cooperative					
			ENGINEER					
			Big Engineering Company					
			CONTRACTOR					
			REO Construction Company					
INSTRUCTIONS - See reverse side of RUS Form 254.								
ASSEMBLY UNITS		DUB CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED					AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED	
QUANTITY	STANDARD N - NEW H - CONVERSION I - REMOVAL	LABOR UNIT PRICE	EXCEPT "I" UNITS			COST TO REMOVE "I" UNITS (Col.1 x Col.5)	UNIT VALUE (Table C of Contract)	TOTAL (Col.1 x Col.8)
			MATERIAL UNIT PRICE	TOTAL UNIT PRICE (Col.3 + Col.4)	COST OF CONSTRUCTION (Col.1 x Col.5)			
1	2	3	4	5	6	7	8	9
1.256	IK#8 WPCU	82.99				104.24	39.75	49.93
40	IK10	2.77				110.60	1.50	60.00
1	IK10C	2.77				2.77	2.00	2.00
134	IK11	5.53				741.02	5.93	794.62
3	IK14	5.53				16.59	2.83	8.49
4	IK17	4.15				16.60	5.79	23.16
7	IM26-5	27.66				193.62	45.00	315.00
1	IM3-10 (50c)	52.56				52.56	1,279.92	1,279.92
4	IM3-10	52.56				210.24	225.94	903.76
1	IM3-24	373.47				373.47	451.88	451.88
1	IM3-4	17.29				17.29	36.37	36.37
2	IM5-1	5.53				11.06	6.49	12.98
1	IM5-10	16.60				16.60	101.98	101.98
6	IM5-14	6.92				41.52	14.17	85.02
2	IM5-17	2.77				5.54	4.56	9.12
9	IM5-2	4.15				37.35	7.00	63.00
4	IM5-20	6.92				27.68	12.66	50.64
1	IM5-27	6.92				6.92	13.50	13.50
6	IM5-4	4.15				24.90	5.81	34.86
5	IM5-5	4.15				20.75	3.50	17.50
5	IM5-6	16.60				83.00	27.29	136.45
18	IM5-9	11.07				199.26	42.00	756.00
1	IM7-13	380.38				380.38	8,250.00	8,250.00
1	IM8-10	30.00				30.00	0.00	0.00
2	IM8-12	30.00				60.00	0.00	0.00
1	IM8-9	19.95				19.95	65.44	65.44
1	IM9-13 100KVAR	359.63				359.63	1,230.64	1,230.64
29	IVA1	8.30				240.70	12.53	363.37
15	IVA2	13.83				207.45	22.85	342.75
2	IVA3	16.60				33.20	30.71	61.42
3	IVA4	30.43				91.29	61.19	183.57
9	IVA5	15.22				136.98	29.70	267.30
16	IVA5-1	23.51				376.16	31.29	500.64

<b>U.S. DEPARTMENT OF AGRICULTURE</b> <b>RURAL UTILITIES SERVICE</b>  <b>CONSTRUCTION INVENTORY</b> <b>(FOR LABOR AND MATERIAL CONTRACT)</b>			<b>SHEET</b>		<b>OF</b>		<b>SHEETS</b>	
			<b>DATE</b>		<b>PROJECT DESIGNATION</b>			
			April 11, 19X4		State 99 County			
			<b>BORROWER</b>					
			County Electric Cooperative					
<b>ENGINEER</b>								
Big Engineering Company								
<b>CONTRACTOR</b>								
REO Construction Company								
<b>INSTRUCTIONS – See reverse side of RUS Form 254.</b>								
<b>ASSEMBLY UNITS</b>		<b>DUE CONTRACTOR FOR UNITS INSTALLED, CONVERTED AND REMOVED</b>					<b>AMOUNT CHARGEABLE TO CONTRACTOR FOR MATERIALS IN ASSEMBLIES REMOVED</b>	
<b>QUANTITY</b>	<b>STANDARD</b> <b>N – NEW</b> <b>H – CONVERSION</b> <b>I – REMOVAL</b>	<b>LABOR</b>	<b>MATERIAL</b>	<b>EXCEPT UNIT</b>		<b>COST TO REMOVE 1 UNIT</b>	<b>UNIT VALUE</b>	<b>TOTAL</b>
				<b>UNIT PRICE</b>	<b>UNIT PRICE</b>			
				<b>TOTAL UNIT PRICE</b>	<b>COST OF CONSTRUCTION</b>	<b>COST TO REMOVE 1 UNIT</b>	<b>(Table C of Contract)</b>	<b>(Col. 1 x Col. 8)</b>
1	2	3	4	5	6	7	8	9
2	IVA5-2	23.51				47.02	36.78	73.56
4	IVA6	34.58				138.32	60.25	241.00
3	IVC1	23.51				70.53	45.42	136.26
1	IVC2	45.65				45.65	28.68	28.68
1	IVC3	35.96				35.96	84.47	84.47
3	IVC4-1	73.31				219.93	186.01	558.03
2	IVC5	30.43				60.86	79.74	159.48
1	IVC7	45.65				45.65	122.47	122.47
2	IVC7-1	53.94				107.88	136.22	272.44
2	IVC8	102.36				204.72	215.04	430.08
1	IVC8-3	110.66				110.66	260.93	260.93
7	IVM5-2	4.15				29.05	7.20	50.40
32	IVM5-20	6.92				221.44	12.66	405.12
5	IVM5-4	4.15				20.75	7.55	37.75
7	IVM5-5	4.15				29.05	6.46	45.22
2	IVM5-9	11.07				22.14	42.00	84.00
30	I DEAD END CLAMP	30.00				900.00	10.50	315.00
2	I MIN MAX METER	50.00				100.00	0.00	0.00
25	ISOP	30.00				750.00	0.00	0.00
<b>TOTAL</b>					<b>391,802.75</b>	<b>56,382.21</b>		<b>101,040.35</b>

LABOR CHARGES FOR THE INSTALLATION AND REMOVAL OF SPECIAL EQUIPMENT ITEMS:	
NEW CONSTRUCTION & CONVERSIONS	15,571.75
REMOVALS	7,821.19
<b>TOTALS</b>	<b>23,392.94</b>

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)				SHEET OF SHEETS		
				DATE	PROJECT DESIGNATION	
				April 11, 19X4	State 99 County	
				BORROWER		
				County Electric Cooperative		
ENGINEER				Big Engineering Company		
CONTRACTOR				REO Construction Company		
INSTRUCTIONS - See reverse side of RUS Form 254.						
SUMMARY AND CLASSIFICATION OF MATERIALS RETURNED TO OWNER BY CONTRACTOR FROM "T" REMOVAL UNITS						
AMOUNTS TO BE CREDITED TO CONTRACTOR FOR MATERIALS RETURNED				RETURNED MATERIALS DECLARED		
ITEM DESIG- NATION	DESCRIPTION OF MATERIAL	QUANTITY	ITEM VALUE TABLE D IN CONTRACT	TOTAL CREDIT TO CONTRACTOR (Col.12 + Col.13)	REUSABLE BY ENGINEER	
					QUANTITY OF ITEMS	SALVAGE VALUE (Col.15 + Col.16)
10	11	12	13	14	15	16
	400 AMP SWITCHES	3	250.34	751.02	3	250.34
a	PIN TYPE INSULATOR -14.4 KV	46	4.78	219.88	0	
a	POLE TOP INSULATORS	423	1.82	769.86	0	
aa	EYE NUTS	166	1.38	229.08	127	1.47
ab	THIMBLE EYE NUTS	5	1.65	8.25	0	
ac	LIGHTNING ARRESTORS	6	23.71	142.26	0	
af	SINGLE SHOT PUSH CUTOFFS	7	28.99	202.93	0	
ad	TRANSFORMER -1.5 KVA	2	81.74	163.48	2	81.74
ad	TRANSFORMER -5 KVA	3	137.84	413.52	3	137.84
ad	TRANSFORMER -10 KVA	7	220.95	1,546.65	7	220.95
ad	TRANSFORMER -15 KVA	6	276.02	1,656.12	6	276.02
ad	TRANSFORMER -7.5 KVA	1	178.56	178.56	1	178.56
ao	THIMBLE EYE BOLTS	10	1.20	12.00	0	
ap	HOT LINE CLAMP	134	4.70	629.80	76	5.71
ar	K-10C	1	1.50	1.50	0	
ar	K-17	59	1.50	88.50	0	
ar	WIREHOLDER INSULATOR (K10)	45	1.50	67.50	0	
av	#10 ACSR WIRE	6087	0.74	4,504.38	0	
av	#2 ACSR WIRE	1281	0.87	1,114.47	0	
av	#2 TFX WIRE	184	1.10	202.40	0	
av	#20 ACSR WIRE	2535	0.74	1,875.90	0	
av	#4 ACSR WIRE	2346	0.89	2,087.94	0	
av	#4 TFX WIRE	17	1.02	17.34	0	
av	#6 HDGC WIRE	11557	0.49	5,662.93	0	
av	#6 TBWF WIRE (NBO)	172	0.53	91.16	0	
av	SCRAP ALUMINUM	750	0.50	375.00	0	
av	SCRAP COPPER	370	0.50	185.00	0	
av	VARIOUS SCRAP WIRE	436	0.50	218.00	0	
ax	COMBINATION UNITS	6	98.48	590.88	6	98.48
b	POLE TOP PIN	186	3.50	651.00	0	
bo	ANCHOR SHACKLES	71	2.11	149.81	5	2.32
bs	DOUBLE UPSET BOLT	5	2.50	12.50	0	
bs	SINGLE UPSET BOLTS	109	2.08	226.72	44	2.50
c	MACHINE BOLT - 6"	3	0.66	1.98	0	



U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  <b>CONSTRUCTION INVENTORY</b> (FOR LABOR AND MATERIAL CONTRACT)				SHEET OF SHEETS			
				DATE		PROJECT DESIGNATION	
				April 11, 19X4		State 99 County	
				BORROWER			
				County Electric Cooperative			
ENGINEER				Big Engineering Company			
CONTRACTOR				REO Construction Company			
INSTRUCTIONS - See reverse side of RUS Form 254.							
SUMMARY AND CLASSIFICATION OF MATERIALS RETURNED TO OWNER BY CONTRACTOR FROM "T" REMOVAL UNITS							
AMOUNTS TO BE CREDITED TO CONTRACTOR FOR MATERIALS RETURNED					RETURNED MATERIALS DECLARED		
ITEM DESIG- NATION	DESCRIPTION OF MATERIAL	QUANTITY	ITEM VALUE TABLE D IN CONTRACT	TOTAL CREDIT TO CONTRACTOR (Col.12 + Col.13)	REUSABLE BY ENGINEER		
					QUANTITY OF ITEMS	STOCK CARD ITEM PRICE	SALVAGE VALUE (Col.15+Col.16)
10	11	12	13	14	15	16	17
c	MACHINE BOLTS - 1 1/2"	12	0.66	7.92	12	0.46	5.52
c	MACHINE BOLTS - 10"	282	0.66	186.12	282	0.75	211.50
c	MACHINE BOLTS - 12"	139	0.66	91.74	139	0.81	112.59
c	MACHINE BOLTS - 14"	22	0.66	14.52	22	0.92	20.24
c	MACHINE BOLTS - 16"	2	0.66	1.32	0		0.00
c	MACHINE BOLTS - 18"	6	0.66	3.96	0		0.00
c	MACHINE BOLTS - 8"	247	0.66	163.02	0		0.00
c	MACHINE BOLTS - 9"	238	0.66	157.08	238	0.75	178.50
cm	SEC. SPOOL INSULATOR	293	0.56	164.08	291	0.77	224.07
cm	SERV. SPOOL INSULATOR	114	0.86	98.04	89	0.77	68.53
cu	CROSS ARM BRACE	199	3.85	766.15	0		0.00
cu	CROSS ARM BRACE (FUB)	4	9.35	37.40	0		0.00
cu	WOOD BRACE	3	3.85	11.55	0		0.00
d	SQUARE WASHERS	894	0.18	160.92	894	0.17	151.98
dd	ADAPTER PIN	7	1.10	7.70	0		0.00
dm	CLUSTER MOUNT	1	58.71	58.71	0		0.00
du	ALUMINUM EXTENSION LINK	172	0.00	0.00	0		0.00
f	CROSS ARM PIN	230	1.68	386.40	0		0.00
fo	T-BRACKET	3	10.00	30.00	0		0.00
g	CROSS ARMS - 8"	109	13.75	1,498.75	0		0.00
h	BOW BRACES	32	9.35	299.20	0		0.00
i	CROSS ARM CARRIAGE BOLTS	108	0.25	27.00	0		0.00
j	LAG SCREW	30	0.46	13.80	6	0.46	2.76
k	BELL INSULATORS - 10"	97	9.72	942.84	45	9.79	440.55
k	SUSPENSION BELL INSULATOR	400	5.52	2,208.00	301	5.63	1,694.63
l	#6 DEAD END CLAMP	3	6.52	19.56	0		0.00
l	PRIMARY D/E CLAMP (ALUM)	78	6.52	508.56	78	4.73	368.94
l	SEC. D/E CLAMP (ALUM)	64	6.52	417.28	5	4.73	23.65
m	SUSPENSION CLAMP (ANGLE)	13	4.19	54.47	0		0.00
n	DOUBLE ARMING BOLTS - 14"	1	1.31	1.31	0		0.00
n	DOUBLE ARMING BOLTS - 16"	38	1.31	49.78	0		0.00
n	DOUBLE ARMING BOLTS - 18"	69	1.31	90.39	69	1.92	132.48
n	DOUBLE ARMING BOLTS - 20"	35	1.31	45.85	9	1.88	16.92
n	DOUBLE ARMING BOLTS - 22"	22	1.31	28.82	13	2.22	28.86

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  <b>CONSTRUCTION INVENTORY</b> (FOR LABOR AND MATERIAL CONTRACT)				SHEET OF SHEETS		
				DATE	PROJECT DESIGNATION	
				April 11, 19X4	State 99 County	
				BORROWER		
				County Electric Cooperative		
				ENGINEER		
				Big Engineering Company		
				CONTRACTOR		
				REO Construction Company		
INSTRUCTIONS - See reverse side of RUS Form 254.						
SUMMARY AND CLASSIFICATION OF MATERIALS RETURNED TO OWNER BY CONTRACTOR FROM "T" REMOVAL UNITS						
AMOUNTS TO BE CREDITED TO CONTRACTOR FOR MATERIALS RETURNED					RETURNED MATERIALS DECLARED	
ITEM DESIG- NATION	DESCRIPTION OF MATERIAL	QUANTITY	ITEM VALUE TABLE D IN CONTRACT	TOTAL CREDIT TO CONTRACTOR (Col.12 x Col.13)	REUSABLE BY ENGINEER	
					QUANTITY OF ITEMS	STOCK CARD ITEM PRICE SALVAGE VALUE (Col.15xCol.16)
10	11	12	13	14	15	16
n	DOUBLE ARMING BOLTS - 24"	8	1.31	10.48	6	2.64
n	DOUBLE ARMING BOLTS - 26"	1	1.31	1.31	0	0.00
o	EYE BOLTS - 10"	74	1.80	133.20	85	2.52
o	EYE BOLTS - 12"	16	1.80	28.80	0	0.00
o	EYE BOLTS - 14"	9	1.80	16.20	0	0.00
o	EYE BOLTS - 6"	19	1.80	34.20	0	0.00
o	EYE BOLTS - 8"	197	1.80	354.60	146	2.23
p	VTAA CONN	3	1.79	5.37	0	0.00
s	SEC. RIGID CLEVIS (J-10)	63	0.53	33.39	33	3.45
s	SEC. SWINGING CLEVIS (J-6)	181	0.53	95.93	92	1.68
s	SERV. RIGID CLEVIS (K-14)	4	0.53	2.12	0	0.00
s	SERV. SWINGING CLEVIS (K-11)	118	0.53	62.54	81	1.64
sk	REGULATORS	3	2,750.00	8,250.00	1	2,750.00
u	3-BOLT GUY CLAMP	296	2.61	772.56	296	2.62
u	GUY CLAMP	1	2.61	2.61	0	0.00
v	GUY ATTACHMENTS	215	1.39	298.85	93	1.64
x	ANCHOR RODS	85	6.70	569.50	0	0.00
y	GUY STRAND WIRE - 3/8"	9195	0.18	1,655.10	0	0.00
zz	POLES - 25'	1	55.00	55.00	0	0.00
zz	POLES - 30'	2	58.68	117.36	0	0.00
zz	POLES - 35'	130	78.46	10,199.80	0	0.00
zz	POLES - 40'	63	111.65	7,033.95	0	0.00
zz	POLES - 45'	8	139.26	1,114.08	0	0.00
zz	POLES - 50'	1	150.00	150.00	0	0.00
bc	OCR (50A)	1	1,244.23	1,244.23	1	1,244.23
bc	OCR (OTHER)	4	190.25	761.00	4	190.25
TOTAL				66,602.74		16,364.34

SALVAGE VALUE OF SPECIAL EQUIPMENT ITEMS RETURNED	8,713.56
NET VALUE OF SALVAGE RETURNED TO STOCK	7,650.78

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  CONSTRUCTION INVENTORY (FOR LABOR AND MATERIAL CONTRACT)			SHEET OF SHEETS				
			DATE	PROJECT DESIGNATION			
			April 11, 19X4	State 99 County			
			BORROWER				
			County Electric Cooperative				
INSTRUCTIONS - See reverse side of RUS Form 254.			ENGINEER				
			Big Engineering Company				
			CONTRACTOR				
			REO Construction Company				
TABULATION OF NET AMOUNT OF MATERIALS FURNISHED BY OWNER							
ITEM DESIG- NATION	DESCRIPTION OF MATERIAL	QUANTITY	ACTUAL COST TO OWNER		AMOUNT CHARGEABLE TO CONTRACTOR AT CONT. PRICE		EXCESS OF COL. 24 OVER COL. 22
			UNIT COST	EXTENDED COST (Col. 20 x Col. 21)	UNIT PRICE	EXTENDED COST (Col. 20 x Col. 23)	
18	19	20	21	22	23	24	25
a	PIN TYPE INSULATORS -144	40	5.05	202.00	4.78	191.20	(10.80)
a	PIN TYPE INSULATORS -144	896	4.43	3,969.28	4.78	4,282.88	313.60
a	POLE TOP INSULATOR -144	48	5.35	256.80	9.72	466.56	209.76
ac	18 KV ARRESTER	37	38.11	1,410.07	23.71	877.27	(532.80)
ac	18 KV ARRESTER	3	38.32	114.96	23.71	71.13	(43.83)
ac	9 KV ARRESTER	13	24.22	314.86	23.71	308.23	(6.63)
af	100 AMP CUTOUT	60	36.05	2,163.00	28.99	1,739.40	(423.60)
af	600 AMP DISCONNECT SWITCH	3	209.55	628.65	122.30	366.90	(261.75)
af	600 AMP DISCONNECT SWITCH	3	108.60	325.80	122.30	366.90	41.10
ap	HOT LINE CLAMP	15	8.17	122.55	8.17	122.55	0.00
av	#00 ACSR WIRE	3,576	0.92	3,289.92	0.74	2,646.24	(643.68)
av	#00 ACSR WIRE	35,810	0.86	30,796.60	0.74	26,499.40	(4,297.20)
av	#10 TFX WIRE	428	1.14	487.92	1.02	436.56	(51.36)
av	#2 ACSR WIRE	1,180	0.97	1,149.07	0.87	1,027.00	(120.07)
av	#2 ACSR WIRE	5,685	0.90	5,116.50	0.87	4,945.95	(170.55)
av	#2 ACSR WIRE	1,195	0.93	1,111.35	0.87	1,039.65	(71.70)
av	#2 TFX WIRE	841	1.23	1,034.43	1.10	925.10	(109.33)
av	#2 TFX WIRE	290	1.56	452.40	1.10	319.00	(133.40)
av	#20 TFX WIRE	92	1.20	110.40	1.10	101.20	(9.20)
av	#336 ACSR WIRE	539	0.79	425.81	0.91	490.49	64.68
av	#336 ACSR WIRE	20,227	0.94	19,013.38	0.91	18,406.57	(606.81)
av	#4 ACSR WIRE	100	1.10	110.00	0.89	89.00	(21.00)
av	#4 TFX WIRE	105	1.19	124.95	1.02	107.10	(17.85)
bv	#4 ARMOR RODS	42	0.36	15.12	0.36	15.12	0.00
bx	#20 AUTO SLEEVE	6	10.69	64.14	10.69	64.14	0.00
bx	#20 AUTO SLEEVE	4	11.18	44.72	11.18	44.72	0.00
c	1/2 X 2" BOLTS	28	0.63	17.64	0.63	17.64	0.00
cg	3 PHASE 25 KV H SWITCH	1	1,876.16	1,876.16	1,876.16	1,876.16	0.00
cr	ANGLE BRACKET	2	7.45	14.90	7.45	14.90	0.00
cr	ANGLE BRACKET	3	5.71	17.13	5.71	17.13	0.00
cu	28" X -ARM BRACES -WOOD -PR	220	3.22	708.40	3.85	847.00	138.60
cu	28" X -ARM BRACES -WOOD -PR	5	3.17	15.85	3.85	19.25	3.40
cu	28" X -ARM BRACES -WOOD -PR	50	3.97	198.50	3.85	192.50	(6.00)
cu	28" X -ARM BRACES -WOOD -PR	5	3.86	19.30	3.85	19.25	(0.05)

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  <b>CONSTRUCTION INVENTORY</b> (FOR LABOR AND MATERIAL CONTRACT)			SHEET OF SHEETS				
			DATE	PROJECT DESIGNATION			
			April 11, 19X4	State 99 County			
			BORROWER				
			County Electric Cooperative				
INSTRUCTIONS - See reverse side of RUS Form 254.			ENGINEER				
			Big Engineering Company				
TABULATION OF NET AMOUNT OF MATERIALS FURNISHED BY OWNER			CONTRACTOR				
			REO Construction Company				
ITEM DESIG- NATION	DESCRIPTION OF MATERIAL	QUANTITY	ACTUAL COST TO OWNER		AMOUNT CHARGEABLE TO CONTRACTOR AT CONT. PRICE		EXCESS OF COL. 24 OVER COL. 22
18	19	20	UNIT COST	EXTENDED COST (Col.20 x Col.21)	UNIT PRICE	EXTENDED COST (Col.20 x Col.23)	25
cu	60" X-ARM BRACES-WOOD-PR	20	9.63	192.60	9.35	187.00	(5.60)
cu	60" X-ARM BRACES-WOOD-PR	69	8.06	556.14	9.35	645.15	89.01
cu	60" X-ARM BRACES-WOOD-PR	5	11.02	55.10	9.35	46.75	(8.35)
cu	60" X-ARM BRACES-WOOD-PR	20	10.09	201.80	9.35	187.00	(14.80)
cv	#336 NP SLEEVE	1	14.99	14.99	14.99	14.99	0.00
cv	#4 NEUTRAL SLEEVE	7	1.50	10.50	1.50	10.50	0.00
dd	ADAPTER THIMBLE	15	2.05	30.75	2.05	30.75	0.00
dm	CLUSTER MOUNT	1	61.19	61.19	61.19	61.19	0.00
dm	CLUSTER MT. FOR RECLOSER	1	44.61	44.61	44.61	44.61	0.00
ea	25 KV INSULATOR	5	22.40	112.00	22.40	112.00	0.00
ea	INSULATOR - 25 KV	3	22.41	67.23	8.25	24.75	(42.48)
eb	P.T. INS. BRKT. W/STOB BOLT	3	13.37	40.11	13.37	40.11	0.00
eb	POLE TOP BRACKET	3	10.64	31.92	10.64	31.92	0.00
eb	P.T. INS. BRKT.	2	10.64	21.28	10.64	21.28	0.00
eu	54" STRAIN INSULATOR	7	15.45	108.15	15.45	108.15	0.00
eu	54" STRAIN INSULATOR	5	13.90	69.50	13.90	69.50	0.00
f	CROSSARM PINE-14.4 KV	47	5.46	256.62	5.46	256.62	0.00
f	SADDLE PINS-14.4 KV	23	7.43	170.89	7.43	170.89	0.00
f	SADDLE PINS-14.4 KV	210	6.54	1,373.40	7.43	1,560.30	186.90
fn	CUTOUT BRACKET	2	9.37	18.74	9.37	18.74	0.00
fn	CUTOUT BRACKET	3	9.77	29.31	9.77	29.31	0.00
fn	X-ARM MT. BRACKET	100	2.94	294.00	2.94	294.00	0.00
fn	X-ARM MT. BRACKET	15	2.35	35.25	2.35	35.25	0.00
fn	X-ARM MT. BRACKET	15	4.31	64.65	4.31	64.65	0.00
g	10" CROSSARMS	10	19.57	195.70	17.85	178.50	(7.20)
g	10" CROSSARMS	1	18.87	18.87	17.85	17.85	(1.02)
g	10" CROSSARMS	4	16.38	65.52	17.85	71.40	5.88
g	8" CROSSARMS	50	16.48	824.00	13.75	687.50	(136.50)
g	8" CROSSARMS	290	12.96	3,758.40	13.75	3,987.50	229.10
g	8" CROSSARMS	12	16.83	201.96	13.75	165.00	(36.96)
k	9" BELL INSULATOR	144	9.79	1,409.76	9.72	1,399.68	(10.08)
k	9" BELL INSULATOR	120	9.36	1,123.20	9.72	1,166.40	43.20
k	9" BELL INSULATOR	60	8.99	539.40	9.72	583.20	43.80
k	9" SUSPENSION INSULATOR	360	8.96	3,225.60	9.72	3,499.20	273.60

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  <b>CONSTRUCTION INVENTORY</b> (FOR LABOR AND MATERIAL CONTRACT)			SHEET		OF		SHEETS		
			DATE		PROJECT DESIGNATION				
			April 11, 19X4		State 99 County				
			BORROWER						
			County Electric Cooperative						
ENGINEER									
Big Engineering Company									
CONTRACTOR									
REO Construction Company									
INSTRUCTIONS - See reverse side of RUS Form 254.									
TABULATION OF NET AMOUNT OF MATERIALS FURNISHED BY OWNER									
ITEM DESIG- NATION	DESCRIPTION OF MATERIAL	QUANTITY	ACTUAL COST TO OWNER		AMOUNT CHARGEABLE TO		EXCESS OF COL. 24 OVER COL. 22		
			UNIT COST	EXTENDED COST (Col. 20 x Col. 21)	CONTRACTOR AT CONT. PRICE				
18	19	20	21	22	23	24	25		
k	0" SUSPENSION INSULATOR	290	8.99	2,607.10	9.72	2,818.80	211.70		
m	#336 ANGLE SHOES	7	7.45	52.15	7.45	52.15	0.00		
p	#6 SPLIT BOLTS	25	12.00	300.00	12.00	300.00	0.00		
p	B5 2W 2W CONN.	21	0.77	16.17	0.77	16.17	0.00		
p	ENLO2SB CONNECTOR	14	12.82	179.48	12.82	179.48	0.00		
o	DOUBLE UPSET BOLTS	12	1.22	14.64	1.22	14.64	0.00		
an	TRANSFORMER - 10 KVA CONV	2	187.16	374.32	187.16	374.32	0.00		
an	TRANSFORMER - 15 KVA CONV	2	177.12	354.24	194.73	389.46	35.22		
an	TRANSFORMER - 25 KVA CONV	1	214.46	214.46	268.18	268.18	53.72		
an	TRANSFORMER - 15 KVA CIP	6	237.12	1,422.72	276.02	1,656.12	233.40		
an	TRANSFORMER - 25 KVA CIP	3	238.66	715.98	301.41	904.23	188.25		
an	TRANSFORMER - 10 KVA CIP (14.6)	3	444.82	1,334.46	444.82	1,334.46	0.00		
an	TRANSFORMER - 15 KVA CIP (14.6)	3	556.91	1,670.73	556.91	1,670.73	0.00		
an	TRANSFORMER - 25 KVA CIP (14.6)	1	647.41	647.41	647.41	647.41	0.00		
zz	POLE 30-6	2	47.08	94.16	47.48	94.96	0.80		
zz	POLE 30-6	1	47.20	47.20	47.68	47.68	0.48		
zz	POLE 35-4	1	83.02	83.02	83.82	83.82	0.80		
zz	POLE 35-5	4	83.02	332.08	71.24	284.96	(47.12)		
zz	POLE 35-5	6	74.34	446.04	62.14	372.84	(73.20)		
zz	POLE 35-5	14	70.55	987.70	71.24	997.36	9.66		
zz	POLE 35-6	1	61.54	61.54	62.14	62.14	0.60		
zz	POLE 40-3	4	118.04	472.16	119.18	476.72	4.56		
zz	POLE 40-4	1	107.48	107.48	111.64	111.64	4.16		
zz	POLE 40-4	112	110.57	12,383.84	111.64	12,503.68	119.84		
zz	POLE 40-5	3	89.46	268.38	90.32	270.96	2.58		
zz	POLE 40-5	7	89.45	626.15	90.32	632.24	6.09		
zz	POLE 45-3	9	150.94	1,358.46	152.41	1,371.69	13.23		
zz	POLE 45-4	43	120.82	5,195.26	121.99	5,245.57	50.31		
zz	POLE 45-4	1	121.02	121.02	121.99	121.99	0.97		
zz	POLE 50-3	22	160.42	3,529.24	161.98	3,563.56	34.32		
zz	POLE 50-4	1	144.37	144.37	145.29	145.29	0.92		
zz	POLE 50-4	20	143.89	2,877.80	145.29	2,905.80	28.00		
zz	POLE 50-4	1	143.88	143.88	145.29	145.29	1.41		
zz	POLE 55-3	5	221.14	1,105.70	223.29	1,116.45	10.75		

U.S. DEPARTMENT OF AGRICULTURE RURAL UTILITIES SERVICE  <b>CONSTRUCTION INVENTORY</b> (FOR LABOR AND MATERIAL CONTRACT)			SHEET                      OF                      SHEETS				
			DATE April 11, 19X4	PROJECT DESIGNATION State 99 County			
			BORROWER County Electric Cooperative				
			ENGINEER Big Engineering Company				
			CONTRACTOR REO Construction Company				
INSTRUCTIONS – See reverse side of RUS Form 254.							
TABULATION OF NET AMOUNT OF MATERIALS FURNISHED BY OWNER							
ITEM DESIGNATION	DESCRIPTION OF MATERIAL	QUANTITY	ACTUAL COST TO OWNER		AMOUNT CHARGEABLE TO CONTRACTOR AT CONT. PRICE		EXCESS OF COL. 24 OVER COL. 22
			UNIT COST	EXTENDED COST (Col.20 x Col.21)	UNIT PRICE	EXTENDED COST (Col.20 x Col.23)	
18	19	20	21	22	23	24	25
ZZ	POLE 55-3	1	221.15	221.15	223.29	223.29	2.14
	30 AMP FUSELINKS	27	1.63	44.01	1.63	44.01	0.00
	DEADEND CROSSBAR	1	41.92	41.92	41.92	41.92	0.00
	FUSELINK	47	1.63	76.61	1.63	76.61	0.00
	RECLOSER HANGER	4	20.92	83.68	20.92	83.68	0.00
be	OCR (500)	3	1,244.23	3,732.69	1244.23	3,732.69	0.00
be	OCR (OTHER)	9	190.25	1,712.25	190.25	1,712.25	0.00
TOTAL				137,147.35		131,870.97	(5,274.38)
SPECIAL EQUIPMENT COSTS:				12,179.26		12,689.85	510.59
NET COSTS:				124,968.09		119,181.12	(5,784.97)

SCHEDULE OF SPECIAL EQUIPMENT REUSED

Assembly Unit (a)	Units Installed (RUS Form 254a) (b)	Units Removed (RUS Form 254a) (c)	Units Returned (RUS Form 254b) (d)	Units Furnished By Borrower (RUS Form 254c) (e)	Units Furnished By Contractor (f)	Units Available For Reuse (Column e-d) (g)	Units Reused (Column b-e-f) (h)	Unit Price (Table D) (i)	Value of Special Equipment Reused (Column h x i) (j)
10CONV	3	1	0	2	0	1	1	\$ 220.95	\$ 220.95
10CSP	32	39	7	0	0	32	32	220.95	7,070.40
10(210)	1	1	0	0	0	1	1	220.95	220.95
10V-CONV	1	1	0	0	0	1	1	455.09	455.09
10V-CSP	18	21	6	3	0	15	15	444.82	6,672.30
15CONV	3	1	0	2	0	1	1	194.73	194.73
15CSP	22	16	0	6	0	16	16	276.02	4,416.32
15(210)	1	1	0	0	0	1	1	276.02	276.02
15(310)	3	3	0	0	0	3	3	276.02	828.06
15V-CSP	8	5	0	3	0	5	5	556.91	2,784.55
25(210)	3	3	0	0	0	3	3	368.18	1,104.54
25CONV	1	0	0	1	0	0	0	0	0
25CSP	7	4	0	3	0	4	4	301.41	1,205.64
25V-CSP	2	1	0	1	0	1	1	647.41	647.41
37CSP	2	2	0	0	0	2	2	370.52	741.04
50(210)	1	1	0	0	0	1	1	458.83	458.83
5CSP	7	10	3	0	0	7	7	137.84	964.88
7CSP	1	2	1	0	0	1	1	178.56	178.56
TOTALS	116	112	17	21	0	95	95		\$ 28,440.27

Note: Table D does not include a unit price for a 50KVA transformer. The unit price was estimated at \$458.83.

STATE 99 COUNTY  
DISTRIBUTION CONSTRUCTION UNITS – LINE CHANGES  
TABLE D – VALUE OF MATERIAL ITEMS CREDITABLE TO BIDDER

RUS Item Letter Designation*	Description of Material Item	Item Value
a	Insulator PT 7.2 KV	\$ 1.82
a	Insulator PT 14.4	4.78
b	Pole Top Pin	3.50
c	Machine Bolt	.66
d	Washer	.18
f	Steel Crossarm Pin	1.68
f	Crossarm Pin Clamp	7.43
g	Crossarm 8'	13.75
g	Crossarm 10'	17.85
g	5' Steel Insulated Bracket	18.00
i	Bolt, Carriage	.25
j	Lag Screw	.46
k	Suspension Insulator 7.2KV	5.52
k	Suspension Insulator 14.4KV	9.72
l	Deadend Clamp	6.52
m	Suspension Clamp	4.19
n	Double Arming Bolt	1.31
o	Eye Bolt	1.80
p	Connectors	1.79
q	Bolt, Double Upset	.53
s	Clevis, Swing	1.85
u	Clamp, 3 Bolt	2.61
v	Guy Attachment	1.39
x	Anchor Rod	6.70
y	Guy Stand, Ft.	.18
aa	Eye Nut	1.38
ab	Nut, Thimble Eye	1.65
ae	Lightning Arrestor 9 KV	23.71
af	Cutout, 15KV	28.99
af	Cutout, Loadbreak 18KV	122.30
an	Transformers 7.2 – 5KVA CSP	137.84
	7 KVA CSP	178.56
	10 KVA CSP	220.95
	15 KVA CSP	276.02
	25 KVA CSP	301.41
	37.5 KVA CSP	370.52
	15 KVA CONV	194.73
	25 KVA CONV	368.18
an	Transformers 14.4 – 10 KVA CSP	444.82
	15 KVA CSP	556.91
	25 KVA CSP	647.41
	10 KVA CONV	455.09



STATE 99 COUNTY  
DISTRIBUTION CONSTRUCTION UNITS – LINE CHANGES  
TABLE D – VALUE OF MATERIAL ITEMS CREDITABLE TO BIDDER

RUS Item Letter Designation*	Description of Material Item	Item Value
ao	Thimble Eye Bolt	\$ 1.20
ap	Hot Line Clamp	4.70
as	Clevis, Swing, Insulated	2.71
at	Guy Guard	4.24
av	Conductor: 2 Triplex, LB	1.10
	4 Triplex, LB	1.02
	1/0 Triplex, LB	1.02
	2/0 ACSR, LB	.74
	6 WPCU, LB	.53
	8 WPCU, LB	.53
	1/0 ACSR, LB	.74
	4 ACSR, LB	.89
	2 ACSR, LB	.87
	6 HDCU, LB	.49
	8 ACWC, LB	.50
	6 ACWC, LB	.45
	4 HDCU, LB	.44
be	Oil Circuit Recloser	190.25
be	Oil Circuit Recloser – 15A, 35A, 50A	1,244.23
bh	Service Clevis with Spool	1.89
bh	Clamp Loop Dead End	2.00
bj	Guy Hook	.65
bk	Guy Plate	.60
bo	Anchor Shackle	2.11
bs	Bolt, Single Upset	2.08
cd	Angle Shoe, 336	3.25
ck	Anchor Rod Bond Clip	.57
cm	Spool Insulator	.86
cu	Wood Brace 28" PR	3.85
cu	Wood Brace 60" PR	9.35
da	Bracket, Neutral Insulated	2.71
dd	Insulator Adapter, 7.2KV	1.10
dm	Cluster Mount Bracket	58.71
ek	Locknut	.10
fi	Hot Line Connector	3.78
ax	Cutout and Arrestor Combination, 18 KV	98.48
	Security Light	45.00
zz	Poles: 30'	58.68
	35'	78.46
	40'	111.65
	45'	139.26
	50'	150.00

STATE 99 COUNTY  
DISTRIBUTION CONSTRUCTION UNITS - LINE CHANGES  
TABLE D - VALUE OF MATERIAL ITEMS CREDITABLE TO BIDDER

RUS Item Letter Designation*	Description of Material Item	Item Value
	3 Wire Rack	\$ 4.50
	Fiberglass Guy Strain Insulator	13.50
sk	By-Pass Switch	250.34
ar	Wireholder	1.50
	Capacitor	292.54
dy	Eyebolt, Double Arming	1.80
ec	Stand-Off Bracket	6.00
ea	Post-Type Insulator	8.25
fd	Hanger, Cluster Mount	15.00
sc	Regulators	2,750.00

\* See the "List of Materials Acceptable for Use on Systems of RUS Borrowers".

Work Order No. 87301X

RETIREMENT WORK ORDER

Location		XYZ County		Work Started		Description of Work:		Contract Construction and	
Retirement-No Replacement		Related W.O. No.		Work Completed		Removal, Distribution Line.		REO Construction Company, April 11, 19X4	
Retirement-Sys. Improve.		Related W.O. No.		Primary Miles		Retired			
Retirement-Replacements		Related W.O. No.		Sec. & Serv. Miles		Retired			
		X							

Unitization And Distribution To Plant Accounts					Month of April 19X4			Inventory No.					
Acct. No.	Record Unit (1)	No. of Units (2)	Unit Standard Costs (3)		Total Standard Costs (4)		Total Actual Costs ("C" x Col. 4) (5)		Adjusted Unit Costs (Gross) (6)		Contributions In Aid Of Construction (7)	Total Net Costs (Col. 5-Col. 7) (8)	Adjusted Unit Costs (Net) (Col. 8/Col. 2) (9)
362													
364	Anchor Guy	200	76	05	15,210	00	20,246	78					
	Crossarm	395	58	72	23,194	40	30,875	20					
	Poles 35' & Under	33	155	02	5,115	66	6,809	71					
	40' - 45'	177	222	29	39,345	33	52,374	49					
	50' & Over	48	296	83	14,247	84	18,966	00					
	Cluster Mount	1	174	59	174	59	232	41					
Total Account 364							129,504	58					
365	Lightning Arrester	40	77	93	3,117	20	4,149	46					
	Cutout	67	77	93	5,221	31	6,950	34					
	Ground	258	61	42	15,846	36	21,093	87					
	String Of Insulators	258	69	61	17,959	38	23,906	61					
	Bypass Switch	6	267	74	1,606	44	2,138	41					
	No. 4 ACSR	8,139	234	20	1,906	15	2,537	37					
	No. 6 HDBC	4,228	200	00	845	60	1,125	62					
	1/0 ACSR	254,634	291	88	74,322	57	98,934	41					
	No. 2 ACSR	76,608	268	79	20,591	46	27,410	31					
	No. 2 TPX	4,804	569	72	2,736	93	3,643	27					
	1/0 TPX	0.68	702	60	477	77	635	98					
	No. 336.4 ACSR	54,516	599	47	32,680	71	43,502	89					
	Combination Unit	5	182	68	913	40	1,215	87					
Capacitor Cluster Mount	3	91	33	273	99	364	72						
Total Account 365							237,609	12					
366													
Total Account 366													
367	600 Amp Switch	6	285	66	1,713	96	2,281	54					
Total Account 367							2,281	54					
368	Combination Unit	3	224	58	673	74	896	85					
Total Account 368							896	85					
369	3-W #2 TPX	23	232	29	5,342	67	7,111	89					
Total Account 369							7,111	89					
371	Security Light	6	115	44	692	64	922	01					
Total Account 371							922	01					
				</									

A. Total Standard Cost 284,210 11

B. Total Actual Cost: Dr. Plant Accounts-- Cr. Account 107.2 378,325 99

C. Total Actual Cost to Standard Cost Ratio  
(B Less Acct. 362 / A) 1.33114895

D. Contributions In Aid Of Construction: Dr. Account 107.2-- Cr. Plant Accounts

USDA - RUS				No funds involved may be requisitioned unless a completed application Form 219 has been received (7 U.S.C. 901 et seq.)				FORM APPROVED OMB No. 1572-0019 EXPIRES 02/28/96		
INVENTORY OF WORK ORDERS				1. INVENTORY NO. 9-89 (CC#12X)		2. MONTH ENDING APRIL 19X4				
INSTRUCTIONS: Prepare 2 copies of this form. Forward 1 copy to the Rural Utilities Service, USDA, Washington, DC 20250. For detailed instructions see: RUS Bulletin 1767B-1.				3. SYSTEM DESIGNATION State 99 County						
				4. NAME OF BORROWER County Electric Cooperative						
740-C CODE		WORK ORDER		GROSS FUNDS REQUIRED			DEDUCTIONS			LOAN FUNDS SUBJECT TO ADVANCE BY RUS
O R D I N A R Y	C O D E	C O N S T R U C T I O N	R E T I R E M E N T	C O S T O F C O N S T R U C T I O N	C O S T O F R E M O V A L I N S Y S T E M I M P R O V E M E N T S	O R I G I N A L C O S T O F U N I T S R E T I R E D I N O R D I N A R Y R E P L A C E M E N T S	SALVAGE RELATING TO		C O N T R I B U T I O N S I N A I D O F C O N S T R U C T I O N A N D P R E V I O U S A P P R O V A L S	
							S Y S T E M I M P R O V E M E N T S O N L Y	R E T I R E M E N T S W I T H O U T R E P L A C E M E N T		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
	87301	87301X	1	391,802.75 (131,870.97) 259,931.78	56,382.21		34,437.61		(1) 233,938.60	179,808.75 (131,870.97)
	Total Contract #12X Less: OFM at CT Prices									
	Plus: Net Amount OFM at actual cost less special equipment			124,966.09					(1) 131,870.97	(6,904.88)
	Materials Salvaged						7,650.78			(7,650.78)
	Less: Special Equipment Installation (labor) Materials (Re-Used) Removal (labor)			(14,852.49) (28,440.27)	(7,821.19)		(28,440.27)			(14,852.49) 0.00 (7,821.19)
	Net Contract			341,605.11	48,561.02		13,648.12		365,809.57	10,708.44
	87302		1							
	Force Account Costs Associated with CC#12X									
	Misc. Labor & Overhead			36,720.88						36,720.88
	(1) Amounts approved for advance on RUS Form 605, dated July 16, 1989.									
<b>TOTAL</b>				378,325.99	48,561.02	0.00	13,648.12	0.00	365,809.57	47,429.32
<b>SUMMARY BY BUDGET ITEMS</b>				<b>ENVIRONMENTAL CERTIFICATION - FOR MINOR PROJECT 219 ONLY</b>						
Item No.	740-C Code	Amount	1 <input type="checkbox"/> We certify that construction reported on the above listed work orders (except certification "2" below), is a categorical exclusion of a type described in 7 CFR 1794.31 (b) which normally does not require preparation of a Borrower's Environmental Report. 2 <input type="checkbox"/> We certify that construction reported on work orders _____ above, is a categorical exclusion of a type that normally requires a Borrower's Environmental Report which is attached.							
1	301	89,461.00	DATE _____ SIGNATURE (Manager)							
1	302	37,519.20	Borrower Certification - We certify that the costs of construction shown are the actual costs and are reflected in the general accounting records. We further certify that funds represented by advances requested have been expended in accordance with the purposes of the loan, the provisions of the loan contract and mortgage, and RUS bulletin and the Code of Federal Regulations relative to the advance of funds for work order purposes.							
1	303	100,980.50	DATE _____ SIGNATURE (Manager)							
1	304	185,278.19	DATE _____ SIGNATURE (Board Approval)							
			ENGINEERING CERTIFICATION - I hereby certify that sufficient inspection has been made of the construction reported by this inventory to give me reasonable assurance that the construction complies with applicable specifications and standards and meets appropriate code requirements as to strength and safety. This certification is in accordance with acceptable engineering practice.							
			INSPECTION PERFORMED BY _____ FIRM _____							
<b>TOTAL</b>			LICENSE NUMBER _____ SIGNATURE OF LICENSED ENGINEER _____							
			TOTAL 413,238.89							

RUS FORM 219 (Rev. 10-88) facsimile - computer generated form

Note: In those cases where advances have been received prior to the preparation of the final RUS Form 219, those advances should be reported in column 9, Contributions in Aid of Construction and Previous Approvals.

