

## **RFP #9070 SCOPE OF WORK**

### **Supply of Steel, Concrete, and Aggregate Street Light Poles Denton Municipal Electric (DME) / City of Denton, Texas**

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#### **1. Project Overview**

The purpose of this solicitation is to request qualified vendors to supply steel, concrete, and aggregate street light poles for use by Denton Municipal Electric (DME) and the City of Denton.

This solicitation is for materials only and does not include installation services.

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#### **2. Scope of Supply**

The vendor shall furnish and deliver street light poles and associated components, including but not limited to:

- Steel, concrete, and aggregate/composite street light poles
- Embedded pole systems with ground sleeves (where specified)
- Breakaway base systems (including ATB1-17 or approved equal or breakaway base couplings where specified)
- Mounting arms (single and dual configurations)
- Simplex attachments and associated hardware
- Handholes, covers, and accessories

All materials shall be delivered to designated City of Denton or DME facilities or job sites as directed.

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#### **3. Standard Pole Specifications (Bid Line Items)**

Vendors shall provide pricing for each of the following configurations:

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##### **A. Denton Arterial – Single Arm (Embedded)**

- 35' Mounting Height

- Min. 11 GA steel, tapered steel pole
  - 90 MPH Wind Load
  - Single 8' Arm with upsweep, Simplex mounting
  - Embedded with Ground Sleeve
  - Galvanized + Powder Coated
  - Color matched to existing Denton steel streetlight poles (RAL 7043 Traffic Gray)
  - Bearing plates (for anti-twist)
  - Pre-drilled 1-1/2" wireway holes in base
  - Hand-hole with gasket and cover above groundline
  - Removable pole cap
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#### **B. Denton Arterial – Dual Arm (Embedded)**

- 35' Mounting Height
  - Min. 11 GA steel, tapered steel pole
  - 90 MPH Wind Load
  - Double 8' Arms with upsweep, 180 degrees apart, Simplex mounting
  - Embedded with Ground Sleeve
  - Galvanized + Powder Coated
  - Color matched to existing Denton steel streetlight poles (RAL 7043 Traffic Gray)
  - Bearing plates (for anti-twist)
  - Pre-drilled 1-1/2" wireway holes in base
  - Hand-hole with gasket and cover above groundline
  - Removable pole cap
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#### **C. Denton Arterial – Single Arm (Breakaway)**

- 35' Mounting Height
  - Min. 11 GA steel, tapered steel pole
  - 90 MPH Wind Load
  - Galvanized + Powder Coated
  - Color matched to existing Denton steel streetlight poles (RAL 7043 Traffic Gray)
  - Hand-hole with gasket and cover above groundline
  - Removable pole cap
  - Single 8' Arm with upsweep, Simplex mounting
  - Breakaway base with couplings and skirt
  - Couplings: 3/4", 1", or 1-1/4" (vendor to specify)
  - AASHTO-compliant breakaway documentation required
  - 12-1/2" bolt circle on base plate
  - 1" x 36" x 4" anchor bolts or longer, galvanized and threaded
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#### **D. Denton Arterial – Dual Arm (Breakaway)**

- 35' Mounting Height
- Min. 11 GA steel, tapered steel pole
- 90 MPH Wind Load
- Galvanized + Powder Coated
- Color matched to existing Denton steel streetlight poles (RAL 7043 Traffic Gray)
- Hand-hole with gasket and cover above groundline
- Removable pole cap
- Double 8' Arms with upsweep, 180 degrees apart, Simplex mounting
- Breakaway base with couplings and skirt
- Couplings: 3/4", 1", or 1-1/4" (vendor to specify)
- AASHTO-compliant breakaway documentation required

- 12-1/2” bolt circle on base plate
  - 1” x 36” x 4” anchor bolts or longer, galvanized and threaded
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#### **E. Denton Residential**

- 20’ Mounting Height
  - 4” square, min. 11 GA steel, straight steel pole
  - 90 MPH Wind Load
  - Foundation mounted with Couplings and Skirt
  - Galvanized + Powder Coated
  - Color matched to Gardco Dark Gray
  - Hand-hole with gasket and cover above groundline
  - 8” bolt circle on base plate
  - 3/4” x 17” x 3” anchor bolts or longer, galvanized and threaded
  - Drilled and tapped for Gardco OptiForm Small (OPF-S) luminaire standard arm configuration (not mast arm).
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#### **F. Denton Bridge Lighting (Breakaway – ATB1-17)**

- 35’ Mounting Height
- Min. 11 GA steel, tapered steel pole
- 90 MPH Wind Load
- Galvanized + Powder Coated
- Color matched to existing Denton steel streetlight poles (RAL 7043 Traffic Gray)
- Hand-hole with gasket and cover above groundline
- Removable pole cap
- Single 8’ arm with upsweep, Simplex mounting
- 12-1/2” bolt circle on pole base plate (where attaching to ATB1-17 breakaway base)

- ATB1-17 Breakaway Base (or approved equal)
  - AASHTO-compliant breakaway documentation required
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#### **G. Denton 35' Concrete (Embedded)**

- 35' Mounting Height
  - Square, tapered concrete pole, 7000 PSI strength or better
  - 140 MPH Wind Load
  - Single 8' Arm with upsweep, Simplex mounting
  - Embedded
  - White color
  - Internal conduit wireways
  - Prestressed or spun concrete construction
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#### **H. Denton 20' Decorative Concrete (Embedded)**

- 20' Mounting Height
  - Octagonal, tapered concrete pole, 7000 PSI strength or better (Waterford Style)
  - 140 MPH Wind Load
  - Tenon top, 2-3/8" Outer Diameter (for post-top luminaires)
  - Embedded
  - Internal conduit wireways
  - Exposed aggregate concrete construction
  - Standard color: San Jacinto Brown
  - Prestressed or spun concrete construction
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## **I. Optional Decorative / Specialty Poles (If Applicable)**

- Heights and configurations per request
  - Architectural or decorative finishes
  - Color per City of Denton standards
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### **Note:**

**All configurations (A–I) shall be quoted for:**

- Steel poles
  - Concrete poles
  - Aggregate/composite poles (if applicable)
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## **E. Compatibility Requirements**

**All poles shall be:**

- Compatible with simplex arm attachments
  - Designed for specified arm lengths (4'–8')
  - **Compatible with:**
    - Cobra head luminaires (roadway)
    - Post-top decorative fixtures (residential)
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## **4. General Material Specifications**

### **Steel Poles**

- Hot-dip galvanized per ASTM A123
- Designed per AASHTO
- Welds per AWS standards

## **General Requirements**

- Shop drawings required prior to fabrication
  - All required hardware included
  - Product data sheets
  - Shop drawings
  - Structural calculations (if requested)
  - Finish/color samples (decorative poles)
  - Compliance documentation
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## **5. Quality Assurance**

- Materials must be defect-free and structurally compliant
  - Manufacturer must have municipal/utility experience
  - Certification of compliance required
  - City/DME reserves the right to inspect materials
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## **6. Delivery Requirements**

- Delivery to City of Denton or designated sites
  - Coordination with DME required
  - Proper packaging to prevent damage
  - Vendor must provide lead times
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## **7. Warranty**

- Manufacturer's warranty for defects in materials and workmanship
- Minimum 10 years (or standard)

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## **8. Vendor Qualifications**

- Experience supplying municipal street light poles
  - Proven compliance with specifications
  - References required
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## **9. Pricing Proposal**

Vendors shall provide:

- Unit pricing for each pole type (A-I)
  - Pricing by material type (steel, concrete, composite)
  - Pricing for arms, breakaway bases, sleeves, and accessories
  - Delivery/shipping costs
  - Volume discounts
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## **10. Submittals**

- Company profile
  - Product specifications and shop drawings
  - Breakaway system documentation
  - Pricing sheet
  - Delivery schedule
  - References
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## **11. Evaluation Criteria**

**Proposals will be evaluated using a weighted scoring system:**

### **A. Lead Times and Delivery – 40%**

- Manufacturing and delivery lead times

- Ability to meet required schedules
  - Supply chain reliability
  - Past delivery performance
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**B. Cost – 30%**

- Unit pricing across all pole types
  - Material pricing (steel, concrete, composite)
  - Overall competitiveness
  - Completeness of pricing
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**C. Experience and Qualifications – 30%**

- Municipal/utility project experience
  - Compliance with AASHTO standards
  - References
  - Vendor reliability and performance history
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**The City of Denton and Denton Municipal Electric reserve the right to:**

- Reject any or all proposals
  - Request clarifications or additional information
  - Award based on best value, not solely lowest cost
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