

**SOLICITATION FOR
LANCASTER COUNTY
OVERHEAD ILLUMINATED SIGNS AND GROUND
MOUNTED SIGNS ALONG US 521**

**BID NUMBER
500200414**



MEAD & HUNT, INC.
for

Lancaster County Government
P.O. Box 1809
101 N. Main St
Lancaster, SC 29720
Phone 803-416-9963
Fax 877-636-7960

BID DOCUMENT

March 24, 2020

SET NO. _____

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LANCASTER COUNTY
Central Procurement, 101 N. Main St, Lancaster, SC 29720
Ph: (803) 416-9963 / Fax: (877) 636-7960

INVITATION FOR BIDS

BID NUMBER: **500200414**

DATE: **March 24, 2020**

OPENING DATE AND TIME: **April 14, 2020 @ 2:00 PM E.S.T.**

OPENING LOCATION: Lancaster County Government
County Council Chambers
101 N. Main St
Lancaster, SC 29720

MAILING ADDRESS: Lancaster County Procurement
Cathy McDaniel
P.O. Box 1809
101 N. Main St, Lancaster, SC 29720

PROCUREMENT FOR: **Overhead Illuminated Signs and Ground Mounted Signs Along US 521**

Subject to the conditions, provisions and the enclosed specifications, sealed bids will be received at this office until the stated date and time and then publicly opened. Any bid received after the scheduled deadline, will be immediately disqualified. The County assumes no responsibility for delivery of bids which are mailed. Submission must include at least one paper copy and one electronic copy on USB drive, complete with signatures, in a sealed envelope. No faxed bids will be permitted.

IT IS REQUIRED THAT THE BID NUMBERS MUST BE SHOWN ON THE OUTSIDE OF ENVELOPE. ANY ENVELOPE THAT DOES NOT SHOW BID NUMBERS WILL BE RETURNED TO THE VENDOR

DIRECT ALL INQUIRES TO: _____
Cathy McDaniel
Procurement Director

NOTICE TO BIDDERS: There will not be a Pre-Bid Conference for this project. Please submit any questions to Cathy McDaniel prior to the deadline for questions. All changes to the bid documents will be addressed through an addendum. Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract. All amendments to and interpretations of this solicitation shall be in writing and issued by Lancaster County Procurement. Lancaster County shall not be legally bound by any amendment or interpretation that is not in writing.

Bidders must submit security in the form of a certified check or bid bond in the amount of five percent (5%) of the total bid; made payable to Lancaster County Government. The successful Bidder will be required to furnish satisfactory Payment and Performance Bonds for the full amount of the Contract. Bids shall be executed on bid forms provided with the bidding documents in accordance with the Instructions to Bidders.

If you have obtained this solicitation by download from the internet; it is the responsibility of the bidder to email cdmcdaniel@lancastersc.net to be registered as a potential bidder to receive any subsequent amendments. Deadline for questions is April 7, 2020 at 4:00 p.m. All questions must be submitted in writing.

SOLICITATION #: 500200414

PROCUREMENT: Overhead Illuminated Signs and Ground Mounted Signs Along US 521

"NO BID" RESPONSE FORM

To submit a "No Bid" response for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced. If you do not respond your name may be removed from this bidders list. **In order to ensure that the County file has current information, or if you wish to be added to this solicitation's bidder listing, you must also return the Certificate of Familiarity form completed in its entirety.**

Note: Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your "No Bid" response --

- Specifications are restrictive; i.e. geared toward one brand or manufacturer only (explain below).
- Specifications are ambiguous (explain below).
- We are unable to meet specifications.
- Insufficient time to respond to the solicitation.
- Our schedule would not permit us to perform.
- We are unable to meet bond requirements.
- We are unable to meet insurance requirements.
- We do not offer this product or service.
- Remove us from your vendor list for this commodity/service.
- Other (specify below).

Comments:

Company Name (as registered with the IRS)

Authorized Signature

Correspondence Address

Printed Name

City, State, Zip

Title

E-mail Address (Please Print)

Date

Telephone

Fax

BOND REQUIREMENTS

1. **BID BOND:** Each offeror shall submit with his Bid a Bid Bond with a good and sufficient surety or sureties company licensed in South Carolina, in the amount of five percent (5%) of the total Bid amount. The Bid bond penalty may be expressed in terms of a percentage of the Bid price or may be expressed in dollars and cents.

CERTIFIED CHECKS: If a certified check is submitted in lieu of a Bid bond, it will be made payable to Lancaster County Government, in the amount of 5% of the total Bid amount.

Bid Bonds/Certified Checks will be returned to the unsuccessful offerors after award and will be returned to the successful offeror after acceptance of the final contract by the offeror.

2. **PERFORMANCE AND PAYMENT SURETY:** The successful contractor shall pay the cost and furnish within ten days after written notice of acceptance of Bid, an irrevocable Surety in the form of a Performance and Payment Bond, Certificate of Deposit, Cashier's Check or irrevocable letter of credit. The Surety shall be issued in the amount of 100% of the total contract covering the entire term of the contract as awarded.

OPTION 1: PERFORMANCE BOND: Bond must be issued by a Surety Company licensed to do business in South Carolina, with an "A" minimum rating of performance as stated in the most current publication of "Best's Key Rating Guide, Property Liability" which shall show a financial strength rating of at least five (5) times the contract price. Each bond shall be accompanied by a Power of Attorney, authorizing the attorney-in-fact to bind the surety and certified to include the date of the bond.

OPTION 2: A CERTIFIED CHECK: Equal to 100% of the contract amount to be retained by Lancaster County until satisfactory completion of the contract.

OPTION 3: IRREVOCABLE LETTER OF CREDIT: Shall be issued by a Financial Institution insured by the FDIC or FSLIC in the amount of 100% of contract amount.

FAILURE TO SUBMIT A PROPER AND CORRECT BID GUARANTEE WILL RESULT IN THE REJECTION OF YOUR BID.

INSTRUCTIONS TO BIDDERS

1. Bidders must provide at least one (1) paper copy and one (1) USB drive copy of bid complete with signatures unless otherwise stated.
2. Bids, amendments or withdrawal request must be received by the time advertised for bid openings to be timely filed. It is the vendor's sole responsibility to ensure that these documents are received by the Procurement Office at the time indicated in the bid document.
3. Bidders name shall be on any specification or descriptive papers submitted with the bid invitation.
4. Submit your signed bid on the forms provided. Show bid number on envelope as instructed. Lancaster County assumes no responsibility for unmarked or improperly marked envelopes. Unsigned bids will be rejected.
5. Bidders must clearly mark as "Confidential" each part of their bid which they consider to be proprietary information that could be exempt from disclosure under Section 30-4-4C Code of Laws of South Carolina, 1976, (1986 Cum Supp) Freedom of Information Act. The County reserves the right to determine whether this information should be exempt from disclosure and no legal action may be brought against the County or its agents for its determination in this regard.
6. By submission of a bid, you are guaranteeing that all goods and services meet the requirements of the solicitation during the contract period.
7. This solicitation does not commit Lancaster County to award a contract, to pay any cost incurred in the preparation of the bid, or to procure or contract for goods or services listed herein.
8. **CORRECTION OF ERRORS ON THE BID FORM:** All prices and notations shall be printed in ink or typewritten. Errors should be crossed out, corrections entered and initialed by the person signing the bid. Erasures or use of typewriter correction fluid may be cause for rejection. No bid shall be altered or amended after specified time for opening.
9. **BIDDERS SCHEDULE:** Enter the manufacturer, brand, and model/catalog number, as applicable, and your bid price in the space provided on the bidder's schedule. Additional pages may be attached, when applicable, for alternates, etc.
10. **NOTIFICATION:** Intent to Award and/or Statement of Award will be posted on the Lancaster County web site at www.mylancastersc.org.
11. **RIGHT TO PROTEST:** Any prospective bidder, offeror, or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Procurement Manager within ten (10) calendar days of the date of issuance of the Invitation to Bid, Requests for Proposals or other solicitation documents, whichever is applicable, or any amendment thereto, if the amendment is at issue. Any actual bidder, offeror, or contractor, who is aggrieved in connection with the intended award or award of a contract, shall protest in writing to the procurement manager within ten (10) calendar days of the notification of intent to award or statement of award.
12. **PROTEST PROCEDURE:** A protest shall be in writing, submitted to the procurement manager, and shall set forth the specific grounds of the protest with enough particularity to give notice of the issues to be decided.
13. **QUESTIONS REGARDING SPECIFICATIONS AND/OR THE BIDDING PROCESS:** To ensure fair consideration for all bidders, the County prohibits any type of communications to or with any department,

employee, or County official during the solicitation process, except as provided on the “Invitation For Bids” of the solicitation. This includes any communications initiated by a bidder to any County Official or employee evaluating or considering the bidder, prior to the time an award decision has been made public.

- A. Communications between the bidder and the County shall be initiated by the Procurement Office or the appropriate County representative in order to obtain necessary information or clarification needed to develop a proper and accurate evaluation of the bid. Any communications initiated by a bidder concerning the submitted bid shall be grounds for disqualifying the offending bidder from consideration for award of the bid and/or any future solicitations.
- B. It will be the sole responsibility of the bidder to contact the Procurement Office prior to submitting a bid to ascertain if any amendments or addendums have been issued in order to obtain all such documentation, and to return the executed documentation with their bid.
- C. Any question concerning this document, the specifications, or the bid process must be made in writing. These questions will be addressed at the Pre-Bid meeting or in a document after the Pre-Bid meeting. Verbal communication concerning the above items should be avoided.

GENERAL PROVISIONS

1. Lancaster County reserves the right to reject any and all bids, to cancel a solicitation, and to waive any technicality if deemed to be in the best interest of the County.
2. Unit prices will govern over extended prices unless otherwise stated in this bid invitation.
3. **PROHIBITION OF GRATUITIES:** Amended section 8-13-700 and 705 of the 1976 Code of Laws of South Carolina states: "Whoever gives or offers to any public official or public employee any compensation including a promise of future employment to influence his action, vote, opinion or judgment as a public official or public employee or such public official solicits or accepts such compensation to influence his action, vote, opinion or judgment shall be subject to the punishment as provided by Section 16-9- 210 and Section 16-9-220."
4. **BIDDERS QUALIFICATIONS:** Consideration will be given only to the contractors who can produce conclusive evidence that they can meet the following requirements:
 - A. Adequate capital and credit rating sufficient to complete all operations under this contract in a satisfactory manner.
 - B. An efficient office force with satisfactory record in expediting delivery of materials to field force, and capable of fulfilling proper liaison service with mechanical trade.
 - C. An adequate and efficient field force with extensive knowledge of all types of work involved under this contract.
 - D. A record of amicable relations with labor.
 - E. An adequate supply of applicable equipment in good operating condition to fulfill the contract.
5. **LICENSES, PERMITS, INSURANCE, & TAXES:** All costs for required licenses, permits, insurances and taxes shall be borne by the Contractor.
6. **INSURANCE:**
 - A. The amount and types of insurance required should be reasonably commensurate with the hazards and magnitude of the undertaking, but in no event of lesser amount nor more restrictive than the limits of liability and schedule of hazards below described. Without limiting its liability under the contract agreement, the Contractor shall procure and maintain, at its expense during the life of this contract, insurance of the types in the minimum amounts stated below:

SCHEDULE

LIMIT

WORKERS COMPENSATION

Statutory

As required by the State of South Carolina.

COMPREHENSIVE GENERAL LIABILITY

Premises Operations

\$1,000,000 Single Limit

Contractual Liability

Independent Contractors

Personal Injury

Products - Completed Operations

AUTOMOBILE LIABILITY

All Owned, Non-Owned, and Hired

\$ 100,000 Combined

- B. The Contractor's comprehensive general liability policy shall also include blanket contractual liability coverage or shall be endorsed to cover the liability assumed by the Contractor. Said insurance shall be written by a company or companies approved to do business in the State of South Carolina and acceptable to the County. Before commencing any work hereunder, certificates evidencing the maintenance of said insurance shall be furnished to the County of Lancaster. The County of Lancaster, its officials, employees and volunteers are to be covered as

insured's as respects: liability arising out of activities performed by or on behalf of the Contractor, including the insured's general supervision of the contract; products and completed operations of the Contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the County of Lancaster, its officials, employees or volunteers. To accomplish this objective, the County of Lancaster shall be named as an additional insured under the Contractor's insurance as outlined above.

- C. The Contractor shall take out and maintain, during the life of this contract, the statutory Workmen's Compensation and Employer's Liability Insurance for all of his employees to be engaged in work on the project under this contract, and in case any such work is sublet, the Contractor shall require the subcontractor similarly to provide Workmen's Compensation and Employer's Liability Insurance for all of the latter's employees to be engaged in such work.
- D. Contractor's insurance coverage shall be primary insurance as respects the County of Lancaster, its officials, employees and volunteers. Any insurance or self-insurance maintained by the County of Lancaster shall be in excess of the Contractor's insurance and shall not be required to contribute. To accomplish this objective, the following wording should be incorporated in the previously referenced additional insured endorsement:

Other Insurance: This insurance is primary, and our obligations are not affected by any other insurance carried by the additional insured whether primary, excess, contingent or on another basis.

- E. Each insurance required by the County of Lancaster shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days prior written notice by certified mail, return receipt requested, has been given to the County of Lancaster.
 - F. Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all the requirements stated herein.
 - G. All certificates and endorsements must be received and approved by the County of Lancaster within ten (10) days after notification of award.
 - H. The County, its officers and employees shall be named as an "additional insured" in the Automobile and General Liability policies and it shall be stated on the Insurance Certificate with the provision that this coverage "is primary to all other coverage the County may possess".
 - I. Lancaster County reserves the right to review and approve contracted vendor's insurance carrier.
7. **BIDDERS RESPONSIBILITY:** Each bidder shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this bid. It is expected that this will sometimes require on-site observation. The failure or omission of a bidder to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this bid or to the contract.
8. **AWARD CRITERIA:** The contract shall be awarded to the lowest responsible and responsive bidder(s) whose bid meets the requirements and criteria set forth in the Invitation for Bid. The award can be made to one or a multiple of contractors; whichever is in the best interest of the County, or unless otherwise stated on bidder's schedule.

All things considered equal, tied bids will be resolved by the flip of the coin.

9. **WAIVER:** The County reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the County.

10. **COMPETITION:** This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested Contractor to notify the Procurement Services Office in writing no less than five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.
11. **REJECTION:** Lancaster County reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the County.
12. **WORK HOURS:**
 - 12.1 The normal working hours per day will be limited from 7:00 AM E.S.T to 5:30 PM E.S.T Monday through Friday provided sufficient daylight is available.
 - 12.2 The Contractor shall not perform work on Saturday, Sunday or Holidays.
 - 12.3 The following days are recognized as holidays by the owner:
 - New Year's Day
 - Martin Luther King Day
 - Easter Monday
 - Memorial Day
 - Independence Day
 - Labor Day
 - Veterans Day
 - Day after Thanksgiving
 - Thanksgiving Day
 - Christmas Eve
 - Christmas Day
 - Day after Christmas
 - 12.4 When such recognized holidays fall on a Saturday or Sunday, the Owner may at its discretion, declare the preceding Friday or following Monday as a holiday. In the event that the Governor of the State/Board of County Commissioners shall declare any day or days preceding or following a holiday as a holiday, the Owner may, at its discretion, also declare such day or days as holidays.

GENERAL CONDITIONS

1. **DEFAULT:** In case of default by the Contractor, the County reserves the right to purchase any or all items in default in the open market, charging the Contractor with any excessive costs. Should such charge be assessed, no subsequent bids will be considered nor purchase orders issued to the defaulting Contractor until the assessed charge has been satisfied.
2. **NON-APPROPRIATION:** Any contract entered into by the County resulting from this bid invitation shall be subject to cancellation without damages or further obligation when funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period or appropriated year.
3. **INDEMNIFICATION:** The Contractor agrees to indemnify and hold harmless the County of Lancaster and all County officers, agents and employees from claims, suits, actions, damages and costs of every name and description, arising out of or resulting from the use of any materials furnished by the Contractor, provided that such liability is not attributable to negligence on the part of the County or failure of the County to use the materials in the manner outlined by the Contractor in descriptive literature or specifications submitted with the Contractor's bid.
4. **CONTRACT ADMINISTRATION:** Questions or problems arising after award of this contract shall be directed to the Procurement Officer. Copies of all correspondence concerning this contract shall be sent to the Procurement Manager, P.O. Box 1809, 101 N. Main St, Lancaster, SC 29720. All change orders must be authorized in writing by Lancaster County. Lancaster County shall not be bound to any change in the original contract unless approved in writing by Lancaster County.
5. **PUBLICITY RELEASES:** Contractor agrees not to refer to the award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the User. The Contractor shall not have the right to include the County's name in its published list of customers without prior approval of the County. With regard to news releases, only the name of the County, type and duration of contract may be used and then only with prior approval of the County. The Contractor also agrees not to publish, or cite in any form, any comments or quotes from the County staff unless it is a direct quote from the Public Information Officer.
6. **QUALITY OF PRODUCT:** Unless otherwise indicated in this bid it is understood and agreed that any items offered or shipped on this bid shall be new and in first class condition unless otherwise indicated herein.
7. **S.C. LAW CLAUSE:** Upon award of a contract under this bid, the person, partnership, association or corporation to whom the award is made must comply with the laws of South Carolina which require such person or entity to be authorized and/or licensed to do business with this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful bidder from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed bid, the bidder agrees to subject himself to the jurisdiction and process of the courts of the State of South Carolina as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.
8. **ASSIGNMENT:** No contract or its provisions may be assigned, sublet, or transferred without the written consent of the Procurement Manager.
9. **AFFIRMATIVE ACTION:** The successful bidder will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap. The Contractor agrees that it will not discriminate in hiring, promotion, treatment, or other terms and

conditions of employment based upon race, sex, national origin, age, disability, or in any way violation of Title VII of 1964 Civil Rights Act and amendments or the South Carolina Human Affairs Law, except as permitted by said laws.

10. **BIDDING CONDITION OF PRICE:** All bid prices submitted shall remain effective for a minimum period of 90 days, or until evaluation of bids is complete and award is made. Thereafter, the contract prices shall remain effective for the term of the contract.
11. **8% S.C. SALES TAX:** The County shall add 7% sales tax to all orders; however lump sum bids shall include sales tax in bid price unless otherwise noted. ***By submission of a signed bid, you are certifying, under penalties of perjury, that you comply with Title 12, Chapter 36, Article 1 of the SC Code of Laws relating to payment of any applicable taxes. This will certify to the County your compliance.***
 - A. Forms to register for all taxes administered by the South Carolina Department of Revenue may be obtained by calling the License and Registration Section at (803) 898-5872 or by writing to the South Carolina Department of Revenue, Registration Unit, Columbia, South Carolina 29214-0140.
12. **PAYMENT TERMS:** Payment will be made within thirty (30) days after receipt of an accurate, undisputed, and properly submitted invoice to the County after acceptance of completed order/project. Early payment discount, if available, will be calculated from date of acceptance. Application for payment shall reflect services completed through the last day of the month. **There will be no exceptions to these payment terms unless approval is obtained in writing from Lancaster County prior to bid opening date.** All invoices and correspondence shall be sent to Procurement Services, 101 N. Main St, P.O. Box 1809, Lancaster, SC 29720.
13. **BID REQUIREMENTS:** Bid requirements on the equipment specified are not intended to be restrictive to potential bidders but indicate the required features for satisfactory performance. Lancaster County will determine if minor deviations from these features are acceptable.
14. **DEVIATIONS FROM SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and successful bidder will therefore be held responsible. Deviations must be explained in detail on separate attached sheet(s). The listing of deviations, if any, is required but will not be construed as waiving any requirements of the specifications. Deviations found in the evaluation of the bid and not listed may be cause for rejection. Bidders offering substitute or equal items must provide information sufficient enough to determine acceptability of item offered.
15. **CONTRACT:** This bid and submitted documents, when properly accepted by Lancaster County along with a written purchase order, shall constitute a contract equally binding between the successful offeror, and Lancaster County. No different or additional terms will become a part of this contract with the exception of a Change Order.
16. **CHANGE ORDERS:** No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting contract. All change orders to the contract will be made in writing by the Procurement Manager.
17. **AMENDMENTS:** All amendments to and interpretations of this solicitation shall be in writing and issued by the Procurement Officer. Lancaster County shall not be legally bound by any amendment or interpretation that is not in writing.
18. **BID EVALUATION:** Bids received will be evaluated by the Procurement Manager or designee. However, based on bid total, final decision for bid award may rest with Lancaster County Council.

Factors to be considered during the evaluation process include, but are not limited to:

- A. Cost
- B. Reputation and dependability of the Contractor

19. **ARBITRATION:** Under no circumstances and with no exception will Lancaster County act as arbitrator between the contractors.
20. **DELIVERY:** Lancaster County requires that delivery be made to specified destination within the shortest time frame possible. Delivery shall arrive between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, provided that such day is not a legal holiday. The current purchase order number must be indicated on all delivery tickets.
21. **SHIPPING:** All deliveries shall be shipped F.O.B. point Destination-freight prepaid; the seller pays and bears all freight charges; collect shipments will not be accepted. It is agreed by the parties hereto that delivery by the Contractor to the common carrier does not constitute delivery to the County. Any claim for loss or damage shall be between the Contractor and the carrier.
22. **"OR APPROVED EQUAL":** Certain processes, types of equipment or kinds of material are described in the specifications and/or on the drawings by means of trade/brand names and catalog numbers. In each instance where this occurs, it is understood and inferred that such description is followed by the words "or approved equal". Such method of description is intended merely as a means of establishing a standard of comparability. However, the Owner reserves the right to select the items, which, in the judgment of the Owner, are best suited to the needs of the Owner, based on price, quality, service, availability and other relative factors. Bidders should indicate brand name, model, model number, size, type, weight, color, etc., of the item bid, if not exactly the same as the item specified. Vendor's stock number or catalog number is not sufficient to meet this requirement. If any bidder desires to furnish an item different from the specifications, vendor should submit along with the bid, the information, data, pictures, designs, cuts, etc., of the material they plan to furnish so as to enable the Owner to compare the material specified; and, such material shall be given due consideration. The Owner reserves the right to insist upon and receive items as specified if the submitted items do not meet the Owner's standards for acceptance.
23. **ALTERNATE BIDS:** Bidders wishing to submit an alternate for consideration that does not meet the county specifications (or approved deviations), must submit their proposal as an alternate bid.
24. **PROMPT PAYMENT DISCOUNT TERMS:** Prompt payment discount terms will be calculated from the point of complete order acceptance for services and/or commodities ordered.
25. **DRUG-FREE WORKPLACE:** By submittal of this bid, you are certifying that you will comply with Title 44, Code of Laws of South Carolina, 1976, Section 44-107-30.
26. **ILLEGAL IMMIGRATION & PUBLIC CONTRACTS:** In accordance with the South Carolina Illegal Immigration Reform Act, 2008, Act No. 280. Section 3 of this Act added to Chapter 14 to Title 8 of the South Carolina Code of Laws prohibits covered persons from entering into covered contracts unless the Contractor agrees either (a) to verify all new employees through the federal work authorization program [and requires the same from subcontractors and sub-subcontractors] or (b) to employ only qualifying workers. Effectively, the Act also requires contractors to agree to provide any documentation required to establish either (a) that the Act does or does not apply to the Contractor, subcontractor, or sub-subcontractor; or (b) that the Contractor, and any subcontractor or sub-subcontractor, are in compliance with Section 3 of the Act."
27. **NO CONTACT POLICY:** After the date and time established for receipt of proposals by the County, any contact initiated by any offeror with any County representative, other than the Procurement Officer listed

herein, concerning this request for proposals is prohibited. Any such unauthorized contact may cause the disqualification of the offeror from this procurement transaction.

28. ESTIMATED QUANTITIES:

- A. The Owner has endeavored to estimate the proposed quantities as accurately as possible using the latest information available for the project. Within fifteen (15) calendar days after the issuance of the Notice to Proceed, the Contractor shall provide written verification of the quantities. Failure to do so shall imply the Contractor's acceptance of the quantities.
- B. In addition, it will be the Contractor's responsibility to inform the Engineer/Inspector when any item of work (excluding lump sum items) is within 90% of the proposed quantity.
- C. To affect the increase, deletion, and/or substitution, a "no cost" or "cost" change order signed by the Contractor must be submitted to the Procurement Manager by the engineer. No work shall be performed prior to approval of such change order.

29. CONTINGENT ITEMS:

- A. Construction Item(s) identified as being contingent on the "Summary of Quantities" sheets of the plans, in the column headed "Contingent" and/or listed herein are provided in the Contract for use as directed by the Engineer and shall be included as part of the proposal base bid unless otherwise specified. The quantities for these items are established for the purpose of obtaining a bid price and shall be included as part of the proposal base bid unless otherwise specified. The quantities for these contingent items may be increased or decreased without any adjustment to the Contract unit price bid or the contingent items may be deleted entirely from the Contract by the Engineer without negotiation. The Contractor will not be allowed to submit a claim against the Owner for any adjustment to the Contract unit price bid should the contingent items be increased, decreased or eliminated entirely.
- B. Payment for any contingent items used will be made on the basis of the quantities as actually measured. Materials, Construction Requirements, and Basis of Payment shall be as specified in the Specifications, Supplement to the Specifications, Interim Specifications or Addenda, Plans or Special Provisions.

30. ABATEMENT OF WATER POLLUTION BY SEDIMENTATION: The Contractor's attention is specifically directed to the fact that it is of the utmost importance during the life of this contract that control of water pollution due to sedimentation be accomplished as shown on the engineering drawings and/or in accordance with South Carolina D.H.E.C. requirements. The restrictions contained therein shall be strictly enforced and the Contractor is cautioned, therefore, to make every effort possible to comply with these regulations and shall conduct his operations in such a manner as to keep to an absolute minimum amount of sedimentation introduced into any stream or watercourse.

31. CONTRACTORS OBLIGATIONS: The Contractor shall and will, in good workmanlike manner, do and perform all work and furnish all supplies and materials, machinery, equipment, facilities and means, except as herein otherwise expressly specified, necessary or proper to perform and complete all the work required by this contract, within the time herein specified, in accordance with the Plans and Plan Drawings covered by this contract and any and all supplemental Plans and Drawings, and in accordance with the directions of the Engineer as given from time to time during the progress of the work. It shall furnish, erect, maintain and remove such construction plant and such temporary works as may be required. The Contractor shall observe, comply with, and be subject to all terms, conditions, requirements, and limitations of the Contract and Specifications, and shall do, carry on, and complete the entire work to the satisfaction of the Engineer and the Owner.

32. **SUPERINTENDENCE BY CONTRACTOR:** At the site of work, the Contractor shall employ a superintendent or foreman who shall have full authority to act for the Contractor. It is understood that such representative shall be acceptable to the Engineer.
33. **ENGINEER AUTHORITY:** The Engineer shall give all orders and directions contemplated under this Contract and Specifications relative to the execution of the work. The Engineer shall determine the amount, quality, acceptability, and fitness of the several kinds of work and materials which are to be paid for under the construction thereof. The Engineer's estimates and decisions shall be final and conclusive, except as herein otherwise expressly provided. In case any questions shall arise between the parties hereto relative to said Contract or Specifications, the determination or decision of the Engineer shall be a condition precedent to the right of the Contractor to receive any money or for work under Contract affected in any manner or to any extent by such question.

The Engineer shall decide the meaning and intent of any portion of the Specifications and any Plan or Drawings where the same may be found obscure or be in dispute. Any differences or conflicts in regard to their work which may arise between the Contractor under this Contract and other contractors performing work for the Owner shall be adjusted and determined by the Engineer.

34. **INSPECTION AND INSPECTOR AUTHORITY:** The authorized representatives and agents of the Owner shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices materials and other relevant data and records.
- A. Inspectors, employed by the Engineer, shall be authorized to inspect all work done and materials furnished. Such inspection may extend to all or part and to the preparation or manufacture of the materials to be used. An inspector or inspectors will be stationed on site and will report to the Engineer as to the progress of the work and the manner in which it is being performed; also to report whenever it appears that the materials furnished and work performed by the Contractor fail to fulfill the requirements of the Specifications and Contract; and to call to the attention of the Contractor any such failure and other default; but no inspection nor any failure to inspect, at any time or place, however, shall relieve the Contractor from any obligation to perform all of the work strictly in accordance with the requirements of the Specifications. In case of dispute arising between the Contractor and any inspector as to the materials furnished or the manner of performing the work, the inspector shall have the authority to reject materials or suspend the work until the question at issue can be referred to and decided by the Engineer.
 - B. The inspectors shall perform such other duties as are assigned to them. They shall not be authorized to revoke, alter, enlarge, or release any requirements of these Specifications, not to approve or accept any portion of work, not to issue instructions contrary to the Plans and Specifications. Inspectors shall in no case act as foremen to perform other duties for the Contractor, nor interfere with the management of the work by the latter. Any instructions which the inspectors may give the Contractor shall in no way be construed as binding the Engineer or the Owner in any way, nor releasing the Contractor from fulfillment of the terms of the Contract.
35. **USE OF PREMISES AND REMOVAL OF DEBRIS:** The Contractor expressly undertakes at its own expense:
- A. To take every precaution against injuries to persons or damage to property.
 - B. To store its apparatus, materials, supplies, and equipment in such orderly fashion at the site of the work as will not unduly interfere with the progress of its work or the work of any other contractors.
 - C. To place upon the work or any part thereof only such loads as are consistent with the safety of that portion of the work. To clean up frequently all refuse, rubbish, scrap materials, and debris caused by its operations, to the end that at all times the site of the work shall present a neat, orderly, and workmanlike appearance.

- D. Before final payment to remove all surplus material, false work, temporary structures, including foundations thereof, plants of any description and debris of every nature resulting from its operations, and to put the site in a neat, orderly condition.
 - E. To affect all cutting, fitting or patching of its work required to same to conform to the Plans and Specifications and, except with the consent of the Engineer, not to cut or otherwise alter the work of any other contractor.
36. PUBLIC CONVENIENCE AND SAFETY: In addition to the requirements of SCDOT Standard Specifications for Highway Construction, add the following provisions:
- A. Dust control by sprinkling or the use of chemicals shall be performed by the Contractor to the satisfaction of the Engineer.
 - B. The condition of the work at all times shall be such that sudden storms or prolonged rainfall will not cause such damage to property in the vicinity of the work that could in any way be attributed to the performance of the work.
 - C. If, in the opinion of the Engineer, the public has been inconvenienced to a great extent, or that certain conditions provide a threat to public safety, or that work performed by the Contractor has caused damage to property in the area of the work, which has not been remedied quickly and satisfactorily, the Engineer shall have the authority to order all operations to cease until such time as such conditions are remedied to his satisfaction, and any delay caused thereby shall not be considered just cause for any extension of time in completion of the Contract. Upon refusal of the Contractor to promptly comply with this requirement, the Engineer/Owner shall have the right to perform such work as may be required, at the expense of the Contractor.
 - D. In the event of temporary suspension of work, or during inclement weather, or whenever the Engineer shall direct, the Contractor will, and will cause its subcontractors to protect carefully its and their work and materials against damage or injury from the weather. If, in the opinion of the Engineer, any work or materials shall have been damaged or injured by reason of failure on the part of the Contractor or any of its subcontractors to so protect its work, such materials shall be removed and replaced at the expense of the Contractor.
37. SUSPENSION OF WORK: Should the Owner be prevented or enjoined from proceeding with work or from authorizing its prosecution either before or after its prosecution, by reason of any litigation, the Contractor shall not be entitled to make or assert claim for damage by reason of said delay, but time for completion of the work will be extended to such reasonable time as the Owner may determine will compensate for time lost by such delay with such determination to be set forth in writing.
38. CORRECTION OF WORK: All work, all materials, whether incorporated in the work or not, all processes of manufacture, and all methods of construction shall be at all times and places subject to the inspection of the Engineer, who shall be the final judge of the quality and suitability of the work, materials, processes of manufacture, and methods of construction for the purposes for which they are used.
- Any defective work, whether the result of poor workmanship, use of defective materials, damage through carelessness or any other cause, found to exist shall be removed and replaced by work and materials which shall conform to the Specifications or shall be remedied otherwise in an acceptable manner authorized by the Engineer.
- Upon failure on the part of the Contractor to comply promptly with any order of the Engineer, made under the provisions of these General Provisions, the Engineer shall have authority to cause defective work to be remedied or removed and replaced and unauthorized work to be removed and to deduct the costs from any monies due or to become due the Contractor under this Contract.
39. PAYMENT TO CONTRACTOR: The Owner shall make a Progress Payment to the Contractor on the basis of a duly certified and approved estimate of the work performed during the preceding calendar

month under the Contract. To ensure proper performance of the Contract, the Owner shall retain ten percent (10%) of the amount of each estimate until final completion and acceptance of all work covered by the Contract.

The Contractor shall submit a pencil copy of a weekly estimate to the Engineer or his representative (on-site) for review and approval. Hard copies shall be submitted to the Engineer along with all necessary attachments supporting his claim.

The Owner reserves the right to withhold all or any part thereof of monies due, if in the opinion of the Owner, the completed work is found not to be in conformance with the Plans and Specifications, defective and/or damaged by negligence by the Contractor and/or his employees. This above shall also apply to previously approved work by the Inspector which may require correction/replacement or become defective due to negligence and/or workmanship by the Contractor. This shall also include unsatisfactory prosecution of the work, failure to furnish required submittals, and/or unapproved testing procedures.

In preparing estimates, the material delivered on the site and preparatory work done may be taken into consideration.

All material and work covered by partial payments made shall thereupon become the sole property of the Owner, but this provision shall not be construed as relieving the Contractor from the sole responsibility for the care and protection of materials and work upon which payments have been made or the restoration of any damaged work, or as a waiver of the right of the Owner to require fulfillment of all the terms of the Contract.

The Contractor agrees that it will indemnify and hold the Owner harmless from all claims growing out of the lawful demands of subcontractors, laborers, workmen, mechanics, material men, and furnishers of machinery and parts thereof, equipment, power tools, and all supplies, including commissary, incurred in the furtherance of the performance of this Contract. The Contractor shall, at the Owner's request, furnish satisfactory evidence that all obligations of the nature hereinabove designated have to be paid, discharged, or waived. If the Contractor fails to do so, then the Owner may, after having served written notice, direct, or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of this Contract, but in no event shall the provisions of this sentence be constructed to impose any obligations upon the Owner to either the Contractor or its Surety. In paying any unpaid bills of the Contractor, the Owner shall be deemed the agent of the Contract, and any payment so made by the Owner, shall be considered as a payment made under the Contract by the Owner to the Contractor, and the Owner shall not be liable to the Contractor for any such payment made in good faith.

40. **TERMINATION:** Subject to the provisions below, the contract may be terminated for any reason by the County providing a 30-day advance notice in writing is given to the contractor.
- A. **Termination for Cause:** Termination by the County for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provisions, termination costs, if any, shall not apply. The thirty (30) days advance written notice requirement is waived and the default provision in this bid shall apply; see General Conditions.
 - B. **Termination for Convenience:** The County, by written notice, may terminate this contract in whole or in part, when it is in the best interest of the County.
 - C. **Termination requirement does not apply if contract is to terminate at the end of an established contract term.**
 - D. **Termination for Non-appropriations:** If the Lancaster County fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract, or if a lawful order issued in or for any fiscal year during the term of the contract reduces the funds appropriated or authorized in such amount as to preclude making the payments set out therein, the contract shall

terminate on the date said funds are no longer available without any termination charges or other liability incurring to the County. Any termination for non-appropriations shall not prohibit the County from obtaining services from another source or in another manner, which is in the best interest of the County.

41. **TIME FOR COMPLETION AND LIQUIDATED DAMAGES:** It is hereby understood and mutually agreed, by and between the Contractor and Owner, that the date of beginning and the time for completion as specified in the Contract of work to be done hereunder are **ESSENTIAL CONDITIONS** of this Contract; and it is further mutually understood and agreed that the work embraced in this Contract shall be commenced on a date to be specified in the Notice to Proceed.

The Contractor agrees that said work shall be prosecuted regularly, diligently, and uninterruptedly at a rate of progress as will ensure full completion thereof within the time specified. It is expressly understood and agreed, by and between the Contractor and the Owner, that the time for the completion of the work described herein is a reasonable time for the completion of the same, taking into consideration the average climate range and usual industrial conditions prevailing in this locality.

If the said Contractor shall neglect, fail or refuse to complete the work within the time herein specified, or any proper extension thereof granted by the Owner, then the Contractor does hereby agree, as part consideration for the awarding of this Contract, to pay the Owner the amount specified in the Contract, not as a penalty but as liquidated damages for such breach of Contract as hereinafter set forth, for each and every calendar day that Contractor shall be in default after the time stipulated in the Contract for completing the work.

The said amount is fixed and agreed upon by and between the Contractor and the Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain, and said amount is agreed to be the amount of damages which the Owner would sustain and said amount shall be retained from time to time by the Owner from current periodical estimates.

It is further agreed that time is of the essence of each and every portion of this Contract and of the Specification wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the Contract an additional time is allowed for the completion of any work, the new time limit fixed by such extension shall be the essence of this Contract. Provided that the Contractor shall not be charged with liquidated damages or any excess cost when the owner determines that the Contractor is without fault and the Contractor's reasons for the time extension are acceptable to the Owner; provided further that the Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due:

- a. To any preference, priority or allocation order duly issued by the Government;
- b. To unforeseeable cause beyond the control and without the fault or negligence of the Contractor, including but not restricted to, acts of God, or the public enemy, acts of the Owner, acts of another Contractor in the performance of a Contract with the Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and severe weather; and
- c. To any delays of subcontractors or suppliers occasioned by any of the causes specified in subsections a. and b. of this article; provided further, that the Contractor shall, within ten (10) days from beginning of such delay, unless the Owner shall grant a further period of time prior to the date of final settlement of the Contract, notify the Owner, in writing, of the cause of delay, who shall ascertain the facts and extent of the delay and notify the Contractor within a reasonable time of its decision in the matter.

42. FINAL WALK THRU INSPECTION: The Final Walk Thru Inspection shall be performed by all parties involved at the project completion. The Contractor shall inform the Project Manager, in writing, for the substantial completion date of the project. The Contractor will be notified by the Project Manager within ten (10) working days of any incomplete and/or defective work. The Contractor shall immediately take such measures as necessary to remedy such deficiencies (not to exceed 30 calendar days) and shall notify the Project Manager at completion of the corrections. A second inspection shall be performed as required.

LANCASTER COUNTY
101 N. Main St, Lancaster, SC 29720
Ph: (803) 416-9963 / Fax: (877) 636-7960

BIDDERS SCHEDULE

BID NUMBER: 500200414

DATE: March 24, 2020

OPENING DATE AND TIME: April 14, 2020 @ 2:00 PM E.S.T.

OPENING LOCATION: Lancaster County Government
Council Chambers
101 N. Main St, Lancaster, SC 29720

PROCUREMENT: **Overhead Illuminated Signs and Ground Mounted Signs Along US 521:** Provide all materials, equipment, and labor to install overhead illuminated and ground mounted signs in accordance with the specifications, conditions, and provisions as provided herein.

AWARD: The total base bid will be used as a basis for evaluation of the bids and award of the contract. If the award of a contract is made, it will be to the lowest, responsive, responsible Bidder within the specified time for bids to remain irrevocable.

TIME OF COMPLETION: The successful bidder shall commence work within ten (10) calendar days of receipt of written "Notice to Proceed" by the Owner and fully execute and complete the project within 60 consecutive calendar days thereafter. The proposed Notice to Proceed date is May 11, 2020 therefore the calendar date of completion will be July 10, 2020.

LIQUIDATED DAMAGES: The Bidder must also agree to pay as liquidated damages, the sum of \$200.00 for each consecutive calendar day thereafter as described in the General Conditions.

WARRANTY: The successful bidder will provide a written statement of warranty against any defect, failure, etc. caused by the materials, workmanship, etc. for a period of 2-years from the time of completion.

BIDDER CHECKLIST

Bidder is acknowledging that the following items have been provided with the bid.

 Bid Bond
Initial

 Certificate of Familiarity
Initial

 N/A Disadvantaged Business Enterprises Committal Sheet
Initial

 Listing of Subcontractors
Initial

 Acknowledgment of Amendment Number (if applicable) __ - __
Initial

COMPANY: _____ AUTHORIZED SIGNATURE: _____

The attached Certificate of Familiarity must be returned with bid.

BID NUMBER: 500200414

DATE: March 24, 2020

CERTIFICATE OF FAMILIARITY

The undersigned, having fully familiarized himself with the information contained within this entire solicitation and applicable amendments, submits the attached bid and other applicable information to the County, which I verify to be true and correct to the best of my knowledge. I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid. I further certify that this bid is good for a period of ninety (90) days, unless otherwise stated.

Company Name as registered

Authorized Signature with the IRS

Correspondence Address

Printed Name

City, State, Zip

Title

Date

Telephone Number Fax Number

CONTRACTOR'S LICENSE # _____

Remittance Address

E-mail Address (PLEASE PRINT)

City, State, Zip

Telephone Number

Toll-Free Number if available

Federal Tax ID Number

SC Sales and Use Tax Number

DOES YOUR FIRM OWE THE COUNTY OF LANCASTER ANY DELINQUENT BUSINESS PROPERTY TAXES? ___ YES/___ NO

LISTING OF SUBCONTRACTORS

Any bidder in response to this Request for Bids shall set forth in his bid the Percent of Work, Name and Location of the place of business for each of the following subcontractors (if so specified) who may perform work or render services to the prime Contractor to or about the construction, or who will specifically fabricate or install a portion of the work. If the prime Contractor determines to use his own employees to perform any portion of the work for which he would otherwise be required to list a subcontractor, and if the prime Contractor is qualified to perform such work under the terms of the Request for Bids, the prime Contractor shall indicate this in his bid and not subcontract any of that work except with the approval of owner for good cause shown.

Pay Item/s	Contract Amount in %	Sub-Contractor's Name & License #	Address / Location

Failure to list specified subcontractors shall render the prime Contractor's bid non- responsive. No prime Contractor whose bid is accepted shall substitute any person as a subcontractor in place of the subcontractor listed in the original bid, except as specified within the contract documents.

SUPERINTENDENT, PRIME CONTRACTOR

If, as a result of this Bid a Contract is awarded, the Prime Contractor's job superintendent shall be:

Print Superintendent's Name

BIDDER: _____ SIGNATURE: _____

TO: CATHY MCDANIEL
FAX: 877-636-7960 or Email your questions to cdmcdaniel@lancastersc.net

REQUEST FOR WRITTEN RESPONSE TO QUESTIONS
BID NO. 500200414
Overhead Illuminated Signs and Ground Mounted Signs Along US 521

Deadline for submitting questions is **April 7, 2020 @ 4:00 PM E.S.T.**

OFFEROR NAME AND ADDRESS:

DATE: _____

CONTACT PERSON: _____

TELEPHONE #: _____

FAX #: _____

(PLEASE REFER TO PAGE AND PARAGRAPH NUMBER WHEREVER POSSIBLE)

SPECIAL PROVISIONS
OVERHEAD ILLUMINATED SIGNS AND GROUND MOUNTED SIGNS ALONG US 521

THE PROJECT

The Lancaster County Department of Public Works is seeking competitive bids from South Carolina Department of Transportation approved contractors for the purpose of installing overhead illuminated street signs along a portion of US 521 and ground mounted street signs at various locations along or near the US 521 corridor. The limits of work are described herein along with details that describe specific items of work.

Note 1: All work done by the Contractor must be in accordance with the South Carolina Department of Transportation 2007 Standard Specification for Highway Construction and the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) unless otherwise instructed by Lancaster County Department of Public Works or written herein.

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Item No. 103 – MOBILIZATION

- .01 DESCRIPTION:** This work shall consist of Mobilization as described within Section 103.10 of the SCDOT 2007 Standard Specifications for Highway Construction.
- .05 MEASUREMENT AND PAYMENT:** Mobilization will be paid for as described in Section 103.11 of the 2007 Standard Specifications for Highway Construction.

Item No. 105 –CONTROL OF WORK

- .01 AUTHORITY OF THE ENGINEER:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.1 paragraph 1 and 2.
- .02 THE DESIGN PLANS:** The design plans or construction plans, if applicable, will be provided by the Owner. Also refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.2 paragraph 1 in its entirety.
- .03 CONFORMITY WITH PLANS AND SPECIFICATIONS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.3 in its entirety.
- .04 COORDINATION OF PLANS, SPECIFICATIONS, AND SPECIAL PROVISIONS:** The Owner will provide the Construction Plans, if applicable, and specifications for materials. It is the responsibility of the Contractor to have a complete understanding of the work to be performed prior to beginning any work. It is the responsibility of the Contractor to point out any discrepancy in the plans and/or specifications prior to any work being performed. The engineer will determine any necessary changes to the plans or specifications prior to the work being performed. The Owner is not responsible for any work performed without these corrections and interpretations.
- .05 COOPERATION BY CONTRACTOR:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.5 in its entirety.
- .06 COOPERATION WITH UTILITIES:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.6 in its entirety.
- .07 COOPERATION BETWEEN CONTRACTORS:** If applicable refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.7 in its entirety.
- .08 CONSTRUCTION STAKES, LINES, AND GRADES:** If applicable refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.8 in its entirety.
- .09 AUTHORITY AND DUTIES OF THE ENGINEERS REPRESENTATIVES:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.9 in its entirety.
- .10 INSPECTION OF WORK:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.10 in its entirety.
- .11 REMOVAL OF UNACCEPTABLE AND UNAUTHORIZED WORK:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.11 in its entirety.
- .12 LOAD RESTRICTIONS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.12 in its entirety.

- .13 FAILURE TO MAINTAIN ROADWAY STRUCTURE:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 105.12 in its entirety

Item No. 601 - MAINTENANCE OF TRAFFIC

- .01 DESCRIPTION:** This work shall consist of all labor and material necessary to maintain traffic, both vehicular and pedestrian, on, along, or through the work area. This Item sets forth the traffic control requirements necessary for the safe and continuous maintenance of traffic throughout the area affected by the work.
- .02 MATERIALS:** All materials shall be in accordance with Division 600 of the SCDOT 2007 Standard Specifications for Highway Construction.
- .03 EQUIPMENT:** Not Applicable
- .04 CONSTRUCTION:** A predetermined Traffic Control Plan (TCP) shall be submitted seven (7) calendar days prior to the start of work. The TCP shall be submitted to the Engineer for review and verification of conformance with Part VI (Temporary Traffic Control) of the latest edition of the Manual On Uniform Traffic Control Devices (MUTCD). The TCP shall address the type, size, and placement of signs, job location and personnel to be used.
- A. All traffic control devices and methods used shall conform to the Manual on Uniform Traffic Control Devices (MUTCD), latest edition.
 - B. Contractor to provide sufficient number of flagmen and take all necessary precautions for the protection of the work area and safety of the public. When not in visual contact, flaggers shall be equipped with two-way radios to facilitate the safe flow of traffic through the construction zone.
 - C. Signs shall be new or in like-new condition. Signs that become faded, illegible, or damaged shall be replaced as directed by the Engineer.
 - D. On projects where traffic is detoured around the work area, Contractor shall place signing as shown by the TCP.
 - E. On projects where traffic is to be maintained through the work area, the Contractor shall maintain one (1) lane traffic during work hours and two (2) lanes during non-work hours. Full closure with appropriate detour will be considered on a case by case basis only.
 - F. Traffic control devices shall be erected prior to the commencement of the paving operation and shall be maintained at each paving location until operations are complete.
 - G. All salvaged material and devices, i.e. TCP signs, etc., shall become the property of the Contractor.
 - H. Weeds, shrubbery, construction equipment or material, spoil, etc., shall not be allowed to obscure any traffic control device.
 - I. Upon removal of signs, Contractor is to restore all disturbed areas, sod or pavement, to its original condition.
 - J. All personnel on the project site shall comply with Federal OSHA regulations. At a minimum, all personnel shall wear reflective safety vests within the work zone.
 - K. All lane closures and times shall be submitted by the Contractor in their Traffic Control Plan for approval by the Engineer.
- .05 MEASUREMENT AND PAYMENT:** Maintenance of traffic will not be measured for payment but will be paid as a Lump Sum item distributed proportionately to each month's pay request. Any discrepancies from the contract plans and/or the MUTCD will be documented and provided to the Contractor for resolution. Any discrepancies not resolved by the Contractor may constitute a corresponding reduction of payment. Payment will be full compensation for all labor and

materials necessary to maintain traffic including but not limited to flagmen, signs, temporary pavement markings, lights, water, barricades, and furnishing, placing, replacing, repairing, restoring, and moving traffic control devices necessary for the fulfillment of the contract requirements and implementation of the approved TCP.

Item No. 650 – GROUND-MOUNTED STREET SIGNS

- .01 DESCRIPTION:** This work shall consist of all labor and material necessary to install ground-mounted street signs in accordance with the specifications and details provided.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 650.2, 651.2 and 653.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 650.3, 651.3 and 653.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 650.4, 651.4 and 653.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Ground-Mounted Street Signs will be measured and paid for at the Contract unit price bid for Flat Sheet, Fixed Size & Message Sign per Square Foot (SF) and U-Section Posts For Sign Support – 3P per Linear Foot (LF). The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Item No. 658 – OVERHEAD ILLUMINATED STREET SIGNS

1.0 Material Specifications

The Contractor shall furnish and install all new equipment including illuminated signs, photocells, mounting hardware, power conductors, ground wire, conduit, circuit breaker boxes, circuit breakers and all incidental items.

Sign Face

The sign shall be signal sided only, sign face will be green with white lettering and a white border. The letter height shall be 12” for capital letters and 9” lower case letters for signs with one street name. For stacked signs, in which two street names are placed on the same sign, the letter height shall be 10” for capital letters and 8” for lower case letters. Sign faces shall be designed using only current MUTCD approved fonts and font sizes. The contractor shall have the manufacturer design the sign face for approval by the Engineer prior to fabricating and installing the signs.

The sign shall have a front panel that is UV, weather, abrasion and impact resistant. The Sign shall face shall utilize weather and impact resistant materials to prevent fading, out-gassing, bubbling, peeling, and cracking.

Sign Body

The body shall be constructed with either 5000 or 6000 series grade aluminum. The maximum weight of each sign shall be determined by the total width and height of the sign’s outside finished dimensions.

Individual sign weights, including their outside finished edges, shall be calculated as NOT TO EXCEED (NTE):

4' x 18": NTE 38 lbs

4' x 19": NTE 39 lbs

6' x 18": NTE 50 lbs

6' x 19": NTE 54 lbs

8' x 18": NTE 65 lbs

8' x 19": NTE 69 lbs

4' x 24": NTE 45 lbs

6' x 24": NTE 63 lbs

8' x 24": NTE 79 lbs

8' x 30": NTE 90 lbs

8.5' x 30": NTE 95 lbs

9' x 30": NTE 100 lbs

The sign shall be designed and constructed to withstand 150 mph wind loads in conformance with the requirements of the AASHTO publication, "Standard Specifications for Structural Supports of Highway Signs, Luminaries and Traffic Signals, "4th Edition 2001.

Light Source and Photocell

The light source for the sign shall be LEDs (light emitting diodes). LEDs shall be mounted along both the top and bottom edges of the sign. The LEDs shall evenly illuminate the light panel that is the same dimensions of the sign face. The LEDs shall have a minimum rated lumen maintenance of 70% at 60,000 hours (an L70 of 60,000 hours).

The photocell shall be included as a part of the sign and shall be included in the product warranty.

Power Supply

The sign and power supply should be able to withstand and operate at temperature extremes of between -22 deg F to +140 deg F. The power Supply shall be fully encapsulated to prevent water intrusion.

All exterior surfaces of the sign assembly shall be black powder-coat painted. The sign enclosure shall have a weatherproof design that ensures water does not reach internal components. No silicone will be used in the weather resistant seal of the sign.

Mounting System

The single-sided sign shall be mounted to span wires. The sign must be supplied with mounting brackets to allow mounting on span wires. The hanger assembly shall be compatible with the sign without requiring alteration from its original design. The Hanger Assembly shall meet or exceed sustained wind speeds up to 90 miles per hour for the sign size at each location. The hanger assembly and mounting brackets shall be powder-coated painted to an exact match of the sign extrusions.

Power and Wiring

The contractor shall furnish and install a separate disconnect between the power meter for the signal and the signal cabinet.

Power, ground and neutral wires, breaker box, circuit breaker, conduit, conduit strap and miscellaneous material and workmanship shall be in accordance with the requirements of the latest editions of the SCDOT Traffic Signal Specifications, SCDOT Standard Drawings, National Electrical Code (NEC), the National Electrical Safety Code (NESC), the Illuminating Engineering Society (IES), the American National Standards Institute (ANSI), the National Electrical Manufacturer's Association (NEMA), and the regulations and standards of the local power company. The prime contractor or subcontractor responsible for the performance of the work must be licensed by the SC Licensing Board For Contractors and possess a Journeyman Card issued by the South Carolina Municipal Association or as required by the city in which work occurs at the time work is performed.

The contractor is responsible for ensuring the size of the wire is sufficient to provide adequate power to, and grounding for, the signs and photocells per the manufacture's recommendations. The circuit breaker shall be rated and installed to protect the photocells, power supply and LED strips from damage due to power surges or short circuits.

All materials and work shall be included in the price for the in the bid item: Furnishing and Installing Internally Illuminated Street Name Signs, Including Span Wire Mounting.

Certification Requirements

The sign and shall be tested for Exclusion of Water Test, Strain Relief Test, Dielectric B=Voltage – Withstand Test, and Temperature Test. Certifications for the tests shall be provided to the Engineer prior to installation.

Product Guarantee

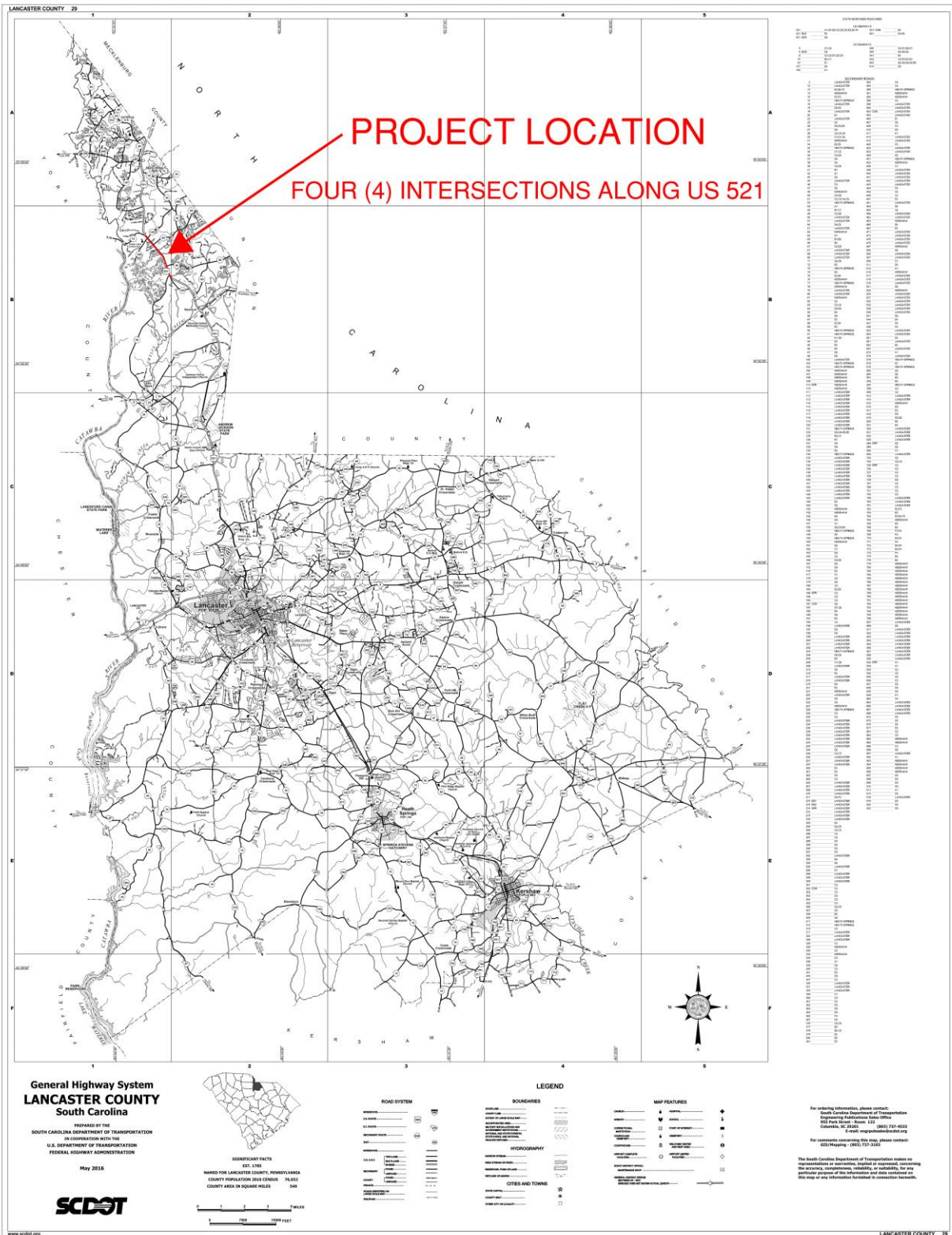
Sign housing, mounting brackets, face, and internal components must be guaranteed for a minimum of five years.

Measurement & Payment

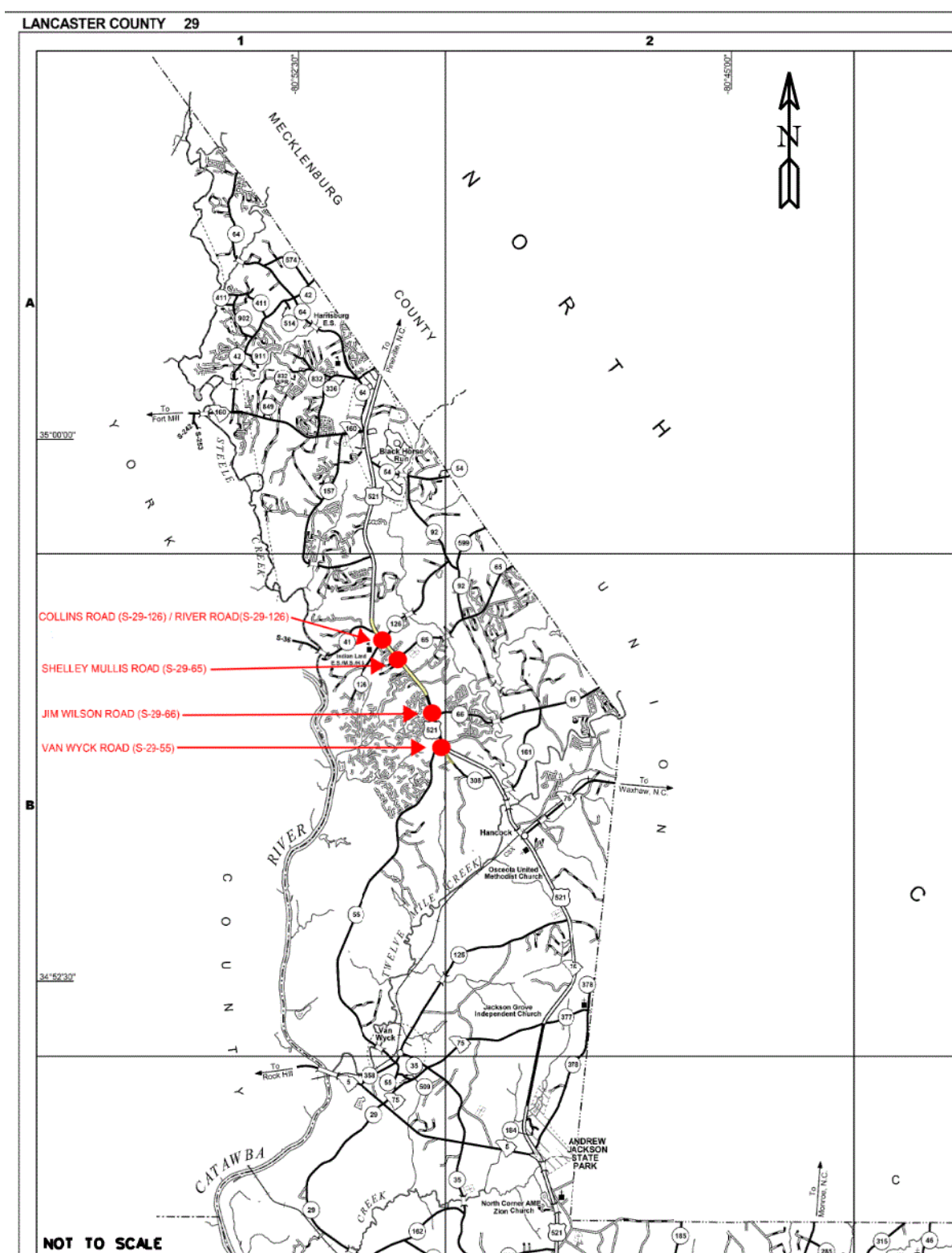
Overhead Illuminated Street Signs will be measured and paid for at the Contract unit price bid per Each. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

LOCATION MAPS

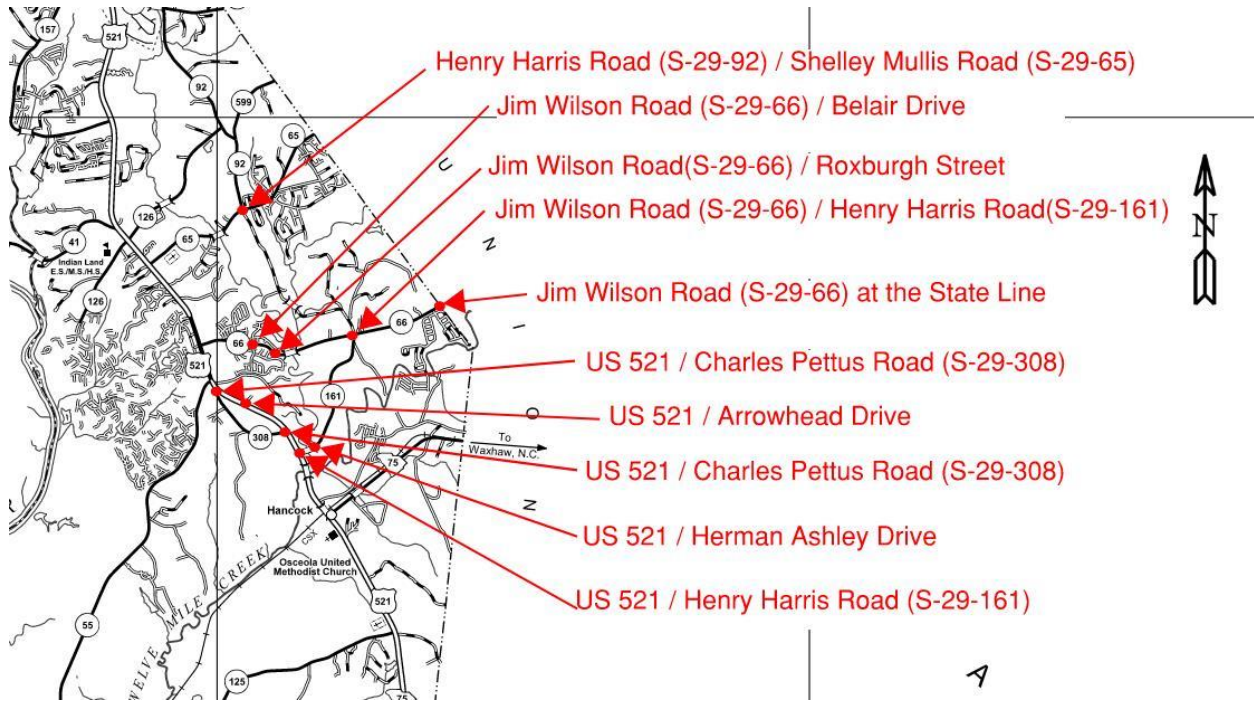
SCDOT County Map of Lancaster County



Project Locations Within Lancaster County



Project Locations Within Lancaster County



STANDARD DETAILS

PROJECT STANDARD DRAWINGS

Standard Drawings Attached for Reference:

605-02-B (Lane Closure)

605-03-B (Lane Closure)

Drawing No. 605-02-B

TRAFFIC SIGNAL

WORK OPERATIONS

VEHICLE TRAIN

RIGHT LANE CLOSURE

MULTILANE

PRIMARY & SECONDARY ROUTES

TRAFFIC SIGNAL WORK ACTIVITIES

THAT EXCEED A TIME DURATION OF 15 MINUTES

BUT NOT MORE THAN 60 MINUTES

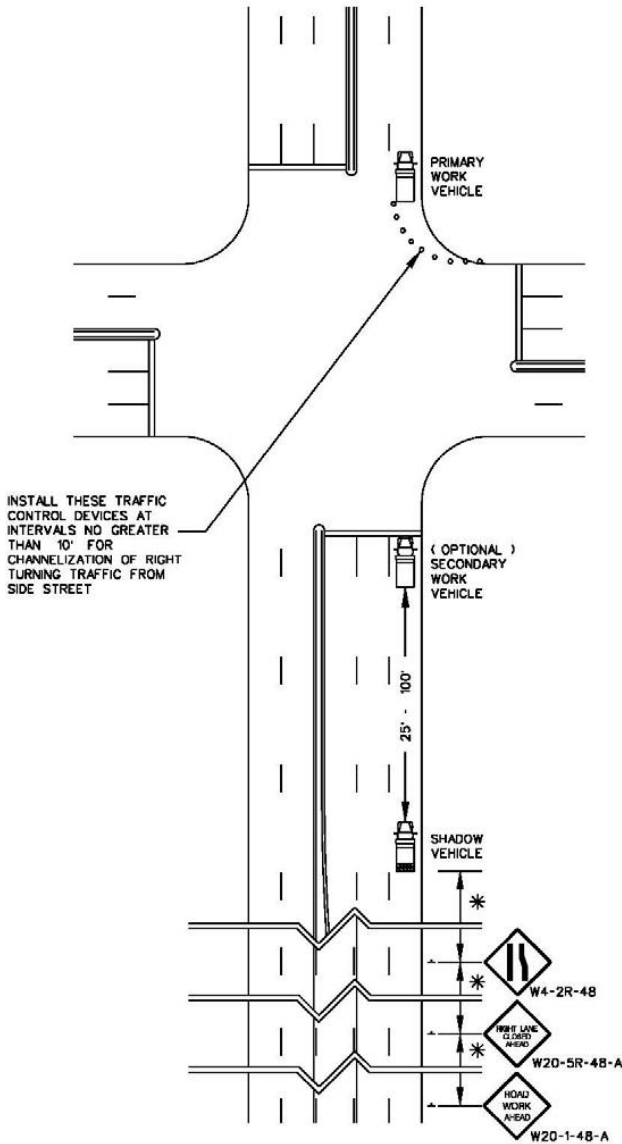
1. This traffic control setup is restricted to traffic signal work activities conducted within the right travel lane of a multilane primary or secondary roadway that exceed a time duration of 15 minutes but not more than 60 minutes.
2. Install a standard lane closure for those traffic signal work activities that require the vehicle train to encroach upon or operate within the limits of a travel lane for longer than 60 minutes.
3. Avoid conducting traffic signal work or similar work activities that interfere with or create disruptions to normal traffic operations during high traffic volume peak periods when possible.
4. The vehicle train shall include the primary work vehicle and a shadow vehicle. A secondary work vehicle is optional.
5. A secondary work vehicle is optional in the vehicle train.
A truck mounted advance warning arrow panel displaying a flashing arrow is optional on the secondary work vehicle.
When a right turn lane is present, operate the truck mounted advance warning arrow panel in the double arrow mode when travel lanes open to traffic are present on each side of the secondary work vehicle.
A truck mounted attenuator is optional on the secondary work vehicle.
Operate the secondary work vehicle in the same travel lane as the primary work vehicle on the approach to the intersection without encroaching into the intersection.
6. A shadow vehicle is required in the vehicle train.
A truck mounted advance warning arrow panel displaying a flashing arrow is required on the shadow vehicle. When a right turn lane is present, operate the truck mounted advance warning arrow panel in the double arrow mode when travel lanes open to traffic are present on each side of the shadow vehicle.
A truck mounted attenuator is required on the shadow vehicle.
Operate the shadow vehicle in the same travel lane as the primary work vehicle on the approach to the intersection without encroaching into the intersection. When a secondary work vehicle is used, operate the shadow vehicle 25' to 100' in advance of the secondary work vehicle.

7. Install and maintain traffic control devices in advance of and adjacent to the primary work vehicle to channelize traffic turning from the side street.
8. Supplement the work vehicles and the shadow vehicles with amber colored auxiliary warning lights. The auxiliary warning lights shall be high intensity rotating, flashing, oscillating or strobe lights. Standard vehicle hazard warning lights are only permitted as a supplement to the auxiliary warning lights.

GENERAL NOTES:

1. THIS TRAFFIC CONTROL SETUP IS RESTRICTED TO THOSE TRAFFIC SIGNAL WORK ACTIVITIES CONDUCTED IN THE RIGHT TRAVEL LANE OF A MULTILANE ROADWAY THAT EXCEED A TIME DURATION OF 15 MINUTES BUT NOT MORE THAN 60 MINUTES.
2. INSTALL A STANDARD LANE CLOSURE FOR THOSE TRAFFIC SIGNAL WORK ACTIVITIES THAT REQUIRE THE VEHICLE TRAIN TO REMAIN IN THE ROADWAY FOR LONGER THAN 60 MINUTES.
3. THE VEHICLE TRAIN SHALL INCLUDE THE PRIMARY WORK VEHICLE AND A SHADOW VEHICLE. A SECONDARY WORK VEHICLE IS OPTIONAL.
4. FOR THE TRAFFIC CONTROL SETUP FOR A SIDE STREET WITH DUAL LEFT TURN LANES, SEE DRAWING 605-05-B(1).

**DRAWING 605-02-B
TRAFFIC SIGNAL
WORK OPERATIONS
VEHICLE TRAIN
RIGHT LANE CLOSURE
MULTILANE
PRIMARY & SECONDARY
ROUTES
TRAFFIC SIGNAL WORK ACTIVITIES
THAT EXCEED A TIME DURATION
OF 15 MINUTES
BUT NOT MORE THAN 60 MINUTES**



VEHICLE TRAIN

PRIMARY WORK VEHICLE

AMBER COLORED HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ARE REQUIRED ON THE WORK VEHICLE. VEHICLE HAZARD WARNING LIGHTS ARE ONLY PERMITTED AS A SUPPLEMENT TO THESE DEVICES.

SECONDARY WORK VEHICLE (OPTIONAL)

AMBER COLORED HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ARE REQUIRED ON THE SECONDARY WORK VEHICLE. VEHICLE HAZARD WARNING LIGHTS ARE ONLY PERMITTED AS A SUPPLEMENT TO THESE DEVICES.

A TRUCK MOUNTED ADVANCE WARNING ARROW PANEL DISPLAYING A FLASHING ARROW IS OPTIONAL ON THE SECONDARY WORK VEHICLE.



WHEN A RIGHT TURN LANE IS PRESENT, OPERATE THE ADVANCE WARNING ARROW PANEL IN THE DOUBLE ARROW MODE WHEN TRAVEL LANES OPEN TO TRAFFIC ARE PRESENT ON EACH SIDE OF THE SECONDARY WORK VEHICLE.



A TRUCK MOUNTED ATTENUATOR IS OPTIONAL ON A SECONDARY WORK VEHICLE.

OPERATE THE SECONDARY WORK VEHICLE IN THE SAME TRAVEL LANE AS THE PRIMARY WORK VEHICLE ON THE APPROACH TO THE INTERSECTION WITHOUT ENCRDACHING INTO THE INTERSECTION

SHADOW VEHICLE

AMBER COLORED HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ARE REQUIRED ON THE SHADOW VEHICLE. VEHICLE HAZARD WARNING LIGHTS ARE ONLY PERMITTED AS A SUPPLEMENT TO THESE DEVICES.

A TRUCK MOUNTED ADVANCE WARNING ARROW PANEL DISPLAYING A FLASHING ARROW IS REQUIRED ON THE SHADOW VEHICLE.



WHEN A RIGHT TURN LANE IS PRESENT, OPERATE THE ADVANCE WARNING ARROW PANEL IN THE DOUBLE ARROW MODE WHEN TRAVEL LANES OPEN TO TRAFFIC ARE PRESENT ON EACH SIDE OF THE SHADOW VEHICLE.



A TRUCK MOUNTED ATTENUATOR IS REQUIRED ON THE SHADOW VEHICLE.

OPERATE THE SHADOW VEHICLE IN THE SAME TRAVEL LANE AS THE PRIMARY WORK VEHICLE ON THE APPROACH TO THE INTERSECTION WITHOUT ENCRDACHING INTO THE INTERSECTION.

ADVANCE WARNING SIGN PLACEMENT INTERVALS			
SPEED LIMIT	*	*	*
URBAN / RURAL (LOW SPEED) ≤ 35 MPH	200 FT	200 FT	200 FT
URBAN / RURAL (INTERMEDIATE SPEED) 40 MPH - 50 MPH	350 FT	350 FT	350 FT
RURAL (HIGH SPEED) ≥ 50 MPH	500 FT	500 FT	500 FT

NOTE: THESE SIGN PLACEMENT INTERVALS ARE BASED UPON THE POSTED REGULATORY SPEED LIMIT OF THE ROADWAY PRIOR TO BEGINNING ANY WORK.

Drawing No. 605-03-B

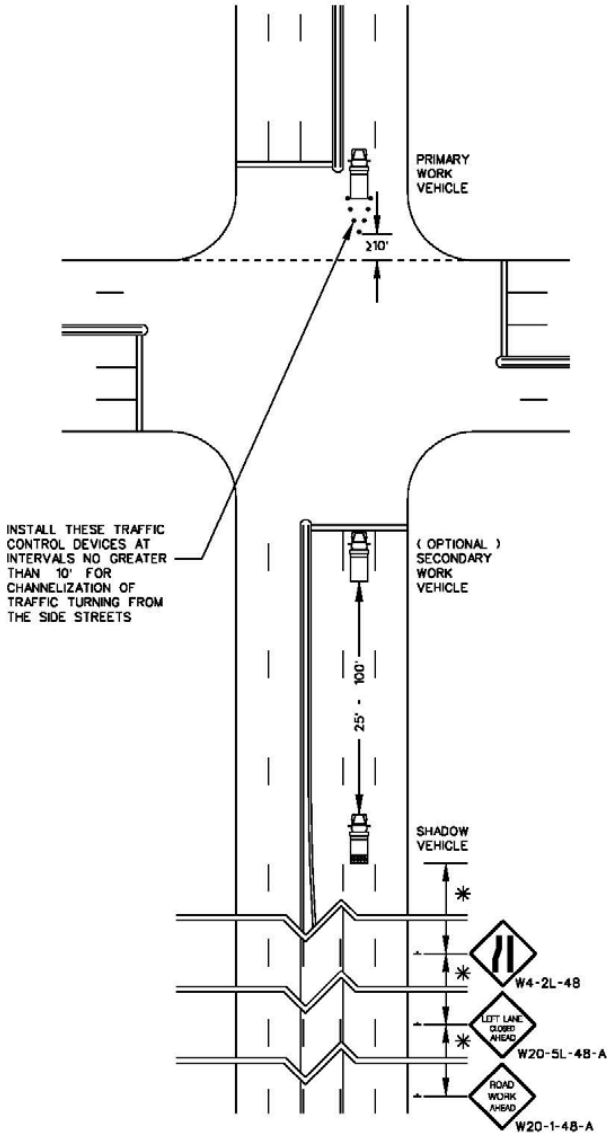
TRAFFIC SIGNAL

**WORK OPERATIONS
VEHICLE TRAIN
LEFT LANE CLOSURE
MULTILANE
PRIMARY & SECONDARY ROUTES
w/ 2 THROUGH LANES
TRAFFIC SIGNAL WORK ACTIVITIES
THAT EXCEED A TIME DURATION OF 15 MINUTES
BUT NOT MORE THAN 60 MINUTES**

1. This traffic control setup is restricted to traffic signal work activities conducted within an interior travel lane of a multilane primary or secondary roadway that exceed a time duration of 15 minutes but not more than 60 minutes.
2. Install a standard lane closure for those traffic signal work activities that require the vehicle train to encroach upon or operate within the limits of a travel lane for a duration greater than 60 minutes.
3. Avoid conducting traffic signal work or similar work activities that interfere with or create disruptions to normal traffic operations during high traffic volume peak periods when possible.
4. The vehicle train shall include the primary work vehicle and a shadow vehicle. A secondary work vehicle is optional.
5. A secondary work vehicle is optional in the vehicle train.
A truck mounted advance warning arrow panel is optional on the secondary work vehicle. Operate the arrow panel in the double arrow mode when travel lanes, including left turn lanes, open to traffic are present on each side of the secondary work vehicle.
A truck mounted attenuator is optional on the secondary work vehicle.
Operate the secondary work vehicle in the same travel lane as the primary work vehicle on the approach to the intersection without encroaching into the intersection.
6. A shadow vehicle is required in the vehicle train.
A truck mounted advance warning arrow panel is required on the shadow vehicle.
Operate the arrow panel in the double arrow mode when travel lanes, including left turn lanes, open to traffic are present on each side of the shadow vehicle.
A truck mounted attenuator is required on the shadow vehicle.
Operate the shadow vehicle in the same travel lane as the primary work vehicle on the approach to the intersection without encroaching into the intersection. When a secondary work vehicle is used, operate the shadow vehicle 25' to 100' in advance of the secondary work vehicle.
7. Install and maintain traffic control devices in advance of and adjacent to the primary work vehicle to channelize traffic turning from the side street.
8. Supplement the work vehicles and the shadow vehicles with amber colored auxiliary warning lights. The auxiliary warning lights shall be high intensity rotating, flashing, oscillating or strobe lights. Standard vehicle hazard warning lights are only permitted as a supplement to the auxiliary warning lights.

GENERAL NOTES:

1. THIS TRAFFIC CONTROL SETUP IS RESTRICTED TO THOSE TRAFFIC SIGNAL WORK ACTIVITIES CONDUCTED IN AN INTERIOR TRAVEL LANE OF A MULTILANE ROADWAY THAT EXCEED A TIME DURATION OF 15 MINUTES BUT NOT MORE THAN 60 MINUTES.
2. INSTALL A STANDARD LANE CLOSURE FOR THOSE TRAFFIC SIGNAL WORK ACTIVITIES THAT REQUIRE THE VEHICLE TRAIN TO REMAIN IN THE ROADWAY FOR LONGER THAN 60 MINUTES.
3. THE VEHICLE TRAIN SHALL INCLUDE THE PRIMARY WORK VEHICLE AND A SHADOW VEHICLE. A SECONDARY WORK VEHICLE IS OPTIONAL.
4. FOR THE TRAFFIC CONTROL SETUP FOR A SIDE STREET WITH DUAL LEFT TURN LANES, SEE DRAWING 605-05-B(2).



**DRAWING 605-03-B
TRAFFIC SIGNAL
WORK OPERATIONS
VEHICLE TRAIN
LEFT LANE CLOSURE
MULTILANE
PRIMARY & SECONDARY
ROUTES w/
2 THROUGH LANES
TRAFFIC SIGNAL WORK ACTIVITIES
THAT EXCEED A TIME DURATION
OF 15 MINUTES
BUT NOT MORE THAN 60 MINUTES**

VEHICLE TRAIN

PRIMARY WORK VEHICLE

AMBER COLORED HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ARE REQUIRED ON THE PRIMARY WORK VEHICLE. VEHICLE HAZARD WARNING LIGHTS ARE ONLY PERMITTED AS A SUPPLEMENT TO THESE DEVICES.

SECONDARY WORK VEHICLE (OPTIONAL)

AMBER COLORED HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ARE REQUIRED ON THE SECONDARY WORK VEHICLE. VEHICLE HAZARD WARNING LIGHTS ARE ONLY PERMITTED AS A SUPPLEMENT TO THESE DEVICES.

A TRUCK MOUNTED ADVANCE WARNING ARROW PANEL IS OPTIONAL ON THE SECONDARY WORK VEHICLE.

WHEN A LEFT TURN LANE IS PRESENT, OPERATE THE ADVANCE WARNING ARROW PANEL IN THE DOUBLE ARROW MODE WHEN TRAVEL LANES OPEN TO TRAFFIC ARE PRESENT ON EACH SIDE OF THE SECONDARY WORK VEHICLE.

A TRUCK MOUNTED ATTENUATOR IS OPTIONAL ON THE SECONDARY WORK VEHICLE.

OPERATE THE SECONDARY WORK VEHICLE IN THE SAME TRAVEL LANE AS THE PRIMARY WORK VEHICLE ON THE APPROACH TO THE INTERSECTION WITHOUT ENCRDACHING INTO THE INTERSECTION.



ALTERNATE DISPLAY



SHADOW VEHICLE

AMBER COLORED HIGH INTENSITY ROTATING, FLASHING, OSCILLATING OR STROBE LIGHTS ARE REQUIRED ON THE SHADOW VEHICLE. VEHICLE HAZARD WARNING LIGHTS ARE ONLY PERMITTED AS A SUPPLEMENT TO THESE DEVICES.

A TRUCK MOUNTED ADVANCE WARNING ARROW PANEL IS REQUIRED ON THE SHADOW VEHICLE.

WHEN A LEFT TURN LANE IS PRESENT, OPERATE THE ADVANCE WARNING ARROW PANEL IN THE DOUBLE ARROW MODE WHEN TRAVEL LANES OPEN TO TRAFFIC ARE PRESENT ON EACH SIDE OF THE SHADOW VEHICLE.

A TRUCK MOUNTED ATTENUATOR IS REQUIRED ON THE SHADOW VEHICLE.

OPERATE THE SHADOW VEHICLE IN THE SAME TRAVEL LANE AS THE PRIMARY WORK VEHICLE ON THE APPROACH TO THE INTERSECTION WITHOUT ENCRDACHING INTO THE INTERSECTION.



ALTERNATE DISPLAY



ADVANCE WARNING SIGN PLACEMENT INTERVALS			
SPEED LIMIT	*	*	*
URBAN / RURAL (LOW SPEED) ≤ 35 MPH	200 FT	200 FT	200 FT
URBAN / RURAL (INTERMEDIATE SPEED) 40 MPH - 50 MPH	350 FT	350 FT	350 FT
RURAL (HIGH SPEED) ≥ 50 MPH	500 FT	500 FT	500 FT

NOTE: THESE SIGN PLACEMENT INTERVALS ARE BASED UPON THE POSTED REGULATORY SPEED LIMIT OF THE ROADWAY PRIOR TO BEGINNING ANY WORK.

**DESIGN DETAILS
FOR
OVERHEAD ILLUMINATED SIGNS**

Overhead street signs shall be mounted at the four (4) intersections provided in Table 1.









MAIN ROAD	INTERSECTING STREET SIGN	TYPE OF MOUNT	NUMBER OF SIGNS
US 521		SPAN	1
			1
		SPAN	1
			1
		SPAN	1
			1
		SPAN	1
			1

Table 1

Placement

Each intersection shall have (1) sign placed in each direction for a total of two (2) signs at each intersection. All signs shall be installed on the span wire between existing signal head facing the outside lane and the signal pole. No signal heads will be moved to accommodate the signs unless approved by the Engineer. Once installed, the streets signs shall not interfere in any way with motorists view of the signal heads.

The signs shall be aligned such that the bottom edges of the signs are the same elevation.

Utility Coordination

The Contractor, prior to the beginning of any construction activity, shall coordinate as necessary with the Utility Company to provide power and any necessary attachment agreements as well as ensuring all utilities are identified and avoided during construction.

Traffic Control

Lanes closures will not be allowed between 7:00 AM – 9:00 AM and 4:00 – 6:00 PM Monday through Friday. The contractor is responsible for scheduling and furnishing its own traffic control.

During the installation of overhead signs, traffic control shall comply with The Contractor shall execute the item of Traffic Control as required by the Standard Specifications, the plans, the Standard Drawings For Road Construction, these special provisions, all supplemental specifications, the MUTCD, and the Engineer.

Traffic Control Standard Drawing 605-02-B for activities requiring closure of the right lane. For closure of the interior lane, the contractor shall comply with Traffic Control Standard Drawing Number 605-03-B is provided for the contractor's reference.

The contractor shall notify the engineer shall be notified 48 hours prior to beginning work.

All signs mounted on portable sign supports shall have a minimum mounting height of 5' from the ground to the bottom of the sign. All signs mounted on ground mounted u-channel posts shall have a minimum mounting height of 7' from the ground to the bottom of the sign.

The AADT for US 521 in this corridor is 27,700. The estimated volume in each direction during the peak hour is 1400.

The Department prohibits lane closures on primary routes during any time of the day that traffic volumes exceed 800 vehicles per hour per direction. The Department reserves the right to suspend a lane closure if any resulting traffic backups are deemed excessive by the Engineer. Maintain all lane closure restrictions as directed by the plans, these special provisions, and the Engineer.

The Department reserves the right to restrict the installation of lane closures on high volume primary routes when the presence of a lane closure will seriously hinder normal traffic flow during extended holiday periods. An extended holiday period is hereby defined as those days preceding and following the holiday that experience significant increases in the volume of traffic due to the holiday as determined by the Department. Also, the Department reserves the right to increase an extended holiday period if excessive traffic disruptions occur during those days prior to and after the established extended holiday period. Extended holiday periods include but are not limited to the week of Thanksgiving, the weeks before

and after Christmas, and the weeks before and after the 4th of July. The Contractor should submit inquiries to the Engineer regarding specific days of an extended holiday period no less than two weeks prior to entering into an extended holiday period. The Contractor should make these inquiries annually due to the progressive nature of the calendar.

Flagging operations are considered to be lane closures for two-lane two-way operations and shall be subject to all restrictions for lane closures as specified by this contract.

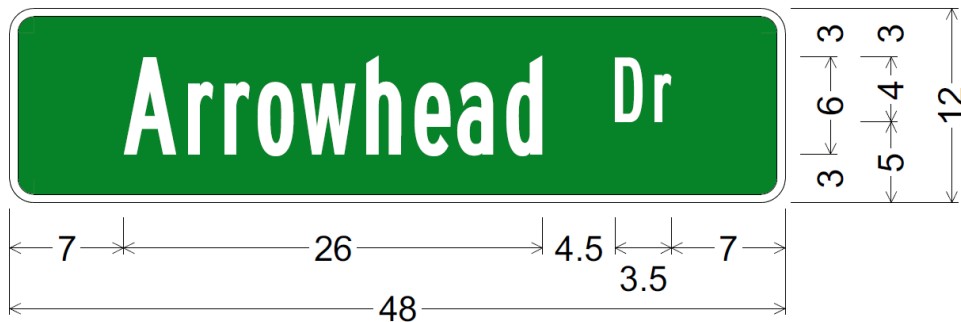
Lane closures, including flagging operations, are restricted to maximum distances of 2 miles. Install all lane closures according to the typical traffic control standard drawings. On occasions when daytime lane closures must be extended into the nighttime hours, substitute the nighttime lane closure standards for the daytime lane closure standards.

The Department reserves the right to suspend a lane closure if any resulting traffic backups are deemed excessive by the Engineer. Maintain all lane closure restrictions as directed by the Standard Specifications, these special provisions, and the Engineer.

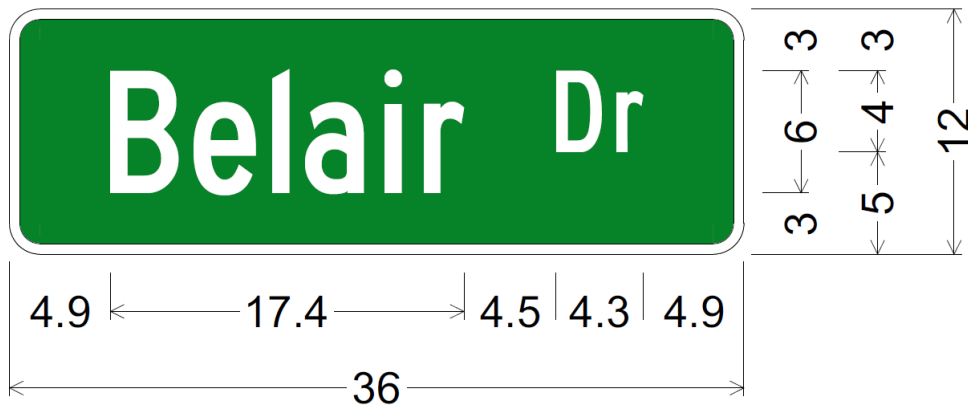
**DESIGN DETAILS
FOR
GROUND MOUNTED SIGNS**

Ground mounted sign shall be manufactured using Type III sheeting. Signs shall have white lettering, green background and a white border. Signs shall be manufactured and installed in compliance with the plans, 2009 Edition of the Manual on Uniform Traffic Control and South Carolina Department of Transportation's 2007 Standard Specifications for Highway Construction. Signs, except for Jim Wilson Road at the state line, shall be manufactured and installed so they are visible in opposing directions and do not interfere with existing signs.

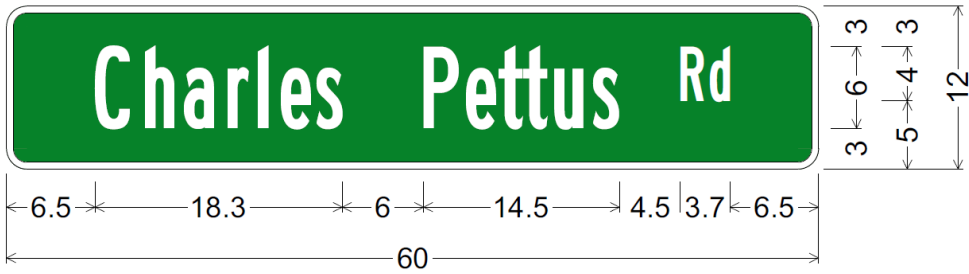
SIGN DESIGNS



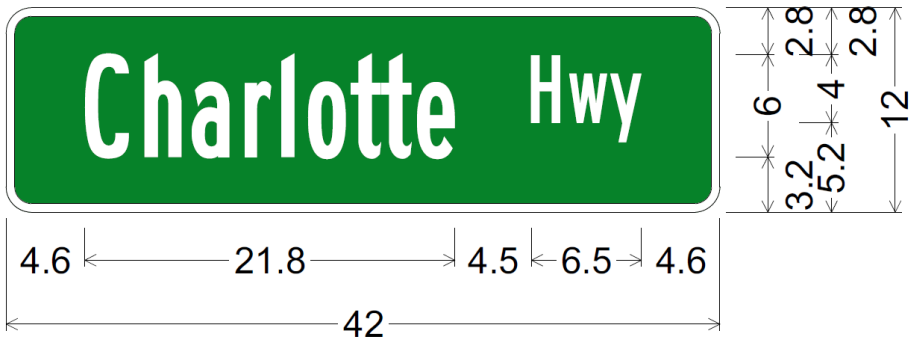
1.5" Radius, 0.5" Border, White on, Green;
 "Arrowhead", B 2K 115% spacing;
 "Dr", B 2K 115% spacing;



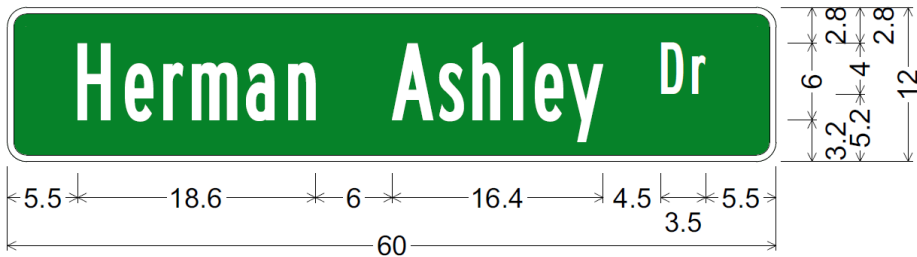
1.5" Radius, 0.5" Border, White on, Green;
 "Belair", C 2K; "Dr", C 2K;



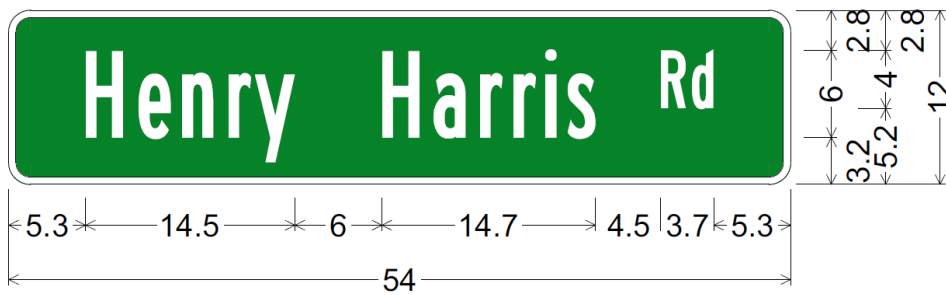
1.5" Radius, 0.5" Border, White on, Green;
 "Charles Pettus", B 2K 115% spacing;
 "Rd", B 2K 115% spacing;



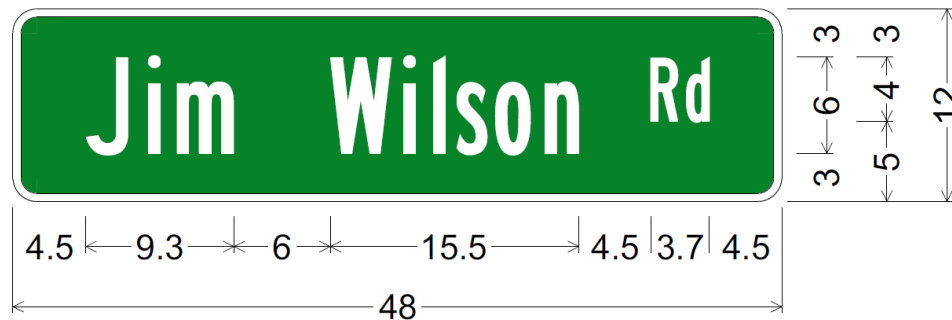
1.5" Radius, 0.5" Border, White on, Green;
 "Charlotte", B 2K; "Hwy", B 2K;



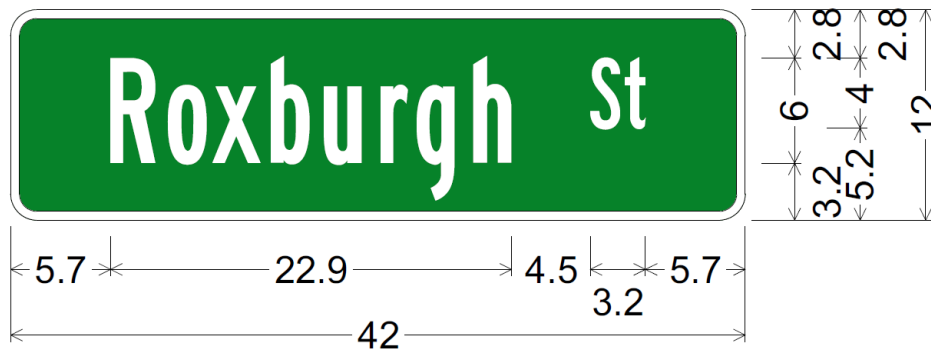
1.5" Radius, 0.5" Border, White on, Green;
 "Herman Ashley", B 2K 115% spacing;
 "Dr", B 2K 115% spacing;



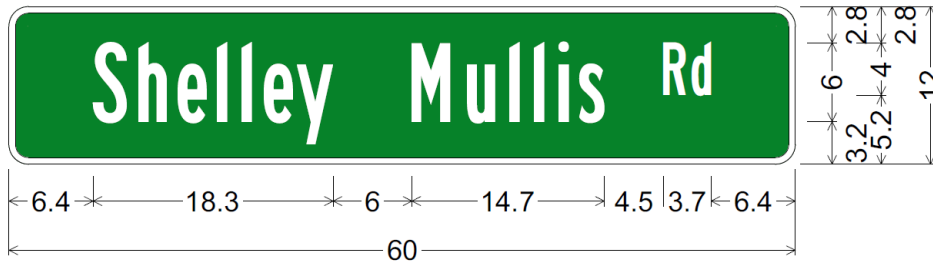
1.5" Radius, 0.5" Border, White on, Green;
 "Henry Harris", B 2K 115% spacing;
 "Rd", B 2K 115% spacing;



1.5" Radius, 0.5" Border, White on, Green;
 "Jim Wilson", B 2K 110% spacing;
 "Rd", B 2K 110% spacing;



1.5" Radius, 0.5" Border, White on, Green;
 "Roxburgh", B 2K 115% spacing;
 "St", B 2K 115% spacing;



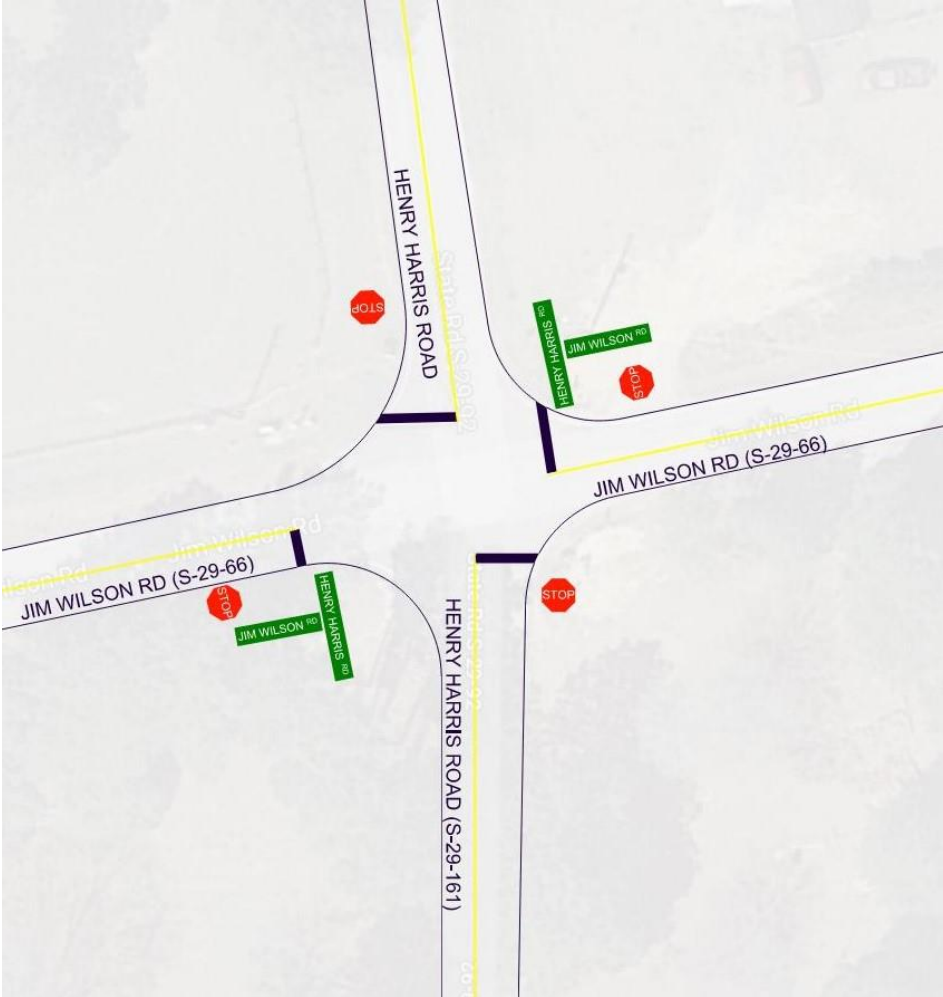
1.5" Radius, 0.5" Border, White on, Green;
 "Shelley Mullis", B 2K 115% spacing;
 "Rd", B 2K 115% spacing;

Placement

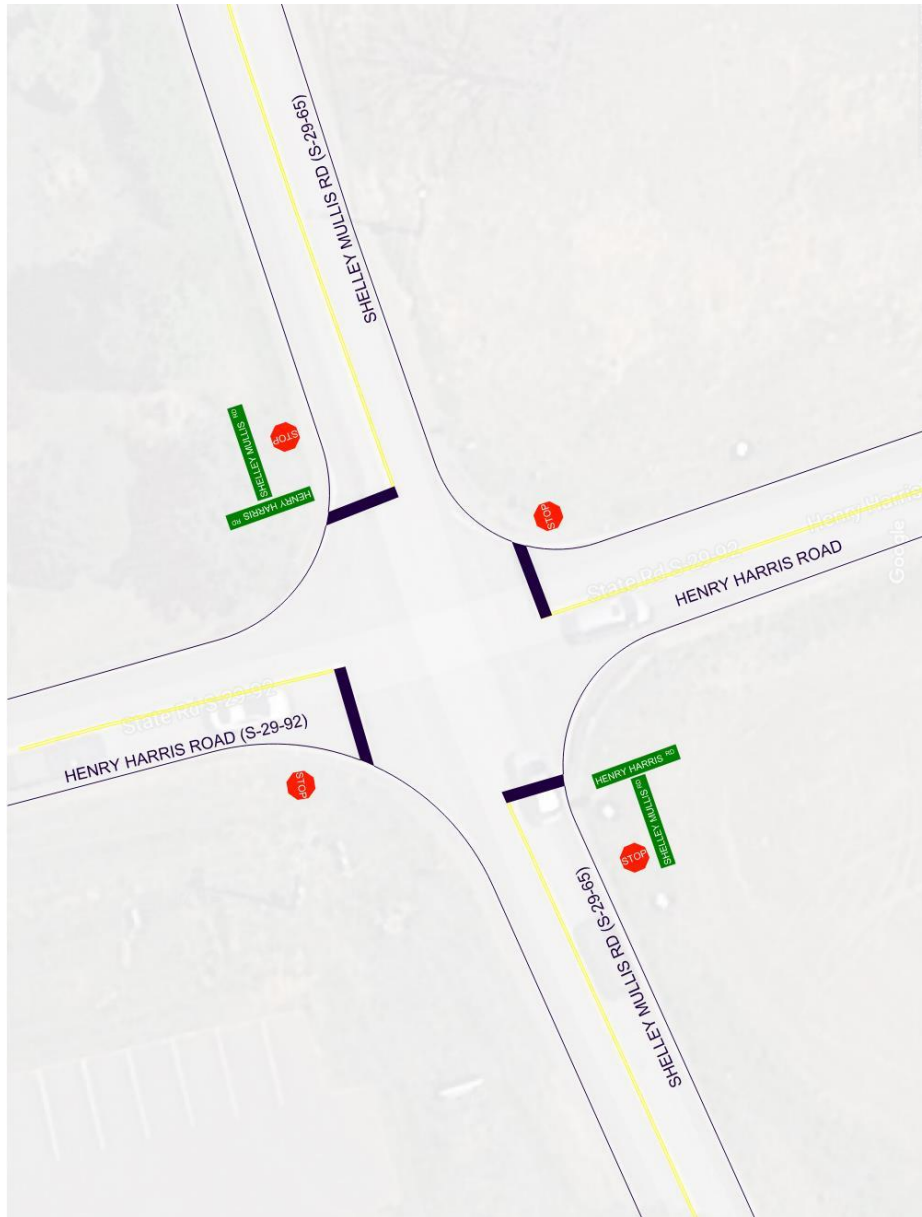
Signs shall be constructed and mounted so that they can be seen in opposing directions. Signs shall be mounted a separate post with no other regulatory or warning signs mounted on the post. Existing posts shall be used if available and deemed serviceable. If new signposts are required, U-Section Post for Sign Support-3P shall be used. The signs shall be aligned such that the bottom edges are level.

Signs shall be configured so that they are parallel to the route they are identifying. Below is the mounting location and configuration at the four-way stop intersections.

Jim Wilson Road / Henry Harris Road



Shelley Mullis Rd/ Henry Harris Rd



Utility Coordination

The Contractor, prior to the beginning of any construction activity, shall coordinate as necessary to ensure all utilities are identified and avoided during construction.

Traffic Control

During the manufacture and installation of overhead signs, traffic control shall comply with The Contractor shall execute the item of Traffic Control as required by the Standard Specifications, the Standard Drawings For Road Construction, the MUTCD, and the Engineer.

GROUND MOUNTED SIGN QUANTITIES

Ground Mounted Signs						
Main Road	Intersecting Road	Number of Signs	Name of Sign	Comments	Size (ft ²)	U Channel (Type 3P)
US 521	Henry Harris Road	1	Henry Harris Road	T-Intersection	9	0
US 521	Arrowhead Drive	1	Arrowhead Drive	T-Intersection	8	0
US 521	Charles Pettus Road (North)	2	Charles Pettus Road / Charlotte Highway	T-Intersection, Include Charlotte Highway	17	0
US 521	Charles Pettus Road (South)	2	Charles Pettus Road / Charlotte Highway	T-Intersection, Include Charlotte Highway	17	0
Henry Harris Road	Herman Ashley Drive	1	Herman Ashley Drive	T-Intersection	10	22
Shelly Mullis Road	Henry Harris Road	4	Shelly Mullis Road / Henry Harris Road	4-Way Stop, Major Rd is Shelly Mullis	19	44
Jim Wilson Road	Henry Harris Road	4	Jim Wilson Road / Henry Harris Road	4-Way Stop, Major Rd is Jim Willson	17	44
Jim Wilson Road	Belair Drive	1	Belair Drive	T-Intersection	6	0
Jim Wilson Road	Roxburgh Steet	1	Roxburgh Street	T-Intersection	7	22
Jim Wilson Road	At the State Line	1	At the State Line	Only One Side, Mount on Existing Post	5	0
Total					115	132

PROJECT CLOSEOUT DOCUMENTS

AFFIDAVIT OF PAYMENT

To All Whom It May Concern:

WHEREAS, the undersigned has been employed by *Lancaster County* to furnish labor and materials for **installing overhead illuminated and ground mounted signs** and associated work, under a contract described as **500200414** for the improvement of property described as **Overhead Illuminated Signs and Ground Mounted Signs Along US 521** located in the County of Lancaster, State of *South Carolina* of which the government of *Lancaster County* on behalf of Lancaster County Public Works, located at *1980 Pageland Hwy, Lancaster, South Carolina, 29721* is the Owner,

NOW, THEREFORE, this _____ day of _____ 2020

The undersigned, as the Contractor for the above named Contract pursuant to the Conditions of the Contract hereby certified that, except as listed below, has paid in full or has otherwise satisfied all obligations for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or its property might in any way be held responsible.

EXCEPTIONS:(If none, write "None". The Contractor shall furnish a bond satisfactory to the Owner for each exception.)

ATTACHMENTS:

1. Consent of Surety to Final Payment. (Whenever Surety is involved, Consent of Surety is required.)
2. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
3. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers.
4. Contractors Affidavit of Release of Liens.

(SEAL)

CONTRACTOR (Name of sole ownership, corporation or partnership)

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL)

(Affix corporate seal here)

TITLE _____

AFFIDAVIT OF RELEASE OF LIEN

To All Whom It May Concern:

WHEREAS, the undersigned has been employed by *Lancaster County* to furnish labor and materials for **installing overhead illuminated and ground mounted signs** and associated work, under a contract described as **500200414** for the improvement of property described as **Overhead Illuminated Signs and Ground Mounted Signs Along US 521** located in the County of Lancaster, State of *South Carolina* of which the government of *Lancaster County* on behalf of Lancaster County Public Works, located at *1980 Pageland Hwy, Lancaster, South Carolina, 29721* is the Owner,

NOW, THEREFORE, this _____ day of _____ 2020

The undersigned, as the Contractor for the above-named Contract pursuant to the Conditions of the Contract hereby certifies that to the best of his/her knowledge, information and belief, except as listed below, the Releases or Waivers of Lien attached hereto include the Contractor, all Subcontractors, all suppliers of materials and equipment, and all performers of Work, labor or services, who have or may have liens against any property of the Owner arising in any manner out of the performance of the Contract referenced above.

EXCEPTIONS: (If none, write "None". The Contractor shall furnish a bond satisfactory to the Owner for each exception.)

ATTACHMENTS:

1. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
2. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers.

(SEAL)

CONTRACTOR (Name of sole ownership, corporation or partnership)

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL)

(Affix corporate seal here)

TITLE _____

FINAL WAIVER OF LIEN

To All Whom It May Concern:

WHEREAS, the undersigned has been employed by *Lancaster County* to furnish labor and materials for **installing overhead illuminated and ground mounted signs** and associated work, under a contract described as **500200414** for the improvement of property described as **Overhead Illuminated Signs and Ground Mounted Signs Along US 521** located in the County of Lancaster, State of *South Carolina* of which the government of *Lancaster County* on behalf of Lancaster County Public Works, located at *1980 Pageland Hwy, Lancaster, South Carolina, 29721* is the Owner,

NOW, THEREFORE, this _____ day of _____ 2020

for and in consideration of the sum of (\$) _____ Dollars paid simultaneously herewith, the receipt whereof is hereby acknowledged by the undersigned, the undersigned does hereby waive and release any lien rights to, or claim of lien with respect to and on said above-described premises, and the improvements thereon, and on the monies or other considerations due to become due from the owner, on account of labor, services, material, fixtures, apparatus of machinery heretofore or which may hereafter be furnished by the undersigned to or for the above-described premises by virtue of said contract.

(SEAL)

CONTRACTOR (Name of sole ownership, corporation or partnership)

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL)

(Affix corporate seal here)

TITLE _____

INSTRUCTIONS FOR FINAL WAIVER

- a) Fill in nature and extent of work; strike the word labor or the word materials if not in your contract.
- b) Amount shown should be the amount actually received and equal to total amount of contract as adjusted.
- c) If waiver is for a corporation, corporate name should be used, corporate seal affixed and title of officer signing waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as partner.

CONTRACTOR WARRANTY FORM

PROJECT: Overhead Illuminated Signs and Ground Mounted Signs Along US 521

LOCATION: Lancaster County, South Carolina

OWNER: County of Lancaster

Contractor (Company Name) _____ for the above-referenced project, do hereby warrant all labor and materials furnished and work performed are in accordance with the Contract Documents and authorized modifications thereto, and will be free from defects due to defective materials or workmanship for a period of two (2) years from Date of Completion. This warranty commences on _____ and expires on _____.

This warranty covers that portion of the project described below:

Should any defect develop during the warranty period due to improper materials, workmanship or arrangement, the defect shall, upon written notice by the Owner, be made good by the Undersigned at no expense to the Owner.

Nothing in the above shall be deemed to apply to work, which has been abused or neglected by the Owner.

DATE _____

(SEAL) _____
CONTRACTOR (Name of sole ownership, corporation or partnership)

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL)

(Affix corporate seal here)

TITLE _____

CONSENT OF SURETY For Final Payment

Project Name: **Overhead Illuminated Signs and Ground Mounted Signs Along US 521**

Location: Lancaster County, SC

Project No. 500200414

Type of Contract _____

Amount of Contract _____

In accordance with the provisions of the above-named contact between the Owner and the Contractor, the following named surety:

on the Payment Bond of the following named Contractor:

hereby approves of final payment to the Contractor, and further agrees that said final payment to the Contractor shall not relieve the Surety Company named herein of any of its obligations to the following _____ named Owner: as set forth in said Surety company's bond:

IN WITNESS WHEREOF, the Surety Company has hereunto set its hand and seal this ____ day of _____

(SEAL)

NAME of SURETY COMPANY

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL) (Affix corporate seal here)

TITLE _____

IF SIGNED BY ATTORNEY-IN-FACT, POWER OF ATTORNEY IS REQUIRED