

**BID FORM**

MISSOURI DEPARTMENT OF TRANSPORTATION  
GENERAL SERVICES  
P.O. BOX 270  
JEFFERSON CITY, MO 65102

REQUEST NO.	2-140311KH
DATE	February 20, 2014

SEALED BIDS, SUBJECT TO THE ATTACHED CONDITIONS WILL BE RECEIVED AT THIS OFFICE UNTIL

**2:00 PM, Local Time, March 11, 2014**

AND THEN PUBLICLY OPENED AND READ FOR FURNISHING THE FOLLOWING SUPPLIES OR SERVICES.

**BID TO BE BASED F.O.B. MISSOURI DEPARTMENT OF TRANSPORTATION**

Submit net bid as cash discount stipulations will not be considered

Various District Locations

**BUYER:** Kristi Hixson

**BUYER TELEPHONE:** (573) 526-1975

**SUPPLIES OR SERVICES**

This document constitutes a Request for Bid (RFB), and solicits competitive sealed bids from qualified bidders to provide **Traffic Lighting Parts**. The issuance of this RFB in no way constitutes a commitment to award a contract or to pay any costs incurred in preparation of a response to this request.

*\*\*\*NOTE: It is the responsibility of the Bidder to access MoDOT's website in order to obtain any and all addenda(s) issued during the course of this RFB process.*

**All questions regarding this RFB shall be submitted to the RFB Coordinator/Contact.**

(SEE ATTACHED FOR CONDITIONS AND INSTRUCTIONS)

*In compliance with the above invitation for bids, and subject to all conditions thereof, the undersigned bidder agrees to furnish and deliver any or all the items on which prices were bid within the timeframe specified herein after receipt of formal purchase order.*

**Date:** \_\_\_\_\_  
**Telephone No.:** \_\_\_\_\_  
**Fax No.:** \_\_\_\_\_  
**Email Address:** \_\_\_\_\_

**Firm Name:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**By (Signature):** \_\_\_\_\_  
**Type/Print Name** \_\_\_\_\_  
**Title:** \_\_\_\_\_

## 1. Introduction

- 1.1 This solicitation seeks bids from qualified organizations to provide Traffic Lighting Parts throughout the state of Missouri with an effective contract period of Date of Award through March 31, 2015 to the Missouri Highways and Transportation Commission (MHTC) and Missouri Department of Transportation (MoDOT).
- 1.2 In the event the contractor requests a price increase during the contract period, the contractor must provide a written request and documentation justifying the need for a price increase, and the amount of such price increase. MoDOT will review the contractor's written request and documentation for a price increase, and decide if a price increase is to be granted at that particular time. The contractor shall understand and agree that MoDOT's decision shall be final and without recourse.
  - a. No price increase shall be granted during the first 6 months of the original contract period.
  - b. In the event a price increase is granted due to an approved escalation, the renewal percentage shall be based upon the current contract value.

## 2. Specification

- 2.1 All products shall conform to the latest revision of Section 1091 of the Missouri Standard Specifications for Highway Construction and the Missouri Standard Plans for Highway Construction. *See Appendix A.*
- 2.2 Unless otherwise specified herein, only items on the latest revision of the Missouri Department of Transportation Approved Products List for Traffic Signals and Highway Lighting Equipment will be accepted. *See Appendix B.*
- 2.3 *See Appendix C* for specification for Sign Lighting Fixture Specifications.
- 2.4 *If a category is not on the Approved Products List, specifications shall be submitted to compare with MoDOT specifications.*

## 3. Quantities

- 3.1 No estimated quantities are included as a part of this bid. MoDOT does not guarantee any quantities to be purchased from this contract. Items will be ordered by the districts on an as needed, if needed basis.

## 4. Delivery

- 4.1 All products must be received at the specified destination within 30-45 calendar days after the issue date of the purchase order.
- 4.2 Poles must be received at the specified destination within 90 calendar days after the issue date of the purchase order.
- 4.3 Failure to deliver equipment in the specified delivery time will give the Commission, at its discretion, the right to cancel the remainder of the contract without being considered in breach of contract and without any additional payment to the bidder.

## 5. Liquidated Damages

- 5.1 In the event the successful Contractor fails to deliver within the time specified, the Department and the public will sustain damages because of such delay in delivery, the exact extent of which would be difficult to ascertain, and in order to liquidate such damage in advance it is agreed that the **sum of ten percent (10%) per day, per order**, for each assessable calendar day on which the delivery has not been completed, is reasonable and the best estimate which the parties can arrive at as liquidated damages, and it is therefore agreed that said amount will be withheld from payments due the Contractor or otherwise collected from the Contractor as liquidated damages. **Liquidated damages are not to exceed eighty percent (80%) of the value of the total order.**
- 5.2 **Saturdays, Sundays, holidays and days whereas the Department has suspended work** shall not be assessable days.
- 5.3 The assessment of liquidated damages is at the discretion of the receiving district.



## PRICING PAGES

The bidder shall provide a firm, fixed price on the attached pricing pages for providing the deliverables in accordance with the provisions and requirements specified herein. All costs associated with providing the required deliverables shall be included in the prices stated within.

***TO BE CONSIDERED RESPONSIVE FOR A GROUP, PRICING MUST BE SUBMITTED ON ALL ITEMS WITHIN A GROUP.***

**NOTE:**

MoDOT has made some changes that have eliminated the stocking of large inventories of items at our various locations. As a result, we are moving more to a just in time delivery on many of our contracts. For that reason, the attached request for bid document does not include any estimated quantity information as we have done in the past. Orders will be placed by our districts on an as needed, if needed basis throughout the course of the contract.

# VENDOR INFORMATION & PREFERENCE CERTIFICATION FORM

## Vendor Information

All bidders must furnish **ALL** applicable information requested below

Vendor Name/Mailing Address:  Email Address:	Vendor Contact Information (including area codes): Phone #: Cellular #: Fax #:									
Printed Name of Responsible Officer or Employee:	Signature:									
For Corporations - State in which incorporated:	For Others - State of domicile:									
If the address listed in the Vendor Name/Mailing Address block above is not located in the State of Missouri, list the address of Missouri offices or places of business:  If additional space is required, please attach an additional sheet and identify it as <b><u>Addresses of Missouri Offices or Places of Business</u></b> .										
<b>M/WBE INFORMATION:</b> List all certified Minority or Women Business Enterprises ( <b>M/WBE</b> ) utilized in the fulfillment of this bid. Include <u>percentages</u> for subcontractors and identify the M/WBE certifying agency.  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; width: 33%;"><u>M/WBE Name</u></th> <th style="text-align: center; width: 33%;"><u>Percentage of Contract</u></th> <th style="text-align: center; width: 33%;"><u>M/WBE Certifying Agency</u></th> </tr> </thead> <tbody> <tr> <td>_____</td> <td>_____</td> <td>_____</td> </tr> <tr> <td>_____</td> <td>_____</td> <td>_____</td> </tr> </tbody> </table> If additional space is required, please attach an additional sheet and identify it as <b><u>M/WBE Information</u></b> .		<u>M/WBE Name</u>	<u>Percentage of Contract</u>	<u>M/WBE Certifying Agency</u>	_____	_____	_____	_____	_____	_____
<u>M/WBE Name</u>	<u>Percentage of Contract</u>	<u>M/WBE Certifying Agency</u>								
_____	_____	_____								
_____	_____	_____								

## Preference Certification

All bidders must furnish **ALL** applicable information requested below

<b><u>GOODS/PRODUCTS MANUFACTURED OR PRODUCED IN USA:</u></b> If any or all of the goods or products offered in the attached bid which the bidder proposes to supply to the MHTC are <b>not</b> manufactured or produced in the "United States", or imported in accordance with a qualifying treaty, law, agreement, or regulation, list below, by item or item number, the country other than the United States where each good or product is manufactured or produced.	
Item (or item number)	Location Where Item is Manufactured or Produced
If additional space is required, please attach an additional sheet and identify it as <b><u>Location Products are Manufactured or Produced</u></b> .	
<b><u>MISSOURI SERVICE-DISABLED VETERAN BUSINESS:</u></b> Please complete the following if applicable. Additional information may be requested if preference is applicable. See below definitions for qualification criteria:  <b>Service-Disabled Veteran</b> is defined as any individual who is disabled as certified by the appropriate federal agency responsible for the administration of veterans' affairs.  <b>Service-Disabled Veteran Business</b> is defined as a business concern: <ol style="list-style-type: none"> <li>a. Not less than fifty-one (51) percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than fifty-one (51) percent of the stock of which is owned by one or more service-disabled veterans; and</li> <li>b. The management and daily business operations of which are controlled by one or more service-disabled veterans.</li> </ol>	
<u>Veteran Information</u>	<u>Business Information</u>
Service-Disabled Veteran's Name (Please Print)	Service-Disabled Veteran Business Name
Service-Disabled Veteran's Signature	Missouri Address of Service Disabled Veteran Business

**COOPERATIVE AGREEMENT NOTICE**

The Department is interested in assisting Missouri governmental entities, etc. in purchasing equipment, various materials and supplies that meet the Highway and Transportation Department specifications.

Each bidder is asked to indicate below whether they would be willing to offer **Traffic Lighting Parts** listed in the attached "Request for Bid" for sale to these local political entities at the same bid price offered to this Department.

It is understood the Department will not issue purchase orders, accept delivery nor make payment for these items ordered by any of these agencies. It is further understood the price is based on the **Traffic Lighting Parts** meeting the Department specifications. Any added options, deletions, or extra freight costs would be negotiated between the local agency and the successful vendor.

Indicate below whether your company is willing to offer such cooperative purchasing for Missouri counties, cities or other political entities.

YES \_\_\_\_\_

NO \_\_\_\_\_

If the price varies throughout the state on Department bids because of different delivery destinations, please indicate the price f.o.b. your location that would be offered as described.

F.O.B. Location \_\_\_\_\_

Indicate the deadline date that orders will be accepted. \_\_\_\_\_

COMPANY NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

PHONE NUMBER \_\_\_\_\_

SIGNATURE \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

(Each vendor should complete the appropriate sections of their form and submit with their bid.)

Missouri Highways and Transportation Commission  
**Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions**

**STANDARD SOLICITATION PROVISIONS**

- a. The solicitation for the procurement of the supplies referenced therein, to which these "Standard Bid Provisions, General Terms and Conditions and Special Terms and Conditions" are attached, is being issued under, and governed by, the provisions of Title 7 – Missouri Department of Transportation, Division 10 – Missouri Highways and Transportation Commission, Chapter 11 – Procurement of Supplies, of the Code of State Regulations. The Missouri Highways and Transportation Commission (**MHTC**), acting by and through its operating arm, the Missouri Department of Transportation (**MoDOT**), draws the Bidder's attention to said 7 CSR 10-11 for all the provisions governing solicitation and receipt of bids and the award of the contract pursuant to this solicitation.
- b. All bids must be signed with the firm name and by a responsible officer or employee. Obligations assumed by such signature must be fulfilled.

**GENERAL TERMS AND CONDITIONS**

**Definitions**

Capitalized terms as well as other terms used but not defined herein shall have the meaning assigned to them in section 7 CSR 10-11.010 Definition of Terms.

**Nondiscrimination**

- a. The Contractor shall comply with all state and federal statutes applicable to the Contractor relating to nondiscrimination, including, but not limited to, Chapter 213, RSMo; Title VI and Title VII of Civil Rights Act of 1964 as amended (42 U.S.C. Sections 2000d and 2000e, *et seq.*); and with any provision of the "Americans with Disabilities Act" (42 U.S.C. Section 12101, *et seq.*).
- b. **Sanctions for Noncompliance:** In the event of the Contractor's noncompliance with the nondiscrimination provisions of this contract, MHTC shall impose such contract sanctions as it or the Federal Highway Administration may determine to be appropriate, including, but not limited to:
  - i. withholding of payments to the Contractor under the contract until the Contractor complies, and/or,
  - ii. cancellation, termination or suspension of the contract, in whole or in part.

**Contract/Purchase Order**

- a. By submitting a bid/quote, the Bidder agrees to furnish any and all equipment, supplies and/or services specified in the solicitation documents, at the prices quoted, pursuant to all requirements and specifications contained therein.
- b. A binding contract shall consist of: (1) the solicitation documents, amendments thereto, and/or Best and Final Offer (BAFO) request(s) with any changes/additions, (2) the Contractor's bid response, and (3) the MHTC's acceptance of the bid by post-award contract or purchase order.
- c. A notice of award does not constitute an authorization for shipment of equipment or supplies or a directive to proceed with services. Before providing equipment, supplies and/or services, the Contractor must receive a properly authorized notice to proceed and/or purchase order.

**Applicable Laws and Regulations**

- a. The contract shall be construed according to the laws of the State of Missouri. The Contractor shall comply with all local, state, and federal laws and regulations related to the performance of the contract. The exclusive venue for any legal proceeding relating to or arising, out of the contract shall be in the Circuit Court of Cole County, Missouri.
- b. The Contractor must be registered and maintain good standing with the Secretary of State of the State of Missouri, Missouri Department of Revenue, and other regulatory agencies, as may be required by law or regulations. Prior to the issuance of a purchase order and/or notice to proceed, the Contractor may be required to submit to MHTC a copy of their current Authority Certificate from the Secretary of State of the State of Missouri and/or a copy of their Certificate of No Tax Due from the Missouri Department of Revenue.
- c. Prior to the issuance of a purchase order and/or notice to proceed, all **out-of-state** Contractors **providing services** within the state of Missouri must submit to MHTC a copy of their current Transient Employer Certificate from the Missouri Department of Revenue, in addition to a copy of their current Authority Certificate from the Secretary of State of the State of Missouri.

**Executive Order**

The Contractor shall comply with all the provisions of Executive Order 07-13, issued by the Honorable Matt Blunt, Governor of Missouri, on the sixth (6<sup>th</sup>) day of March, 2007. This Executive Order, which promulgates the State of Missouri's position to not tolerate persons who contract with the state engaging in or supporting illegal activities of employing individuals who are not eligible to work in the United States, is incorporated herein by reference and made a part of this Agreement.

- 1) "By signing this Agreement, the Contractor hereby certifies that any employee of the Contractor assigned to perform services under the contract is eligible and authorized to work in the United States in compliance with federal law."
- 2) In the event the Contractor fails to comply with the provisions of the Executive Order 07-13, or in the event the Commission has reasonable cause to believe that the contractor has knowingly employed individuals who are not eligible to work in the United States in violation of federal law, the Commission reserves the right to impose such contract sanctions as it may determine to be appropriate, including but not limited to contract cancellation, termination or suspension in whole or in part or both.
- 3) The Contractor shall include the provisions of this paragraph in every subcontract. The Contractor shall take such action with respect to any subcontract as the Commission may direct as a means of enforcing such provisions, including sanctions for noncompliance.

Standard Bid/Proposal Provisions, General Terms and Conditions and Special Terms and Conditions

**Preferences**

- a. In the evaluation of bids, preferences shall be applied in accordance with 7 CSR 10-11.020(7). Contractors should apply the same preferences in selecting subcontractors. The attached document entitled “**VENDOR INFORMATION AND PREFERENCE CERTIFICATION FORM**” must be completed and returned with the solicitation documents.
- b. Bidders are encouraged to obtain minority business enterprise (MBE) and women business enterprise (WBE) participation in this work through the use of subcontractors, suppliers, joint ventures, or other arrangements that afford meaningful participation for MWBEs. Bidders are encouraged to obtain 10% MBE and 5% WBE participation.

**Cancellation of Contract**

The MHTC may cancel the Contract at any time for a material breach of contractual obligations or for convenience by providing Contractor with written notice of cancellation. Should the MHTC exercise its right to cancel the contract for such reasons, cancellation will become effective upon the date specified in the notice of cancellation sent to the Contractor.

**Bankruptcy or Insolvency**

Upon filing for any bankruptcy or insolvency proceeding by or against the Contractor, whether voluntarily, or upon the appointment of a receiver, trustee, or assignee, for the benefit of creditors, the Commission reserves the right and sole discretion to either cancel the Agreement or affirm the Agreement and hold the Contractor responsible for damages.

**Warranty**

The Contractor expressly warrants that all equipment, supplies, and/or services provided shall: (1) conform to each and every specification, drawing, sample or other description which was furnished to or adopted by the MHTC, (2) be fit and sufficient for the purpose expressed in the solicitation documents, (3) be merchantable, (4) be of good materials and workmanship, and (5) be free from defect.

**Status of Independent Contractor**

The Contractor represents itself to be an independent Contractor offering such services to the general public and shall not represent itself or its employees to be an employee of the MHTC. Therefore, the Contractor shall assume all legal and financial responsibility for taxes, FICA, employee fringe benefits, workers' compensation, employee insurance, minimum wage requirements, overtime, etc., and agrees to indemnify, save and hold the MHTC, its officers, agents and employees harmless from and against any and all losses (including attorney fees) and damage of any kind related to such matters.

**Non-Waiver**

If one of the parties agrees to waive its right to enforce any term of this Contract, that party does not waive its right to enforce such term at any other time or to enforce any or all other terms of this Contract.

**Indemnification**

The Contractor shall defend, indemnify and hold harmless MHTC, including its members and department employees, from any claim or liability whether based on a claim for damages to real or personal property or to a person for any matter relating to or arising out of the Contractor's performance of its obligations under the contract awarded pursuant to this solicitation.

## TRAFFIC LIGHTING EQUIPMENT LIST LAMPS

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>	<u>Rated Life Hours</u>
150 Watt (55 volt) High Pressure Sodium Lamps (Mogul Base, Clear)	_____	_____	_____
150 Watt (100 volt) High Pressure Sodium Lamps (Mogul Base, Clear)	_____	_____	_____
150 Watt (55 volt) High Pressure Sodium Lamps (Medium Base, Clear)	_____	_____	_____
250 Watt High Pressure Sodium Lamps (Mogul Base, Clear)	_____	_____	_____
400 Watt High Pressure Sodium Lamps (Mogul Base, Clear)	_____	_____	_____
1000 Watt High Pressure Sodium Lamps (Mogul Base, Clear)	_____	_____	_____
400 Watt Metal Halide Lamps (Mogul Base, Clear)	_____	_____	_____
1000 Watt Metal Halide Lamps (Mogul Base, Clear)	_____	_____	_____

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

## TRAFFIC LIGHTING EQUIPMENT LIST LUMINAIRES

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
150 Watt (Multi-Tap) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	_____	_____
250 Watt (Multi-Tap) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	_____	_____
400 Watt (Multi-Tap) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	_____	_____
150 Watt (480 volt) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	_____	_____
250 Watt (480 volt) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	_____	_____
400 Watt (480 volt) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	_____	_____
Time-Delay Photo Cell (120 volt)	_____	_____
Time-Delay Photo Cell (120/240 volt)	_____	_____
Time-Delay Photo Cell (240 volt)	_____	_____
Time-Delay Photo Cell (480 volt)	_____	_____
Socket for Photo Cell	_____	_____

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

## TRAFFIC LIGHTING EQUIPMENT LIST WIRE AND CONDUIT

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
#6 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor; BLACK on 500' Wooden Spool	_____	_____
#8 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor; BLACK on 500' Wooden Spool	_____	_____
#10 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor; WHITE on 500' Wooden Spools	_____	_____
#10 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor; BLACK on 500' Wooden Spool	_____	_____
#2 AWG THHN/THWN2, Stranded Copper, Single Conductor, BLACK on 500' Wooden Spool	_____	_____
#2 AWG XHHW-2, Stranded Copper, Single Conductor BLACK on 500' Wooden Spool	_____	_____
#6 AWG Solid Copper Conductor, Bare, on 500' Wooden Spool	_____	_____
#6 AWG Stranded Copper Conductor, Bare, on 500' Wooden Spool	_____	_____
#2 Cable, 1-1/4" Cable Conduit; Three #2 AWG Underground Stranded Copper Conductors; One Bare, Two Insulated, on 500' Wooden Spool	_____	_____
#6 Cable, 1" Cable Conduit; Three # 6 AWG Underground Stranded Copper Conductors; One Bare, Two Insulated, on 500' Wooden Spool	_____	_____
Fused Slip Connector	_____	_____
KTK-R-5 Fast Acting Fuses (or equiv.) (provide specifications)	_____	_____

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

**TRAFFIC LIGHTING EQUIPMENT LIST  
TYPE AT GALVANIZED STEEL POLES AND BRACKET ARMS**

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Approved Drawing Number</u>
<b>Type AT Galvanized Steel Poles, 45' Mounting Height</b>		
AT-45 Design 1 (50')	_____	_____
AT-45 Design 2 (45')	_____	_____
AT-45 Design 3 (40')	_____	_____
AT-45 Design 4 (35')	_____	_____
AT-45 Design 5 (30')	_____	_____
<b>Type AT Galvanized Steel Poles, 30' Mounting Height</b>		
AT-30	_____	_____
<b>Type AT-30 with 18" Rise – Trussed. <u>Must include all attaching and mounting hardware.</u></b>		
4 Foot	_____	_____
6 Foot	_____	_____
8 Foot	_____	_____
10 Foot	_____	_____
12 Foot	_____	_____
15 Foot	_____	_____
<b>Type AT-30 with 18" Rise – Single. <u>Must include all attaching and mounting hardware.</u></b>		
4 Foot	_____	_____
6 Foot	_____	_____
<b>Type AT-45 with 5'-6" Rise. <u>Must include all attaching and mounting hardware.</u></b>		
6 Foot - Single	_____	_____
15 Foot - Truss	_____	_____

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

**TRAFFIC LIGHTING EQUIPMENT LIST  
CIRCULAR STEEL FOUNDATIONS**

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<b><u>Item</u></b>	<b><u>Manufacturer</u></b>	<b><u>Catalog Number/Drawing Number</u></b>
--------------------	----------------------------	---

*Must include all hardware for mounting to transforming bases.*

Type AT-30 Circular Steel Foundation  
30' Mounting Height  
(Standard Plans 901.00)

7 Foot	_____	_____
--------	-------	-------

Type AT-45 Circular Steel Foundation  
45' Mounting Height  
(Standard Plans 901.01)

Design 1 (10')	_____	_____
----------------	-------	-------

Design 2 & 3 (9')	_____	_____
-------------------	-------	-------

Design 4 & 5 (8')	_____	_____
-------------------	-------	-------

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

**TRAFFIC LIGHTING EQUIPMENT LIST  
SCREW ANCHOR FOUNDATIONS**

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<b><u>Item</u></b>	<b><u>Manufacturer</u></b>	<b><u>Catalog Number/Drawing Number</u></b>
--------------------	----------------------------	---

*Must include all hardware for mounting to transforming bases.*

Type AT-30 Screw Anchor Foundation  
30' Mounting Height  
(Standard Plans 901.00)

5 Foot	-----	-----
--------	-------	-------

Type AT-45 Screw Anchor Foundation  
45' Mounting Height  
(Standard Plans 901.01)

7 Foot	-----	-----
--------	-------	-------

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

**TRAFFIC LIGHTING EQUIPMENT LIST  
TRANSFORMER BASES**

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
<i>Must include all hardware for mounting to lighting poles.</i>		
45' Mounting Height TB3-17H Akron Foundry	-----	-----
30' Mounting Height TB1-17H Akron Foundry	-----	-----

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

## TRAFFIC LIGHTING EQUIPMENT LIST CONTROL EQUIPMENT

The following list shall be completed and returned with the bid. Equipment shall meet Missouri's Standard Specifications for Highway Construction and Approved Products List. Equipment shall be agreed to and approved prior to the contract award. All delivered equipment shall be the products listed below.

<u>Item</u>	<u>Manufacturer</u>	<u>Catalog Number</u>
Meter Service Pedestal– 120V Signal (Signal only)	_____	_____
Meter Service Pedestal– 120V Signal with 2-circuit 240V Lighting (Signal & Lighting)	_____	_____
Meter Service Pedestal– 120V Signal with 2-circuit 240V Lighting Dual Meter (Signal & Lighting)	_____	_____
Meter Service Pedestal– 2-circuit 240V Lighting (Lighting only)	_____	_____
Meter Service Pedestal– 4-circuit 480V Lighting (Lighting only)	_____	_____

Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_

**\*\*\*DOUBLE CHECK YOUR INFORMATION ENTERED ON THIS FORM FOR ACCURACY\*\*\***

**Group 1**

Unit	Description of Parts - Lamps	UNIT PRICE
Ea.	150 Watt (55 volt) High Pressure Sodium Lamps (Mogul Base, Clear)	
Ea.	150 Watt (100 volt) High Pressure Sodium Lamps (Mogul Base, Clear)	
Ea.	150 Watt (55 volt) High Pressure Sodium Lamps (Medium Base, Clear)	
Ea.	250 Watt High Pressure Sodium Lamps (Mogul Base, Clear)	
Ea.	400 Watt High Pressure Sodium Lamps (Mogul Base, Clear)	
Ea.	1000 Watt High Pressure Sodium Lamps (Mogul Base, Clear)	
Ea.	400 Watt Metal Halide Lamps (Mogul Base, Clear)	
Ea.	1000 Watt Metal Halide Lamps (Mogul Base, Clear)	
	<b>TOTAL</b>	

**Group 2**

Unit	Description of Parts - Luminaires	UNIT PRICE
Ea.	150 Watt (Multi Tap) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	
Ea.	250 Watt (Multi Tap) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	
Ea.	400 Watt (Multi Tap) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	
Ea.	150 Watt (480 volt) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	
Ea.	250 Watt (480 volt) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	
Ea.	400 Watt (480 volt) High Pressure Sodium Luminaire Type 3 Distribution, Copper Windings, Glass Lenses (w/out Photo Cell Base)	
Ea.	Time-Delay Photo Cell (120 volt)	
Ea.	Time-Delay Photo Cell (120/240 volt)	
Ea.	Time-Delay Photo Cell (240 volt)	
Ea.	Time-Delay Photo Cell (480 volt)	
Ea.	Socket for Photo Cell	
	<b>TOTAL</b>	

Company \_\_\_\_\_ Signature \_\_\_\_\_

**Group 3**

Unit	Description of Parts - Wire and Conduit	UNIT PRICE
Spool	#6 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor	
	BLACK on 500' Wooden Spools	
Spool	#8 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor	
	BLACK on 500' Wooden Spools	
Spool	#10 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor	
	WHITE on 500' Wooden Spools	
Spool	#10 AWG XLP\USE Pole & Bracket Wire, Stranded Copper, Single Conductor	
	BLACK on 500' Wooden Spools	
Spool	# 2 AWG THHN/THWN2, Stranded Copper, Single Conductor	
	BLACK on 500' Wooden Spools	
Spool	# 2 AWG XHHW-2, Stranded Copper, Single Conductor	
	BLACK on 500' Wooden Spools	
Spool	# 6 AWG Solid Copper Conductor, Bare, on 500' Wooden Spool	
Spool	# 6 AWG Stranded Copper Conductor, Bare, on 500' Wooden Spool	
Spool	# 2 Cable, 1-1\4" Cable Conduit	
	Three # 2 AWG Underground Stranded Copper Conductors	
	One Bare, Two Insulated, on 500' Wooden Spools	
Spool	# 6 Cable, 1" Cable Conduit	
	Three # 6 AWG Underground Stranded Copper Conductors	
	One Bare, Two Insulated, on 500' Wooden Spools	
Ea.	Fused Slip Connector	
Ea.	KTK-R-5 Fast Acting Fuses or equivalent (provide specifications)	
	<b>TOTAL</b>	

Company \_\_\_\_\_ Signature \_\_\_\_\_

**Group 4**

Unit	Description of Parts - Type AT Galvanized Steel Poles & Bracket Arms	UNIT PRICE
	<b>Type AT Galvanized Steel Poles for 45' Mounting Height.</b>	
Ea.	AT- 45 Design 1 (50')	
Ea.	AT- 45 Design 2 (45')	
Ea.	AT- 45 Design 3 (40')	
Ea.	AT- 45 Design 4 (35')	
Ea.	AT- 45 Design 5 (30')	
	<b>Type AT Galvanized Steel Poles for 30' Mounting Height.</b>	
Ea.	AT- 30	
	<b>Type AT-30 with 18" Rise. <u>Must include all attaching and mounting hardware.</u></b>	
	<b>Trussed:</b>	
Ea.	4 foot	
Ea.	6 foot	
Ea.	8 foot	
Ea.	10 foot	
Ea.	12 foot	
Ea.	15 foot	
	<b>Type AT-30 with 18" Rise. <u>Must include all attaching and mounting hardware.</u></b>	
	<b>Single:</b>	
Ea.	4 foot	
Ea.	6 foot	
	<b>Type AT-45 with 5'-6" Rise. <u>Must include all attaching and mounting hardware.</u></b>	
Ea.	6 foot (single)	
Ea.	15 foot (truss)	
	<b>TOTAL</b>	

Company \_\_\_\_\_ Signature \_\_\_\_\_

**Group 5**

Unit	Description of Parts - Circular Steel Foundations	UNIT PRICE
	<i>Include all hardware for mounting to transformer bases.</i>	
	<b>Type AT-30 Circular Steel Foundations -- 30' Mounting Height</b>	
	See Standard Plans 901.00	
Ea.	7 Foot	
	<b>Type AT-45 Circular Steel Foundations -- 45' Mounting Height</b>	
	See Standard Plans 901.01	
Ea.	Design 1 (10')	
Ea.	Design 2 & 3 (9')	
Ea.	Design 4 & 5 (8')	
	<b>TOTAL</b>	

**Group 6**

Unit	Description of Parts -Screw Anchor Foundations	UNIT PRICE
	<i>Include all hardware for mounting to transformer bases.</i>	
	<b>Type AT-30 Screw Anchor Foundations -- 30' Mounting Height</b>	
	See Standard Plans 901.00	
Ea.	5 Foot	
	<b>Type AT-45 Screw Anchor Foundations -- 45' Mounting Height</b>	
	See Standard Plans 901.01	
Ea.	7 Foot	
	<b>TOTAL</b>	

**Total for Groups 5 & 6** \_\_\_\_\_

**Group 7**

Unit	Description of Parts - Transformer Bases	UNIT PRICE
	<i>Include all hardware for mounting to lighting poles.</i>	
Ea.	45' Mounting Height	
	TB3-17H Akron Foundry	
Ea.	30' Mounting Height	
	TB1-17H Akron Foundry	
	<b>TOTAL</b>	

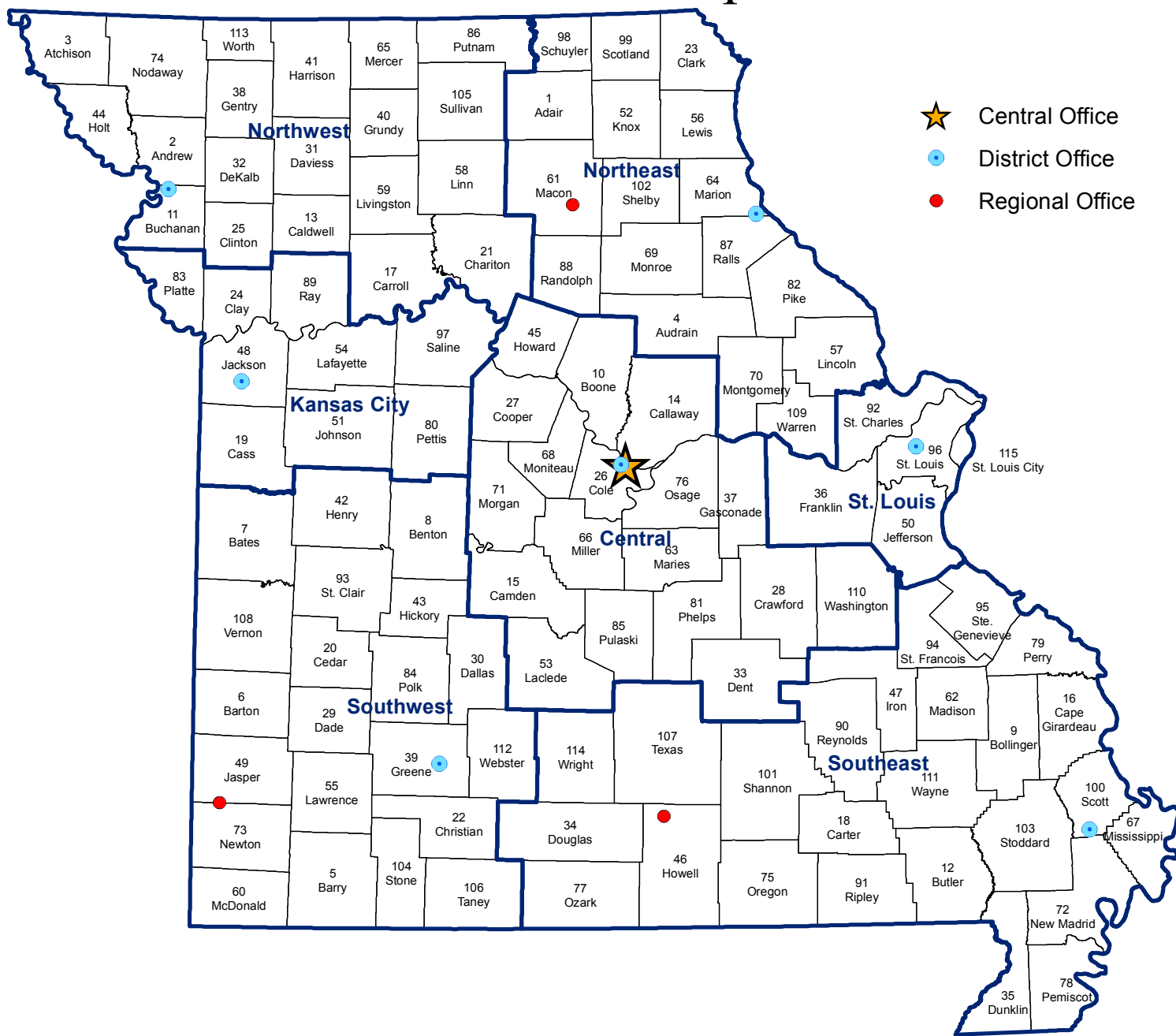
Company \_\_\_\_\_ Signature \_\_\_\_\_

**Group 8**

Unit	Description of Parts - Control Equipment	UNIT PRICE
Ea.	Meter Service Pedestal - 120 Volt Signal (Signal Only)	
Ea.	Meter Service Pedestal - 120 Volt Signal w/ 2-circuit 240 Volt Lighting	
	(Signal & Lighting)	
Ea.	Meter Service Pedestal - 120 Volt Signal w/ 2-circuit 240 Volt Lighting	
	Dual Meter (Signal & Lighting)	
Ea.	Meter Service Pedestal 2-circuit 240 Volt Lighting (Lighting Only)	
Ea.	Meter Service Pedestal 4-circuit 480 Volt Lighting (Lighting Only)	
	<b>TOTAL</b>	

Company \_\_\_\_\_ Signature \_\_\_\_\_

# Missouri Department of Transportation District Map



County	No. Dist.	County	No. Dist.	County	No. Dist.	County	No. Dist.	County	No. Dist.	County	No. Dist.						
Adair	1	NE	Chariton	21	NW	Harrison	41	NW	Macon	61	NE	Phelps	81	C	Shannon	101	SE
Andrew	2	NW	Christian	22	SW	Henry	42	SW	Madison	62	SE	Pike	82	NE	Shelby	102	NE
Atchison	3	NW	Clark	23	NE	Hickory	43	SW	Maries	63	C	Platte	83	KC	Stoddard	103	SE
Audrian	4	NE	Clay	24	KC	Holt	44	NW	Marion	64	NE	Polk	84	SW	Stone	104	SW
Barry	5	SW	Clinton	25	NW	Howard	45	C	Mercer	65	NW	Pulaski	85	C	Sullivan	105	NW
Barton	6	SW	Cole	26	C	Howell	46	SE	Miller	66	C	Putnam	86	NW	Taney	106	SW
Bates	7	SW	Cooper	27	C	Iron	47	SE	Mississippi	67	SE	Ralls	87	NE	Texas	107	SE
Benton	8	SW	Crawford	28	C	Jackson	48	KC	Moniteau	68	C	Randolph	88	NE	Vernon	108	SW
Bollinger	9	SE	Dade	29	SW	Jasper	49	SW	Monroe	69	NE	Ray	89	KC	Warren	109	NE
Boone	10	C	Dallas	30	SW	Jefferson	50	SL	Montgomery	70	NE	Reynolds	90	SE	Washington	110	C
Buchanan	11	NW	Davies	31	NW	Johnson	51	KC	Morgan	71	C	Ripley	91	SE	Wayne	111	SE
Butler	12	SE	DeKalb	32	NW	Knox	52	NE	New Madrid	72	SE	St. Charles	92	SL	Webster	112	SW
Caldwell	13	NW	Dent	33	C	Laclede	53	C	Newton	73	SW	St. Clair	93	SW	Worth	113	NW
Callaway	14	C	Douglas	34	SE	Lafayette	54	KC	Nodaway	74	NW	St. Francois	94	SE	Wright	114	SE
Camden	15	C	Dunklin	35	SE	Lawrence	55	SW	Oregon	75	SE	Ste. Genevieve	95	SE	St. Louis City	115	SL
Cape Girardeau	16	SE	Franklin	36	SL	Lewis	56	NE	Ozark	77	SE	St. Louis	96	SL			
Carroll	17	NW	Gasconade	37	C	Lincoln	57	NE	Pemiscot	78	SE	Saline	97	KC			
Carter	18	SE	Gentry	38	NW	Linn	58	NW	Perry	79	SE	Schuyler	98	NE			
Cass	19	KC	Greene	39	SW	Livingston	59	NW	Pettis	80	KC	Scotland	99	NE			
Cedar	20	SW	Grundy	40	NW	McDonald	60	SW				Scott	100	SE			

