



City of Gallup  
Purchasing Division  
P.O. Box 1270  
Gallup, New Mexico 87305-1270  
Office: (505) 863-1232  
Fax: (505) 722-5133  
*gallupnm.gov/purchasing*

# CITY OF GALLUP

## INVITATION TO BID FORMAL BID NO NO. 1905

### ELECTRICAL MATERIALS

**ISSUE DATE:** February 22, 2019  
**BID OPENING DATE:** March 13, 2019  
**BID OPENING TIME:** 2:00 p.m. Local Time

**Vendor:**

\_\_\_\_\_

**Address:**

\_\_\_\_\_

\_\_\_\_\_

**Notes:**

F.O.B. Point : Destination

Payment Terms: Net 30, unless otherwise stated

Quantities may be increased or decreased within reasonable amounts

**ACKNOWLEDGMENT OF RECEIPT OF BID**

**Formal Bid No. 1905**

**ELECTRICAL MATERIALS**

In acknowledgment of receipt of this BID the undersigned agrees that they have received a complete copy of this Bid consisting of **thirty-one (31) pages**.

The acknowledgment of receipt should be signed and returned to the Purchasing Office as soon as possible but no later than 5:00 P.M. local time on March 8, 2019. **Only potential bidders who elect to return this form completed with the indicated intention of submitting a bid will receive copies of all bidder written questions and the City's written responses to those questions as well as Bid Amendments, if any are issued.**

FIRM DOES DOES NOT (Circle one) intend to respond to this Formal Bid.

FIRM: \_\_\_\_\_

REPRESENTED BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

PHONE NO.: \_\_\_\_\_

FAX NO.: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_  
: \_\_\_\_\_

STATE: \_\_\_\_\_

ZIP CODE

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

EMAIL: \_\_\_\_\_

The above name and address will be used for all correspondence related to the Formal Bid.

Return this form by fax or email to:

City of Gallup Purchasing Department  
Frances Rodriguez  
P.O. Box 1270  
Gallup, New Mexico 87305  
(505) 863-1334  
(505) 722-5133 Fax  
Email: [fr Rodriguez@gallupnm.gov](mailto:fr Rodriguez@gallupnm.gov)

**Please return this form no later than March 8, 2019**

**GENERAL CONDITIONS  
FORMAL BID NO. 1905**

**SEALED BIDS:** All bids must be submitted in a sealed envelope and shall not be opened and considered if they are not received at the City of Gallup Purchasing Department, Municipal Building, 110 West Aztec, Gallup, New Mexico 87301 (mailing address: City of Gallup Purchasing Department; Municipal Building; P.O. Box 1270; Gallup, New Mexico 87305) prior to the time specified for the Bid Opening. All sealed bids must be submitted on the Bid Document Originals or Forms, or reasonable facsimile, furnished by the City of Gallup. All bids must be signed by a responsible and authorized person for the bidding firm. Each bidder must also fill-in areas for Delivery Date and Payment Terms; failure to do so may result in disqualification of their respective bid. **NOTE: Fax or electronically transmitted Bids are NOT accepted on the City of Gallup Formal Bids.** Bids submitted after the Bid Opening date and time will not be considered and will be returned unopened. Bids will be opened in the Purchasing Department Conference Room.

Physical Address

City of Gallup Municipal Building  
Purchasing Department  
110 West Aztec  
Gallup, NM 87301

Mailing Address

City of Gallup Municipal Building  
Purchasing Department  
P.O. Box 1270  
Gallup, NM 87305

**BID OPENING DATE AND TIME:** Bids shall be received until **March 13, 2019 at 2:00 P.M.** local time.

**MAILING:** Bidder to utilize the City's self-addressed label on their return mailing envelope or package. If sent by overnight method (Federal-Express, UPS Next Day Air etc.) please **note bid number on exterior of envelope.** Failure to do so will not constitute a liability on the City if the bid is misplaced or lost.

**Please return two sets of the Invitation to Bid packages to the Purchasing Department, the original and a photo copy.**

**SPECIFICATIONS:** Specifications, as included in this Bid, are intended to indicate the requirements of the City of Gallup and give an accurate description of minimum standards acceptable. All items equal or equivalent to these requirements and standards will be considered, except where otherwise noted.

**MINOR DEVIATIONS OR IRREGULARITIES:** The City reserves the right to accept **minor** modifications to or deviations from any specification, except where otherwise noted, as long as the proposed material meets the intent of the specifications. The City will be the sole entity to determine the acceptance or non-acceptance of any such modifications or deviations.

**EQUIVALENTS:** Equals or equivalents to these specifications will be considered provided Bidder furnishes sufficient proof that their offer meets or exceeds the intent of these specifications, unless the specifications state that no substitutions or equivalents are allowed. Failure to submit sufficient data/literature to allow a thorough evaluation of your bid may be cause for rejection of your bid. Therefore, include copies of all pertinent data, specifications, or descriptive literature.

The City will be the sole entity to determine the acceptance or non-acceptance of any modifications or deviations. The acceptance or rejection of equivalents shall be determined solely by the City of Gallup.

**NEW EQUIPMENT:** Unless otherwise stated, all goods or materials must be the new and latest in production.

**WARRANTY:** Offeror agrees that all Manufacturer Warranties shall insure to the benefit of the City and all rights and remedies provided in such warranties shall extend to the City.

**MODIFICATIONS:** The City reserves the right to accept **minor** modifications to or deviations from any specification, except where otherwise noted, as long as the proposed material meets the intent of the specifications. The City will be the sole entity to determine the acceptance or non-acceptance of any modifications or deviations.

**BRAND NAMES:** Where a product or brand name is indicated in the specifications, it shall mean "minimum acceptable level or minimum quality required" by the City unless the specifications state that no substitutions or equivalents are allowed. If the Bidder is offering, as an equal or equivalent, an item other than the one specified then the manufacturer's name and model number of that item must be specified in the offer and sufficient specification and descriptive data and literature provided to permit a thorough evaluation. Failure to provide appropriate information may result in disqualification of the offer.

Bidders must state the brand name and model being bid and provide proof that the merchandise bid is **equal or equivalent to** the specifications. Unless the bidder clearly indicates in his bid that he is offering an "equal" product, his bid shall be considered as offering a brand name product referenced in the Bid Schedule.

**FORMS COMPLETION:** Exceptions to the specifications shall be listed and fully explained on a separate page entitled "Exceptions to Specifications". The exceptions shall refer to the specification page and paragraph number the nature of each exception should be described in as much detail as necessary. Failure to do so may be reason to reject your bid.

**STANDARD OF QUALITY:** The similarity to any brand name is for the purpose of describing a standard of quality, performance and characteristics desired and not intended to limit or restrict competition. Bidders must state the brand name and model being bid and provide proof that the merchandise bid is **equal or equivalent to** the specifications. The City shall be the sole entity to determine acceptance or non-acceptance of equivalents.

**COMPETENCY OF BIDDER:** Bids will be considered only from firms which are regularly engaged in providing the type of materials described in the bid and who can provide evidence that they have established a satisfactory record of performance to insure they can execute the requirements as stated herein. Any determination as to competency shall be made by appropriate City staff.

**DELIVERY:** Will be an important part in awarding the Bid. If a vendor breaches his contract by failing to deliver according to the time specified in the bid, the City of Gallup reserves the right to cancel the contract and to recover from the vendor any damages it suffers because of said breach.

**NON-CONFORMING MATERIAL:** If the City of Gallup issues a Purchase Order and upon receipt the material does not meet the Specifications, the City will return the material Freight Collect, and at its option cancel the order and recover from the vendor any damages suffered.

**BILLING:** All goods or services must be billed to the City of Gallup and at prices not exceeding those stated on the Purchase Order. If prices or terms do not agree with your quotation, notify the Purchasing Department immediately.

**PAYMENT OR ACCEPTANCE NOT CONCLUSIVE:** Vendor will supply the City with invoice for payment. No payment made under this contract shall be conclusive evidence of the performance of this contract, either wholly or in part, and that no payment made for the delivery of the items in whole or in part shall be construed as an acceptance of defective work or improper materials, nor relieve the Bidder from corrections of the defects. The final acceptance shall not be binding upon the City, nor conclusive, should it subsequently develop the Bidder has furnished inferior items or had departed from the specifications and/or the terms of the contract. Should such conditions become evident, the City shall have the right, notwithstanding final acceptance and payment, to cause the item(s) to be properly furnished in accordance with the specifications (and drawings, if any) at the cost and expense of the Bidder.

**F.O.B. POINT:** All material shall be quoted F.O.B. **DESTINATION**, Freight Prepaid and Allowed. Bidders are cautioned that quoting material other than F.O.B. Destination may result in a finding of their bids as Non-responsive. City of Gallup Ordinances and State Law do not allow the City to own tangible goods or for services prior to receiving if said good or prior to service being rendered. All price(s) bid shall be Freight Prepaid, freight included in prices. The City of Gallup will not pay separately stated freight charges.

**PRICE TERMS:** Bidder agrees that the prices bid shall remain in effect for 30 days from the date of the Bid Opening and subject to acceptance by the City of Gallup within that period. Acceptance period may be extended with the mutual agreement of the City and the Bidder.

**CANCELLATION:** The City reserves the right to cancel any contract resulting from this request for convenience by giving written notice to the vendor. The City shall be liable to the vendor for any services provided or material ordered and accepted prior to termination.

If the vendor fails to fulfill any obligation resulting from this contract in a timely and responsive manner, or if the vendor violates any of the terms of this contract, the City shall have the right to cancel the contract by giving written notice of cancellation to the vendor and recover from the vendor any damages resulting from vendor's failure to perform.

**LOCAL AND RESIDENT PREFERENCE:** In accordance with City Ordinance, a local preference may be afforded a bidder who qualifies as a City of Gallup resident business as defined by the City of Gallup Procurement Ordinance. Preference factors can be accessed at:

<http://www.sterlingcodifiers.com/NM/Gallup/index.htm>

The State of New Mexico and the City of Gallup also grant a preference for qualified New Mexico Resident Businesses or Resident Veterans Businesses certified by the State of New Mexico Department of Taxation and Revenue, in accordance with Sections 13-1-21 to 13-1-22 NMSA 1978. **You must furnish a copy of your State of New Mexico Resident Business or Resident Veterans Business Certificate with your bid to be considered for the in-state preference.** For

information on State of New Mexico resident business or Resident Veterans Business certification call 505-827-0951 or to download applications, go to: <http://www.tax.newmexico.gov/Businesses/in-state-veteran-preference-certification.aspx>

The applicable City of Gallup Resident Business preference or State of New Mexico Resident Bidder's or Veteran's Preference will be factored into bid prices where applicable. However, preferences are not cumulative and a bidder will receive only one preference

**AMENDMENTS:** If any questions or responses require revision to the solicitation as originally published, such revisions will be by formal amendment only. If the solicitation includes a contact person for technical information, offerors are cautioned that any oral or written representations made by this or any person that appear to change materially any portion of the solicitation shall not be relied upon unless subsequently ratified by a written amendment to this solicitation issued by the Purchasing Office. For a determination as to whether any representation made requires that an amendment be issued, contact the Purchasing Office.

**CONTACT INFORMATION:** Questions or clarifications regarding any phase of this solicitation, including specifications, shall be directed to Frances Rodriguez, Purchasing Director, P.O. Box 1270, Gallup, New Mexico 87305; Telephone: (505)863-1334; Fax: (505)722-5133; Email: [frdriguez@gallupnm.gov](mailto:frdriguez@gallupnm.gov) who shall be the sole point of contact for this bid. Questions submitted after **March 8, 2019** may not be addressed.

**PROTESTS:** Any bidder or offeror who is aggrieved in connection with a solicitation or award of a contract may protest to the central purchasing office. The protest must be submitted in writing within seven (7) calendar days after knowledge of the facts or occurrences giving rise thereto.

**TOTAL ALL OR NONE:** Material and Services on this Bid will be on a Total All or None basis where indicated. If no responsive all or none offers are received, the City reserves the right to award the Bid in whatever it deems to be in its best interest.

**AWARD:** The award, if made, shall be made to the lowest responsible Bidder submitting a responsive bid that is most advantageous to the public.

The City reserves the right to reject any or all Bids. Bids may be rejected for, among other reasons:

- Bids containing any irregularities.
- Unbalanced value of any items.
- Reason for believing collusion exists among the Bidders.
- The Bidder being interested in any litigation against the City.
- The Bidder being in arrears on any existing contract or having defaulted on a previous contract; or within the past three years been formally debarred in the State of New Mexico or any other jurisdiction; or whose license has been suspended or revoked by the appropriate licensing authority
- Lack of responsibility as may be revealed by a financial statement, experience and equipment, questionnaires, etc.

- Uncompleted work which in the judgment of the City will prevent or hinder the prompt completion of additional work if awarded.

**PROCUREMENT CODE VIOLATIONS:** The Procurement Code imposes civil and criminal penalties for its violation. In addition, the New Mexico Criminal Statutes impose felony penalties for illegal bribes, gratuities, and kick-backs.

THE CITY OF GALLUP RESERVES THE RIGHT TO CANCEL THE BID, OR REJECT ANY OR ALL BIDS IN WHOLE OR IN PART, TO WAIVE TECHNICALITIES AND TO ACCEPT THE PROPOSAL IT DEEMS TO BE IN THE BEST INTEREST OF THE CITY.

**SUPPLEMENTAL TERMS AND CONDITIONS**  
**FORMAL BID NO. 1905**

**ELECTRONIC COMMUNICATIONS:** Communications regarding this procurement, including issuance of any amendments, may be conducted by electronic means (e-mail or fax). However, electronic submittals of the bid whether by fax, email, or other electronic means are NOT acceptable as noted in the General Conditions.

**UNIT PRICES:** Typographical errors, errors in extending unit prices, arithmetic errors or errors clearly evident on the face of the bid document may be corrected in accordance with the Procurement Ordinance and Procurement Regulations. Discrepancies involving the incorrect extension of unit prices shall be resolved in favor of unit prices as unit prices cannot be corrected.

**TAXES:** All bid prices shall be quoted EXCLUSIVE of taxes.

**ACKNOWLEDGEMENT OF RECEIPT:** The Acknowledgment of Receipt should be signed and returned to the Purchasing Office as soon as possible but no later than 5:00 P.M. local time on March 8, 2019. **Only potential bidders who elect to return this form completed with the indicated intention of submitting a bid will receive copies of all written questions and the City's written responses to those questions as well as copies of Amendments, if any are issued.**

**BID DOCUMENTS:** Bid documents may be retrieved by accessing the Purchasing page of the City of Gallup website, [www.gallupnm.gov/bids](http://www.gallupnm.gov/bids) , by calling (505) 863-1232 or visiting the Central Purchasing Office at 110 West Aztec, Gallup, NM 87301.

The City of Gallup will notify vendors of record of amendments/addenda that are issued. If not a vendor on record, or if solicitation was downloaded through the City of Gallup website, it shall be the vendor's responsibility to check website frequently for copies of any addenda/amendments or correspondence concerning the solicitation. Failure to acknowledge all addenda could result in rejection of your bid/proposal as non-responsive. In the case of an inconsistency between information on City of Gallup website and the Purchasing file document, the file document shall prevail.



## **NOTICE TO BIDDERS**

As of October 5, 2011 applications for Resident New Mexico in-state bidders will no longer be processed through the State Purchasing Division. All resident business and contractors will have to obtain a new preference number with the New Mexico Department of Taxation and Revenue as of January 1, 2012.

**It will be the sole responsibility of the Bidders requesting consideration for the New Mexico Resident Bidders Preference to obtain approval and a certification from the New Mexico Department of Taxation & Revenue prior to the bid opening date. You must furnish a copy of the Resident Bidders Certificate with your bid in order to be considered for the in-state preference.**

**As of July 1, 2012 a New Mexico Resident Veteran's Business preference number may be obtained from the New Mexico Department Taxation and Revenue Department. In order to be considered for the New Mexico Veteran's Contractor preference a copy of the Certificate must be included with your bid as per Sections 13-1-22 (A) NMSA 1978.**

For additional information please call 505-827-0951, or to download applications log on at:  
<http://www.tax.newmexico.gov/Businesses/in-state-veteran-preference-certification.aspx>

**CITY OF GALLUP  
FORMAL BID NO. 1905**

**ADDITIONAL TERMS AND CONDITIONS**

1. **GENERAL.** When the City of Gallup Purchasing Department issues a purchase document in response to the Vendors bid, a binding contract is created.
  
2. **FORM OF SUBMISSION.** Bid Offers shall be made on Bid Offer Forms, or reasonable facsimilies, furnished by City of Gallup. Bidders are requested to provide one (1) original and one (1) copy of the Bid. The outside package should identify the Project Name, Bid Number, Bid Opening Date and Name of Bidder. Any costs associated with a bid submission shall be borne by the bidder. The City will not be liable for any costs incurred by the bidder in responding to this solicitation.
  
3. **DEBARRED OR SUSPENDED CONTRACTORS.** A business (contractor, subcontractor or supplier) that has either been debarred or suspended pursuant to the requirements of .13-1-177 through .13-1-180, and .13-4-11 through .13-4-17 NMSA 1978 as amended, shall not be permitted to do business with City of Gallup and shall not be considered for award of the contract during the period for which it is debarred or suspended.
  
4. **ASSIGNMENT.**
  - A: Neither the order, nor any interest therein, nor claim thereunder, shall be assigned or transferred by the Vendor, except as expressly authorized in writing by the City of Gallup Procurement Administrator. No such assignment or transfer shall relieve the Vendor from the obligations and liabilities under this order.
  
  - B: Vendor agrees that any and all claims for overcharge resulting from antitrust violations which are borne by the City of Gallup as to goods, services, and materials purchased in connection with this bid are hereby assigned to the City of Gallup.
  
5. **DISCOUNTS.** Except in the case of tie bids, prompt payment discounts will not be considered in computing the low bid. Discounts for payment will be considered after the award of the contract. Discounted time will be computed from the date of receipt of the merchandise or invoice, whichever is later.
  
6. **INSPECTION.** Final inspection and acceptance will be made at the site. Goods rejected at the site for non-conformance with specifications shall be removed, at the Vendor's risk and expense, promptly after notice of rejection.
  
7. **INSPECTION OF PLANT.** The City of Gallup Procurement Administrator may inspect, at any reasonable time, the part of the contractor's, or any subcontractor's plant or place of business, which is related to the performance of this contract.
  
8. **LIABILITY.** The Vendor agrees that City of Gallup shall not be held liable for any costs incurred in preparation of this bid.

9. TAXES. The bid prices shall exclude all taxes. Wherever requested in bid response, Vendor shall submit taxes on total bid as a separate unit item. Bids shall be awarded on unit price without regard of tax.

10. DEFAULT. The City of Gallup reserves the right to cancel all or any part of this order without cost to the City of Gallup, if the Vendor fails to meet the provisions of this order and, except as otherwise provided herein, to hold the Vendor liable for any excess costs if failure to perform the order arises out of causes beyond the control and without the fault or negligence of the Vendor, such causes include but are not restricted to acts of God or the public enemy, acts of the State or Federal government, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, unusually severe weather, and defaults of subcontractors due to any of the above, unless the City of Gallup shall determine that the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the Vendor to meet the required delivery schedule. The rights and remedies of the City of Gallup provided in this paragraph shall not be exclusive and are in addition to any other rights now being provided by law or under this order.

11. NON-COLLUSION. In, signing this bid, the Vendor certifies that he/she has not, either directly or indirectly, entered into any action in constraint of free competitive bidding in connection with this proposal submitted to the City of Gallup Procurement Administrator.

12. NON-DISCRIMINATION. Vendors doing business with City of Gallup must be in compliance with the Federal Civil Rights Act of 1964 and Title VII of the Act, (Rev.,1979), and the Americans Disabilities Act of 1990. (Public Law 101-336).

13. METHOD OF AWARD. A contract will be awarded to a single bidder based on pricing and compliance with the specifications and requirements. City of Gallup reserves the right to waive irregularities, reject offers in whole or in part, and award this Bid in the best interest of the City of Gallup.

14. RIGHT TO DISCONTINUE PROCUREMENT. The City of Gallup reserves the right to cancel this INVITATION TO BID at any time, and to reject any or all bids, or otherwise to proceed in the best interests of the City of Gallup. This in no manner obligates the City of Gallup or any of its agencies to the eventual purchase of any product or service, whether explicitly described or implied herein, until confirmed by a written contract and/or Purchase Order.

15. F.O.B. POINT: All material shall be quoted F.O.B. DESTINATION, Freight Prepaid. Bidders are cautioned that quoting material other than F.O.B. Destination may result in a finding of their bids as Non-responsive. City of Gallup Ordinances and State Law do not allow the City to own tangible goods or for services prior to receiving if said good or prior to service being rendered. All price(s) bid shall be Freight Prepaid, freight included in prices. The City of Gallup will not pay separately stated freight charges.

16. LATE BIDS. Any bid received after the specified time and date will be declared a "Late Bid" and will NOT be considered. Please provide ample time if using carriers such as FedEx or UPS, etc. Delays caused by commercial airlines or express carriers such as FedEx and UPS are not excusable and bids will therefore be considered late and will **NOT** be accepted. Weather

forecasts should be monitored and taken into consideration in the planning of mailing of bids and/or proposals.

17. **SPECIAL INSTRUCTIONS.** To preclude possible errors and/or misinterpretations, bid prices must be affixed LEGIBLY in ink, or typewritten. Corrections or changes must be signed or initialed by bidder prior to schedule bid opening. Failure to do so will be just cause for rejection of bid.

A. Bidders shall hold their bid pricing for thirty (30) days after bid opening.

18. **EXISTING AGREEMENT.** Under the terms and conditions of this Bid all public bodies allowed by law may procure the supplies or services under this Bid as described herein. The terms and conditions of this Bid shall form a part of each order issued herein, but each public body shall be responsible for their own orders.

**SPECIAL TERMS AND CONDITIONS:**

**1A. LAWS / CODES / STANDARDS / REGULATIONS:**

Contractor will be responsible for complying with all applicable local, state and federal regulations regarding transportation of materials, as well as all fees, permits and/or authorization required for delivery. Contractor will provide all supervision of employees required and be responsible for maintenance, insurance, mileage, fuel, permits, licenses, etc. required for the operation of the vehicles or equipment used for transportation. These requirements and all associated costs for providing the services shall be included in the bid price.

Equipment and services supplied under this solicitation shall meet and comply with all current applicable Federal, State, and local laws, codes, standards, and regulations, and applicable industry safety standards and requirements.

The Contractor shall be properly licensed and qualified to furnish services and to perform the required work under applicable licensing statutes of the State of New Mexico and other applicable regulatory agencies. Contractor shall comply with all applicable Federal, State and local government codes, laws, regulations, and requirements in the performance of the work described herein.

**1B. INDEPENDENT CONTRACTOR.**

The bidder awarded an agreement under this solicitation is an independent contractor and shall perform its obligations under this agreement, as it deems necessary and appropriate. The successful Contractor and its officers, directors, agents and employees, are independent contractors performing services for the City of Gallup and are not employees of the City of Gallup. The successful Contractor, and its officers, directors, agents, and employees, shall not accrue leave, retirement, insurance bonding, use of City of Gallup vehicles or any other benefits afforded to employees of the City of Gallup. The successful Contractor covenants that it presently has no interest, and shall not acquire any interest, direct or indirect, financial or otherwise, which would conflict in any manner or degree with the performance of the required services.

**1C. INDEMNITY.**

The Contractor agrees, as material consideration for this Agreement, to defend, indemnify, and hold harmless the City of Gallup, its Elected Officials, Agents, and employees from and against any and all claims arising out of any asserted negligent act, error or omission of the Contractor, its officers, directors, employees or agents or arising in any way from this agreement or the Contractor's activities hereunder. The indemnity agreed to in this paragraph shall not extend to liabilities, claims, damages, losses or expenses, including attorney fees arising out of: The preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs or specifications by the City of Gallup, or the agents or employees of the City of Gallup, or the giving of or the failure to give directions or instructions by the City of Gallup, or the agents or employees of the City of Gallup, where such giving or failure to give directions or instructions is the primary cause of bodily injury to persons or damage to property.

#### 1D. TERMINATION OF CONTRACT:

In the event of a breach on any provision of the Agreement, the City of Gallup shall notify the Contractor of the fault within a reasonable time. If the Contractor fails to cure the breach or make other arrangements satisfactory to the City of Gallup, the City of Gallup may immediately terminate the Price Agreement or take other steps, as it deems necessary. Safety related items must be corrected within twenty-four (24) hours. The Contractor shall pay the City of Gallup all costs and expenses, including reasonable attorney's fees incurred by the City of Gallup, in exercising any of its rights or remedies in connection with enforcement of the Agreement.

The City of Gallup may terminate this Agreement for Convenience at any time, without penalty of any kind, by giving notice in writing to the Contractor. Said termination shall not nullify any payments due contractor for costs and work completed incurred through the date of termination.

#### 1E APPROPRIATIONS:

The terms of this Agreement are contingent upon sufficient monies being made available by the City of Gallup for the performance of this Agreement. If sufficient appropriations and authorizations are not made by the City of Gallup, this Agreement shall terminate upon written notice being given by the City to the Contractor. The City's decision as to whether sufficient appropriations are available shall be accepted by the Contractor and shall be final.

#### 1F. GOVERNING LAW.

The contract awarded to a Contractor as a result of this solicitation shall be governed in accordance with the laws of the State of New Mexico and the City of Gallup Ordinances.

**CITY OF GALLUP**  
**Cost Proposal**  
**Formal Bid No. 1905**

Item No.	Description	Unit	Quantity	Unit Price	Amount
1.	Wire, 500 MCM URD Aluminum 15kV EPR Insulated, Jacketed URD Cable (See specifications attached <b>Attachment A</b> ) NO SUBSTITUTES!!	FT.	7500 FT (3 reels)	\$ _____	\$ _____
	Brand and Item Number: _____		Delivery Date ARO: _____		
2.	Three Phase WYE Distribution Transformer Padmount, 500 KVA 277/480Y 13200/7620 (See specifications attached <b>Attachment B</b> ) NO SUBSTITUTES!!	Each	6	\$ _____	\$ _____
	Brand and Item Number: _____		Delivery Date ARO: _____		
3.	Poles, Aluminum Street Light 30' X-Base w/8' Arm & Hardware, HAPCO CAT #76630-001 or Approved Equal (See specifications <b>Attachment C</b> )	Each	12	\$ _____	\$ _____
	Brand and Item Number: _____		Delivery Date ARO: _____		
3.	Poles, Aluminum Street Light 40' X-Base w/12' Arm & Hardware, HAPCO CAT #76640-001 or Approved Equal (See specifications <b>Attachment C</b> )	Each	14	\$ _____	\$ _____
	Brand and Item Number: _____		Delivery Date ARO: _____		

**TAXES:** All bid prices shall exclude taxes. The City will pay any applicable taxes due at the applicable tax rate based upon billing submitted by the Vendor. Taxes shall be shown as a separate line item on Vendor's invoices. The City is non-taxable on tangible goods.

Contractor Name: \_\_\_\_\_ Payment Terms: \_\_\_\_\_

Physical Address: \_\_\_\_\_

\_\_\_\_\_ F.O.B.: **DESTINATION**

\_\_\_\_\_ Delivery ARO: \_\_\_\_\_

Telephone No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_

Email Address: \_\_\_\_\_

Signed By: \_\_\_\_\_

Date: \_\_\_\_\_

Name Printed or Typed

\_\_\_\_\_

Signature

**AMENDMENTS:** BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING AMMENDMENTS:

AMENDMENT No. \_\_\_\_\_ Date \_\_\_\_\_ Initials: \_\_\_\_\_

AMENDMENT No. \_\_\_\_\_ Date \_\_\_\_\_ Initials: \_\_\_\_\_

AMENDMENT No. \_\_\_\_\_ Date \_\_\_\_\_ Initials: \_\_\_\_\_

AMENDMENT No. \_\_\_\_\_ Date \_\_\_\_\_ Initials: \_\_\_\_\_

AMENDMENT No. \_\_\_\_\_ Date \_\_\_\_\_ Initials: \_\_\_\_\_

AMENDMENT No. \_\_\_\_\_ Date \_\_\_\_\_ Initials: \_\_\_\_\_

Failure to acknowledge receipt as provided above may be sufficient grounds for disqualification of the bidder and rejection of his proposal. It shall be the contractor's responsibility to become fully advised of all addenda prior to submitting a bid.

**Bidder's Checklist of Submittal Documents**

- Bidders **MUST** include a Copy of their New Mexico Resident Business or New Mexico Resident Veteran's Business Certificate issued by the State Taxation and Revenue Dept. (if applicable), to qualify for application of the State Preference to the bid
- Cost Proposal, Page(s) 14
- Acknowledge Receipt of Amendments (if any), Page 15 (this page)
- Exceptions to Specifications, Page 16
- A current IRS Form W-9

**EXCEPTIONS TO SPECIFICATIONS**

**CITY OF GALLUP  
FORMAL BID NO. 1905**

IN THE INTEREST OF FAIRNESS AND SOUND BUSINESS PRACTICE, IT IS MANDATORY THAT YOU STATE ANY EXCEPTIONS TAKEN BY YOU TO OUR SPECIFICATIONS. PLEASE TO MAKE SURE YOU STATE ITEM NO.

IF YOUR BID DOES NOT MEET ALL OF OUR SPECIFICATIONS, YOU MUST SO STATE ON THE SPACES PROVIDED BELOW. ATTACH ADDITIONAL PAGES AS NECESSARY.

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IF YOUR BID DOES NOT MEET OUR SPECIFICATIONS, AND YOUR EXCEPTIONS ARE NOT LISTED ABOVE IN THE SPACES PROVIDED, THE CITY OF GALLUP MAY DISREGARD YOUR BID.

SIGNED: \_\_\_\_\_  
I DO MEET SPECIFICATIONS

\_\_\_\_\_  
I DO NOT MEET SPECIFICATIONS AS LISTED IN  
THIS BID; EXCEPTIONS ARE NOTED ABOVE

**(SIGN ONE OF THE ABOVE)**



# ATTACHMENT A

**Specification for  
15kV EPR Insulated, Jacketed  
URD Cable  
Stock Numbers**

**E-6203**

**E-6208**

**E-6209**

# SPECIFICATIONS FOR 15kV EPR INSULATED, JACKETED URD CABLE

## 1.0 SCOPE AND APPLICATION

- 1.1 This specification covers detail for furnishing medium voltage, jacketed, concentric neutral underground distribution power cable. The cable shall consist of one ethylene propylene rubber (EPR) insulated aluminum conductor, with helically applied copper concentric neutral conductors over the insulation shielding, and an overall jacket of black, linear low density polyethylene. The cable shall be 15kV rated – suitable for use on 7970/13800.
- 1.2 The cable shall be suitable for use in single and three phase, primary underground distribution system installed in conduit, underground duct, riser conduit, aerial where exposed to sunlight, and aerial where exposed to wet conditions.

## 2.0 COMPLIANCE WITH STANDARDS

All Cable shall be designed, manufactured and tested to meet all the requirements specified within the latest revision of the following:

- NEMA
- ICEA – NEMA standards for ethylene propylene rubber insulated cable
- AEIC for ethylene propylene rubber
- ANSI
- ASTM

## 3.0 GENERAL

Cable shall be designed and constructed so that it will operate at normal operating temperature of at least 90° maximum, emergency operating temperature of at least 130°C and short circuit operating temperature of at least 250°C.

<b>Cable Size</b>	<b>Neutral</b>
<i>#2</i>	<i>Full</i>
<i>4/0</i>	<i>1/3</i>
<i>500MCM</i>	<i>1/3</i>

#### **4.0 CABLE CONSTRUCTION**

- 4.1 The conductor shall be Class B, stranded compressed concentric round and meet ASTM B231. Conductors shall meet electrical resistance requirements of ICEA S-68-516. The conductor shield shall be a black, semi-conducting or stress grading material, extruded directly over the conductor. The conductor shield material shall be compatible with the conductor and thoroughly bonded to the overlying insulation. The conductor shield shall meet the requirement of ANSI/ICEA latest version.
- 4.2 The insulation shall be ethylene-propylene-rubber (EPR), a flexible thermosetting dielectric based on an ethylene propylene elastomer.
- 4.3 The insulation thickness shall be 220 mil as described in AEIC CS8-13. The minimum point shall be 0.210" and the maximum shall be 0.250".
- 4.4 The insulation shield shall be a black, semi-conducting thermosetting or stress control layer of polymeric material extruded directly over the surface of the insulation. The conductor shield material shall be compatible with the insulation and shall meet the physical requirements of ICEA S-94-649.
- 4.5 The insulation shield shall be readily distinguishable from the insulation and be legibly identified as semi-conducting or stress control layer by surface printing. Indent printing shall not be allowed.
- 4.6 The neutral wire shall be bare copper, evenly and helically wrapped directly over the insulation screen with a lay of 6 to 10 times diameter over the wires. The neutral wires shall be full or one-third (1/3) the current carrying capacity at the conductor.
- 4.7 The complete cable shall be covered by a black sun resistant linear low density polyethylene jacket with a minimum of two rip cords. Jacket shall be marked with a sequential footage indicator.

#### **5.0 REELS**

- 5.1 The maximum allowable reel size to be 48"x 84", maximum weight of 4800 lbs. The minimum diameter of the drum of the shipping reel shall not be less than prescribed in NEMA WC 26-2008.
- 5.2 The inner or drum end of the cable, when allowed to project through the flange of the reel shall be protected to avoid damage to the cable or seal.
- 5.3 Each end of the cable shall be firmly and properly secured to the reel. Care shall be taken to prevent looseness of reel cable. The cable end attached through the interior of the reel shall be fastened in such a manner that it

remains attached as the cable is dispensed from the reel and does not interfere with other reels or waste cable.

- 5.4 Watertight seals shall be applied to all cable ends to prevent entry of moisture during transit and outside storage.
- 5.5 Markings on Reels
  - 5.5.1 Durable label securely attached to a flange of the reel. The label shall indicate the purchasers name and address, purchase order number, cable description, shipping length of cable on reel, number, type and size of conductors, cable configuration, thickness and type of insulation, voltage rating, gross, tare and net weight.
  - 5.5.2 The recorded shipping length of multiple cable assemblies shall be the measured length after assembly.
  - 5.5.3 Durable number on the outside of the flange of the reel, either branded or the reel or stamped on metal tags permanently attached to the reel.
  - 5.5.4 Shipping reel shall be free of any information not pertaining to the order.
- 5.6 The cable shall be packaged in lengths specified by the City with a tolerance of -0%/+5%.

## **6.0 TESTS**

The following production test shall be performed on the cable and submitted to the utility in the form of Certified Test Reports

- 6.1 Production tests shall be performed in compliance with appropriate AEIC Specifications and ICEA Publication.
- 6.2 AC HV tests in accordance with part 6.27 of ICEA S68-516
- 6.3 Corona test shall be performed in accordance with procedures of AEIC CS-8-13 and X-Y recording graph will be furnished showing the partial discharge results.
- 6.4 Each insulated conductor in the completed cable shall be tested and shall meet the requirements of ANSI/ICEA except the test shall be performed on each shipping length.
- 6.5 This data shall be sent to the:

City of Gallup, Electric Department  
Attn: Eric Babcock, Acting Electric Utility Director  
PO Box 1270  
Gallup NM 87305

## **7.0 PACKING SEALING AND SHIPPING**

- 7.1 The cable shall be placed on the reels so that it will be protected from damage during shipment. Each end of the cable shall be firmly and properly

secured to the reel. Care shall be taken to prevent looseness of reeled cable.

- 7.2 There shall be no water in the completed cable when the reel is shipped. If the conductor shows evidence of slight corrosion and no pitting, then the manufacturer shall verify that the cable was dried prior to shipping. Each end of each length of cable shall be durably sealed before shipment to prevent entrance of moisture.
- 7.3 Each length of cable listed on the purchase order or detailed list shall be shipped on a separate reel, except where the purchaser specifies multiple or parallel cable assemblies.
- 7.4 The reels shall be lagged or covered with suitable material to provide physical protection for the cable during transit and during ordinary storage and handling operations.
- 7.5 Reels shall be shipped upright on their flanges from the manufacturing plant to the city.
- 7.6 All shipment 1900 Warehouse Lane, Gallup, New Mexico 87301.
- 7.7 Deliveries will be accepted on Monday through Friday between the hours of 8:00am-4:30pm. Please notify Municipal Warehouse at (505) 863-1214 24 hours prior to delivery.

## **8.0 WARRANTY**

All bidders shall submit a complete and detailed copy of the manufacturer's warranty. The warranty must state all manufactures conditions, limitations and disclaimers. Said warranty will be subject to review and/or negotiation. Minimum warranty shall be no less than forty-years (40yrs).

## **9.0 APPROVED MANUFACTURERS**

OKONITE

SOUTHWIRE

KERITE

GENERAL CABLE

PRYSMIAN

## **ATTACHMENT B**

### **Specification for Three Phase Pad Mount Wye Transformers**

#### **Stock Numbers**

**E-6130**

**E-6133**

**E-6134**

**E-6135**

**E-6136**

**E-6140**

**E-6142**

**E-6143**

**E-6153**

**E-6155**

## **SPECIFICATIONS FOR THREE PHASE PAD MOUNTED WYE DISTRIBUTION TRANSFORMER**

### **1.0 SCOPE AND APPLICATION**

This specification is applicable for the mechanical and electrical requirements for loop feed three phase dead front pad mounted, 60 Hertz, oil-filled, self-cooled distribution transformers in various KVA rating for use on an underground electric distribution system.

### **2.0 COMPLIANCE WITH STANDARDS**

All transformers shall be designed, manufactured and tested to meet all the requirements specified within the latest revision of the following ANSI and NEMA standards to include the 2010 Department of Energy standards. In the event that any of the referenced standards are shown to be contradictory, then the most stringent standard shall apply.

ANSI	C57.12.00	General requirements for liquid-immersed distribution, power and regulation transformers
ANSI	C57.12.26	Standards for pad mount compartmental-type transformers
ANSI	C57.12.28	Pad-mounted equipment enclosure integrity
ANSI	C57.12.90	Test code for liquid-immersed distribution, power and regulation transformers and guide for short-circuit testing of distribution and power transformers
ANSI	386 IEEE	Standard for Separable Insulated Connector for Power Distribution Systems above 600V

### **3.0 RATINGS**

- 3.1 All ratings shall be based on and not exceed a 65 °C winding temperature rise. The high voltage basic impulse insulation level (BIL) shall be 95 KV, low voltage BIL shall be minimum of 30 KV.
- 3.2 High Voltage: 13200/7620 Grounded WYE with 2-2½ % taps above and 2-2½ % taps below nominal.

- 3.3 Low Voltage: 208Y/120, 480Y/277 as requested in bid.
- 3.4 Size (KVA): 75, 150, 225, 300, 500, 750, 1000, 1500 as specified.

#### **4.0 DESIGN AND CONSTRUCTION**

- 4.1 The pad-mounted transformers shall consist of the transformer tank and high and low voltage-terminating compartments. The transformer tank and high and low voltage terminating compartments shall be assembled as an integral unit, tamper resistant and weatherproof for mounting on a pad.
- 4.2 Tank Construction, Accessories, and Finish
  - 4.2.1 The transformer shall be of all welded steel construction. All exterior welds are to be full welds. Spot, tack, or skip welds are not acceptable for attaching hinges, brackets, etc. There shall be no exposed screws, bolts or other fastening devices, other than a pentahead locking bolt, which are externally removable. The top shall be pitched to facilitate water runoff.
  - 4.2.2 Lifting provisions of adequate strength shall be arranged to provide for a suitable lift of complete transformer assembly when filled with oil.
  - 4.2.3 Unlocking the padlock and disengaging the pentahead bolt shall permit access to both the high and low voltage terminations when the compartment doors are opened. There shall be a steel barrier between the high voltage and low voltage compartments.

In addition to the regular locking provisions, all access doors shall be secured by a recessed, captive, pentahead bolt which threads into a nut with a blind hole. The dimensions of the pentahead bolt and non-rotating recess shall comply with "preferred method", Figure 11 of ANSI C57.12.26-1987. Each door shall be secured with a separate pentahead bolt.

- 4.2.4 Each latched door shall be latched at a minimum of three points. In addition to the three point latching a pentahead bolt shall be coordinated with the latch and padlock to prevent latching and insertion of the padlock into the hasp until the bolt head is essentially seated.



- 4.2.5 The tank finish shall be of high grade paints employing a controlled baking process that will insure a protective coating which is exceptionally serviceable in an area of direct sunlight. The color shall be olive green with a minimum thickness of 2.5 mils.
- 4.2.6 The transformer KVA rating, the primary voltage and the secondary voltage shall be clearly and permanently marked in yellow numerals on the front of the transformer.
- 4.2.7 The approximate total weight in pounds shall be shown on the name plate, the nameplate shall include the month and year of manufacture.
- 4.2.8 The exterior dimensions shall not exceed the following including cooling fins:

<u>KVA</u>	<u>Height</u>	<u>Width</u>	<u>Depth</u>	<u>Max Primary Max. Bushing Height</u>	<u>Secondary Bushing Height</u>
75-150	55"	66"	62"	30"	35"
225-500	55"	74"	78"	30"	35"
750	55"	80"	84"	40"	43"
1000	70"	85"	84"	40"	55"

### 4.3 Bushings and Terminals

- 4.3.1 The primary terminal arrangement shall be as specified in ANSI C57.12.26 for loop-feed operation with dimensions not to exceed those shown in figures 2 & 3. Load-break bushing wells will be oriented so that the elbows can be operated with a hot stick. The Xo terminal shall be bussed to the transformer ground pad with flexible copper strap.
- 4.3.2 The transformer shall be supplied with 15KV class removable clamped stud bushing wells and replaceable load break type bushing inserts. Studs shall be provided in the wells. Equivalent Elastimold or General Electric bushing wells and load break bushing inserts may be substituted.
- 4.3.3 The internal risers to the bushings shall allow replacement of bushing wells from the exterior of the tank.

- 4.3.4 The minimum current carrying capability of components for the loop primary cable system shall be 200 amperes (continuous) and 10,000 amperes symmetrical (momentary).
- 4.3.5 The low voltage terminals shall be arranged as per ANSI C57.12.26 figure 3&4 and shall be live front, externally clamped porcelain or polyester glass bushings with blade type terminals for vertical take-off (ANSI C57.12.22).
- 4.3.6 The low voltage neutral shall be a fully insulated bushing. A ground pad shall be provided on the outer surface of the tank. A removable ground strap suitably sized for the rating of the transformer shall be provided and connected between the low voltage neutral bushing and the ground pad.

#### 4.4 Overcurrent Protection

The primary fuses shall be oil-immersed, externally replaceable Cooper bayonet type. The fuse links shall be dual sensing Bay-O-Net equivalent in series with isolation link. The fuse holder shall be located so the eye will not touch the lid in any position. Stops to prevent rotation of the eye to the twelve o'clock position are not acceptable. An angled drip shield, extending not more than 5" from the transformer shall be provided under the bayonet fuses. No oil should drip on the bushing/elbow assembly.

#### 4.5 High and Low Voltage Compartment

4.5.1 The high and low voltage compartments shall comply with ANSI C57.12.26 latest revision.

4.5.2 The high voltage portion of the compartment shall contain the high voltage bushing wells and be provided with 6 cable accessory parking stands.

#### 4.6 Di-electric Oil

4.6.1 Transformers shall be furnished complete with oil which does not contain PCB's. A blue decal (approximately 2-½" x 3-½") with white letters shall be placed on the tank. The wording shall be "Filled with Non-PCB mineral oil" or "Filled with Non-PCB mineral oil at time of manufacture."

4.6.2 The vendor shall certify that the liquid di-electric or any component of the liquid di-electric is not listed in the latest and greatest Federal Register,

#### 4.7 Impedance

The percent impedance (%IZ) as measured at rated voltage connection, shall be as follows:

KVA	Impedance
75	1.10-5.75
150 - 300	1.4 – 5.75
500	1.70 – 5.75
750-1500	5.75

#### 4.8 Tap Changer

Transformers shall be provided with an externally operated “no load” tap changer having two 2-½% steps above and two 2-½% steps below the rated voltage. The tap changer will be set at the factory to the nominal tap. The switch handle shall be non-corrosive with a fastening device to prevent inadvertent operation. Switches that must not be operated while energized shall have a warning sign to this effect near the switch.

#### 4.9 Pressure Relief

4.9.1 The transformer shall be equipped with a self-actuating replaceable pressure relief device to relieve slow pressure build up that will automatically vent when pressure reaches  $10 \pm 2$  PSIG and release when pressure falls to 6 PSIG.

4.9.2 The body of the valve shall be brass, bronze, or stainless steel.

4.9.3 The venting port, on the outward side of the valve head seat shall be protected to prevent the entry of dust, moisture, and insects before and after the valve has actuated.

4.9.4 The device shall not have an indicating "pop-off" cover.

4.9.5 The device shall have a pull ring for manual or hot stick activation.

#### 4.10 Safety Labels

Bilingual English/Spanish WARNING and DANGER labels shall be applied in accordance with NEMA standards Publication Number 260 latest revision and shall be attached to the individual cabinets of pad mount transformers as follows:

4.10.1 A label "DANGER HIGH VOLTAGE" shall be mounted inside of the compartment and centered on the face of the transformer so that it is visible when the door is in the open position.

4.10.2 An 8"X10" non-fading and non-peeling material WARNING label "DANGER HIGH VOLTAGE" shall be mounted on the outside of the latched door and centered on the door

## **5.0 QUALITY ASSURANCE**

Transformers shall be tested in accordance with Paragraph 4.2 and Section 5 of ANSI C57.12.26, latest revision. Also, the impulse tests specified in ANSI C57.12.00 shall be made on all transformers.

## **6.0 CERTIFIED TEST REPORTS AND DATA REQUIRED**

At the time of delivery, the vendor shall provide a certified test report for all transformers in a given order, indicating the actual loss data for each unit delivered. The certified test reports shall be mailed directly to:

Engineering Technician  
Gallup Joint Utilities  
PO Box 1270 Gallup NM 87301  
[mjoe@gallupnm.gov](mailto:mjoe@gallupnm.gov)

## **7.0 BID EVALUATION**

7.1 The vendor shall state all exceptions to these specifications. If no exceptions, vendor shall so state. Vendors shall submit as part of the bid an outline drawing showing the physical dimensions, weight, and location of accessories, nameplate, and connection diagrams. Bids received without drawings or loss data will be non-conforming and will not be considered.

7.2 All bidders shall supply No Load, Load and Total losses reported in watts with the bid documents. No load losses shall be reported at 20 °C. The value for load losses shall be corrected to 85 °C.

## **8.0 DEVIATIONS TO SPECIFICATIONS**

Vendors quoting transformers that deviate in any way from the City of Gallup specification shall indicate such by letter. This data shall be sent to the City of Gallup at P.O. Box 1270, Gallup, NM 87305. Attention Frances Rodriguez Purchasing Director. [fr Rodriguez@gallupnm.gov](mailto:fr Rodriguez@gallupnm.gov). The City of Gallup will evaluate the deviation(s) and determine in writing whether the deviation(s) are accepted or declined.

**9.0 PACKAGING AND SHIPPING**

Each transformer shall be fastened to skids or to a two-way entry, disposable pallet of the vendors own design. Pallets must be of such dimensions as to provide two inch (2") clearance of the transformer at its widest outside measurements, on all four sides. Skids or pallets must provide a minimum of 3-½ inches of fork under clearance.

**10.0 WARRANTY**

The vendor shall guarantee the transformers for a period of 18 months from date of delivery or 12 months from date of installation that all equipment covered by this agreement is to be free from defects in material and workmanship. Any defective units discovered or identified during this period will be replaced or repaired by the vendor at no cost to the Gallup Joint Utilities.

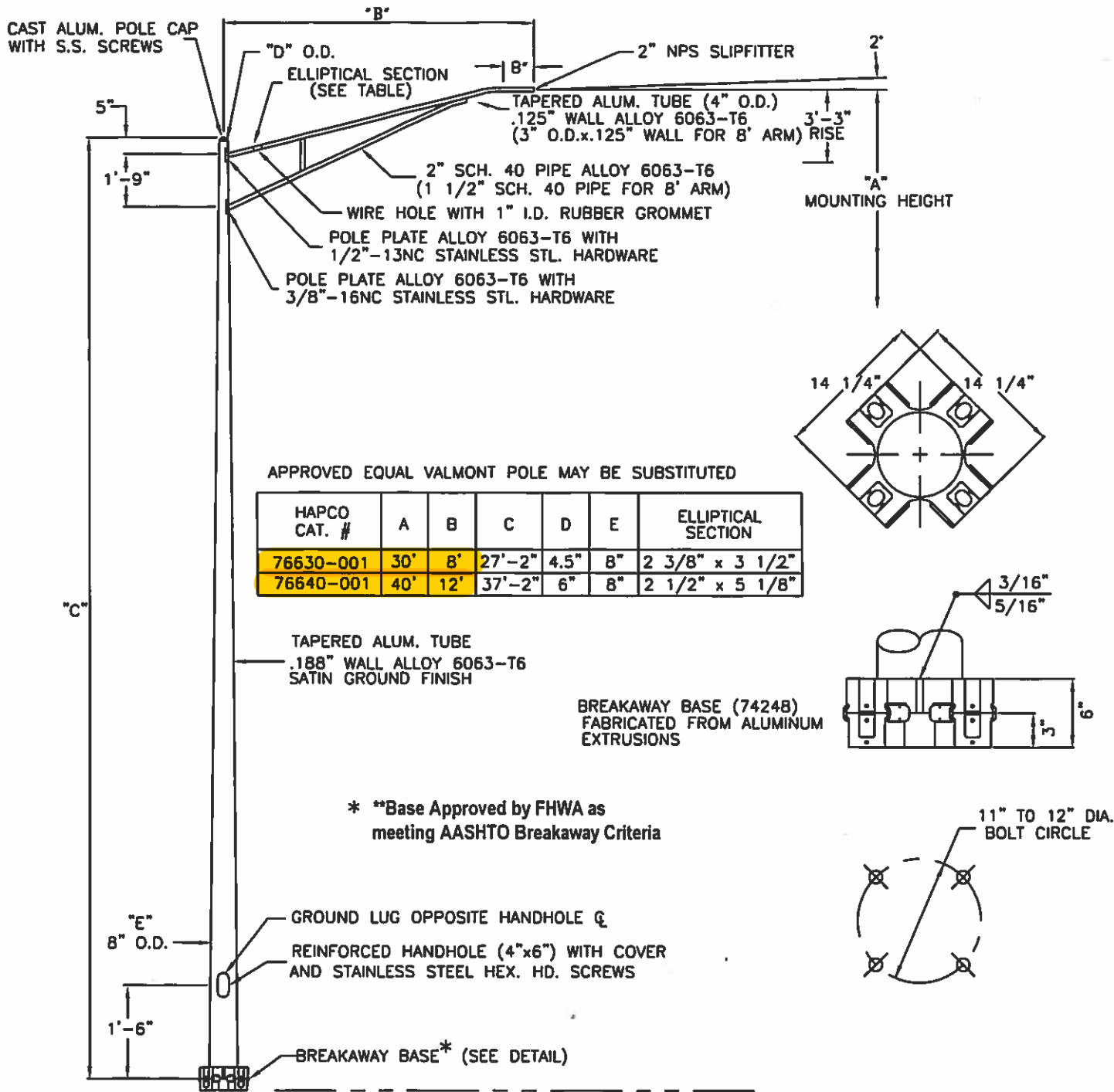
**11.0 APPROVED MANUFACTURERS**

- Cooper
- ABB
- General Electric
- Ermco
- Howard

**TABLE 1 THREE PHASE PADMOUNT TRANSFORMERS BAY-O-NET AND ISOLATION LINK SIZES (COOPER PART NUMBERS INDICATED)**

KVA RATINGS	BAY-O-NET FUSE	ISOLATION LINK
75	4000358C05	3001861A02M
150	4000358C08	3001861A03M
225	4000358C10	3001861A05M
300	4000358C10	3001861A05M
500	4000358C12	3001861A06M
750	4000358C14	3001861A07M

1000	4000358C14	3001861A07M
1500	4000358C18	3001861A07M



BREAKAWAY BASE (74248)  
FABRICATED FROM ALUMINUM  
EXTRUSIONS

- (4) 1"-8NC GALV. STL. HEX. NUTS
- (4) 1" GALV. STL. LOCKWASHERS
- (4) 1" GALV. STL. FLATWASHERS

NOTE SCREW IN ANCHOR MUST BE USED FOR INSTALLATION.



GALLUP  
JOINT  
UTILITIES

DATE: 01/31/19  
DRAWN BY: A.G.W.  
APR'D BY: M.J.  
SCALE: N.T.S.

TITLE:  
30' & 40' MOUNTING HEIGHT  
STREET LIGHTING POLES

REVISIONS	
BY:	DATE:
S.C.	01/31/19

STANDARD No.  
12-30-1  
PAGE:  
1 OF 1

30', E5841 / 40', E5842