



CITY OF  
**ELIZABETH CITY**  
 HARBOR OF HOSPITALITY *North Carolina*

**Addendum #3 - READVERTISEMENT**

**June 3, 2021**

**EC051821 Providence Road Bridge Replacement**

TO: PROSPECTIVE BIDDERS HOLDING PLANS AND SPECIFICATIONS FOR CITY OF ELIZABETH CITY CONTRACT EC051821

RE: EC051821 PROVIDENCE ROAD BRIDGE REPLACEMENT (B-6053)

*ADDENDUM NO. 3 - READVERTISEMENT*

**Item 1: READVERTISEMENT**

City Contract EC051821 is being readvertised and any interested and qualified contractors are welcomed to participate. The Bid Opening for EC051821 (B-6053) is rescheduled for **Thursday, June 24th, at 11:00am; in the City Hall Council Chambers, second floor, located at 306 East Colonial Avenue, Elizabeth City, NC.** See additional information in the attached Readvertisement.

**Item 1A: Extended Period for Questions from Prospective Contractors/Bidders:**

Questions on the plans and specifications received in writing after **2:00 pm on Thursday, June 17, 2021** may not be answered. The final Addendum will be issued by end of the day on **Friday, June 18, 2021.** All responses to the questions pertaining to this project will be answered by Addendum and posted on the City's and NCDOT's websites.

Inquiries should be directed to:

**Brian D. Peeler, PE, PTOE**

**Proposals Engineer, RK&K, LLP**

Email Address: bpeeler@rkk.com

Mailing Address: 8601 Six Forks Road, Forum 1 Suite 700, Raleigh, NC 27615

**Item 2: Contract Proposal and Plans Revisions:**

The following contract and plans revisions are included as part of this Addendum:

- 2.1. Contract:** Revise pages 1 and 2 of the contract with the following:
- 2.2. Contract:** Replace the **Mandatory Pre-Bid Conference (Prequalifying To Bid)** with the following (Contract, p.7):
- 2.3. Contract:** Replace the **Contract Time and Liquidated Damages**, and the **Intermediate Contract Times (1, 2 & 3) and Liquidated Damages** with the following (from Contract, pp.8-9):
- 2.4. Contract:** Update the **Fuel Price Adjustment** specification with the following June 1, 2021 price (reference Contract, pp.12-13):
- 2.5. Contract:** Update the **Price Adjustment – Asphalt Binder for Plant Mix** specification with the following June 1, 2021 price (reference Contract, p.40):
- 2.6. Final Plans:** Replace Transportation Management Plan Sheet **TMP-2** with the following, which includes revised Phase II notes regarding road closure time:
- 2.7. Final Plans:** Replace Structure Plan Sheet **S-3** with the following, which includes revised Notes regarding road closure time:



CITY OF  
**ELIZABETH CITY**  
HARBOR OF HOSPITALITY *North Carolina*

**READVERTISEMENT  
REQUEST FOR BIDS**

**EC051821 Providence Road Bridge Replacement**

**Issue Date:** June 3, 2021

**Issuing Department:**

City of Elizabeth City  
306 E. Colonial Avenue, 2<sup>nd</sup> Floor, Council Chambers  
Elizabeth City, NC 27909

Pursuant to North Carolina General Statutes 143-129, the City of Elizabeth City will receive sealed bids for **EC051821 Providence Road Bridge Replacement** until **11:00 am on June 24, 2021** by hand delivery to the address shown above. The bidder is responsible for ensuring the bid is received at the bid opening location, prior to the bid opening. No bids will be accepted after the official time and date.

Questions concerning the proposed Bid documents shall be sent in writing to Brian D. Peeler, Proposals Engineer, RK&K, LLP by email at [bpeeler@rkk.com](mailto:bpeeler@rkk.com), or by mail to 8601 Six Forks Road, Forum 1 Suite 700, Raleigh, NC 27615. The last date for submitting questions is **2:00 pm on June 17, 2021**. Questions will also be received at the pre-bid meeting. All responses to the questions pertaining to this project will be answered by Addendum and posted on the City's website.

A (virtual) pre-bid meeting will be held at **2:00 pm on June 17, 2021**. The pre-bid meeting is mandatory for any newly interested and qualified contractors. The pre-bid is not mandatory for any interested and qualified contractors who attended the prior pre-bid meeting held on April 27, 2021. Please RSVP to Brian D. Peeler by email to [bpeeler@rkk.com](mailto:bpeeler@rkk.com) to receive an electronic invitation to the virtual meeting.

The City of Elizabeth City reserves the right to accept or reject, in whole or in part, such bids as appears in its judgment to be in the best interest of the City.

Bidding Documents are located at:

- City of Elizabeth City's News & Announcements website (<http://www.cityofec.com>)
- NCDOT Division 1 Letting website (<https://connect.ncdot.gov/letting/Pages/Division1Letting.aspx>)

Inquiries should be directed to:

**Brian D. Peeler, PE, PTOE**

**Proposals Engineer, RK&K, LLP**

Email Address: [bpeeler@rkk.com](mailto:bpeeler@rkk.com)

Mailing Address: 8601 Six Forks Road, Forum 1 Suite 700, Raleigh, NC 27615



CITY OF  
**ELIZABETH CITY**  
HARBOR OF HOSPITALITY *North Carolina*

**CITY OF ELIZABETH CITY**  
PUBLIC UTILITIES  
**CONTRACT PROPOSAL**

**CONTRACT ID:** EC051821  
**WBS ELEMENT NO.:** 48754.3.1  
**FEDERAL AID NO.:** STBG-0111(026)  
**TIP NUMBER:** B-6053  
**COUNTY:** PASQUOTANK  
**DESCRIPTION:** REPLACE BRIDGE #34 ON PROVIDENCE ROAD OVER KNOBBS CREEK TRIBUTARY  
**DATE OF ADVERTISEMENT:** APRIL 16, 2021  
**MANDATORY PRE-BID MEETING:** APRIL 27, 2021  
**DATE OF READVERTISEMENT:** JUNE 3, 2021  
**PRE-BID MEETING (MANDATORY for New Bidders):** JUNE 17, 2021  
**BID OPENING:** 11:00 AM JUNE 24, 2021

**\*\*\* NOTICE \*\*\***

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. FOR CONTRACTS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD, BIDDERS ARE REQUIRED TO BECOME LICENSED BY THE NC LICENSING BOARD. NON-LICENSED BIDDERS ARE PERMITTED 60 DAYS AFTER BID OPENING TO OBTAIN PROPER LICENSING FOR THE TYPE OF PROJECT BEING LET. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA.

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NAME OF BIDDER

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ADDRESS OF BIDDER

**RETURN BIDS TO:** City of Elizabeth City, Council Chambers (2<sup>nd</sup> Floor)  
**Attention:** Brian D. Peeler  
**Person's Title:** Proposals Engineer  
**Physical Address:** 306 East Colonial Avenue (2<sup>nd</sup> Floor), Elizabeth City, NC 27907

**ALL BIDS MUST BE RECEIVED AT THE DATE AND TIME LISTED ABOVE.**

## **INSTRUCTIONS TO BIDDERS**

**PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE PREPARING AND SUBMITTING YOUR BID.**

**All bids shall be prepared and submitted in accordance with the following requirements. Failure to comply with any requirement shall cause the bid to be considered irregular and shall be grounds for rejection of the bid.**

1. The bid form furnished by the **City of Elizabeth City** with the proposal shall be used and shall not be altered in any manner. **DO NOT SEPARATE THE BID FORM FROM THE PROPOSAL!**
2. All entries on the bid form, including signatures, shall be written in ink.
3. The Bidder shall submit a unit price for every item on the bid form. The unit prices for the various contract items shall be written in figures. **\*\*\*Unit prices must be limited to TWO decimal places.\*\*\***
4. An amount bid shall be entered on the bid form for every item. The amount bid for each item shall be determined by multiplying each unit bid by the quantity for that item, and shall be written in figures in the "Amount Bid" column of the form.
5. The total amount bid shall be written in figures in the proper place on the bid form. The total amount shall be determined by adding the amounts bid for each item.
6. Changes in any entry shall be made by marking through the entry in ink and making the correct entry adjacent thereto in ink. A representative of the Bidder shall initial the change in ink. Do not use "White Out" or similar product to make corrections.
7. The bid shall be properly executed. All bids shall show the following information:
  - a. Name of individual, firm, corporation, partnership, or joint venture submitting bid.
  - b. Name of individual or representative submitting bid and position or title.
  - c. Name, signature, and position or title of witness.
  - d. Federal Identification Number
  - e. Contractor's License Number (If available)
8. Bids submitted by corporations shall bear the seal of the corporation.
9. The bid shall not contain any unauthorized additions, deletions, or conditional bids.
10. The bidder shall not add any provision reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
11. **THE PROPOSAL WITH THE BID FORM STILL ATTACHED SHALL BE PLACED IN A SEALED ENVELOPE AND SHALL HAVE BEEN DELIVERED TO AND RECEIVED IN THE *City Hall Council Chambers, second floor, located at 306 East Colonial Avenue, Elizabeth City, NC*, BY 11:00 AM LOCAL TIME ON, JUNE 24, 2021.**
12. The sealed bid must display the following statement on the front of the sealed envelope:

**"QUOTATION FOR: EC051821 PROVIDENCE ROAD BRIDGE REPLACEMENT (B-6053)"**
13. Sealed bids shall not be delivered by mail.

2.2. Replace the **Mandatory Pre-Bid Conference (Prequalifying To Bid)** with the following (Contract, p.7):

## **PROJECT SPECIAL PROVISIONS - GENERAL**

### **MANDATORY PRE-BID CONFERENCE (Prequalifying To Bid):**

In order for all prospective bidders to have an extensive knowledge of the project, all prospective bidders shall attend at least one mandatory (*virtual*) pre-bid conference. The first at **2:00 PM on Tuesday, April 27, 2021**. The second at **2:00 PM on Thursday, June 17, 2021**. Please contact Brian D. Peeler at (919) 653-7351 or [bpeeler@rkk.com](mailto:bpeeler@rkk.com) for inquiries.

Please RSVP to Brian D. Peeler by email to [bpeeler@rkk.com](mailto:bpeeler@rkk.com) to receive an electronic invitation to the virtual meetings.

Questions concerning the proposed Bid documents shall be sent in writing to Brian D. Peeler, Proposals Engineer, RK&K, LLP by email at [bpeeler@rkk.com](mailto:bpeeler@rkk.com), or by mail to 8601 Six Forks Road, Forum 1 Suite 700, Raleigh, NC 27615. The last date for submitting questions is **2:00 pm on June 17, 2021**. Questions will also be received at the pre-bid meetings. All responses to the questions pertaining to this project will be answered by Addendum and posted on the City's News & Announcements website and the NCDOT Division 1 Letting website.

The pre-bid conferences will include a thorough discussion of the plans, contract pay items, special provisions, etc.

Only bidders who have attended and properly registered for at least one of the above scheduled pre-bid conferences and who have met all other prequalification requirements will be considered prequalified to bid on this project. A bid received from a bidder who has not attended and properly registered for at least one of the above scheduled pre-bid conferences will not be accepted and considered for award.

Attendance at the pre-bid conference will not meet the requirements of proper registration unless the individual attending has registered at the pre-bid conference in accordance with the following:

- (A) The individual types his/her name in the *virtual meeting chat window* at the beginning of the conference.
- (B) The individual types in the name and address of the company he/she represents in the *virtual meeting chat window*.
- (C) Only one company has been shown as being represented by the individual attending.
- (D) The individual attending is an officer or permanent employee of the company they are representing.

Attendance at any prior pre-bid conference other than those described above will not meet the requirement of this provision.

**2.3. Replace the Contract Time and Liquidated Damages, and the Intermediate Contract Times (1, 2 & 3) and Liquidated Damages with the following (reference Contract, pp.8-9):**

**CONTRACT TIME AND LIQUIDATED DAMAGES:**

(7-1-95) (Rev. 12-18-07)

108

SPECIAL

The date of availability for this contract is the date the Contractor begins work but not before **July 26, 2021** or later than **August 23, 2021**.

The completion date for this contract is the date that is **Ninety (90)** consecutive calendar days after completion of Intermediate Contract Time Number 1.

Except where otherwise provided by the contract, observation periods required by the contract will not be a part of the work to be completed by the completion date and/or intermediate contract times stated in the contract. The acceptable completion of the observation periods that extend beyond the final completion date shall be a part of the work covered by the performance and payment bonds.

The liquidated damages for this contract are **Two Hundred Dollars (\$ 200.00)** per calendar day. These liquidated damages will not be cumulative with any liquidated damages which may become chargeable under Intermediate Contract Time Number 1. At the preconstruction conference the Contractor shall declare his expected date for beginning work. Should the Contractor desire to revise this date after the preconstruction conference, he shall notify the Engineer in writing at least thirty (30) days prior to the revised date.

**INTERMEDIATE CONTRACT TIME NUMBER 1 AND LIQUIDATED DAMAGES:**

(12-18-07) (Rev. 2-21-12)

108

SP1 G13 B

Except for that work required under the Project Special Provisions entitled *Planting, Reforestation* and/or *Permanent Vegetation Establishment*, included elsewhere in this proposal, the Contractor will be required to complete all work included in this contract and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is the date of availability of the contract.

The completion date for this intermediate contract time is the date which is **One Hundred Twenty (120)** consecutive calendar days after the date of availability.

The liquidated damages for this intermediate contract time are **Five Hundred Dollars (\$500.00)** per calendar day.

Upon apparent completion of all the work required to be completed by this intermediate date, a final inspection will be held in accordance with Article 105-17 and upon acceptance, the Department will assume responsibility for the maintenance of all work except *Planting, Reforestation* and/or *Permanent Vegetation Establishment*. The Contractor will be responsible for and shall make corrections of all damages to the completed roadway caused by his planting operations, whether occurring prior to or after placing traffic through the project.

**INTERMEDIATE CONTRACT TIME NUMBER 2 AND LIQUIDATED DAMAGES:**

(05-03-21)

108

SPECIAL

The Contractor shall complete the work required of **PHASE II** as shown on Sheet(s) **TMP-2** and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is the date the Contractor elects to begin the work after providing a minimum 48 hours' notice to the City prior to road closure. The City will notify the public.

The completion date for this intermediate contract time is the date which is **Twenty-Eight [28]** consecutive calendar days after and including the date the Contractor begins this work.

The liquidated damages are **Five Thousand Dollars (\$ 5,000.00)** per calendar day.

**INTERMEDIATE CONTRACT TIME NUMBER 3 AND LIQUIDATED DAMAGES:**

(05-03-21)

108

SPECIAL

The Contractor may utilize an additional temporary road closure to accomplish pile-driving (H-pile and/or Sheet Pile).

The date of availability for this intermediate contract time is the date the Contractor elects to begin the work after providing a minimum 48 hours' notice to the City prior to road closure. The City will notify the public.

The completion date for this intermediate contract time is the date which is up to **Seven [7]** consecutive calendar days:

- after and including the date the Contractor begins this work, and
- occurring before, but not consecutive with, ICT #2.

The liquidated damages are **Five Thousand Dollars (\$ 5,000.00)** per calendar day.

2.4. Update the **Fuel Price Adjustment** specification with the following June 1, 2021 price (reference Contract, pp.12-13):

**FUEL PRICE ADJUSTMENT:**

(11-15-05) (Rev. 2-18-14)

109-8

SP1 G43

Revise the *2018 Standard Specifications* as follows:

**Page 1-87, Article 109-8, Fuel Price Adjustments**, add the following:

The base index price for DIESEL #2 FUEL is \$ **2.2314** per gallon. Where any of the following are included as pay items in the contract, they will be eligible for fuel price adjustment.

The pay items and the fuel factor used in calculating adjustments to be made will be as follows:

| Description                                     | Units   | Fuel Usage Factor Diesel |
|---|---------|--------------------------|
| Unclassified Excavation                         | Gal/CY  | 0.29                     |
| Borrow Excavation                               | Gal/CY  | 0.29                     |
| Class IV Subgrade Stabilization                 | Gal/Ton | 0.55                     |
| Aggregate Base Course                           | Gal/Ton | 0.55                     |
| Sub-Ballast                                     | Gal/Ton | 0.55                     |
| Asphalt Concrete Base Course, Type ____         | Gal/Ton | 2.90                     |
| Asphalt Concrete Intermediate Course, Type ____ | Gal/Ton | 2.90                     |
| Asphalt Concrete Surface Course, Type ____      | Gal/Ton | 2.90                     |
| Open-Graded Asphalt Friction Course             | Gal/Ton | 2.90                     |
| Permeable Asphalt Drainage Course, Type ____    | Gal/Ton | 2.90                     |
| Sand Asphalt Surface Course, Type ____          | Gal/Ton | 2.90                     |
| Aggregate for Cement Treated Base Course        | Gal/Ton | 0.55                     |
| Portland Cement for Cement Treated Base Course  | Gal/Ton | 0.55                     |
| __" Portland Cement Concrete Pavement           | Gal/SY  | 0.245                    |
| Concrete Shoulders Adjacent to __" Pavement     | Gal/SY  | 0.245                    |

2.5. Update the **Price Adjustment – Asphalt Binder for Plant Mix** specification with the following June 1, 2021 price (reference Contract, p.40):

**PRICE ADJUSTMENT - ASPHALT BINDER FOR PLANT MIX:**

(11-21-00)

620

SP6 R25

Price adjustments for asphalt binder for plant mix will be made in accordance with Section 620 of the *2018 Standard Specifications*.

The base price index for asphalt binder for plant mix is \$ **484.09** per ton.

This base price index represents an average of F.O.B. selling prices of asphalt binder at supplier's terminals on **June 1, 2021**.



**2.6. Final Plans:** Replace Transportation Management Plan Sheet **TMP-2** with the following, which includes revised Phase II notes regarding road closure time:

## TRAFFIC CONTROL PHASING

### PHASE I

- STEP 1) USING ROADWAY STANDARD DRAWING NUMBER 1101.04, INSTALL ADVANCE WARNING SIGNS FOR THE PROVIDENCE ROAD OFFSITE DETOUR, KEEPING SIGNS COVERED. REFER TO ROADWAY STANDARD DRAWING NUMBER 1101.03 SHEET 1 AND 2, TMP-3 AND TMP-4 FOR SIGN LOCATIONS AND DESIGN.

### PHASE II

COMPLETE PHASE II (STEPS 1 THROUGH 4) IN TWENTY EIGHT, (28) CONSECUTIVE CALENDER DAYS.

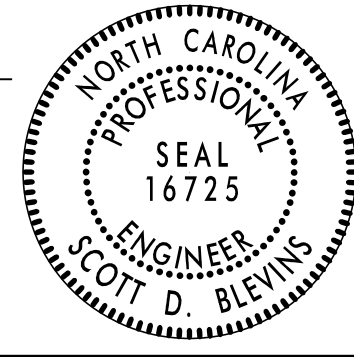

- STEP 1) USING ROADWAY STANDARD DRAWING 1101.02 (SHEET 3 OF 14) CLOSE OUTSIDE SOUTHBOUND LANE OF NC 344 (HALSTEAD BOULEVARD EXTENSION) FROM FAIRGROUND ROAD TO LEXINGTON DRIVE.

UNCOVER THE TEMPORARY DETOUR SIGNS, PLACE TYPE III BARRICADES, AND CLOSE PROVIDENCE ROAD TO THROUGH TRAFFIC AND DIRECT TO ITS TEMPORARY PATTERN (SEE TMP-3).

- STEP 2) DEMOLISH AND REMOVE EXISTING BRIDGE 690034 OVER KNOBBS CREEK.

- STEP 3) CONSTRUCT PROPOSED STRUCTURE AND APPROACH ROADWAY WIDENING AND PAVING (SEE ROADWAY AND STRUCTURE PLANS). REPLACE ANY SIGNS REMOVED DUE TO CONSTRUCTION OPERATIONS.

- STEP 4) PLACE FINAL LAYER OF SURFACE COURSE AND OPEN PROVIDENCE ROAD TO TRAFFIC, REMOVE LANE CLOSURE ON NC 344 (HALSTEAD BOULEVARD EXTENSION), AND REMOVE ANY REMAINING TRAFFIC CONTROL DEVICES AND DETOUR SIGNS FROM THE PROJECT.

|   |   |   |                                  |
|---|---|---|----------------------------------|
| APPROVED: _____<br><small>DocuSigned by:</small><br>DATE: <u>Scott D. Blevins</u><br><small>976995504EEF441</small><br>6/2/2021<br>SEAL |  |  | <h3>TRAFFIC CONTROL PHASING</h3> |
| <b>DOCUMENT NOT CONSIDERED FINAL<br/>         UNLESS ALL SIGNATURES COMPLETED</b>   |   |   |                                  |

**2.7. Final Plans:** Replace Structure Plan Sheet **S-3** with the following, which includes revised Notes regarding road closure time:

**NOTES:**

THE CONTRACTOR IS ONLY ALLOWED TO CLOSE PROVIDENCE ROAD FOR 28 DAYS.  
 SUGGESTED CONSTRUCTION SEQUENCE  
 STOCKPILE ALL PRECAST ITEMS  
 DRIVE SHEET PILES PARALLEL TO PROVIDENCE ROAD ALL FOUR QUADRANTS  
 DRIVE H-PILES (ALL 12 FOR BOTH END BENTS) THROUGH THE PAVEMENT AND COVER WITH 57 STONE  
 CLOSE PROVIDENCE ROAD SET UP DETOUR  
 DEMOLISH EXISTING STRUCTURE  
 DRIVE SHEET PILING IN FRONT OF END BENTS  
 SET PRECAST SUBSTRUCTURE ON PILES AND GROUT  
 SET PRECAST CORED SLAB SUPERSTRUCTURE AND GROUT  
 SET PRECAST BARRIER AND GROUT  
 OPEN (IF NECESSARY) PROVIDENCE ROAD  
 CONSTRUCT APPROACH SLABS  
 ATTACH GUARDRAIL TO STRUCTURE  
 PAVE PROVIDENCE ROAD  
 LIQUIDATED DAMAGES \$500/DAY FOR TOTAL CONTRACT TIME  
 LIQUIDATED DAMAGES \$5,000/DAY FOR 28 DAY ROAD CLOSURE TIME

ASSUMED LIVE LOAD = HL-93 OR ALTERNATE LOADING.

THIS BRIDGE HAS BEEN DESIGNED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS.

THIS BRIDGE IS LOCATED IN SEISMIC ZONE 1.

FOR OTHER DESIGN DATA AND GENERAL NOTES, SEE SHEET S-18.

FOR SUBMITTAL OF WORKING DRAWINGS, SEE SPECIAL PROVISIONS.

FOR FALSEWORK AND FORMWORK, SEE SPECIAL PROVISIONS.

FOR CRANE SAFETY, SEE SPECIAL PROVISIONS.

FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS.

FOR ROCK EMBANKMENT AND CORE MATERIAL IN AREAS OF END BENTS, SEE ROADWAY PLANS.

WORK ON END BENTS SHALL NOT BE STARTED UNTIL APPROACH ROCK EMBANKMENT AND CORE MATERIAL IN THE AREA OF END BENT PILES HAVE BEEN PLACED.

ALL BAR SUPPORTS USED IN THE PRECAST ELEMENTS AND ALL INCIDENTAL REINFORCING STEEL SHALL BE EPOXY COATED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE EXISTING PAVEMENT WITHIN THE AREA OF THE END BENT PILES SHALL BE REMOVED AND THE ROADBED SCARIFIED TO A MINIMUM DEPTH OF 2'-0".

INASMUCH AS THE PAINT SYSTEM ON THE EXISTING STRUCTURAL STEEL CONTAINS LEAD, THE CONTRACTOR'S ATTENTION IS DIRECTED TO ARTICLE 107-1 OF THE STANDARD SPECIFICATIONS. ANY COSTS RESULTING FROM COMPLIANCE WITH APPLICABLE STATE OR FEDERAL REGULATIONS PERTAINING TO HANDLING OF MATERIALS CONTAINING LEAD BASED PAINT SHALL BE INCLUDED IN THE BID PRICE FOR "REMOVAL OF EXISTING STRUCTURE AT STATION 11+99.00 -L-".

THE MATERIAL SHOWN IN THE CROSS-HATCHED AREA SHALL BE EXCAVATED FOR A DISTANCE OF 20 FT EACH SIDE OF CENTERLINE ROADWAY AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR UNCLASSIFIED STRUCTURE EXCAVATION. SEE SECTION 412 OF THE STANDARD SPECIFICATIONS.

THE EXISTING 2 - 15'-9" SPANS STRUCTURE WITH A CLEAR ROADWAY WIDTH OF 26 FT AND A 2 1/2" ASPHALT WEARING SURFACE ON A TIMBER DECK ON TIMBER BEAMS, WITH A SUBSTRUCTURE CONSISTING OF TIMBER CAPS ON TIMBER POSTS AT ALL THE BENTS AND LOCATED AT THE SITE OF THE PROPOSED STRUCTURE SHALL BE REMOVED. THE EXISTING BRIDGE IS PRESENTLY NOT POSTED FOR LOAD LIMIT. SHOULD THE STRUCTURAL INTEGRITY OF THE BRIDGE DETERIORATE DURING CONSTRUCTION OF THE PROPOSED BRIDGE, A LOAD LIMIT MAY BE POSTED AND MAY BE REDUCED AS FOUND NECESSARY DURING THE LIFE OF THE PROJECT. FOR REMOVAL OF EXISTING STRUCTURE, SEE SPECIAL PROVISIONS.

THE SUBSTRUCTURE OF THE EXISTING BRIDGE INDICATED ON THE PLANS IS FROM THE BEST INFORMATION AVAILABLE. THIS INFORMATION IS SHOWN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL HAVE NO CLAIM WHATSOEVER AGAINST THE DEPARTMENT OF TRANSPORTATION FOR ANY DELAYS OR ADDITIONAL COST INCURRED BASED ON DIFFERENCES BETWEEN THE EXISTING BRIDGE SUBSTRUCTURE SHOWN ON THE PLANS AND THE ACTUAL CONDITIONS AT THE PROJECT SITE.

REMOVAL OF THE EXISTING BRIDGE SHALL BE PERFORMED IN A MANNER THAT PREVENTS DEBRIS FROM FALLING INTO THE WATER. THE CONTRACTOR SHALL SUBMIT DEMOLITION PLANS FOR REVIEW AND REMOVE THE BRIDGE IN ACCORDANCE WITH ARTICLE 402-2 OF THE STANDARD SPECIFICATIONS.

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH "HEC 18-EVALUATING SCOUR AT BRIDGES."

FOR EROSION CONTROL MEASURES, SEE EROSION CONTROL PLANS.

ASPHALT WEARING SURFACE IS INCLUDED IN ROADWAY QUANTITY ON ROADWAY PLANS.

FOR ASBESTOS ASSESSMENT FOR BRIDGE DEMOLITION AND RENOVATION ACTIVITIES, SEE SPECIAL PROVISIONS.

THE PRICE BID FOR PRECAST PIECES EB120, EB130 AND BW150 IS TO INCLUDE THE INDIVIDUAL PIECES "A" AND "B" AS SHOWN ON THE PRECAST PIECE DETAIL SHEETS.

SEE PROJECT SPECIAL PROVISIONS FOR:

- PRECAST PIECE EB110
- PRECAST PIECE EB120
- PRECAST PIECE EB130
- PRECAST PIECE EB140
- PRECAST PIECE BW150

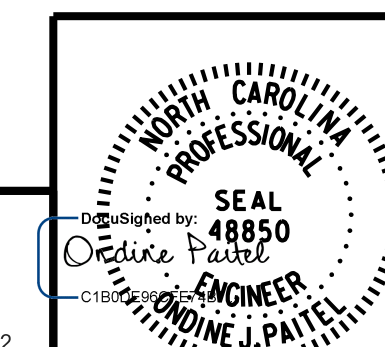
SAMPLE BAR REPLACEMENT LENGTHS BASED ON 30" (SAMPLE LENGTH) PLUS TWO SPLICE LENGTHS AND f = 60 ksi.

| SIZE | LENGTH  |
|------|---------|
| #3   | 6'-2"   |
| #4   | 7'-4"   |
| #5   | 8'-6"   |
| #6   | 9'-8"   |
| #7   | 10'-10" |
| #8   | 12'-0"  |
| #9   | 13'-2"  |
| #10  | 14'-6"  |
| #11  | 15'-10" |

PROJECT NO. **B-6053**  
**PASQUOTANK** COUNTY  
 STATION: **11+99.00 -L-**

SHEET 3 OF 3

STATE OF NORTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 RALEIGH  
**GENERAL DRAWING**  
 LOCATION SKETCH,  
 GENERAL NOTES AND  
 TOTAL BILL OF MATERIALS



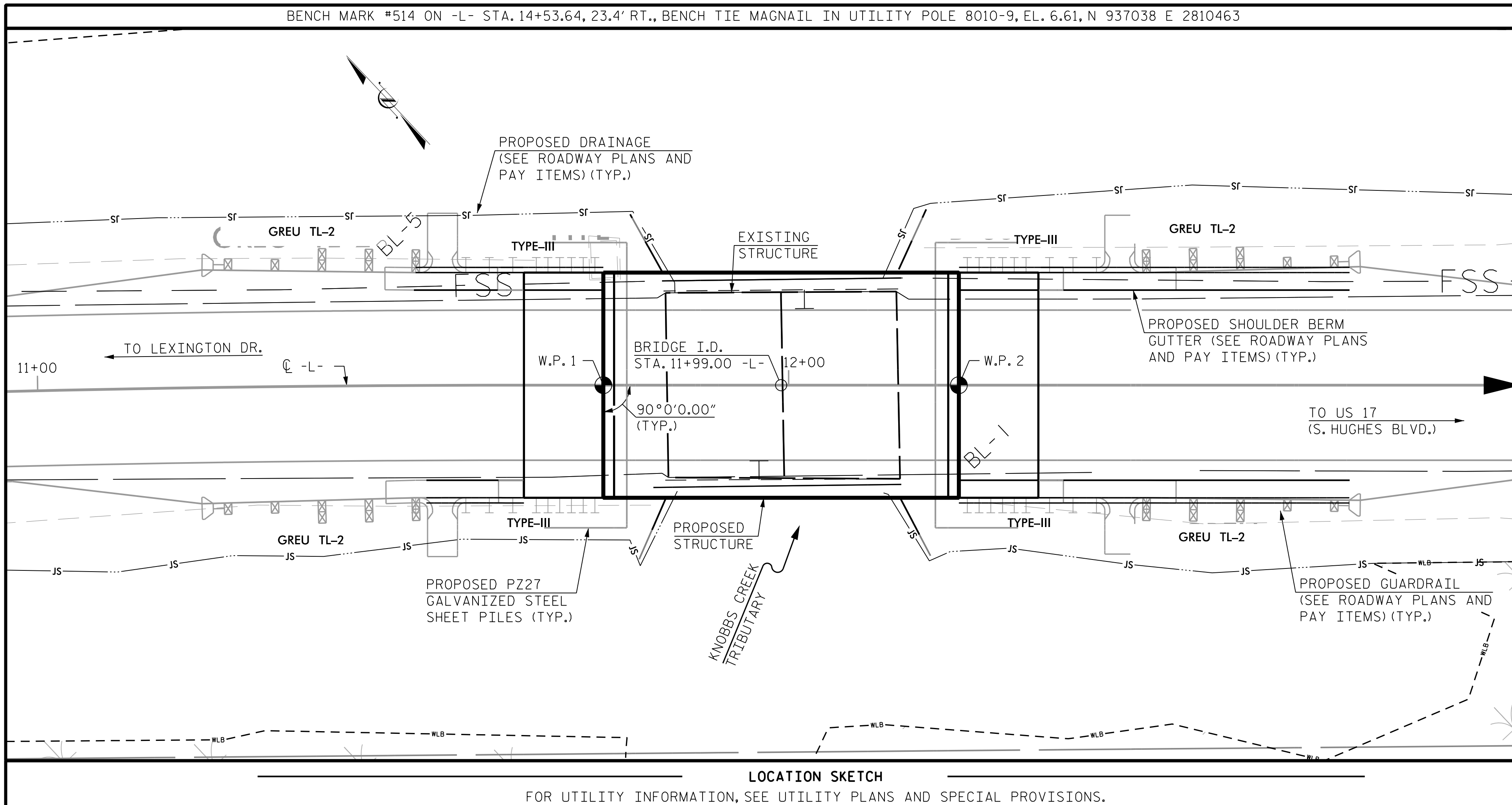
**RK&K**  
 P: (919) 878-9560  
 8601 Six Forks Road, Forum 1 Suite 700  
 Raleigh, North Carolina 27615 | NC License No. F-0112  
 Engineers | Construction Managers | Planners | Scientists  
 www.rkk.com  
 Responsive People | Creative Solutions

**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

| REVISIONS |     |       |     |     |       | SHEET NO.    |
|-----------|-----|-------|-----|-----|-------|--------------|
| NO.       | BY: | DATE: | NO. | BY: | DATE: | S-3          |
| 1         |     |       | 3   |     |       | TOTAL SHEETS |
| 2         |     |       | 4   |     |       | 18           |

**TOTAL BILL OF MATERIAL**

|                | REMOVAL OF EXISTING STRUCTURE AT STATION 11+99.00 -L- | ASBESTOS ASSESSMENT | PDA TESTING | UNCLASSIFIED STRUCTURE EXCAVATION | BRIDGE APPROACH SLAB | HP 12 X 53 STEEL PILES |          | PZ27 GALVANIZED STEEL SHEET PILES |         | PILE REDRIVES | ELASTOMERIC BEARINGS | 3'-0" X 1'-6" PRESTRESSED CONCRETE CORED SLABS |          | 7'-4" PRECAST VERTICAL RAIL SECTION | 10'-0" PRECAST VERTICAL RAIL SECTION | PRECAST PIECE EB110 | PRECAST PIECE EB120 | PRECAST PIECE EB130 | PRECAST PIECE EB140 | PRECAST PIECE BW150 |  |
|----------------|---|---------------------|-------------|-----------------------------------|----------------------|------------------------|----------|-----------------------------------|---------|---------------|----------------------|--|----------|-------------------------------------|--------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--|
|                | LUMP SUM  | LUMP SUM            | EACH        | LUMP SUM                          | LUMP SUM             | NO.                    | LIN. FT. | NO.                               | SO. FT. | EACH          | LUMP SUM             | NO.  | LIN. FT. | EACH                                | EACH                                 | EACH                | EACH                | EACH                | EACH                | EACH                |  |
| SUPERSTRUCTURE |   |                     |             |                                   |                      |                        |          |                                   |         |               | LUMP SUM             | 10   | 446.67   | 4                                   | 6                                    |                     |                     |                     |                     |                     |  |
| END BENT 1     |   |                     |             | LUMP SUM                          |                      | 6                      | 450      | 36                                | 2090    | 3             |                      |  |          |                                     |                                      | 1                   | 2                   | 2                   | 2                   | 2                   |  |
| END BENT 2     |   |                     |             | LUMP SUM                          |                      | 6                      | 450      | 36                                | 2090    | 3             |                      |  |          |                                     |                                      | 1                   | 2                   | 2                   | 2                   | 2                   |  |
| TOTAL          | LUMP SUM  | LUMP SUM            | 1           | LUMP SUM                          | LUMP SUM             | 12                     | 900      | 72                                | 4180    | 6             | LUMP SUM             | 10   | 446.67   | 4                                   | 6                                    | 2                   | 4                   | 4                   | 4                   | 4                   |  |



**LOCATION SKETCH**

FOR UTILITY INFORMATION, SEE UTILITY PLANS AND SPECIAL PROVISIONS.

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DRAWN BY : T. K. BOYD DATE : SEPT 2020  
 CHECKED BY : D. B. PETERSON DATE : SEPT 2020  
 DESIGN ENGINEER OF RECORD : O. J. PAITEL DATE : SEPT 2020