



LEXINGTON

Lexington-Fayette Urban County Government Lexington, Kentucky Horse Capital of the World

Division of Procurement

Date of Issue: March 3, 2026

INVITATION TO BID #25-2026 Traffic Signal Maintenance Supplemental

Bid Opening Date: March 17, 2026 **Bid Opening Time:** 2:00 PM
Address: All bids must be submitted on line at <https://lexingtonky.ionwave.net/>
Type of Bid: Price Contract

Pre Bid Meeting: N/A **Pre Bid Time:** N/A
Address: N/A

Sealed bids will ONLY be received online at <https://lexingtonky.ionwave.net/> until **2:00 PM**, prevailing local time on **03/17/2026**. Bids must be submitted/uploaded by the above-mentioned date and time.

Bids are to include all shipping, handling and associated fees to the point of delivery (unless otherwise specified in the bid documents below) located at: Lexington, KY

****No bonds are requested for this bid. However, a performance bond shall be provided for any purchase orders over \$50,000.00****

****If you bid on Bid 138-2024 please do not resubmit****

Check One:		Proposed Delivery:
<input checked="" type="checkbox"/> Bid Specifications Met	<input type="checkbox"/> Exceptions to Bid Specifications. <i>Exceptions shall be itemized and attached to bid proposal submitted.</i>	N/A days after acceptance of bid.
<p>Procurement Card Usage—The Lexington-Fayette Urban County Government may be using Procurement Cards to purchase goods and services and also to make payments. Will you accept Procurement Cards? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

To expedite award, the forms in this document should be completed and uploaded with your bid.

Submitted by: Stansell Electric Company, Inc.
Firm Name
860 Visco Drive

Address
Nashville, TN 37210

City, State & Zip

Bid must be signed: 
DocuSigned by: 4AF12D3802334A8
Signature of Authorized Company Representative – Title

Robert P. Elliott, President

Representative's Name (Typed or printed)
615-329-4944 **615-320-5236**

Area Code - Phone - Extension Fax #
reliott@stansellelectric.com
E-Mail Address

The Affidavit in this bid must be completed before your firm can be considered for award of this contract.

AFFIDAVIT

Comes the Affiant, Robert P. Elliott, and after being first duly sworn under penalty of perjury as follows:

1. His/her name is Robert P. Elliott and he/she is the individual submitting the bid or is the authorized representative of Stansell Electric Company, Inc. the entity submitting the bid (hereinafter referred to as "Bidder")
2. Bidder will pay all taxes and fees, which are owed to the Lexington-Fayette Urban County Government at the time the bid is submitted, prior to award of the contract and will maintain a "current" status in regard to those taxes and fees during the life of the contract.
3. Bidder will obtain a Lexington-Fayette Urban County Government business license, if applicable, prior to award of the contract.
4. Bidder has authorized the Division of Procurement to verify the above-mentioned information with the Division of Revenue and to disclose to the Urban County Council that taxes and/or fees are delinquent or that a business license has not been obtained.
5. Bidder has not knowingly violated any provision of the campaign finance laws of the Commonwealth of Kentucky within the past five (5) years and the award of a contract to the Bidder will not violate any provision of the campaign finance laws of the Commonwealth.
6. Bidder has not knowingly violated any provision of Chapter 25 of the Lexington-Fayette Urban County Government Code of Ordinances, known as "Ethics Act."
7. Bidder acknowledges that "knowingly" for purposes of this Affidavit means, with respect to conduct or to circumstances described by a statute or ordinance defining an offense, that a person is aware or should have been aware that his conduct is of that nature or that the circumstance exists.
8. Bidder will comply with all registration requirements as a contractor where required by Section 5-85 of the Code of Ordinances of the Lexington-Fayette Urban County Government. Bidder will utilize as subcontractors on the contract only contractors who are registered as required by Section 5-85 of the Code of Ordinances. Bidder will maintain a "current" status with regard to all contractor registration requirements during the life of the contract and will ensure that all subcontractors maintain a "current" status with regard to all contractor registration requirements during the life of the contract. Bidder has authorized the Division of Procurement to verify the registration of Bidder and Bidder's subcontractors with the Division of Building Inspection.

Further, Affiant sayeth naught.

DocuSigned by:

4AB12D3802334A8

STATE OF Tennessee

COUNTY OF Davidson

The foregoing instrument was subscribed, sworn to and acknowledged before me by Robert P. Elliott on this the 23rd day of March, 2026

My Commission Expires February 27, 2029

My Commission expires: _____


NOTARY PUBLIC, STATE AT LARGE
Jade Henry, Notary Public - State of Tennessee



Please refer to Section II. Bid Conditions, Item "U" prior to completing this form.

I. GREEN PROCUREMENT

A. ENERGY

The Lexington-Fayette Urban County Government is committed to protecting our environment and being fiscally responsible to our citizens.

The Lexington-Fayette Urban County Government mandates the use of Energy Star compliant products if they are available in the marketplace (go to www.Energystar.gov). If these products are available, but not submitted in your pricing, your bid will be rejected as non-compliant.

ENERGY STAR is a government program that offers businesses and consumers energy-efficient solutions, making it easy to save money while protecting the environment for future generations.

Key Benefits

- These products use 25 to 50% less energy
- Reduced energy costs without compromising quality or performance
- Reduced air pollution because fewer fossil fuels are burned
- Significant return on investment
- Extended product life and decreased maintenance

B. GREEN SEAL CERTIFIED PRODUCTS

The Lexington-Fayette Urban County Government is also committed to using other environmentally friendly products that do not negatively impact our environment. Green Seal is a non-profit organization devoted to environmental standard setting, product certification, and public education.

Go to www.Greenseal.org to find available certified products. These products will have a reduced impact on the environment and on human health. The products to be used must be pre-approved by the LFUCG prior to commencement of any work in any LFUCG facility. If a Green Seal product is not available, the LFUCG must provide a signed waiver to use an alternate product. Please provide information on the Green Seal products being used with your bid response.

C. GREEN COMMUNITY

The Lexington-Fayette Urban County Government (LFUCG) serves as a principal, along with the University of Kentucky and Fayette County Public Schools, in the Bluegrass Partnership for a Green Community. The Purchasing Team component of the Partnership collaborates on economy of scale purchasing that promotes and enhances environmental initiatives. Specifically, when applicable, each principal is interested in obtaining best value products and/or services which promote environment initiatives via solicitations and awards from the other principals.

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other principals of the Bluegrass Partnership for a Green Community (i.e. University of Kentucky and Fayette County Schools) if requested?

Yes N/A No N/A **Stansell Electric is willing to discuss the use of the same product/service pricing with other principals and agencies. Some costs may vary across region or agency and will need to be reviewed prior to agreement.**

D. COOPERATIVE CONTRACT

If your company is the successful bidder on this Invitation For Bid, do you agree to extend the same product/service pricing to the other government entities if requested?

Yes N/A No N/A **Stansell Electric is willing to discuss the use of the same product/service pricing with other principals and agencies. Some costs may vary across region or agency and will need to be reviewed prior to agreement.**

II. Bid Conditions

- A. No bid may be withdrawn for a period of sixty (60) days after the date and time set for opening.
- B. No bid may be altered after the date and time set for opening. In the case of obvious errors, the Division of Procurement may permit the withdrawal of a bid. The decision as to whether a bid may be withdrawn shall be that of the Division of Procurement.
- C. Acceptance of this proposal shall be enactment of an Ordinance by the Urban County Council.
- D. The bidder agrees that the Urban County Government reserves the right to reject any and all bids for either fiscal or technical reasons, and to award each part of the bid separately, all parts to one vendor or all parts to multiple vendors.
- E. Minor exceptions may not eliminate the bidder. The decision as to whether any exception is minor shall be entirely that of the head of the requisitioning Department or Division and the Director of the Division of Procurement. The Urban County Government may waive technicalities and informalities where such waiver would best serve the interests of the Urban County Government.
- F. Manufacturer's catalogue numbers, trade names, etc., where shown herein are for descriptive purposes and are to guide the bidder in interpreting the standard of quality, design, and performance desired, and shall not be construed to exclude proposals based on furnishing other types of materials and/or services. However, any substitution or departure proposed by the bidder must be clearly noted and described; otherwise, it will be assumed that the bidder intends to supply items specifically mentioned in this Invitation for Bids.
- G. The Urban County Government may require demonstrations of the materials proposed herein prior to acceptance of this proposal.
- H. Bids must be submitted on this form and must be signed by the bidder or his authorized representative. Unsigned bids will not be considered.
- I. Bids must be submitted prior to the date and time indicated for opening. Bids submitted after this time will not be considered.
- J. All bids mailed must be submitted in the Ion Wave online portal at <https://lexingtonky.ionwave.net/>
- K. Bidder is requested to show both unit prices and lot prices. In the event of error, the unit price shall prevail.
- L. A certified check or Bid Bond in the amount of XX percent of the bid price must be attached hereto. This check must be made payable to the Lexington-Fayette Urban County Government, and will be returned when the material and/or services specified herein have been delivered in accordance with specifications. In the event of failure to perform within the time period set forth in this bid, it is agreed the certified check may be cashed and the funds retained by the Lexington-Fayette Urban County Government as liquidated damages. Checks of unsuccessful bidders will be returned when the bid has been awarded.
- M. The delivery dates specified by bidder may be a factor in the determination of the successful bidder.
- N. Tabulations of bids received may be mailed to bidders. Bidders requesting tabulations must enclose a stamped, self-addressed envelope with the bid.
- O. The Lexington-Fayette Urban County Government is exempt from Kentucky Sales Tax and Federal Excise Tax on materials purchased from this bid invitation. Materials purchased by the bidder for construction projects are not tax exempt and are the sole responsibility of the bidder.
- P. All material furnished hereunder must be in full compliance with OSHA regulations.
- Q. If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected.
- R. Signature on the face of this bid by the Bidder or his authorized representative shall be construed as acceptance of and compliance with all terms and conditions contained herein.

- S. The Entity (regardless of whether construction contractor, non-construction contractor or supplier) agrees to provide equal opportunity in employment for all qualified persons, to prohibit discrimination in employment because of race, color, religion, sex (including pregnancy, sexual orientation or gender identity), national origin, disability, age, genetic information, political affiliation, or veteran status.
- T. The Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) requires that any county, city, town, school district, water district, hospital district, or other political subdivision of the state shall include in directly or indirectly publicly funded contracts for supplies, materials, services, or equipment hereinafter entered into the following provisions:

During the performance of this contract, the contractor agrees as follows:

- (1) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, age or national origin;*
- (2) The contractor will state in all solicitations or advertisements for employees placed by or on behalf of the contractors that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, age or national origin;*
- (3) The contractor will post notices in conspicuous places, available to employees and applicants for employment, setting forth the provisions of the non-discrimination clauses required by this section; and*
- (4) The contractor will send a notice to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding advising the labor union or workers' representative of the contractor's commitments under the nondiscrimination clauses.*

The contractor is required to comply to the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560 to KRS 45.640)

- U. Any party, firm or individual submitting a proposal pursuant to this invitation must be in compliance with the requirements of the Lexington-Fayette Urban County Government regarding taxes and fees before they can be considered for award of this invitation and must maintain a "current" status with regard to those taxes and fees throughout the term of the contract. The contractor must be in compliance with Chapter 13 from the Code of Ordinances of the Lexington-Fayette Urban County Government. The contractor must be in compliance with Ordinance 35-2000 pursuant to contractor registration with the Division of Building Inspection. If applicable, said business must have a Fayette County business license.

Pursuant to KRS 45A.343 and KRS 45A.345, the contractor shall

- (1) Reveal any final determination of a violation by the contractor within the previous five year period pursuant to KRS Chapters 136 (corporation and utility taxes), 139 (sales and use taxes), 141 (income taxes), 337 (wages and hours), 338 (occupational safety and health of employees), 341 (unemployment and compensation) and 342 (labor and human rights) that apply to the contractor; and*
- (2) Be in continuous compliance with the above-mentioned KRS provisions that apply to the contractor for the duration of the contract.*

A contractor's failure to reveal the above or to comply with such provisions for the duration of the contract shall be grounds for cancellation of the contract and disqualification of the contractor from eligibility for future contracts for a period of two (2) years.

- V. Vendors who respond to this invitation have the right to file a notice of contention associated with the bid process or to file a notice of appeal of the recommendation made by the Director of Procurement resulting from this invitation.

Notice of contention with the bid process must be filed within 3 business days of the bid/proposal opening by (1) sending a written notice, including sufficient documentation to support contention, to the Director of the Division of Procurement or (2) submitting a written request for a meeting with the Director of

Procurement to explain his/her contention with the bid process. After consulting with the Commissioner of Finance the Chief Administrative Officer and reviewing the documentation and/or hearing the vendor, the Director of Procurement shall promptly respond in writing findings as to the compliance with bid processes. If, based on this review, a bid process irregularity is deemed to have occurred the Director of Procurement will consult with the Commissioner of Finance, the Chief Administrative Officer and the Department of Law as to the appropriate remedy.

Notice of appeal of a bid recommendation must be filed within 3 business days of the bid recommendation by (1) sending a written notice, including sufficient documentation to support appeal, to the Director, Division of Procurement or (2) submitting a written request for a meeting with the Director of Procurement to explain his appeal. After reviewing the documentation and/or hearing the vendor and consulting with the Commissioner of Finance and the Chief Administrative Officer, the Director of Procurement shall in writing, affirm or withdraw the recommendation.

III. Procurement Contract Bid Conditions

- A. This contract expires on November 14, 2027 and may be canceled by either party thirty (30) days after delivery by canceling party of written notice of intent to cancel to the other contracting party.
- B. Price Changes **(Space Checked Applies)**
 - (XXX)1. Prices quoted in response to the Invitation shall be firm prices for the first 90 days of the Procurement Contract. After 90 days, prices may be subject to revision and such changes shall be based on general industry changes. Revision may be either increases or decreases and may be requested by either party. There will be no more than one (1) price adjustment per quarter. Requests for price changes shall be received in writing at least twenty (20) days prior to the effective date and are subject to written acceptance before becoming effective. Proof of the validity of a request for revision shall be responsibility of the requesting party. The Lexington-Fayette Urban County Government shall receive the benefit of any decline that the seller shall offer his other accounts.
 - () 2. No provision for price change is made herein. Prices are to be firm for the term of this contract.
 - () 3. See bid specifications.
- C. If any contract item is not available from the vendor, the Lexington-Fayette Urban County Government, at its option, may permit the item to be back-ordered or may procure the item on the open market.
- D. All invoices must bear reference to the Lexington-Fayette Urban County Government Purchasing document numbers which are being billed.
- E. This contract may be canceled by the Lexington-Fayette Urban County Government if it is determined that the Bidder has failed to perform under the terms of this agreement, such cancellation to be effective upon receipt of written notice of cancellation by the Bidder.
- F. No substitutions for articles specified herein may be made without prior approval of the Division of Procurement.

EQUAL OPPORTUNITY AGREEMENT

Standard Title VI Assurance

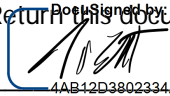
The Lexington Fayette-Urban County Government, (hereinafter referred to as the "Recipient") hereby agrees that as a condition to receiving any Federal financial assistance from the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78Stat.252, 42 U.S.C. 2000d-4 (hereinafter referred to as the "Act"), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, (49 CFR, Part 21) Nondiscrimination in Federally Assisted Program of the Department of Transportation – Effectuation of Title VI of the Civil Rights Act of 1964 (hereinafter referred to as the "Regulations") and other pertinent directives, no person in the United States shall, on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, or disability be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which the Recipient receives Federal financial assistance from the U.S. Department of Transportation, including the Federal Highway Administration, and hereby gives assurance that will promptly take any necessary measures to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the Regulations.

The Law

- Title VII of the Civil Rights Act of 1964 (amended 1972) states that it is unlawful for an employer to discriminate in employment because of race, color, religion, sex, age (40-70 years) or national origin.
- Section 503 of the Rehabilitation Act of 1973 states: *The Contractor will not discriminate against any employee or applicant for employment because of physical or mental disability.*
- Section 2012 of the Vietnam Era Veterans Readjustment Act of 1973 requires Affirmative Action on behalf of disabled veterans and veterans of the Vietnam Era by contractors having Federal contracts.

The Lexington-Fayette Urban County Government practices Equal Opportunity in recruiting, hiring and promoting. In following this commitment to Equal Employment Opportunity and because the Government is the benefactor of the Federal funds, it is both against the Urban County Government policy and illegal for the Government to let contracts to companies which practice discrimination in their employment practices. Violation of the above mentioned ordinances may cause a contract to be canceled and the contractors may be declared ineligible for future consideration.

Please sign this statement in the appropriate space acknowledging that you have read and understand the provisions contained herein. Return this document as part of your application packet.



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Signature

Robert P. Elliott, President

Stansell Electric Company, Inc.

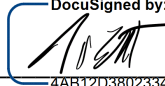
Name of Business

GENERAL PROVISIONS OF BID CONTRACT

By signing the below, bidder acknowledges that it understands and agrees with the following provisions related to its bid response and the provision of any goods or services to LFUCG upon selection by LFUCG pursuant to the bid request:

1. Bidder shall comply with all Federal, State & Local regulations concerning this type of service or good. All applicable state laws, ordinances and resolutions (including but not limited to Section 2-33 (Discrimination due to sexual orientation or gender identity) and Chapter 13 (Licenses and Regulations) of the Lexington-Fayette Urban County Government Code of Ordinances, and the regulations of all authorities having jurisdiction over the project shall apply to the contract, and shall be deemed to be incorporated herein by reference.
2. Failure to submit ALL forms and information required by LFUCG may be grounds for disqualification.
3. Addenda: All addenda and IonWave Q&A, if any, must be considered by the bidder in making its response, and such addenda shall be made a part of the requirements of the bid contract. Before submitting a bid response, it is incumbent upon bidder to be informed as to whether any addenda have been issued, and the failure of the bidder to cover any such addenda may result in disqualification of that response.
4. Bid Reservations: LFUCG reserves the right to reject any or all bid responses, to award in whole or part, and to waive minor immaterial defects in proposals. LFUCG may consider any alternative proposal that meets its basic needs.
5. Liability: LFUCG is not responsible for any cost incurred by bidder in the preparation of its response.
6. Changes/Alterations: Bidder may change or withdraw a proposal at any time prior to the opening; however, no oral modifications will be allowed. Only letters, or other formal written requests for modifications or corrections of a previously submitted proposal which is addressed in the same manner as the bid response, and received by LFUCG prior to the scheduled closing time for receipt of bids, will be accepted. The bid response when opened, will then be corrected in accordance with such written request(s), provided that the written request is contained in a sealed envelope which is plainly marked "modifications of bid response".
7. Clarification of Submittal: LFUCG reserves the right to obtain clarification of any point in a bid or to obtain additional information from any bidder.
8. Bribery Clause: By his/her signature on its response, bidder certifies that no employee of his/hers, any affiliate or subcontractor, has bribed or attempted to bribe an officer or employee of the LFUCG.
9. Additional Information: While not necessary, the bidder may include any product brochures, software documentation, sample reports, or other documentation that may assist LFUCG in better understanding and evaluating the bid response. Additional documentation shall not serve as a substitute for other documentation which is required by the LFUCG to be submitted with the bid response.
10. Ambiguity, Conflict or other Errors: If a bidder discovers any ambiguity, conflict, discrepancy, omission or other error in the bid request of LFUCG, it shall immediately notify LFUCG of such error in writing and request modification or clarification of the document if allowable by the LFUCG.
11. Agreement to Bid Terms: In submitting its bid response, the bidder agrees that it has carefully examined the specifications and all provisions relating to LFUCG's bid request, including but not limited to the bid contract. By submission of its bid response, bidder states that it understands the meaning, intent and requirements of LFUCG's bid request and agrees to the same. The successful bidder shall warrant that it is familiar with and understands all provisions herein and shall warrant that it can comply with them. No additional compensation to bidder shall be authorized for services, expenses, or goods reasonably covered under these provisions that the bidder omits from its bid response.
12. Cancellation: LFUCG may unilaterally terminate the bid contract with the selected bidder(s) at any time, with or without cause, by providing at least thirty (30) days advance written notice unless a different advance written notice period is negotiated prior to contract approval. Payment for services or goods received prior to termination shall be made by the LFUCG provided these goods or services were provided in a manner acceptable to the LFUCG. Payment for those goods and services shall not be unreasonably withheld.

13. Assignment of Contract: The selected bidder(s) shall not assign or subcontract any portion of the bid contract with LFUCG without the express written consent of LFUCG. Any purported assignment or subcontract in violation hereof shall be void. It is expressly acknowledged that LFUCG shall never be required or obligated to consent to any request for assignment or subcontract; and further that such refusal to consent can be for any or no reason, fully within the sole discretion of LFUCG.
14. No Waiver: No failure or delay by LFUCG in exercising any right, remedy, power or privilege hereunder, nor any single or partial exercise thereof, nor the exercise of any other right, remedy, power or privilege shall operate as a waiver hereof or thereof. No failure or delay by LFUCG in exercising any right, remedy, power or privilege under or in respect of this bid proposal or bid contract shall affect the rights, remedies, powers or privileges of LFUCG hereunder or shall operate as a waiver thereof.
15. Authority to do Business: Each bidder must be authorized to do business under the laws of the Commonwealth of Kentucky and must be in good standing and have full legal capacity to provide the goods or services specified in the bid proposal. Each bidder must have all necessary right and lawful authority to submit the bid response and enter into the bid contract for the full term hereof including any necessary corporate or other action authorizing the bidder to submit the bid response and enter into this bid contract. If requested, the bidder will provide LFUCG with a copy of a corporate resolution authorizing this action and/or a letter from an attorney confirming that the proposer is authorized to do business in the Commonwealth of Kentucky. All bid responses must be signed by a duly authorized officer, agent or employee of the bidder.
16. Governing Law: This bid request and bid contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. In the event of any proceedings regarding this matter, the bidder agrees that the venue shall be the Fayette County Circuit Court or the U.S. District Court for the Eastern District of Kentucky, Lexington Division and that the bidder expressly consents to personal jurisdiction and venue in such Court for the limited and sole purpose of proceedings relating to these matters or any rights or obligations arising thereunder.
17. Ability to Meet Obligations: Bidder affirmatively states that there are no actions, suits or proceedings of any kind pending against bidder or, to the knowledge of the bidder, threatened against the bidder before or by any court, governmental body or agency or other tribunal or authority which would, if adversely determined, have a materially adverse effect on the authority or ability of bidder to perform its obligations under this bid response or bid contract, or which question the legality, validity or enforceability hereof or thereof.
18. Price Discrepancy: When applicable, in case of price discrepancy, unit bid price written in words will prevail followed by unit price written in numbers then total amount bid per line item.
19. Bidder understands and agrees that its employees, agents, or subcontractors are not employees of LFUCG for any purpose whatsoever. Bidder is an independent contractor at all times related to the bid response or bid contract.
20. Contractor [or Vendor or Vendor's Employees] will not appropriate or make use of the Lexington-Fayette Urban County Government (LFUCG) name or any of its trade or service marks or property (including but not limited to any logo or seal), in any promotion, endorsement, advertisement, testimonial or similar use without the prior written consent of the government. If such consent is granted LFUCG reserves the unilateral right, in its sole discretion, to immediately terminate and revoke such use for any reason whatsoever. Contractor agrees that it shall cease and desist from any unauthorized use immediately upon being notified by LFUCG.
21. If any term or provision of this bid contract shall be found to be illegal or unenforceable, the remainder of the contract shall remain in full force and such term or provision shall be deemed stricken.

DocuSigned by:

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Signature
Robert P. Elliott, President

3/23/2026
Date

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Section 1 - Specifications - Service

Specifications of Commodity and/or Service Requirements

General Notes:

- Mileage is incidental to this contract.
- Traffic Control by the contractor shall be incidental to the whole contract.
- Construction Supervisor within the LFUCG Division of Traffic Engineering shall be the main point of contact.

Scope – Electrical Maintenance

The scope of this contract shall include, but not be limited to, field construction, and repair of:

- Traffic signals;
- Flashing Beacons;
- School flashers;
- Roadway/Intersection Lighting; and
- Pedestrian Lighting.

The contractor shall provide technical expertise, labor, working equipment, and all tools necessary for the work associated with this contract. The contractor shall **have at least a three (3) person crew** for all work on this contract. One (1) employee on the crew shall be a Licensed Electrician. The LFUCG Construction Supervisor shall have the final decision on the number of vehicles and persons for each crew.

All electrical work shall be conducted or supervised by a licensed electrician. Non-electrical work may be supervised by personnel without an electrical license. If questions arise, the Contractor Manager shall make the final determination as to what work needs to be supervised by a licensed electrician. The Construction Supervisor may require the replacement of an individual who is not performing satisfactorily.

Electrical Traffic Control Devices

Quotes for this contract shall be based upon the following aspects:

- The contractor's vehicles per signal job shall consist of two vehicles per 3 person crew. If other vehicles are needed, the contractor shall get prior approval from the Construction supervisor to add any other vehicles for each crew.
- The contractor shall use bucket trucks with a maximum working height in the range of 45 feet when doing signal work on this contract. If a larger bucket truck is required for signal work, the Contractor shall get prior approval from the Construction Supervisor before larger bucket trucks will be allowed to be used on this contract.
- **By the end of the initial contract term, the contractor shall be able to furnish one person for each field crew who is certified in IMSA Level II (field or construction) or the contract will not be renewed.**

Standards

All work shall be completed in a professional manner and meet the requirements of the local utility, any supplied drawings or plans, and the latest editions of:

- National Electrical Code (NEC);
- Manual on Uniform Traffic Control Devices (MUTCD)
- Kentucky Department of Highways' Standard Specifications for Road and Bridge Construction*
- LFUCG Standard Drawings (these drawings will supersede on local streets where in conflict with KYTC)

*including all current supplemental standard specifications and special notes (with the exception of Section 109) and the Division of Highway Design Standard Drawings.

All work on state routes shall be done in accordance with KYTC Division of Traffic Operations' specifications for signals and lighting. The contractor shall be responsible for conforming to all OSHA and KOSHA safety requirements for all work performed.

Resources:

1. KYTC Division of Traffic Operations' Specifications for Signals and Lighting

<http://transportation.ky.gov/Traffic-Operations/Pages/Design-Services-Branch-Standards-and-Tools>

2. KYTC Standard Specifications for Road and Bridge Construction

<http://transportation.ky.gov/Construction/Pages/Standard-Specification-with-Supplemental-Specific>

3. The Manual on Uniform Traffic Control Devices

<http://mutcd.fhwa.dot.gov>

4. The Division of Highway Design Standard Drawings

<https://transportation.ky.gov/Highway-Design/Pages/Standard-Drawings-2020.aspx>

5. LFUCG Standard Drawings

https://www.lexingtonky.gov/sites/default/files/2017-09/LFUCG%20Standard%20Drawings%202017_0.pdf

Public Information

The contractor shall notify the Construction supervisor **three (3)** business days in advance of any planned work that might significantly impact traffic flow in case the District wants to relay this information to the public.

Documentation of Vehicle Qualifications

The Construction Supervisor may require the replacement of any equipment that is not performing satisfactorily.

Documentation of Employee Qualifications – please submit these with your bid.

The Contractor shall make available for inspection the following information:

- Proof of Electrical Contractor license issued by Department of Housing, Building, & Construction.
- Proof of electrician license issued by Department of Housing, Building, & Construction for each crew.
- Staffing plan written resumes
- Proof of certification for the International Municipal Signal Association (IMSA) Level 1 and 2(Field or Construction) for all Electricians. - All IMSA certifications shall be valid and up to date. **Not required when work is solely limited to streetlight items.**
- Diplomas
- Work Zone Traffic Control Supervisor Qualification – WZTCS. Contractor is required to have at least one. Qualifications shall be current within 5 years.
- Flagging credentials - All employees shall have this requirement. Qualifications shall be current within 5 years.
- Any other supporting documentation requested for each employee initially assigned to the contract.

The contractor may be asked submit all information necessary to verify experience and training. Field crews shall submit credentials to the Construction Supervisor, including IMSA, WZTCT, and WZTCS certifications (including contact info) prior to beginning work on traffic signal equipment items. Anytime that new crews or personnel are added, credentials shall be supplied to the Construction supervisor prior to work commencing. Documentation of credentials will be required for each new employee added to the contract. Personnel shall comprise the actual field crews when work commences. Substituting less experienced personnel after award of contract may result in termination of the contract.

See the following websites for qualifying classes:

1. Kentucky Transportation Center

<http://www.kyt2.com/training/program/work-zone-qualification-training>

2. American Traffic Safety Services Association

http://www.atssa.com/cs/roadway_safety_training_institute

3. Kentucky Laborers' Joint Apprenticeship & Training Trust Fund

<http://www.kltf.org/>

Employee Qualifications

Electricians shall meet all of the following qualifications:

1. Licensed electrician issued by the Department of Housing, Building, & Construction
2. **When working on traffic signal items:** IMSA level 1 & 2(field or construction) certification - shall be renewed with IMSA. All electricians shall have this certification within 6 months of the start of the contract. This certification shall not be required if work is being conducted on streetlight equipment.
3. Work Zone Traffic Control Technician Qualification.

Individual shall be knowledgeable of the electrical safety codes and National Electrical Code

The electrician shall perform the following tasks:

- Correspond with the Construction Supervisor to coordinate staffing levels with upcoming work
- Correspond with the Construction Supervisor upon receiving work orders to determine scope of work
- Coordinate with the Construction Supervisor to procure necessary materials or pick up spare parts
- Coordinate traffic control measures with the Construction Supervisor and district personnel
- Coordinate with electrical, telephone, and other utilities for location of services
- Supervise traffic control work
- Perform on-site management of installation tasks Perform initial or simple field troubleshooting
- Perform installation tasks
- Perform traffic control work
- Perform preventative maintenance
- Perform coaxial terminations
- Perform inspections and quality control functions
- Manage the Laborer(s) and Equipment Operator Complete/Review daily field sheets
- Review monthly billing reports for accuracy
- Provide technical support and training for the Laborer(s) Provide technical information to the Construction supervisor
- Act as primary contact between the Contractor and the Construction Supervisor

Laborers and equipment operators shall have the following certifications and qualifications: Work Zone Traffic Control Technician Qualification. All laborers and equipment operators shall have this certification within 6 months of the start of the contract.

Flagging credentials: All personnel used in Flagging operations will have current flagging certification.

Laborers shall have experience in basic electrical construction practices. Laborers shall be competent to operate all tools and light equipment. Individuals shall be supplied with additional tools and equipment as necessary.

Equipment for Electrician

Electricians shall be familiar with the operation of the following equipment as a minimum:

- Complete set of electronic and electrical hand tools
- Voltmeter
- Coaxial stripping and crimping tools for video and RF cable
- Cable Locator
- Wire Tracer
- Internet, email access (one per crew) Cellular telephone
- Clamp-on ground resistance tester

Individuals shall be supplied with additional tools and equipment as necessary.

Quantity

There is no guarantee of the quantity mentioned in this invitation, and LFUCG is obligated only to the extent of the needed services during the term of the contract.

Work Orders

The Construction Supervisor will normally provide a written work order via email for all work. This work order will contain the following information:

- Location of work & description of work
- Special instructions or revised installation details priority and expected response time

The contractor shall coordinate with the Construction Supervisor via email before beginning work to resolve any questions about the work order.

Work/Time Policy

It is anticipated that some repair tasks will occur outside of normal working hours. The contractor shall be responsible for providing the labor and equipment necessary to conduct such work at the contract price.

Contractor shall get a lane closure permit whenever work in the roadway or sidewalk is expected to occur. Work hours for work in the roadway shall be determined based upon lane closure permit policy (which will vary by location.) A right of way permit shall be procured from the Division of Engineering if any roadway cuts are necessary. Contractor shall follow all applicable rules and guidelines outline by the Division of Engineering Right of Way Group. These permits shall be incidental to any work which makes it necessary to get said permits.

The Construction Supervisor has the right to deviate the hours to accommodate inspection schedules.

Contractor shall not perform routine work on holidays and/or holiday weekends without prior approval from Construction supervisor or designee.

Response Time

1. Routine Work

Upon notification by the Construction Supervisor, the contractor and all necessary equipment shall be on-site and working within **thirty (30) working days**. This time limitation will be measured from the point in which necessary materials have been delivered or made available.

2. Emergency Work

Emergency work shall consist of situations where malfunctioning, downed, or damaged equipment is creating an immediate safety hazard.

Emergency work may include, but is not limited to, the following:

- Traffic signal in roadway
- Signal/lighting pole in the roadway
- Luminaire hanging from a pole
- Signal head hanging from span
- Fire caused by a short circuit at signal/lighting installations

The contractor shall designate an employee(s) to be readily available to the Construction Supervisor at all times in case of an emergency situation, either through a cell phone equipped with voice mail or other suitable means. Once contacted, the contractor shall immediately mobilize to respond to emergency work and be on-site with all necessary equipment and working within four (4) hours. For example, the designated contractor on-call person shall be on site within the initial two (2) hour window in order to determine equipment and personnel needs. Once those needs are ascertained, additional personnel and necessary equipment shall be on site with in a four (4) hour period (as measure from the initial callout).

Removal of Existing Equipment

All removed existing equipment will be returned to LFUCG warehouse/storage areas. The transport is incidental to the contract.

Communications

The contractor shall maintain daily communication with the Construction Supervisor to coordinate work and materials required.

Damage to Existing Facilities

The contractor shall coordinate with the applicable underground location services and local utilities before beginning any excavation task. The contractor shall be responsible for all costs to repair any public or private underground or overhead infrastructure damaged during construction.

Workmanship/Warranty

All work shall be performed in a professional manner. Work areas shall be cleaned up upon completion of the task. Cleanup shall include removal of all trash and debris in the work area. The contractor shall warrant that all workmanship complies fully with the requirements of the contract specifications. Should any defect appear **within six months** after the project is completed due to inferior workmanship, the

contractor warrants that they will do immediately whatever is necessary to remedy the defects without additional cost to LFUCG.

The contractor should notify the Construction Supervisor of existing material that is damaged, defective, or worn immediately upon identification of such material. This includes any worn signal mounting hardware, damaged wiring, bad splices, etc.

Pole Handhole Covers, Transformer Base Doors, and Junction Box Lids

The contractor shall reinstall all pole handhole covers, transformer base doors, and junction box lids for traffic control devices and lighting installations during any tasks. The contractor shall reinstall pole handhole covers/doors, transformer base doors, and junction box lids upon completion of work on each individual item and prior to leaving the work site. If the pole handhole covers, transformer base doors, and junction box lids are missing or cannot be reinstalled through conventional methods due to damage, the contractor shall contact the Construction Supervisor with details of each location so that replacements can be ordered. The contractor shall attempt to secure damaged pole handhole covers, transformer base doors, and junction box lids until replacements are received. Any labor, equipment or materials used to reinstall or attempt to secure pole handhole covers/doors, transformer base doors, and junction box lids shall be incidental. If replacement pole handhole covers/doors, transformer base doors, and junction box lids become available prior to completion of all required tasks on the work site, the contractor shall install these items at no additional cost to LFUCG. The Construction Supervisor will make the final determination on when a project is called complete. If the replacement is received after the project is called complete, the contractor will be paid for time and materials used to reinstall the item.

End of Contract

At the end of the contract period no new work or purchase orders shall be issued. Only payments will be made for work contracted prior to end of contract. Contractor shall finish work orders issued prior to contract end.

Liquidated Damages

The Construction Supervisor shall notify the contractor by email of any of the conditions listed below. The contractor shall complete all repairs within stated time frames and notify the Construction Supervisor by email upon completion of requested work. The construction supervisor is responsible for how the liquidated damages are applied and may consider a weather related event for extension of the days involved in the liquidated damages.

The contractor will be subject to **liquidated damages of \$500 per day per occurrence** until item is completed for the following conditions:

- If the installation of a full signal is not completed within ninety (90) business days from the start of work, unless an alternate schedule is agreed upon.
- If the installation of one loop, piezoelectric sensor, and in ground or above ground sensor is not completed within thirty (30) business days.
- If the installation of any steel strain pole base is not completed within thirty (30) business days.
- If the installation of a luminaire base, pedestrian pedestal base and pad is not completed within fourteen (14) business days.
- If the on-call individual does not arrive at the first signal within 2 hours of being called and will receive additional \$500 each additional hour until he arrives.

- If the contractor does not have all necessary/working equipment on-site for routine work within fourteen (14) business days.
- If the contractor does not have all necessary/working equipment on-site for emergency work within four (4) hours.
- If equipment that is requested by the LFUCG Construction Supervisor is not on site within seven (7) business days.
- If equipment is not in working condition, the Construction Supervisor can request that the equipment be replaced/fixed within three (3) business days.
- Restoration of disturbed areas to original condition within seven (7) business days, after the job is completed OR if prior to completion, the contractor expect to leave the site for greater than ten (10) business days it shall be covered with straw to prevent erosion.
- If inspected work is found to not be in compliance with all applicable standards and is not corrected within ten (10) business days.
- If pole handhole covers, transformer base doors, and junction box lids are not reinstalled/secured or not reported to the Construction supervisor that it is missing. This will be for each pole handhole covers, transformer base doors, and junction box.

Billing - General

Labor and equipment hours shall be billed for:

- Labor and equipment hours (Lines 1-12) shall not be billed for the installation of any material listed as a bid item (lines 12-100)
- Labor and equipment hours (Lines 1-12) shall not be billed for any individual providing on-call bid item duties (Lines 101, 102, and 103).
- Any mileage incurred by the contractor shall be incidental to the whole contract. Any traffic control by the contractor shall be incidental to the whole contract.
- For work billed by the hour, LFUCG will commence counting time for paying the contractor at the time he arrives at the work site or district maintenance facility.
- LFUCG will end counting time for paying the contractor at the time he leaves the work site or district maintenance facility.
- Concrete in excess of specified quantities in bases/footers, is **allowed to be invoice per Item 52**. This includes repairs/replacement of sidewalk.

There shall be no electrician, equipment operator, or laborer hours billed for any bid item because of supervision.

Item 1. Electrician (HOUR)

Electrician pay shall be paid to licensed electricians and to employees performing electrical work under the supervision of a licensed electrician. See invoicing and field sheets for common examples where unlicensed employees would be paid electrician pay.

Item 2. Laborer (HOUR)

Item 3. Equipment Operator (HOUR)

Item 4. Equipment – General (HOUR)

Equipment bid items shall be used for preventive maintenance, equipment repair, and installation of equipment and material not listed under material bid items.

Equipment shall have at least two supplemental yellow flashing warning lights. Equipment shall have current safety certificates for use in the State of Kentucky. Equipment may be owned, rented, or subcontracted as required. The Construction supervisor may require the replacement of any unit not performing effectively.

- Hand tools and small power tools are incidental to the contract.
- Equipment hours shall not be billed for any equipment provided during on-call bid items.

Item 5. Service Vehicle (HOUR)

Unit shall be capable of transporting equipment, tools, and individuals. This can only be billed when:

Travelling to OAC to pick up or drop-off materials, or Transporting materials from OAC, or Employees are being paid hourly and there is no other equipment (Line Items 5-12) that is eligible for reimbursement at an hourly rate.

Approval of Project Manager is required, prior to starting work, if more than one service vehicle is required for hourly work.

Item 6. 30' Bucket Truck (HOUR)

Unit shall have a working height of thirty (30) feet.

Item 7. 50' Bucket Truck (HOUR)

Unit shall have a working height of fifty (50) feet.

Item 8. Skid Steer Loader (HOUR)

Unit shall be minimum of 80 HP and equipped with a bucket and shall include transporting of this item.

Item 9. Flatbed Truck (HOUR)

Unit shall be three quarter ton to five ton.

Item 10. Air Compressor (HOUR)

Unit shall have tools including jackhammer and shall include transporting of this item.

Item 11. Aerial Lift Device (HOUR)

- Unit shall be capable of lifting personnel to a height of 130' Unit shall be capable of lowering and erecting high mast lighting structures up to 120' in height.
- If item needs to be transported, this is incidental to this item.

Item 12. 1 ½ Ton Line Truck (HOUR)

Unit shall be equipped with 9", 18", 24", and 36" rock augers. Unit shall also include a pole trailer that carries a 45' pole.

Conduit - General

- Conduit shall include furnishing and installing conduit, couplings, fittings, elbows, tees, clamps, grounding bushing, bushing, weatherheads (installed on conduit or poles), plug/text plugs, duct seal, warning tape, bonding straps, and any other associated material required for installation above or below ground or on a structure.
- All HDPE & PVC conduits shall be schedule 80.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Rigid Steel Conduit

Item 13. Furnish and Install Rigid Steel Conduit - ½ Inch to 1 Inch Rigid Steel (LF)

Item 14. Furnish and Install Rigid Steel Conduit - 1 ¼" Inch Rigid Steel (LF)

Item 15. Furnish and Install Rigid Steel Conduit- 2 Inch Rigid Steel (LF)

Item 16. Furnish and Install Rigid Steel Conduit - 2 ½ Inch to 4 Inch Rigid Steel (LF)

PVC Conduit

Item 17. Furnish and Install PVC Conduit - ½ Inch to 1 Inch PVC (LF)

Item 18. Furnish and Install PVC Conduit - 1 ¼" Inch PVC (LF)

Item 19. Furnish and Install PVC Conduit - 2" Inch PVC (LF)

Item 20. Furnish and Install PVC Conduit - 2 ½ Inch to 4 Inch PVC (LF)

HDPE Conduit

Item 21. Furnish and Install HDPE Conduit - ½ Inch to 1 Inch (LF)

Item 22. Furnish and Install HDPE Conduit - 1 ¼" Inch (LF)

Item 23. Furnish and Install HDPE Conduit - 2" Inch (LF)

Item 24. Furnish and Install HDPE Conduit - 2 ½ Inch to 4 Inch (LF)

Flexible Conduit

Item 25. Furnish and Install Conduit - ¾ Inch to 2 Inch Flex Wire or Cable – General (LF)

- Wire and cable includes the installation of wire or cable in new/existing conduit cabinet, poles, and overhead, raceway or in saw slot.
- This item includes the furnishing and installation of lashing wire, connectors and any other hardware required.
- This item includes the installation of cable rings that will be supplied by LFUCG. Also included in this item are furnishing splices and terminations required to connect wire or cable to equipment and the connection of terminated wire or cable to equipment. Equipment may include, but not be limited to the contents of cabinets or enclosures, as listed below, poles, junction boxes, signal heads, pedestrian detectors and ground rods. Splices and terminations shall be watertight and installed to the satisfaction of the LFUCG.
- The contractor shall have any tools necessary to properly splice or terminate wire or cable.
- Splices may include, but not be limited to butt splices or wire nuts. Wire terminations may include, but not be limited to circular lugs, spade lugs, and push-ons. Cable terminations may include, but not be limited to BNC, N, S, DB-9, DB-25, Modular, Terminal Strip, Circular, Spade lugs and other similar connectors as required.
- This item also includes removal of old wire or cable during the installation of new wire (or using old wire to pull new wire at the same time).
- This item includes the cleaning or clearing out of existing conduit so that the wire can be installed and includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 26. Wire - # 4 or Smaller (Does Not Include Loop Wire) (LF)

Item 27. Wire - # 2 or Larger (LF)

Item 28. Wire - Loop Wire (IMSA 51-7) (LF)

Item 29. Cable - Signal Cables 2C, 3c, 5c, and 7c, 16c (IMSA 19-1, or IMSA 20-1) (LF)

Item 30. Loop Lead-In Cable (IMSA 19-2) (LF)

Item 31. Cable - Multi-Conductor (LF)

Item may include but is not limited to RG-213, RG-58, RG-59, Belden 8281, Belden 9165, Belden 9731, PE-22, PE-38, Plenum, EIA/TIA Plenum Rated or approved equals.

Item 32. Provide and Install Span Wire - 10,800 LB/15,400 LB or Similar (LF)

- Span wire shall include the installation of the span wire and any associated hardware necessary for proper installation.

- This item requires the Contractor to furnish the all items, including pole line hardware. 5/16-inch and /or 3/8-inch span wire and strand vises will be used.

Cabinets and Enclosures

- Cabinets and enclosures shall include installing cabinets or enclosures on pole, pad, or other structures.
- This item includes the furnishing and installing of bolts, anchors, brackets and any other methods necessary for the connection to the structure. The contractor will supply/install the banding and banding straps.
- This item includes the installation of controllers, radios, detectors, load switches, and other standard equipment inside the cabinet.
- This item includes restoration of disturbed areas to original condition. This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

(Note: If installing a model 332 cabinet or base-mounted lighting cabinet, the contractor shall furnish the class "A" concrete to construct the pad and all materials to build the base.)

This item does not include prefabrication work to build other specialty cabinets. The Construction Supervisor will make the decision if the cabinet is deemed as a specialty cabinet. Cabinet prefabrication shall be paid for on an hourly basis with the Electrician bid item (Item 1).

Item 33. Cabinet - Model 332 Base-Mounted (EACH) – Install Only

Item 34. Cabinet - Model 336 Pole-Mounted (EACH) – Install Only

Item 35. Cabinet - Lighting Cabinet- Base/Pole Mounted (EACH) – Install Only

Item 36. Enclosure – Other Enclosure (EACH) – Install Only

Other shall include flasher, RWIS, DMS, and other metal or fiberglass enclosures from 6" x 6" x 6" up to 72" x 72" x 36".

Pole or Tower

- Pole shall include installing pole, mast arm pole (including arms), tower, and wood poles.
- For wood poles, the contractor shall furnish and install bolts for the installation of the messenger wire.
- For wood poles, the contractor shall provide/install the items such as: anchors, rock anchors, and guards.
- The contractor may be responsible for the removal of an existing pole and reinstalling this or new pole in a different location. In such cases, the removal and reinstall shall be considered as one bid item not as two individual bid items.
- This item includes setting the pole, connection of pole to pole base, adjusting and raking, and the installation of covers, caps, and all associated pole hardware. Includes picking up, transportation and installation at a designated work site.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks. The anchor bolts will be quoted/invoiced at cost with the relevant item.

Item 37. Provide & install 35-foot, Class 4 wood pole (EACH)

- Must be able to install within 24-hours. Emergency requests for this item: Must be able to install within 4-hours.

Item 38. Provide & install 45-foot, Class 4 wood pole (EACH)

- Must be able to install within 24-hours. Emergency requests for this item: Must be able to install within 4-hours.

Steel Poles

When the vendor purchases steel poles for the Division of Traffic Engineering they shall provide the Division of Traffic Engineering with documentation showing the poles they purchased meet the required specifications. Pole will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed for delivery and handling from the manufacturer.

- Contractor shall provide all materials and equipment.
- Strain pole specifications may vary depending on the location and use (Specifications shall be determined by the Division of Traffic Engineering.)
- Pole height, minimum load yield and maximum deflection rate will be given as specifications for the Strain pole.
- The responsibility for the strain poles meeting these specifications shall be the contractors.
- Completed product shall include strain pole, concrete base with reinforcing rods, anchor bolts and all other materials needed to complete the installation in soil or rock, #6 copper ground wire, ground rod, pole cap, hand hole cover, conduits, two (2) pole collars (All items shall match manufacturers specifications).
- Pole collars not used shall be returned to the Division of Traffic Engineering.
- Each pole base shall have (1) 3/4-inch PVC conduit (for the ground wire to route outside the strain pole base to the ground rod) and two (2) 2-inch PVC conduits.
- 2" PVC conduits: If there are existing conduits, the conduits installed by the contractor shall be connected to existing conduits.
- Contractor shall provide a sketch as to which direction the conduits are pointing outside the strain pole base.
- The controller pole shall have additional conduits of four (4) 2-inch PVC conduits.
- The pole where the electric service and communication lines are to be attached shall have two (2) 1&1/4-inch HDPE Conduit (Electric Service/Communications) installed in the concrete (outside the strain pole).
 - **Where fiber optic cables are encountered, contact LFUCG Construction Supervisor before proceeding with work.**
- All rigid steel conduits shall be bonded to ground.
- These specifications are for a complete installation and shall be as such.
- All concrete and reinforcement for pole bases shall comply with Kentucky Department of Highways construction standards.

Item 39. Provide and Install Steel Strain Pole - Steel – Up to 45’ Pole (EACH)

- The pole will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Item 40. Install Steel Strain Pole provided by LFUCG (EACH)

- Strain pole provided will be up to 40-feet in length. Anchor bolts will be provided by the contractor, and invoiced as Item 43.

Item 41. Provide and Install Strain Pole - Steel - 46 Feet to 120 Feet. (EACH)

- The pole will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Item 42. Provide and Install Mast Arm Pole (EACH)

- The pole will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Down Guy and Anchor Bolts

Contractor shall provide all materials and equipment (including guy guard). Item 44 and item 45 include ONLY the labor/materials to install the down guy. If installing a down Guy/Anchor in sidewalk, the contractor shall furnish and install the class "A" concrete to replace the sidewalk and all materials to build the sidewalk **per item 52**, which is by cubic yard. This shall be paid in addition to Item 44 or Item 45. So bid should only include consideration for the down guy install. Anchor shall be expansion type with 8-foot anchor rod. Sidewalk guy shall use 2-inch pole plate and end cap.

Item 43. Provide and Install Anchor Bolts (LS)

- Contractor shall supply relevant anchor bolts for installation of pole(s). Anchor bolt sizes shall be determined through SALSA calculations or manufacturers guidance.
- The anchor bolts will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Item 44. Install Standard Down Guy (EACH)

Item 45. Install Sidewalk Down Guy (EACH)

Pole/Pedestal Bases

- This item includes furnishing, excavation, and the installation of class "A" concrete as defined by table in item 52, forms, reinforcing steel, and appropriate circular concrete forms. Any construction of forms or reinforcing steel cages is incidental to these items.
- This item includes installing anchor bolts and finishing concrete. Concrete shall be vibrated to remove voids. Pads shall be poured to shed water and finished with a broom finish.
- This item includes restoration of disturbed areas to original condition.
- This item includes that the contractor furnishing and installing conduits/bushings used for telephone, grounding, spares, and service run (this is up to 2 foot pass the base edge), and signal/lighting.
- All pole or cabinet bases shall have a spare 2" HDPE conduit installed.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- This item includes providing a Rock doc/pressure digger if needed.

- Concrete shall be properly installed, including the use of a concrete vibrator, and properly finished. Proper equipment shall be used for finishing to ensure bases or pads are flat and level.
- An exception to the Signal Pole Base chart is that the contractor will only be responsible for pole bases with a drilled shaft with a maximum depth of 21 feet. For further information please go to the download webpage on the Division of Traffic Operations website:

<http://transportation.ky.gov/Traffic-Operations/Pages/Design-Services-Branch-Standards-and-Tools>.

For Item 46 – Item 52. The contractor will be paid by quantities shown in the chart provided. Any cubic yardage of concrete beyond the provided cubic yardage for each pole base depth **will be paid for under Item 52** but will be limited to not more than one (1) cubic yard over the allowed per the chart.

For items installed in sidewalk, concrete to restore the sidewalk will be invoiced at Item 52.

- Item 46. Furnish and Install Base - Steel Pole from 46 Feet to 120 Feet (EACH)
- Item 47. Furnish and Install Base - Steel Pole Up to 45 Feet (EACH)
- Item 48. Furnish and Install Base – Mast Arm (EACH)
- Item 49. Furnish and Install Base-Luminaire – 6’ Deep specified for a luminaire pole. (EACH)
- Item 50. Furnish and Install Base – Pedestrian Pedestal – 24”x24”x48” (EACH)
- Item 51. Furnish and Install Pad - Cabinet, Enclosure or Tower (EACH)
- Item 52. Furnish and Concrete – Per Cubic Yd.

Total concrete yardage invoiced by concrete company shall not be the basis of payment. Basis for payment shall be made by utilizing the following applicable calculation method and/or table(s).

Table 1 - Steel Strain Pole Concrete Quantity

<u>Depth (ft.)</u>	<u>Diameter (ft.)</u>	<u>Volume (yd³)</u>
10	3	2.7
12	3	3.3
14	3	3.8
15	3	4.1
16	3	4.3
17	3	4.6
18	3	4.8
21	3	5.6

Table 2 - Luminaire & Pedestal Base Quantity

<u>Depth (ft.)</u>	<u>Diameter (ft.)</u>	<u>Volume (yd³)</u>
6	2	0.7
4	2	0.6

Sidewalk:

Payment for any necessary sidewalk work shall be calculated based total square yardage multiplied by 4.5” or 6” of standard depth, whichever is required by the site.

Payment for pads shall be based on the number of cubic yards of concrete required for installation, **rounded up to the nearest tenth of a yard.**

Traffic Signal

Item 53. Install Traffic Signal (EACH)

- Item shall include the installation of any specified signal head up to a five section signal head, including Lane Use Control Signal/Signs, LED Street Name Signs, and/or other LED Traffic Signs.
- This item includes but is not limited to the installation or building of any hangers, brackets, tethers, backplates and any other hardware required.
- This item includes the installation of LED modules in the signal housing and the installation of wiring from LED modules to internal terminal strap.
- If replacing an existing traffic signal, the removal of the existing head is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- If the contractor is asked to provide parts, the equipment will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Pedestrian Signal

- Contractor shall provide all materials except pedestrian signals, mounting brackets, pedestrian push buttons, FS boxes, poles, anchor bolts and pedestrian push button signs.
- Installation of pedestrian signal (s), shall include wiring of signals and pedestrian push buttons if required.
- Conduits used for pedestrian signal shall be 2-inch PVC or HDPE.
- Conduits used for Pedestrian push button shall be 3/4-inch HDPE or PVC (THIS SHALL BE A SEPARATE CONDUIT, NOT ATTACHED TO THE BOTTOM OF THE PEDESTRIAN SIGNAL MOUNTING ARM UNLESS APPROVED BY THE LFUCG).
- The pedestrian push button shall be installed 36-inches above grade.
- Pedestrian push button signs shall be mounted directly above the pedestrian push button.
- If replacing an existing pedestrian signal, the removal of the existing head is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- If the contractor is asked to provide parts, the equipment will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Item 54. Install Pole Mount Pedestrian Signal, with or without pedestrian push buttons (EACH)

Item 55. Install Pedestal Mount Pedestrian Signal, 1-way, with or without pedestrian push buttons (EACH)

Item 56. Install Pedestal Mount Pedestrian Signal, 2-way, with or without pedestrian push buttons (EACH)

Accessible Pedestrian Push-Button

Item 57. Install Accessible pedestrian push-button (EACH)

- Item shall include the installation of the push-button, the module in the pedestrian signal head, the wiring between the detector and the module, the termination of all wires and any other hardware necessary for proper installation. The contractor shall furnish and install bolts or screws for the attachments of push-buttons or signs. The wire from the controller cabinet to the module and any conduit necessary shall be paid for separately. The drilling of holes in poles for installation of wire shall be incidental to this item. The contractor shall furnish and install a rubber grommet in drilled hole.
- If replacing an existing push button, the removal of the existing head is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- If the contractor is asked to provide parts, the equipment will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, for handling.

Signal Electrical Service (Signal, Beacons, School flashers, and LED Blinker sign)

Item 58. Electrical service (LS)

- Item shall include installing safety switch and meter base on cabinet, pole or other specified structure in accordance with local utility requirements, and connection of service wire to equipment.
- This item includes the installation conduits (weatherheads) and wiring from the utility service wiring to the bottom of the service disconnect.
- All conduits, grounding system, and wiring from bottom of disconnect shall be billed with separate items. Inspection is incidental to this line item.
- This item includes any labor hours and equipment hours required to meet with the utility company representative and locate poles, deliver inspection certificates, and otherwise coordinate the installation of the service.
- This item includes that the contractor furnishing and installing conduits used for grounding and service run (this is up to 2 foot pass the base edge or pole).
- If replacing an existing service, the removal of the existing service is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 59. Furnish and Install Lighting Electrical Service (120/240 Volt) (LS)

- Item shall include furnishing and installing a 60 AMP safety switch and meter base on channel/square posts, pole or other specified structure in accordance with local utility requirements, and connection of service wire to equipment.
- This item includes the installation conduits (weatherheads) and wiring from the utility service wiring to the bottom of the service disconnect.
- All conduits, grounding system, and wiring from bottom of disconnect shall be billed with separate items.
- Inspection is incidental to this line item.
- This item includes any labor hours and equipment hours required to meet with the utility company representative and locate poles, deliver inspection certificates, and otherwise coordinate the installation of the service.
- This item includes that the contractor furnishing and installing conduits used for grounding and service run (this is up to 2 foot pass the base edge or pole).
- If replacing an existing service, the removal of the existing service is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Ground Rod

- Ground rod shall include installing a 5/8" x 8' copper clad steel ground rod in accordance with plans and specifications.
- This item includes the installation of any hardware or welding required for attachment of the ground wire to the ground rod.
- This item includes restoration of disturbed areas to original condition. This includes all equipment, labor and electrician supervisor hours to perform these tasks.

Item 60. Signal- Ground Rod (LS)

Item 61. Lighting Conventional Ground Rod (LS)

Transfer Switch

Item 62. Transfer Switch

See specifications for box type, needed terminal blocks used shall be Reliance Controls, Signa Series C30A1L Transfer Switch, mounting of box shall be accomplished by using 5/16" x 5/8" stainless steel bolts with stainless steel insulated locking nut, all crimp-ons used shall be insulated type, all wiring shall be enclosed by using a ½-inch spiral wrapping flexible protective sheath (Panduit #T50F-4) and the protective sheath shall be neatly cable tied within the controller cabinet, contractor shall also replace the Breaker and/or Fuse in the disconnect to match the transfer switch requirements, if necessary

Junction Box

- This item includes any labor hours and equipment hours required to meet with the utility company representatives, local officials, and other LFUCG representatives to coordinate the installation of the junction box and restore sidewalk and/or ADA ramps.

- If existing junction box is being replaced, the removal of the existing junction box is incidental to the installation of the new junction box.
- Junction box will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, to allow for handling.
- Item shall include furnishing and installing of a composite concrete junction box as specified by Cabinet specifications. This item includes excavation (includes rock), furnishing, and installing drainage aggregate (#57) in accordance with Cabinet specifications.
- These items include furnishing and installing fiber fabric type IV in accordance of LFUCG Specifications.
- Junction Box dimensions will comply with existing KYTC standards for junction box type (A,B,C)
- These items include restoration of disturbed areas to original condition.
- These items include all equipment, labor and electrician supervisor hours needed to perform these tasks.

Note: If installing a junction box in sidewalk, the contractor shall furnish and install the class “A” concrete to replace the sidewalk and all materials to build the sidewalk per Item 52, which is by cubic yard. If replacement of the sidewalk affects ADA ramps, the contractor shall replace any ADA devices and shall be incidental to Item 52. The Contractor shall also furnish the geotextile filter fabric type IV and the means to install it on the side of the junction box.

Item 63. Furnish and Install Junction Box Type B (EACH)

Item 64. Furnish and Install Junction Box Type A (EACH)

Item 65. Furnish and Install Junction Box Type C (EACH)

Loop Saw Slot and Fill

Items shall include restoration. See LFUCG Standard Drawings 201-3 & 201-4 for details on utility trench restoration under an existing paved road.

Item 66. Loop Saw and Slot Fill (LF)

- Item shall include cutting and cleaning loop slot, and furnishing and installing sealant, backer rod and grout. Any materials used to cut the slot shall be furnished by the contractor.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 67. Trenching and backfilling (LF)

- Item shall include 8” wide excavation, backfilling and the restoration of disturbed areas.
- This item shall include all equipment and tools required for trenching in any environment including solid rock.
- This item includes labor and equipment required for clearing trees and brush prior to trenching.
- This item includes restoration of disturbed areas to original condition. All fill shall be approved by the Construction Supervisor before the fill is installed in the trench.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Roadway Conduit Crossing

Items shall include restoration. See LFUCG Standard Drawings 201-3 & 201-4 for details on utility trench restoration under an existing paved road.

Item 68. 2" RS Roadway Conduit Crossing Roadway (LF)

- Conduit crossing shall include labor and equipment required for installation of furnished HDPE conduit under paved surface via pushing or open cutting. All open cutting shall be pre-approved by the construction supervisor.
- This item shall include saw cutting, excavation, pushing, backfilling and the restoration of disturbed areas. This item includes furnishing and installing reinforcing steel, concrete and asphalt as required.
- The furnishing of conduit is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 69. 3" to 4" RS Roadway Conduit Crossing Roadway (LF)

- Conduit crossing shall include labor and equipment required for installation of furnished HDPE conduit under paved surface via pushing or open cutting. All open cutting shall be pre-approved by the construction supervisor.
- This item shall include saw cutting, excavation, pushing, backfilling and the restoration of disturbed areas.
- This item includes furnishing and installing reinforcing steel, concrete and asphalt as required.
- The furnishing of conduit is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Directional Boring

Item 70. 2" RS Directional Boring Directional boring (LF)

- Item shall include labor and equipment required to install furnished HDPE conduit where trenching or pushing is not feasible. Equipment shall be capable of boring a hole under roadway to accommodate a 2" diameter HDPE Conduit.
- This item includes excavation, equipment, labor, supporting tools and restoration of disturbed areas.
- The furnishing of conduit is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 71. 3" to 4" RS Directional Boring Directional boring (LF)

- Item shall include labor and equipment required to install furnished conduit where trenching or pushing is not feasible. Equipment shall be capable of boring a hole under roadway to accommodate a 3" to 4" diameter steel pipe.
- This item includes excavation, equipment, labor, supporting tools and restoration of disturbed areas. The furnishing of conduit is included in this item. Conduit can be from 3 inch to 4 inch HDPE.

- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 72. Rock Removal (Trench) (CY)

- The contractor must notify inspector when substantial rock is encountered within the designated path.
- Written approval will be given to the contractor to proceed through the rock once other options are ruled out.
- Quantity of material must be verified by the engineer or inspector before payment can be made.
- This unit shall also be used for roadway crossings requiring an open trench through asphalt and concrete. This item shall not include conduit, only work for rock removal to establish trench for conduit.
- Off site fill material, if needed, shall be incidental to this item.

Item 73. Solid Rock Bore (LF)

- Contractor must notify the inspector when solid rock is encountered within the designated path.
- Solid rock is defined as any rock/surface that significantly slows the boring progress. Small, random obstructions will be considered incidental and not covered by this bid item.
- The inspector or construction manager must be present while the contractor is boring through rock in order to document the pay units.

[Install Above Ground Sensor](#)

Item 74. Install Above Ground Sensor (EACH) –Radar, Camera, etc.

- Item shall include installing a sensor on pole, mast arm, cabinet, or other structure. Sensor may consist of a video camera, radar sensor, acoustic sensor, radio/wireless router antenna, or other above ground sensing technology. The installation of cabling between module and above ground sensor shall be billed as cable-multi conductor.
- This item includes installing brackets, banding, and other mounting hardware of the above ground sensor.
- If replacing an existing above ground sensor, the removal of the existing above ground sensor is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- If this item is a replacement sensor, the removal of the existing sensor is incidental to the line item.

[Install Radio/Wireless Router/Telephone Modem/Above Sensor Module](#)

Item 75. The radio/wireless router/telephone modem/above ground sensor (EACH)

- Item shall include installing a radio, wireless router, or telephone modem/above ground sensor module inside the cabinet or other structure.
- The installation of the radio, wireless router, or telephone modem/above ground sensor module shall include the installation of a power supply, surge protector, cabling between surge protector and radio, and cabling from radio/wireless router/telephone modem/above ground sensor

module to any other device in the cabinet. If more than one of these items is installed, the installation shall be a separate billed item. The installation of cabling between radio/wireless router/telephone modem/above ground sensor module and above ground sensor shall be billed as cable-multi conductor. For new installations, the Contractor shall program radios, wireless routers, telephone modems, and above ground sensor module. If replacing an existing radio/wireless router/telephone modem/above ground sensor, the removal of the existing radio/wireless router/telephone modem/above ground sensor is included in this item.

- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

In-Pavement Sensor

Item 76. Install Sensor In-Pavement (EACH)

- This item shall include core drilling at least a 4" diameter by 2 ½" depth hole in asphalt or concrete pavement for each sensor.
- This item includes the installation of up to 3 sensors per lane. This includes the installation of the sensor/cam shell and epoxy into the cored hole.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 77. Remove Sensor (EACH)

- This item shall include removing the core drilling hole in asphalt or concrete pavement for each sensor. This item includes the removing of at least 3 sensors per lane.
- This item includes returning the sensor(s) to the Construction Supervisor.
- This item includes the installation of grout in the existing hole(s) in the pavement. The grout will be supplied by LFUCG. If the contractor damages the sensor, the contractor shall replace the sensor in kind at their cost.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Sign

Item 78. Install Sign (EACH)

- Item shall consist of installing a sign on a span, mast arm, or other structure.
- This item includes, but is not limited to, the installation and building of hangers, brackets, tethers, and any other hardware necessary for installation. If replacing an existing sign, the removal of the existing sign is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Install LED Module

Item 79. Install LED module (EACH)

- Item shall include installing one LED module in an existing signal head.
- This item may include removing the existing lens, reflector, lamp, LED module, and any other hardware that may be need to be removed in order to install the new LED.

- This item also includes terminating any wires necessary for a professional and proper installation.
- If replacing an existing LED module, the removal of the existing LED module is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 80. Install LED Pedestrian Signal Module (EACH)

- Item shall include installing one LED module in an existing pedestrian signal head.
- This item may include removing the existing lens, reflector, lamp, LED module, and any other hardware that may be need to be removed in order to install the new LED.
- This item also includes terminating any wires necessary for a professional and proper installation.
- If replacing an existing LED module, the removal of the existing Led module is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Luminaire

- Luminaire shall include installing or replacing specified luminaire on a pole, arm, bracket, bridge, wall, ceiling, or any other location required.
 - This item includes the mounting of any hardware necessary for proper installation.
 - If replacing an existing luminaire, the removal of the existing luminaire is included in this item.
 - This bid items includes the installation of the luminaire bulb, and the contractor **cannot bill bid**
- Item 84**
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 81. Install Luminaire - Cobra-Head or Offset (EACH)

Item 82. Install Luminaire - High Mast (EACH)

Item 83. Install Luminaire - Wall or Ceiling Mounted (EACH)

Luminaire Arm

Item 84. Provide and Install Luminaire arm (EACH)

- Item shall consist of providing/installing a luminaire arm on luminaire pole, wood pole, steel strain pole, or any other type of pole or structure specified. Arms may range in length from 12" to 20' or be a "C" type bracket.
- This item includes, but is not limited to, banding/banding straps, welding and bolting (Contractor shall provide the bolts) the arm to the pole or structure, and any other hardware necessary for installation. If removing an existing luminaire arm from a pole or structure, the removal shall be included in the installation of the new luminaire arm.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks. Luminaire arm will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, to allow for handling.

Fused Connector

Item 85. Install Fused connector (EACH)

- Item shall include installing one connector kit as well as installing the proper fuse in the connector.
- If replacing an existing fused connector, the removal of the existing fused connector is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 86. Replacement of Luminaire Bulb (EACH)

- Item includes the installing and replacing of any type of bulbs, LEDs, starters, drivers, and ballast kits for conventional or high mast luminaires.
- If replacing an existing items stated above, the removal of the existing items is included in this item.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Furnish and Install Sod

Item 87. Furnish and Install Sod (SF)

- The contractor shall furnish and install sod as specified in Kentucky 2019 Standard and Specifications for Road and Bridge Construction, Section 212 and 827.
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- Sod will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, to allow for handling.

School Flasher/Blinker Sign-AC or Solar

Item 88. Furnish and Install AC or Solar School Flasher (EACH)

- This item includes furnishing and installing materials to build the structure that holds the school flasher assembly that is installed on a span, luminaire pole, pedestal pole, steel strain pole, or wood pole. The contractor furnished school flasher assembly shall include brackets or pipes that mount the supplied beacons and signs.
- All signal heads (including LED module installation) and sign assembly shall be included in this item. The beacon cabinet (Item 36), conduits (items 13-25), electrical service (Item 58), grounding system (Item 60), and wire are incidental. The contractor **shall not bill for a traffic signal (Item 53) or sign (Item 76) when using this item.**
- If replacing an existing school flasher stated above, the removal of the existing school flashers is included in this item
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.
- AC or Solar Flasher will be invoiced at cost, as a separate line item, with documentation to show actual cost. 5% markup is allowed, to allow for handling.

Item 89. Install LFUCG provided AC or Solar School Flasher (EACH)

- This item includes installing materials to build the structure that holds the school flasher assembly that is installed on a span, luminaire pole, pedestal pole, steel strain pole, or wood pole. The school flasher assembly shall include brackets or pipes that mount LFUCG supplied beacons and signs.
- All signal heads (including LED module installation) and sign assembly shall be included in this item. LFUCG shall supply signal heads, LED modules, signs, one way span hangers, and pole mounted hardware. **The electrical service (Item 58), grounding system (Item 60), and wire are incidental to the item. The contractor shall not bill for a traffic signal (Item 53) or sign (Item 76) when using this item.**
- If replacing an existing school flasher stated above, the removal of the existing school flashers is included in this item
- This item includes all equipment, labor and electrician supervisor hours needed to perform these tasks.

Item 90. Furnish and Install AC or Solar Blinker Sign (EACH)

- This item includes furnishing and installing materials to build the structure that holds the blinker sign assembly that is installed on a span, luminaire pole, pedestal pole, steel strain pole, or wood pole. The furnished blinker sign assembly shall include brackets or pipes that mount the contractor furnished blinker signs. **The blinker cabinet (Item 36), conduits (items 13-25), electrical service (Item 58), grounding system (Item 60), and wire shall be incidental and will not be billed separately. The contractor shall not bill for a sign (Item 76) when using this item.**
- If replacing an existing items stated above, the removal of the existing items is included in this item.
- This includes all equipment, labor and electrician supervisor hours to perform these tasks.

Item 91. Relocate Solar Blinker Sign or Relocate RRFB Pedestal

- This includes all equipment, labor and electrician supervisor hours to perform these tasks.
- This task includes relocating existing roadside equipment to a destination no greater than ¼ mile from the existing location. This item assume no new equipment will be necessary but may require additional mounting hardware. Mounting/Base hardware shall be incidental to this item. New Traffic Signal Installation

The contractor shall be required to install a complete traffic signal and make all wiring connections and terminations.

A full description of the work to be done shall accompany the work order. All work must be completed by the vendor in accordance with the contract plans, and specifications and will be inspected by the Division of Traffic Engineering before final acceptance. Note: Quotes regarding a new traffic signal installation are for a complete installation with all listed items included in the quote. "Individual items listed in the contract cannot be billed separately, however, specifications outlined within the contract for individual items shall be adhered to."

Special New Traffic Signal Installation Notes:

(All heights shall be measured from the bottom of the signal head).

- All traffic signals and flasher signal sections installed by the contractor shall be a minimum of 17-feet above the roadway unless a lower elevation has been approved by the Division of Traffic Engineering.
- All pedestrian signals installed by the contractor shall be a minimum of 8-feet above surface grade, sidewalk, and/or proposed grade.
- Pedestrian signal heights shall match the height of existing pedestrian signals, if the existing pedestrian signals are higher than 8-feet, pedestrian signal heights shall not exceed 10-feet above surface grade, sidewalk, and/or proposed grade to the bottom of the signal).
- All pedestrian push buttons installed by the contractor shall be 36-inches above surface grade, sidewalk, or proposed grade.
- All tether spans installed by the contractor shall be a minimum of 17-feet above the roadway unless a lower elevation has been approved by the Division of Traffic Engineering.
- All materials supplied by the LFUCG, Division of Traffic Engineering that are not used/needed by the contractor shall be returned to the Division of Traffic Engineering.
- All materials or equipment picked up by the contractor shall be the sole responsibility of the contractor until the project is completed and accepted by the LFUCG Division of Traffic Engineering.
- Any equipment or material damages or loses due to contractor carelessness, negligence shall be replaced by the contractor at their cost.
- Strain pole specifications may vary depending on the location and use. Specifications shall be determined by the Division of Traffic Engineering.
- Pole height, minimum load yield and Maximum deflection rate will be given as specifications for the Strain pole, the responsibility for the strain poles meeting these specifications is the contractors.
- Completed product shall include strain pole, concrete base with reinforcing rods, anchor bolts and all other materials needed to complete the installation in soil or rock, #6 copper ground wire, ground rod, pole cap, hand hole cover, conduits, (All items shall match manufacturers specifications).
- Each pole base shall have (1) 3/4-inch PVC conduit (for the ground wire to route outside the strain pole base to the ground rod) and three (3) 2-inch PVC conduits.

Item 92. 2" HDPE conduits (LF)

- If there are existing conduits, the conduits installed by the contractor shall be connected to existing conduits.
- Contractor shall provide a sketch as to which direction the conduits are pointing outside the strain pole base.
- The controller pole shall have additional conduits of four (4) 2-inch HDPE conduits.
- The pole where the electric service and fiber optic cables are to be attached shall have one (1) 2-inch HDPE conduit (Communications) and one (1) 1&1/4-inch HDPE steel conduit (Electric Service) installed in the concrete (outside the mast arm strain pole).
- These specifications are for a complete installation and shall be as such.
- All concrete and reinforcement for pole bases shall comply with Kentucky Department of Highways construction standards.

- All new traffic signal installations shall have a transfer switch installed per guidelines in the contract

Item 93. Install complete 5-Phase to 8-Phase Signalized Intersection and make all wiring connections and terminations (Installation Using Strain Poles). (LS)

- LFUCG shall supply all traffic signal equipment: Traffic Signals with mounting hardware, traffic sensors, signal cable, loop lead-in cable, splice boots and traffic signs, etc.
- Contractor shall supply all electrical supplies, pole line hardware, span, and strain poles plus installation as outlined in this bid package. Poles are to be invoiced as a separate line item, with documentation showing cost. 5% markup is allowed for manufacturer delivery and handling.
- Contractor shall supply all loop wire (IMSA 51-5) and Loop Sealant needed (BONDO P-606), any substitutes to these Materials must have prior approval by the Division of Traffic Engineering.
- Contractor shall install all equipment and materials supplied by the LFUCG, Division of Traffic Engineering, and make all wiring connections according to plans provided.
- Bid quote shall be for with or without signal/sign tether.

Installation items shall be as follows:

- Two to Four poles
- Ten Traffic Signals (3, 4 and/or 5-section)
- Eight Pedestrian Signals (Pedestal Mount or Pole Mount)
- Eight Pedestrian Push Buttons with pedestrian push button signs
- One Controller Cabinet Base
- One Controller cabinet
- Four Presence Loops
- One Electrical Service W/ 40-amp. Breaker Type Disconnect (No Substitutes), as outlined in bid.
- One Conduit for Communications, as outlined in bid
- Four overhead signs
- All Span wire and Hardware
- All Signal Cable, Loop Feeder, Splice Boots, etc. associated with the complete installation.
- Two to Four Overhead Sensors.
- One (1) Observation Camera

Item 94. Install complete 5-Phase to 8-Phase Signalized Intersection and make all wiring connections and terminations (Installation Using Wood Poles). (LS)

- LFUCG shall supply all traffic signal equipment: Traffic Signals with mounting hardware, traffic sensors, signal cable, loop lead-in cable, splice boots and traffic signs, etc.
- Contractor shall supply all electrical supplies, and strain poles plus installation as outlined in this bid package. Poles are to be invoiced as a separate line item, with documentation showing cost. 5% markup is allowed for manufacturer delivery and handling.
- Contractor shall supply all loop wire (IMSA 51-5) and Loop Sealant needed (BONDO P-606), any substitutes to these Materials must have prior approval by the Division of Traffic Engineering.
- Contractor shall install all equipment and materials supplied by the LFUCG, Division of Traffic Engineering, and make all wiring connections according to plans provided.

- Bid quote shall be for with or without signal/sign tether.

Installation items shall be as follows:

- Two to Four Wood Poles (35-foot and/or 45-foot Class 4) Length of wood pole shall be determined by the LFUCG, Division of Traffic Engineering.
- Ten Traffic Signals (3, 4 and/or 5-section)
- Eight Pedestrian Signals (Pedestal Mount or Pole Mount)
- Eight Pedestrian Push Buttons with pedestrian push button signs
- One Controller Cabinet Base
- One Controller cabinet
- Four Presence Loops
- One Electrical Service W/ 30-amp. Breaker Type Disconnect (No Substitutes), as outlined in bid.
- One Conduit for Communications, as outlined in bid.
- Four overhead signs
- Up to 4 LED Street Name Signs
- All Span wire and Hardware
- All Signal Cable, Loop Feeder, Splice Boots, etc. associated with the complete installation.
- Four (4) to Eight (8) down-guys (sidewalk type and/or standard type).
- Two to Four Overhead Sensors
- One (1) Observation Camera

Item 95. Install complete Flasher Signalized Intersection and make all wiring connections and terminations (Installation using wood poles). (LS)

- LFUCG shall supply all traffic signal equipment, traffic Signals with mounting hardware, signal cable, splice boots and traffic signs.
- Contractor shall supply all electrical supplies, pole line hardware, and wood poles as outlined in bid package.
- Contractor shall install all equipment and materials supplied by the LFUCG, Division of Traffic Engineering, and make all wiring connections according to plans provided.
- Bid quote shall be for with or without signal/sign tether, and Pick-up if needed.

Installation items shall be as follows:

- Two to Four (2 to 4) Wood Poles (35-foot and/or 45-foot Class 4) (Length of wood pole shall be determined by the LFUCG, Division of Traffic Engineering).
- Six to Eight (6 to 8) 12-inch Signal Sections
- One (1) Pole Mount Flasher cabinet
- One (1) Electrical Service, as outlined in bid.
- One (1) 1&1/4" Conduit for signal cables.
- All overhead signs
- All Span wire and Hardware
- All Signal Cable, Loop Feeder, Splice Boots, etc. associated with the complete installation.
- Two to Four (2 to 4) down-guys (sidewalk type and/or standard type)

Item 96. Install complete 5-Phase to 8-Phase Signalized Intersection and make all wiring connections and terminations (Installation Using Mast Arm Strain Poles) (LS)

- LFUCG shall supply all traffic signal equipment: Traffic Signals w/mounting hardware, video detection cameras w/power cables and Coaxial Cable, signal cable, loop lead-in cable, and traffic signs w/mounting hardware, etc.
- Contractor shall supply all electrical supplies, up to five (5) junction boxes, and mast arm strain poles plus installation as outlined in this bid package. Junction boxes will be one (1) Junction box type A at each mast arm pole and one (1) junction box type C at the controller cabinet.
- Poles are to be invoiced as a separate line item, with documentation showing cost. 5% markup is allowed for manufacturer delivery and handling.
- Contractor shall supply all loop wire (IMSA 51-5) and Loop Sealant needed (BONDO P-606), any substitutes to these Materials must have prior approval by the Division of Traffic Engineering.
- Contractor shall install all equipment and materials supplied by the LFUCG, Division of Traffic Engineering, and make all wiring connections according to plans provided.

Installation items shall be as follows:

- Three (3) to Four (4) Mast Arm Strain Poles
- Ten Traffic Signals (3, 4 and/or 5-section)
- Up to 4 LED Street Name Signs
- Eight Pedestrian Signals (Pedestal Mount or Pole Mount)
- Eight Pedestrian Push Button Signs
- One Controller Cabinet Base
- One Controller cabinet
- Four Presence Loops
- One Electrical Service W/Disconnect (Breaker Type, No Substitutes)
- One Conduit for Communications
- Four junction boxes as marked on signal plans
- Four overhead signs
- All Span wire and Hardware
- All Signal Cable, Loop Feeder, etc. associated with the complete installation.
- Two to Four Overhead Sensors
- Four (4) 2" HDPE between each Mast Arm Strain Pole and nearest junction box.
- The controller junction box shall be Type C with one (1) 3" HDPE conduit, four (4) 2" HDPE conduit, and two (2) 1" conduit stubbed from cabinet junction box to the cabinet.
- Install up to 1,200-feet of 2-inch HDPE conduit by boring without additional costs.
- One (1) Observation Camera provided and installed.

Item 97. Install complete 8-Phase Signalized Intersection and make all wiring connections and terminations (Installation Using Double Mast Arm Strain Poles). (LS)

- LFUCG shall supply all traffic signal equipment: Traffic Signals w/mounting hardware, video detection cameras w/power cables and Coaxial Cable, signal cable, loop lead-in cable and traffic signs w/mounting hardware, etc.

- Contractor shall supply all electrical supplies, up to four (4) junction boxes, and mast arm strain poles plus installation as outlined in this bid package.
- Poles are to be invoiced as a separate line item, with documentation showing cost. 5% markup is allowed for manufacturer delivery and handling.
- Contractor shall supply all loop wire (IMSA 51-5) and Loop Sealant needed (BONDO P-606), any substitutes to these materials must have prior approval by the Division of Traffic Engineering.
- Contractor shall install all equipment and materials supplied by the LFUCG, Division of Traffic Engineering, and make all wiring connections according to plans provided.

Installation items shall be as follows:

- One to Two (1 or 2) Double Mast Arm Strain Poles
- Ten Traffic Signals (3, 4 and/or 5-section)
- Up to 4 LED Street Name signs
- Eight Pedestrian Signals (Pedestal Mount or Pole Mount)
- Eight Pedestrian Push Button Signs
- One Controller Cabinet Base
- One Controller cabinet
- Four Presence Loops
- One Electrical Service W/Disconnect (Breaker Type, No Substitutes), as outlined in bid
- One Conduit for Communications, as outlined in bid
- Four junction boxes as marked on signal plans
- Four overhead signs
- All Span wire and Hardware
- All Signal Cable, Loop Feeder, etc. associated with the complete installation.
- Two to Four Overhead Sensors
- Four (4) 2" HDPE between each Mast Arm Strain Pole and nearest junction box.
- The controller junction box shall be Type C with one (1) 3" HDPE conduit, four (4) 2" HDPE conduit, and two (2) 1" conduit stubbed from cabinet junction box to the cabinet.
- Install up to 1,200-feet of 2-inch HDPE Conduit by boring without additional costs.
- One (1) Observation Camera

Item 98. Provide and Install Mast Arm Strain Pole (see specifications). (EACH)

- When the vendor purchases mast arm strain poles for the Division of Traffic Engineering they shall provide the Division of Traffic Engineering with documentation showing the mast strain poles they purchased meet the required specifications in this contract.
- Contractor shall provide all materials and equipment. Strain pole specifications may vary depending on the location and use.
- Poles are to be invoiced as a separate line item, with documentation showing cost. 5% markup is allowed for manufacturer delivery and handling.
- Specifications shall be determined by the Division of Traffic Engineering.

Item 99. Provide and Install Double Mast Arm Strain Pole (see specifications). (EACH)

- When the vendor purchases double mast arm strain poles for the Division of Traffic Engineering they shall provide the Division of Traffic Engineering with documentation showing the mast strain poles they purchased meet the required specifications in this contract.
- Poles are to be invoiced as a separate line item, with documentation showing cost. 5% markup is allowed for manufacturer delivery and handling.
- Contractor shall provide all materials and equipment.

Item 100. Demolish 5 to 8-phase signalized intersection. (LS)

- Remove all old traffic signal equipment and drop off (as directed by Traffic Engineering) at Operational Adjustment Center.
- Discard all unusable materials as directed by traffic engineering.
- Reduce all old concrete pads to below grade level (up to four (strain pole base, base mount controller cabinet base, up to four pedestrian signal pedestal bases)
- Provide necessary equipment/materials, concrete, soil, seed, straw to restore area to original condition.

On-Call and On-Call First Response

1. For on-call first response, the Contractor shall have two electricians on call when directed by the Construction supervisor. These individuals shall be located in the district when they are on-call. These individuals shall attend Cabinet training that will familiarize them with the procedures and responsibilities of these individuals during the on-call time.
2. The Contractor shall have a utility truck per individual and shall have one bucket truck located in the District while these individuals are on call. **The vehicles shall be incidental to the bid items for On-Call and On-Call First Response.**
3. If the Contractor is called out to a traffic signal, it is their responsibility to repair the signal back to its original state. If there is no power to the signal or it takes the Contractor longer than three hours on one signal, the contractor shall notify the Construction Supervisor (or his designee) that the signal could not be repaired and must provide the status of the signal. The Construction supervisor will give instructions of how they prefer to be notified when there is a problem with a signal. If the traffic signal pole or cabinet has been destroyed, the contractor shall notify the Construction Supervisor to initiate the proper procedures to complete necessary repair work.
4. The Construction Supervisor shall be responsible for verifying contractor response time and work quality for on-call work. Field inspections will be used to perform this supervision.
5. If a traffic signal pole or cabinet has been destroyed, the Construction Supervisor will notify the contractor to send a crew for emergency work. If the power is not working, the Construction Supervisor will advise the contractor on how to proceed.
6. If the contractor is required to work on a weekend, the Construction Supervisor will inform the contractor 2 days in advance. The weekends shall include Friday night, Saturday, and Sunday. If it is not a weekend the Construction supervisor will contact the Contractor 24 hours in advance.

Item 101. On-Call (HOUR)

A maximum hourly rate has been set for this line item. This item shall be the price for the contractor to put one electrician on-call per hour. The unit price shall not exceed \$10.00 per electrician per hour. This contract requires two electricians to be on-call if the Construction supervisor puts the Contractor on-call. On-call status requires that employees be present in the district. All expenses such as hotel and meals shall be incidental. Work vehicles shall be incidental to this item. Labor and equipment hours (Lines 1-11) shall not be billed for any individual utilizing the on-call bid item.

Item 102. On-Call First Response with Service Vehicle (HOUR)

This item shall be a pay item and added upon award. The hourly rate for this line item shall be the vendor's price for line item 1 + 5% + the bid price for line item 4.

This item shall include the price for one electrician per hour to troubleshoot and repair a traffic signal. This also shall cover the individual having a utility truck. This paid item should be used initially for both electrician if they do on-call first response. There shall be only 1 bucket truck per two-man crew. Work vehicles shall be incidental to this item. Labor and equipment hours (Lines 1-11) shall not be billed for any individual providing on-call bid item.

Item 103. On-Call First Response with Bucket Truck (HOUR)

This item shall be a pay item and added upon award. The hourly rate for this line item shall be the vendor's price for line item 1 + 5% + the bid price for line item 5.

This item shall include the price for one electrician per hour to troubleshoot and repair a traffic signal. This also shall cover the individual having a bucket truck. This item will be only used when a bucket truck is required to do overhead maintenance. There shall be only 1 bucket truck per two-man crew. Labor and equipment hours (Lines 1-11) shall not be billed for any individual providing on-call bid item.

Item 104. Furnish and Install 1 1/4" Rigid Steel Directional Boring (LF)

Item 105. Furnish and Install 1 1/4" HDPE Directional Boring (LF)

Response Time

See Section 1.00 Response Time for routine work and emergency work specifications. The Vendor agrees that when response is not made within the contracted due date, one percent (1%) per day shall be deducted from the vendor's invoice for each day the vendor fails to meet the contracted delivery date.

Inspection

All supplies, equipment and services shall be subject to inspection or tests by LFUCG prior to acceptance. In the event supplies, equipment or services are defective in material or workmanship or otherwise not in conformity with specified requirements, LFUCG shall have the right to reject the items or services or require acceptable correction at the vendor's expense.

Special Notes to Bidder:

All equipment must be new and current model(s).

During the period of the contract, a modification shall not be permitted in any of its conditions and specifications, unless the contractor receives electronic or written approval from the LFUCG Division of Procurement. If the contractor finds at any time that existing conditions make modification in requirements necessary, the contractor shall report the matter promptly to the LFUCG Division of Procurement.

No shipments or services are authorized until an official purchase order has been fully processed.

LFUCG reserves the right to add new and similar items, with the consent of the vendor, to the contract.

Please submit requested certifications with your bid.

Please log in to your lonwave account to submit pricing under the line items tab. Once you have completed and uploaded your bid package, you will need to click "yes" on the attributes tab.

Bid 25-2026 Traffic Signal Maintenance Supplemental

Special Notes to Bidder:

For the sake of keeping this bid consistent with the original bid format, please mark “no bid” on the following items:

#92 as this should not be a bid item, all the bullets below it should have been tied to “Special New Traffic Signal Installation Notes”.

#4 as it should have been a header and description for items 5-12.

Please select no bid on item #42 and price item #98.

We will allow a 5% markup on this item # 90.

Items # 99 the poles are default galvanized. We spec it when designed and assume this will be part of the pole cost.

**RISK MANAGEMENT PROVISIONS
INSURANCE AND INDEMNIFICATION
Bid # 25-2026 Traffic Signal Maintenance Supplemental**

INDEMNIFICATION AND HOLD HARMLESS PROVISION

- (1) It is understood and agreed by the parties that Contractor hereby assumes the entire responsibility and liability for any and all damages to persons or property caused by or resulting from or arising out of any act or omission on the part of Contractor or its employees, agents, servants, owners, principals, licensees, assigns or subcontractors of any tier (hereinafter "CONTRACTOR") under or in connection with this agreement and/or the provision of goods or services and the performance or failure to perform any work required thereby.
- (2) CONTRACTOR shall indemnify, save, hold harmless and defend the Lexington-Fayette Urban County Government and its elected and appointed officials, employees, agents, volunteers, and successors in interest (hereinafter "LFUCG") from and against all liability, damages, and losses, including but not limited to, demands, claims, obligations, causes of action, judgments, penalties, fines, liens, costs, expenses, interest, defense costs and reasonable attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, from or by CONTRACTOR's performance or breach of the agreement and/or the provision of goods or services provided that: (a) it is attributable to personal injury, bodily injury, sickness, or death, or to injury to or destruction of property (including the loss of use resulting therefrom), or to or from the negligent acts, errors or omissions or willful misconduct of the CONTRACTOR; and (b) not caused solely by the active negligence or willful misconduct of LFUCG.
- (3) In the event LFUCG is alleged to be liable based upon the above, CONTRACTOR shall defend such allegations and shall bear all costs, fees and expenses of such defense, including but not limited to, all reasonable attorneys' fees and expenses, court costs, and expert witness fees and expenses, using attorneys approved in writing by LFUCG, which approval shall not be unreasonably withheld.
- (4) These provisions shall in no way be limited by any financial responsibility or insurance requirements, and shall survive the termination of this agreement.
- (5) LFUCG is a political subdivision of the Commonwealth of Kentucky. CONTRACTOR acknowledges and agrees that LFUCG is unable to provide indemnity or otherwise save, hold harmless, or defend the CONTRACTOR in any manner.

FINANCIAL RESPONSIBILITY

BIDDER/CONTRACTOR understands and agrees that it shall, prior to final acceptance of its bid and the commencement of any work, demonstrate the ability to assure compliance with the above Indemnity provisions and these other risk management provisions.

INSURANCE REQUIREMENTS

YOUR ATTENTION IS DIRECTED TO THE INSURANCE REQUIREMENTS BELOW, AND YOU MAY NEED TO CONFER WITH YOUR INSURANCE AGENTS, BROKERS, OR CARRIERS TO DETERMINE IN ADVANCE OF SUBMISSION OF A RESPONSE THE AVAILABILITY OF THE INSURANCE COVERAGES AND ENDORSEMENTS REQUIRED HEREIN. IF YOU FAIL

TO COMPLY WITH THE INSURANCE REQUIREMENTS BELOW, YOU MAY BE DISQUALIFIED FROM AWARD OF THE CONTRACT.

Required Insurance Coverage

BIDDER/CONTRACTOR shall procure and maintain for the duration of this contract the following or equivalent insurance policies at no less than the limits shown below and cause its subcontractors to maintain similar insurance with limits acceptable to LFUCG in order to protect LFUCG against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by CONTRACTOR. The cost of such insurance shall be included in any bid:

<u>Coverage</u>	<u>Limits</u>
General Liability (Insurance Services Office Form CG 00 01)	\$1 million per occurrence, \$2 million aggregate or \$2 million combined single limit
Commercial Automobile Liability (Insurance Services Office Form CA 0001)	combined single, \$1 million per occurrence
Worker's Compensation	Statutory
Employer's Liability	\$500,000.00

The policies above shall contain the following conditions:

- a. All Certificates of Insurance forms used by the insurance carrier shall be properly filed and approved by the Department of Insurance for the Commonwealth of Kentucky (DOI). LFUCG shall be named as an additional insured in the General Liability Policy and Commercial Automobile Liability Policy using the Kentucky DOI approved forms.
- b. The General Liability Policy shall be primary to any insurance or self-insurance retained by LFUCG.
- c. The General Liability Policy shall include a Products and Completed Operations endorsement or Premises and Operations Liability endorsement unless deemed not to apply by LFUCG.
- d. LFUCG shall be provided at least 30 days advance written notice via certified mail, return receipt requested, in the event any of the required policies are canceled or non-renewed.
- e. Said coverage shall be written by insurers acceptable to LFUCG and shall be in a form acceptable to LFUCG. Insurance placed with insurers with a rating classification of no less than Excellent (A or A-) and a financial size category of no less than VIII, as defined by the most current Best's Key Rating Guide shall be deemed automatically acceptable.

Renewals

After insurance has been approved by LFUCG, evidence of renewal of an expiring policy must be submitted to LFUCG, and may be submitted on a manually signed renewal endorsement form. If the policy or carrier has changed, however, new evidence of coverage must be submitted in accordance with these Insurance Requirements.

Deductibles and Self-Insured Programs

IF YOU INTEND TO SUBMIT A SELF-INSURANCE PLAN IT MUST BE FORWARDED TO LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT, DIVISION OF RISK MANAGEMENT, 200 EAST MAIN STREET, LEXINGTON, KENTUCKY 40507 NO LATER THAN A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO THE RESPONSE DATE. Self-insurance

programs, deductibles, and self-insured retentions in insurance policies are subject to separate approval by Lexington-Fayette Urban County Government's Division of Risk Management, upon review of evidence of BIDDER/CONTRACTOR's financial capacity to respond to claims. Any such programs or retentions must provide LFUCG with at least the same protection from liability and defense of suits as would be afforded by first-dollar insurance coverage. If BIDDER/CONTRACTOR satisfies any portion of the insurance requirements through deductibles, self-insurance programs, or self-insured retentions, BIDDER/CONTRACTOR agrees to provide Lexington-Fayette Urban County Government, Division of Risk Management, the following data prior to the final acceptance of bid and the commencement of any work:

- a. Latest audited financial statement, including auditor's notes.
- b. Any records of any self-insured trust fund plan or policy and related accounting statements.
- c. Actuarial funding reports or retained losses.
- d. Risk Management Manual or a description of the self-insurance and risk management program.
- e. A claim loss run summary for the previous five (5) years.
- f. Self-Insured Associations will be considered.

Safety and Loss Control

CONTRACTOR shall comply with all applicable federal, state, and local safety standards related to the performance of its works or services under this Agreement and take necessary action to protect the life, health and safety and property of all of its personnel on the job site, the public, and LFUCG.

Verification of Coverage

BIDDER/CONTRACTOR agrees to furnish LFUCG with all applicable Certificates of Insurance signed by a person authorized by the insurer to bind coverage on its behalf prior to final award, and if requested, shall provide LFUCG copies of all insurance policies, including all endorsements.

Right to Review, Audit and Inspect

CONTRACTOR understands and agrees that LFUCG may review, audit and inspect any and all of its records and operations to insure compliance with these Insurance Requirements.

DEFAULT

BIDDER/CONTRACTOR understands and agrees that the failure to comply with any of these insurance, safety, or loss control provisions shall constitute default and that LFUCG may elect at its option any single remedy or penalty or any combination of remedies and penalties, as available,

including but not limited to purchasing insurance and charging BIDDER/CONTRACTOR for any such insurance premiums purchased, or suspending or terminating the work.

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