

Shelby County Highway Department

Bid Package of Proposed Project:

SCP 59-992-26

Bridge Painting on CR-43 Over North Fork of Yellowleaf Creek

(BIN 12024)



January 22, 2025

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SHELBY COUNTY
HIGHWAY DEPARTMENT
506 HIGHWAY 70
COLUMBIANA, ALABAMA 35051
(205) 669-3880
www.ShelbyAL.com

December 22, 2025

MEMORANDUM

TO: Prospective Bidders

FROM: Mark Endfinger, P.E.
Chief Engineer

The following shall be made a part of this bid proposal as if it were included in the original proposal.

PRE-BID MEETING

All prospective bidders shall attend a mandatory Pre-Bid meeting scheduled for Wednesday, January 15, 2026 at 10:00 A.M. at the office of the Shelby County Engineer located at 506 Highway 70, Columbiana, AL 35051. Remote attendance via Zoom is permitted. If you would prefer to attend remotely, call the Shelby County Highway Department at (205) 669-3880 or send an email to mendfinger@shelbyal.com prior to 8:00 AM on January 15, 2026 for instructions on how to join.

INSURANCE AND LICENSING REQUIREMENTS

The Shelby County Commission shall not execute this contract until the successful bidder has supplied in a timely manner, as outlined in the attached Contract Specifications:

- A. A Section 84 State/County privilege license and all other required license(s).
- B. Proof of Insurance containing additional coverage for the Shelby County Commission, its successors, or assigns.

IMMIGRATION COMPLIANCE REQUIREMENTS

The successful bidder shall comply with current Shelby County vendor requirements for Immigration Law Compliance. This includes but is not limited to the E-Verify MOU (Memorandum of Understanding). Required documents and further information can be found on the Shelby County website (www.shelbyal.com) by searching "E-Verify Memorandum of Understanding".

Sales Tax Exemption

The purchase of construction materials used on this project pertains to the construction of highways, roads, or bridge projects. Based upon guidance from the Alabama Department of Revenue, the purchase of construction materials for this project are exempt from sales tax and the project should be bid as such. It is the responsibility of the Contractor to comply with all applicable state laws concerning sales tax. It is also the responsibility of the Contractor to prepare and file tax-exempt certifications as required by the Alabama Department of Revenue.

DISQUALIFICATION OF BIDS

Bids may be disqualified before awarding of the Contract for any of the following:

- A. Failure to mark envelope as required;
- B. Failure to sign or notarize the bid document;
- C. Failure to include requested information for other details of the bid; or,
- D. Failure to include bid bond.

METHOD OF AWARD

The award will be made to the lowest responsible bidder meeting specifications. It is not the policy of the Shelby County Commission to purchase on the basis of low bid only. Quality, conformity with specifications, purpose for which required, terms of delivery, and past service and experience are among the factors that may be considered in determining who the responsible bidders are.

The Shelby County Commission reserves the right to award this Contract for each item if in the best interest of the Shelby County Commission. Upon awarding of this Contract and bid, the Shelby County Commission reserves the sole right to end said Contract at its sole discretion.

INSTRUCTIONS TO BIDDERS

The instructions listed on this page are offered as a courtesy to bidders in order to help avoid situations in which proposals may have to be rejected or eliminated from consideration due to common pitfalls and oversights. This page shall not be considered an official part of the proposal or contract documents, and shall have no binding effect upon them. While completion of the following checklist by the contractor is entirely voluntary, the items listed herein are generally required in order for a bid to be considered.

CHECKLIST

- ☐ Submit Proposal on ORIGINAL documents (not copy) provided by the owner.
- ☐ Everything should be filled out in INK or TYPED.
- ☐ Fill in Date and list company name and State Contractor's License number on page 1 of the Proposal.
- ☐ Attach proof of Alabama General Contractor's License.
- ☐ Non-resident (out-of-state) bidders: Attach Certificate of Existence as shown in sub article 102.02(a) of the ALDOT Standard Specifications.
- ☐ Mark appropriate documents on page 3 of the Proposal if intended for use during the project.
- ☐ Sign and notarize page 4 of the Proposal.
- ☐ Enter prices & amounts on the Project Bid Form.
- ☐ Separate dollars & cents with a single decimal.
- ☐ Sign the Project Bid Form.
- ☐ Sign, date, and notarize the Collusion Affidavit.
- ☐ Bid Bond to be signed by the same person signing the Proposal.
- ☐ Bid Bond shall be executed by Surety's Agent.
- ☐ Attach valid Power of Attorney to Bid Bond.
- ☐ Performance Bond shall be executed by Surety's Agent.
- ☐ Labor, Materials, Feed-Stuffs or Supplies Bond to be executed by Surety's Agent.
- ☐ Fill in and sign Certificate of Compliance with the Beason-Hammon Alabama Taxpayer and Citizen Protection Act.
- ☐ Mark envelope "Bid Proposal", along with "Shelby County", Project No., and name of the bidder.
- ☐ Deliver the Bid Package with Bid Bond, and other required attachments, in SEALED envelope.
- ☐ SEALED Bid Packages should be mailed or hand-delivered to the Office of the County Manager, Shelby County, 200 West College Street Columbiana, Alabama 35051 prior to date & time set for opening bids.

NOTICE TO CONTRACTORS
PROJECT NO. SCP 59-992-26
SHELBY COUNTY, ALABAMA

SEALED BIDS WILL BE RECEIVED BY THE SHELBY COUNTY COMMISSION AT THE OFFICE OF THE COUNTY MANAGER, 200 WEST COLLEGE STREET, COLUMBIANA ALABAMA 35051 UNTIL 2:00 P.M., THURSDAY, JANUARY 22, 2026 AND AT THAT TIME PUBLICLY OPENED FOR CONSTRUCTING THE FOLLOWING:

BRIDGE PAINTING ON CR-43 OVER NORTH FORK OF YELLOWLEAF CREEK
(BIN 12024)

THE BRACKET ESTIMATE ON THIS PROJECT IS FROM \$45,000 TO \$60,000. THIS BRACKET RANGE IS SHOWN ONLY TO PROVIDE GENERAL FINANCIAL INFORMATION TO CONTRACTORS AND BONDING COMPANIES CONCERNING THE PROJECT'S COMPLEXITY AND SIZE. THIS BRACKET SHOULD NOT BE USED IN PREPARING A BID, NOR WILL THIS BRACKET HAVE ANY BEARING ON THE DECISION TO AWARD THE CONTRACT. THE PRINCIPAL ITEMS OF WORK ARE APPROXIMATELY AS FOLLOWS:

AN OVERVIEW OF PAY ITEMS INCLUDES:

Coating Existing Bridge
Various Traffic Control Items

THE ENTIRE PROJECT SHALL BE COMPLETED IN **20 WORKING DAYS**.

A MANDATORY PRE-BID MEETING WILL BE HELD AT 10:00 AM ON THURSDAY, JANUARY 15, 2026 AT THE OFFICE OF THE COUNTY ENGINEER, LOCATED AT 506 HIGHWAY 70, COLUMBIANA, ALABAMA 35051. REMOTE ATTENDANCE IS PERMITTED AS NOTED IN THE BID MEMORANDUM OF THE BID PACKAGE. REQUESTS FOR INFORMATION SHALL BE ACCEPTED FROM BIDDERS UNTIL TUESDAY, JANUARY 20, 2026 AT 2:00 P.M. BIDDERS WITH QUESTIONS MAY SUBMIT THEM VIA EMAIL, TELEPHONE, OR IN PERSON AT THE OFFICE OF THE COUNTY ENGINEER. BID DOCUMENTS (INCLUDING PLANS AND PROPOSALS) WILL BE AVAILABLE ON THE SHELBY COUNTY E-BID PORTAL.

A CASHIER'S CHECK (DRAWN ON AN ALABAMA BANK) OR BID BOND FOR 5% OF THE AMOUNT BID (MAXIMUM AMOUNT - \$10,000.00) AND MADE PAYABLE TO THE SHELBY COUNTY COMMISSION MUST ACCOMPANY EACH BID AS EVIDENCE OF GOOD FAITH.

IN ACCORDANCE WITH SECTION 34-8-8 CODE OF ALABAMA AS AMENDED, "ALL OWNERS, ARCHITECTS, AND ENGINEERS RECEIVING BIDS PURSUANT TO THIS CHAPTER SHALL REQUIRE THE PERSON, FIRM OR CORPORATION TO INCLUDE HIS OR HER CURRENT LICENSE NUMBER ON THE BID". IT ALSO STATES THAT "...IT WILL BE NECESSARY FOR HIM OR HER TO SHOW EVIDENCE OF LICENSE BEFORE HIS OR HER BID IS CONSIDERED".

PREQUALIFICATION IS NOT REQUIRED ON THIS PROJECT. FURTHER DETAILS AND DEFINITIONS REGARDING THIS PROVISION ARE INCLUDED IN SECTION 102 OF SPECIAL PROVISION 22-LPA-001 AND ALDOT'S STANDARD SPECIFICATIONS.

PROOF OF INSURANCE COVERAGES OF THE TYPES AND AMOUNTS AS SET FORTH IN THE PROJECT SPECIFICATIONS WILL BE REQUIRED OF THE CONTRACTOR, AND ANY AND ALL SUBCONTRACTORS, PRIOR TO BEGINNING WORK. THE CONTRACTOR WILL BE REQUIRED TO PERFORM WORK AMOUNTING TO AT LEAST 30% OF THE TOTAL CONTRACT COST WITH HIS OWN ORGANIZATION.

THIS IS A COUNTY-FUNDED PROJECT. THE PROPOSED WORK SHALL BE PERFORMED IN CONFORMITY WITH ALL APPLICABLE LAWS, RULES, AND REGULATIONS.

THE RIGHT TO REJECT ANY OR ALL BIDS IS RESERVED.

PROPOSAL
TO PERFORM THE BRIDGE PAINTING ON CR-43 OVER NORTH
FORK OF YELLOWLEAF CREEK (BIN 12024)
CHELSEA, ALABAMA
PROJECT NUMBER SCP 59-992-26

DATE _____

PROPOSAL OF

LICENSE
NUMBER _____ OF _____

For Bridge Painting, County of Shelby, State of Alabama: County Road 43 Bridge over North Fork of Yellowleaf Creek, in Chelsea, Alabama.

The plans are composed of drawings identified as follows:

SHELBY COUNTY PROJECT NO. SCP 59-992-26

The specifications are hereto attached.

TO THE SHELBY COUNTY ENGINEER:

SIR: The following proposal is made on behalf of the undersigned and on others. Evidence of authority to submit the proposal is herewith furnished.

The undersigned has carefully examined the plans for this project, the State of Alabama highway Department Standard Specifications, 2022 Edition, including the special provisions hereto attached, and has also personally examined the work site. On the basis of the specifications and plans, the undersigned proposes to furnish all necessary machinery, tools, apparatus and other means of construction, and do all the work and furnish all material in the manner specified.

The undersigned further agrees to complete the entire project in 20 working days. Geometric Controls are not required.

The undersigned understands that the quantities below are approximate only and are subject to either increase or decrease and hereby proposes to perform any increased or decreased quantities of work in accordance with said Specifications. The undersigned further understands and specifically agrees that in making this proposal, in case of error in the extension of prices in the bid, the unit price will govern.

CONTRACTOR'S CERTIFICATION

The Contractor proposes to perform all "Force Account or Extra Work" that may be required on the basis provided in the Specification hereto attached, and to give such work personal attention in order to see that it is economically performed.

The contractor further proposes to execute the Contract Agreement in a form to be attached as soon as the work is awarded to the Contractor and to begin and complete the work within the respective time limit provided for in the Specifications hereto attached.

The Contractor also proposes to furnish a Performance Bond, acceptable to the County, in an amount equal to the total amount of the Contract. This bond shall serve not only to guarantee the completion of the work but also guarantee the excellence of both workmanship and materials until the work is finally accepted.

The Contractor encloses a certified check or bid bond for 5 percent (5%) of the amount bid (Maximum amount - \$10,000.00). The contractor hereby agrees that in case of failure to execute a Contract and furnish performance bonds within ten (10) days after notice of award, the awarding authority shall retain from the proposal guaranty, if a certified check, or recover from the principal and/ or the sureties, if the guaranty is a bid bond, the difference between the amount of the Contract as awarded and the amount of the proposal of the next lowest acceptable bidder. If no other bids are received, the full amount of the proposal guaranty shall be so retained and / or recovered as Liquidated Damages for such default. It is understood that in case the work is not awarded to the Contractor, the proposal guaranty, if a certified check, will be returned as provided in the State of Alabama Highway Department Standard Specification, 2022 Edition.

COLLUSION

It is further certified that neither the person, firm, partnership or corporation submitting this bid, nor any of their officers, have directly or indirectly entered into any agreement, participated in any collusion or otherwise taken any action in restraint of free competitive bidding in connection with this contract.

BEST MANAGEMENT PRACTICES PLAN

When a BMP is not required on a project, the following certification shall not apply. When a BMP is required, it will be covered by a Special Provision or Supplemental Specification and included in the proposal, and the following certification shall apply and the contractor shall mark any documents he proposes to use other than #1 and #2:

I certify that I am aware of the Best Management Practices for the prevention and minimization of nonpoint sources of pollution in storm water runoff contained and described in documents #1 and #2, and other documents as marked below. I certify that all appropriate pollution abatement / prevention facilities, and structural and nonstructural BMPs, as described in these documents, or

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Shelby County, Alabama

Department approved equivalent BMPs will be implemented and maintained as needed at the facility in accordance with good engineering practices and ADEM regulations under the guidance of a qualified pollution prevention / control professional. I understand that full implementation and regular maintenance of the BMPs will be requirements for coverage under the general permit. I am aware there are significant penalties for submitting false information, including possible fines and imprisonment for knowing violations. I understand that, at the signing of the bid proposal, I become a co-permittee with the Department if awarded the Contract.

1. Alabama Nonpoint Source Management Program Document, as amended, prepared by ADEM, Water Division - Mining and Nonpoint Source Section, in accordance with Section 319 of the Federal Clean Water Act, as amended.
2. EPA Stormwater Pollution Prevention For Construction Activities, Office of Wastewater Enforcement and Compliance, U.S. Environmental Protection Agency, Washington, D.C. 20460, as amended.

___ Best Management Practices Plan - Magnolia Pipeline, Basin Pipeline Corporation, 2101 Sixth Avenue North, Birmingham, AL 35203.

___ Best Management Practices For Nonpoint Source Runoff Control, Mobile & Baldwin Counties, Alabama, South Alabama Regional Planning commission, January 1989.

___ Best management Practices for Controlling Sediment and Erosion from Construction Activities, Birmingham Regional Planning Commission, August 1980.

___ Best management Practices For Agricultural Nonpoint Source Control, Volume III- Sediment, North Carolina Agricultural Extension Service, Biological and Agricultural Engineering Department, North Carolina State University, August 1982.

I further certify that I am the proper authorized individual or corporate official, as applicable, to make this certification that the above is true and correct and that I am the same person executing the Bid Bond on the following pages; and that I recognize, by signing this certification, I am also signing the contract proposal on behalf of the contractor in whose name the proposal is made, whether individual, partnership or corporation as might be applicable.

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NOTE: PROVIDED THE BID BOND ON THE FOLLOWING PAGES IS PROPERLY EXECUTED IN THE CONTRACTOR'S NAME, SIGNED BY THE PROPER OFFICER OF THE CONTRACTOR CORPORATION (OR INDIVIDUAL OR PARTNER, WHEN NOT A CORPORATION), THE PERSON EXECUTING THE BID BOND MAY MAKE THE FOREGOING CERTIFICATIONS BY SIGNING BEFORE A NOTARY PUBLIC AFTER BEING SWORN. THE CERTIFICATIONS MUST BE PROPERLY SWORN TO, SIGNED AND NOTARIZED BELOW.

Signature of Contractor: If a contractor is **INDIVIDUAL**, signature of individual is required; If contractor is a **CORPORATION**, signature of proper corporate officer is required; if contractor is a **PARTNERSHIP**, signature of a partner is required; if contractor is **JOINT VENTURE**, appropriate signatures of all contractors are required.

Legal Name of Contractor:

(Partnership, Joint Venture, Corporation or Individual)

By: _____
(Signature of Officer or Individual, as applicable, as signing Bid Bond)

By: _____
IF JOINT VENTURE (Signature of Officers or Individual, as applicable, as signing Bid Bond)

The foregoing certifications are sworn to and subscribed before me on this _____ day of _____, 2025

NOTARY PUBLIC

PROPOSAL WILL NOT BE ACCEPTED UNLESS THIS FORM IS USED AND SIGNED. FAILURE TO SUBMIT THIS SWORN STATEMENT AS PART OF THE BID PACKAGE WILL BE CONSIDERED A NON-RESPONSIVE BID.

PROJECT NOTES

1. The successful bidder, upon notification by the County, shall have ten (10) days to execute a contract pertaining to the scope of work as identified within this bid proposal package. Failure to do so shall result in forfeiture of the bidder's bond subject to stipulations as provided herein.
2. After the contract is signed and executed by both parties, the county Highway Department shall issue a "Notice to Proceed" to the successful bidder. Upon failure of the Contractor to complete the contract within **20 working days**, the Contractor shall be assessed liquidated damages per ALDOT Standard Specifications for Highway Construction Section 108.11 for Working Day Contracts. A monthly time statement will not be provided. If for any reason the contractor feels that they have been delayed by any actions on the County's part, or for something he or she feels is beyond their control, the contractor shall, within fifteen days of said delay, provide the County in writing of a request to extend time.
3. The contractor shall use any means necessary as required by his Best Management Practices plan or as specified by the engineer. Pay items for this will be added if they become necessary during construction.
4. **IT SHALL BE MANDATORY THAT ALL PROSPECTIVE BIDDERS ATTEND THE PRE-BID MEETING SCHEDULED FOR THURSDAY, JANUARY 15TH, 2026 AT 10:00 A.M. AT THE OFFICE OF THE COUNTY ENGINEER. REMOTE ATTENDANCE IS ALLOWED AS NOTED IN THE BID MEMORANDUM.**
5. Shelby County reserves the right to further restrict working hours on a specific item at the sole discretion of the County Engineer.
6. Shelby County Reserves the right, in its sole discretion, to waive compliance with any nonmaterial bid specification which it deems to be of no material consequence to the project.
7. Shelby County personnel shall be notified a minimum of 48 hours in advance of any major work done within Shelby County right-of-way along CR-43.
8. There is a possibility of existing buried utilities within the area designated for the installation of traffic control devices. It shall be the sole responsibility of the contractor to contact Alabama 811 and submit the appropriate locate tickets prior to beginning any excavation or installation activities. Any damage to utilities incurred during construction, due to negligence or failure to obtain proper utility locates, shall be the responsibility of the contractor. All costs associated with repairs, delays, or disruptions resulting from such damage shall be borne entirely by the contractor.
9. During construction, all signs/traffic control devices that are not applicable shall be covered to not confuse motorists and pedestrians.
10. The contractor must select a system No. 1E (3-Part) coating from ALDOT Qualified Materials List III-1. The contractor shall notify Shelby County of which product will be utilized for coating prior to beginning work.
11. All cleaning and removal of debris/vegetation required to prepare the surface per the manufacturer's/ALDOT's recommendations are a subsidiary obligation of pay item 521B-000.
12. The contractor must notify the Shelby County Highway Department 1 week before any work is to be performed on a Shelby County Holiday. Shelby County Holidays are as follows:

Juneteenth – 6/19/2026

4th of July – 7/4/2026

Labor Day – 9/7/2025

Veterans Day – 11/11/2026

Thanksgiving Holidays – 11/26/2026 – 11/27/2026

Christmas Holidays – 12/24/2026 – 1/1/2027

Shelby County Highway Department Project Bid Form

Project: SCP 59-992-26

Revised 5/7/2024

Bridge Painting on CR-43 over North Fork of Yellowleaf Creek

Contractor: _____

Item Number	Description	Unit	Est. Quantity	Unit Price	Extended
521B-000	COATING EXISTING BRIDGE AT STATION 23+31.14582 (APPROXIMATELY 6,700 SF)	LUMP SUM	1		
740B-000	CONSTRUCTION SIGNS	SQFT	78.5		
740E-000	CONES (36" HIGH)	EA	30		
740F-002	BARRICADES, TYPE III	EA	2		

TOTAL: _____

Project No.: SCP 59-992-26

City/County: Shelby

Proposal No.: _____

Letting Date: 1/22/2026

The undersigned hereby states that this Bid Proposal is to the best of their knowledge, their true and correct bid, except for changes initiated herein, and is submitting these bid sheets for review and consideration.

Contractor's Signature
(Authorized Company Representative)

Date

Other Contractor(s) Signature (if joint venture)
(Authorized Company Representative)

Date

COLLUSION AFFIDAVIT

STATE OF ALABAMA

COUNTY OF SHELBY

PROJECT NO. SCP 59-992-26

LETTING DATE: 01/22/2026

I certify that _____ (Name of Contracting Firm) has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the Contract.

Signed: _____
(Name of Contracting Firm)

By: _____

Sworn to and subscribed before me this _____ day of _____, 2026.

Notary Public

(Note: Proposals will not be accepted unless this form of certificate is used. This certificate must be submitted in duplicate and two original copies are included for your convenience. Please leave attached in your bidding form.)

Failure to execute this Affidavit shall be cause for rejection of this Bid.

COLLUSION AFFIDAVIT

STATE OF ALABAMA

COUNTY OF SHELBY

PROJECT NO. SCP 59-992-26

LETTING DATE: 01/22/2026

I certify that _____ (Name of Contracting Firm) has not, either directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the Contract.

Signed: _____
(Name of Contracting Firm)

By: _____

Sworn to and subscribed before me this _____ day of _____, 2026.

Notary Public

(Note: Proposals will not be accepted unless this form of certificate is used. This certificate must be submitted in duplicate and two original copies are included for your convenience. Please leave attached in your bidding form.)

Failure to execute this Affidavit shall be cause for rejection of this Bid.

NOTE: PROPOSAL WILL NOT BE ACCEPTED, AND BIDS WILL NOT BE CONSIDERED UNLESS THIS FORM FOR BID BOND IS USED AND SIGNED BY PRINCIPAL AND SURETY, OR UNLESS A CASHIER'S CHECK (DRAWN ON AN ALABAMA BANK) IN THE PROPER AMOUNT IS FURNISHED.

**FORM OF
BID BOND**

Revised 5/2016

KNOW ALL MEN BY THESE PRESENTS:

That the contractor, as **Principal**, and _____ (Name of

_____, as **Surety**, are held and firmly
Surety)

bound unto

THE COUNTY OF *SHELBY*

as **Obligee** in the full and just sum of five percent (5%) of amount bid (Maximum amount - \$10,000.00), lawful money of the United States, for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said **Principal** is herewith submitting its proposal for Project Number **SCP 59-992-26**, located in the County of Shelby, State of Alabama.

The condition of this obligation is such that:

If the aforesaid **Principal** shall be awarded the contract and said **Principal** will, within the time required, enter into a formal contract and give a good and sufficient bond to secure the performance of the terms and conditions of the contract, then this obligation will be void; otherwise, the **Principal** and the **Surety** will pay unto the **Obligee** the difference in money between the amount of the contract as awarded and the amount of the proposal of the next lowest acceptable bidder, but not to exceed the total amount of the proposal guaranty. If no other bids are received, the full amount of the proposal guaranty shall be retained and/or recovered as liquidated damages for such default.

Witness our hands and seals this _____ day of _____, 20____.
(Day) (Month) (Year)

SIGNATURE OF INDIVIDUAL BIDDER: (USE ONLY WHERE BIDDER IS AN INDIVIDUAL)

_____, Doing Business As, _____
(Name of Individual) (Business Name)
Business Mailing Address: _____
(Mailing Address)

NAME OF CORPORATION, PARTNERSHIP, OR JOINT VENTURE:

(Name of Partnership, Joint Venture or Corporation*) - (If Two Corporations**)

Business Mailing
Address: _____ BY: _____ (L.S.)

(Address) (Signature and Position or Title of Officer
Authorized to Sign Bids and Contracts for the Firm)

Business Mailing
Address: _____ BY: _____ (L.S.)

(Address) (Signature and Position or Title of Officer
Authorized to Sign Bids and Contracts for the Firm)

Business Mailing
Address: _____ BY: _____ (L.S.)

(Address) (Signature and Position or Title of Officer
Authorized to Sign Bids and Contracts for the Firm)

*(Corporate Seal)
Attest: Name of State under the laws of which
The Corporation was chartered:

(Secretary) (State)

**(Corporate Seal)
Attest: Name of State under the laws of which
The Corporation was chartered:

(Secretary) (State)

SURETY: _____
(Name of Surety)

BY (AGENT): _____
(Attorney in Fact)

AGENT'S ADDRESS: _____

(Mailing Address)

NOTICE: VALID POWER OF ATTORNEY
MUST BE ATTACHED.

PLEASE LEAVE ATTACHED IN YOUR BIDDING FORM

BOND

FOR PERFORMANCE OF THE WORK

STATE OF ALABAMA,
SHELBY COUNTY.

KNOW ALL MEN BY THESE PRESENTS: That _____, as Principal,
and, _____, as Surety, are held and firmly bound unto the _____
_____, ALABAMA, as Oblige, in the penal sum of _____
Dollars
(\$ _____), for the payment of which well and truly to be made, we hereby bind ourselves,
our heirs, executors, administrators, successors and assigns.

PROVIDED, HOWEVER, that the condition of this obligation is such that whereas the above
bound Principal has this day entered into a Contract with the said Oblige, for the construction of
Bridge Painting on CR-43 over North Fork of Yellowleaf Creek (BIN 12024)
in the City of Chelsea, Shelby County, Alabama, to-wit: known as Project
No. SCP 59-992-26 a copy of which said Contract is hereto attached.

NOW, THEREFORE, In the event the said Principal as such Contractor shall faithfully and
promptly perform said Contract and all the conditions and requirements thereof, then this
obligation shall be null and void and of no effect, otherwise to remain and be in full force and
effect.

PROVIDED, further, that upon the failure, in any respect, of the said Principal to promptly
and efficiently prosecute said work in accordance with the Contract, the above bound Surety
shall, at its own expense, take charge of said work and complete the Contract, pursuant to the
terms of the Contract, receiving, however, any balance of the funds in the hands of said Oblige
due under said Contract. Said Surety may, if it so elects, by written direction given to the Oblige
authorize the Oblige to advertise for bids to complete the said Contract at the expense of said
Surety, and such Surety hereby agrees and binds itself to pay the expense of the completion of
such work, less any funds in the hands of the Oblige remaining, under said Contract, to be due
to said Principal.

In the event said Principal shall fail or delay the prosecution and completion of said work
and said Surety shall also fail to act promptly as hereinbefore provided, then said Oblige may
cause ten days notice of such failure to be given, either to said Principal or Surety, and at the
expiration of said ten days, if said Principal or Surety do not proceed promptly to execute said
contract, the Oblige shall have the authority to cause said work to be done, and when the same
is completed and the cost thereof estimated, the said Principal and Surety shall and hereby agree
to pay any excess in the cost of said work above the agreed price to be paid under said Contract.

Upon the completion of said Contract pursuant to its terms, if any funds remain due on said Contract, the same shall be paid to said Principal or Surety.

The said Principal and Surety further agree as part of this obligation to pay all such damages of any kind to person or property that may result from a failure in any respect to perform and complete said Contract.

The decision of said Obligee's designated representative upon any question connected with the execution of said Contract, or any failure or delay in the prosecution of the work by said Principal or Surety, shall be final and conclusive.

The Proposal, Specifications and the Contract hereinbefore referred to, and the Bond for the Payment of Labor, Materials, Feed-stuffs or Supplies executed under the provisions of Section 39-1-1, Code of Alabama 1975, as amended, are made a part of this obligation, and this instrument is to be construed in connection therewith.

IN WITNESS WHEREOF, we have hereunto set our hands and seals, this the _____ day of _____, 20____, pursuant to the authority of the governing body of each of our respective parties.

NAME OF CONTRACTOR: _____
(Individual, Partnership, Corporation, or Joint Venture)

By: (X) _____ Contractor's Signature _____ Title/Address	(X) _____ Witness's Signature _____ Title
---	--

By: (X) _____ Contractor's Signature _____ Title/Address	(X) _____ Witness's Signature _____ Title
---	--

By: (X) _____ Contractor's Signature _____ Title/Address	(X) _____ Witness's Signature _____ Title
---	--

NAME OF SURETY

BY: _____

ATTORNEY-IN-FACT
Countersigned by Alabama Licensed Insurance
Producer for Surety, if applicable:

Producer's Name License No.

Address

NOTICE TO INSURANCE PRODUCER:

Please print or write legibly your name and complete address below including PRODUCER'S COMPANY

PRODUCER'S COMPANY

BOND
FOR PAYMENT OF
LABOR, MATERIALS, FEED-STUFFS OR SUPPLIES

STATE OF ALABAMA,
SHELBY COUNTY.

KNOW ALL MEN BY THESE PRESENTS: That _____, as Principal,
and, _____, as Surety, are held and firmly bound unto the
_____, ALABAMA, as Obligee, in the penal sum of
_____ Dollars
(\$_____), for the payment of which well and truly to be made, we hereby bind
ourselves, our heirs, executors, administrators, successors and assigns.

PROVIDED, HOWEVER, that the condition of this obligation is such that whereas the above
bound Principal has this day entered into a Contract with the said Obligee, for the construction of
Bridge Painting on CR-43 over North Fork of Yellowleaf Creek (BIN 12024)
in the City of Chelsea, Shelby County, Alabama, to-wit: known as Project No.
SCP 59-992-26 a copy of which said Contract is hereto attached.

NOW, THEREFORE, In the event the said Principal as such Contractor shall promptly make
payment to all persons supplying him with labor, material, feed-stuffs, or supplies for or in the
prosecution of the work provided for in said Contract, then this obligation shall be null and void
and of no effect, otherwise to remain and be in full force and effect.

PROVIDED, further, in the event that the said Principal as such Contractor shall fail
to make prompt payment to all persons supplying him with labor, material, feed-stuffs, or
supplies for or in the prosecution of the work provided for in such Contract, the above bound
Surety shall be liable for the payment of such labor, material, feed-stuffs, or supplies and for
the payment of reasonable attorney's fees incurred by successful claimants or plaintiffs in suits
on said bond as provided in Section 39-1-1, Code of Alabama 1975, as amended.

PROVIDED, further, that said Contractor and Surety hereby agree and bind themselves to
the mode of service described in Section 39-1-1, Code of Alabama 1975, as amended, and consent
that such service shall be the same as personal service on said Contractor or Surety.

Upon the completion of said Contract pursuant to its terms, if any funds remain due on
said Contract, the same shall be paid to said Principal or Surety.

The decision of said Obligee's designated representative upon any question connected with the execution of said Contract, or any failure or delay in the prosecution of the work by said Principal or Surety, shall be final and conclusive.

The Proposal, Specifications and the Contract hereinbefore referred to, and the Bond for the Performance Of The Work executed under the provisions of Section 39-1-1, Code of Alabama 1975, as amended, are made a part of this obligation, and this instrument is to be construed in connection therewith.

IN WITNESS WHEREOF, we have hereunto set our hands and seals, this the _____ day of _____, 20_____, pursuant to the authority of the governing body of each of our respective parties.

NAME OF CONTRACTOR: _____
(Individual, Partnership, Corporation, or Joint Venture)

By: (X) _____ Contractor's Signature _____ Title/Address	(X) _____ Witness's Signature _____ Title
By: (X) _____ Contractor's Signature _____ Title/Address	(X) _____ Witness's Signature _____ Title
By: (X) _____ Contractor's Signature _____ Title/Address	(X) _____ Witness's Signature _____ Title

NAME OF SURETY

BY: _____
ATTORNEY-IN-FACT Countersigned
by Alabama Licensed Insurance Producer for
Surety, if applicable:

Producer's Name License No.

Address

NOTICE TO INSURANCE PRODUCER:
Please print or write legibly your name and
complete address below including
PRODUCER'S COMPANY

PRODUCER'S COMPANY

State of Alabama)

County of Shelby)

CERTIFICATE OF COMPLIANCE WITH THE BEASON-HAMMON ALABAMA TAXPAYER AND
CITIZEN PROTECTION ACT (ACT 2011-535, as amended by Act 2012-491)

DATE: _____

RE: Contract/Grant/Incentive (*describe by number as subject*):

SCP 59-992-26

by and between

(Contractor/Grantee) and

Shelby County Commission

(State Agency, Department or Public Entity)

The undersigned hereby certifies to the State of Alabama as follows:

1. The undersigned holds the position of _____ with the Contractor/Grantee named above, and is authorized to provide representations set out in this Certificate as the official and binding act of that entity, and has knowledge of the provisions of THE BEASON-HAMMON ALABAMA TAXPAYER AND CITIZEN PROTECTION ACT (ACT 2011-535 of the Alabama Legislature, as amended by Act 2012-491) which is described herein as “the Act”.
2. Using the following definitions from Section 3 of the Act, select and initial either (a) or (b), below, to describe the Contractor/Grantee’s business structure.

BUSINESS ENTITY. Any person or group of persons employing one or more persons performing or engaging in any activity, enterprise, profession, or occupation for gain, benefit, advantage, or livelihood, whether for profit or not for profit. “Business entity” shall include, but not limited to the following:

- a. Self-employed individuals, business entities filing articles of incorporation, partnerships, limited partnerships, limited liability companies, foreign corporations, foreign limited partnerships, foreign limited liability companies authorized to transact business in this state, business trusts, and any business entity that registers with the Secretary of State.
- b. Any business entity that possesses a business license, permit, certificate, approval, registration, charter, or similar form of authorization issued by the state, any business entity that is exempt by law from obtaining such a business license, and any business entity that is operating unlawfully without a business license.

EMPLOYER. Any person, firm, corporation, partnership, joint stock association, agent, manager, representative, foreman, or other person having control or custody of any employment, place of employment, or of any employee, including any person or entity employing any person for hire within the State of Alabama, including a public employer. This term shall not include the occupant of a household contracting with another person to perform casual domestic labor within the household.

☐ (a) The Contractor/Grantee is a business entity or employer as those terms are defined in Section 3 of the Act.

☐ (b) The Contractor/Grantee is not a business entity or employer as those terms are defined in Section 3 of the Act.

3. As of the date of this Certificate, Contractor/Grantee does not knowingly employ an unauthorized alien within the State of Alabama and hereafter it will not knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama;
4. Contractor/Grantee is enrolled in E-verify unless it is not eligible to enroll because of the rules of that program or other factors beyond its control.

Certified this _____ day of _____ 20 _____.

Name of Contractor/Grantee/Recipient

By: _____

Its _____

The above Certification was signed in my presence by the person whose name appears above, on

this _____ day of _____ 20 _____.

WITNESS: _____

Printed Name of Witness

520.05 Basis of Payment.**(a) Unit Price Coverage.**

1. Item 520-A.

Payment for repairs to existing bridge shall be made at the contract bid price (lump sum) which shall be payment in full for all material, equipment, tools, labor, falsework, struts, support, and incidentals necessary to complete the work required by this Section and detailed in the plans.

2. Items 520-B AND 520-C.

Payment will be made at the respective contract lump sum prices for items of raising existing bridges or portions of existing bridge at designated stations listed in the contract. The lump sum price shall be payment in full for the furnishing of all equipment, tools, labor, falsework and/or cribbing, storage area, and incidentals necessary to complete the work including the removal and satisfactory disposal of falsework and/or cribbing.

(b) Payment will be made under Item No.:

520-A Repairs to Existing Bridge, Station _____ - per lump sum

520-B Raising Existing Bridge, Station _____ - per lump sum

520-C Raising Portion of Existing Bridge, Station _____ - per lump sum

SECTION 521 STEEL BRIDGE COATING

521.01 Description.

This Section shall cover the work of applying coatings to steel for new construction and to existing bridges in the field for the protection of structural steel portions of bridges.

Special requirements are given for the removal of coatings on existing bridges and for the disposal of the removed coating material.

The requirements for coating are applicable regardless of whether or not payment for the coating is included in the payment for the steel (usually new construction) or is a separate payment for the field application of the coating on an existing bridge.

521.02 Materials.

Coating materials shall conform to the requirements given in Section 855, "Coatings, Paints, Enamels, and Varnishes for Metal and Wood Structures". Requirements for coating are also given in Section 836, "Structural Steel, Fasteners and Miscellaneous Metals".

There are three basic types of coating systems. These systems are:

- System 1, zinc primer with various types (acrylic, epoxy, urethane) of intermediate and top coats;
- System 2, acrylic primer, intermediate and top coats;
- System 3, epoxy mastic.

The required dry film thickness and the required color of each coat are given in Article 855.05.

521.03 Selection of Coating System.

The type of required coating system will be shown on the plans or designated elsewhere in the contract. The coating system proposed for application shall be selected from the list of approved coating components if a proprietary coating system is not shown on the plans.

The Contractor shall submit a written notification of the following:

- the name and address of the supplier of the coating system;
- the product names of each coat proposed for application;
- the supplier number from the list of approved coating systems.

If the coating is proposed for application on existing structures the Contractor shall give this written notification to the Project Manager at least 14 calendar days prior to the beginning of the application of the coating.

If the coating system is proposed for new construction the Contractor shall give this written notice to the Project Manager and forward a copy of the notification to the Bridge Engineer prior to, or with the first submittal of the structural steel shop drawings.

521.04 Blast Cleaning, Mechanical Cleaning and Surface Roughness.

(a) Potential Hazardous Waste from Cleaning Existing Steel Surfaces.

Historically the results of testing performed on existing coatings shows that there is a strong likelihood that the blast waste will be hazardous due to the presence of the heavy metals lead and/or chromium. Existing coatings may be tested, prior to bidding, for potential hazardous materials. The results of this testing, should it be performed, will be provided to potential bidders by plan notes or other supplementary documentation that will be included in the bidding proposal. All cleaning waste (blast waste, mechanical cleaning waste, etc.) shall be handled as hazardous waste until appropriate testing (Toxicity Characteristic Leaching Procedure TCLP, EPA Test Method 1311 test given in the EPA manual SW-846) has been conducted and a determination has been made to the contrary.

The Contractor shall be fully responsible for all expenses that may be due to the handling and disposal of hazardous waste that is generated from cleaning existing steel bridge surfaces.

(b) Blast Cleaning Surface Preparation for Coating Systems 1 and 2.

Unless noted otherwise on the plans, the surfaces that are to be coated with Coating System 1 shall be blast cleaned to conform to the requirements given in Steel Structures Painting Council Specification SSPC-SP 10 "Near-White Blast Cleaning".

Unless noted otherwise on the plans, the surfaces that are to be coated with coating system System 2 shall be blast cleaned to conform to the requirements given in Steel Structures Painting Council Specification SSPC-SP 6 "Commercial Blast Cleaning".

(c) Mechanical Cleaning Surface Preparation for Coating System 3.

Unless noted otherwise on the plans, the surfaces that are to be recoated with Coating System 3 shall be prepared by SSPC-SP 2 "Hand Tool Cleaning" or SSPC-SP 3 "Power Tool Cleaning", SSPC-SP 12 "Surface Preparation by High- and Ultrahigh-Pressure Water Jetting", or other means to remove loose paint and loose rust prior to recoating.

(d) Required Surface Roughness after Blast Cleaning.

After blast cleaning, the anchor pattern shall be from 25 μm to 75 μm deep in a dense and uniform pattern of depressions and ridges, as determined by use of a press-o-film type tape and a spring micrometer or equal as approved by the Department, for all coating systems. The press-o-film type tape and a spring micrometer shall be provided by the Contractor.

521.05 Containment System for Removal of Coating from Existing Bridge.

The preparation (blasting and final cleaning) of surfaces for the application of System 1 and System 2 coatings on an existing bridge shall be done in a containment system, unless designated otherwise on the plans. The preparation of surfaces for the application of System 3 coatings will not require a containment system unless designated otherwise on the plans.

The containment system shall consist of vertical (and horizontal if necessary) screening with a collection/recovery area in position at all times that coating removal work is in progress. Screening material shall consist of approved material suitably stiffened by bracing to form an assembly with sufficient strength to withstand winds and adverse weather conditions normally encountered during the season in which the work is performed. The screening shall extend the full vertical distance between bridge steel and collection area. The containment system shall not cause a hazard to the traveling public.

The containment system shall be designed to have air-moving equipment capable of:

- maintaining OSHA acceptable airborne concentrations of hazardous material;
- providing adequate worker visibility;
- preventing any spent material or dust from leaving the enclosure and;
- collecting the material for disposal.

Air quality will be visually monitored by the Engineer. Any dust outside the containment structure shall be justification for suspension of the work.

521.06 Collection and Disposal of Coating Material Waste from Existing Bridge.

Coating material and other debris removed from an existing bridge shall be collected by the Contractor in the containment system. This material shall be stored in approved containers for subsequent transportation to an approved disposal site. The Contractor shall store and dispose of contaminated debris in accordance with the requirements of the ADEM. Any testing required by the ADEM to be performed on the collected waste shall be the responsibility of the Contractor.

The Contractor shall collect representative samples of the waste, as generated, in a storage vessel. A composite sample shall be collected for each 20 cubic yards {15 m³} generated per bridge site. Adjacent

dual bridges will be considered as one site, unless noted otherwise on the plans. A composite sample shall be made by taking several small samples from random locations in the collected waste. The Contractor shall have the sample tested for hazardous materials using the Toxic Constituents Leaching Procedure (TCLP) as specified in EPA manual SW-846. Test results shall be submitted to the Engineer within 7 days from the date that the results are received by the Contractor.

Waste which exceeds any regulatory threshold for a characteristic waste shall be handled as a hazardous waste. The Contractor shall be responsible for complying with all hazardous waste rules and regulations of the EPA and the ADEM including, but not limited to, such things as generator I.D. numbers, labeling, manifesting, etc. The waste shall not be stored for over 90 days. It must be transported only by a permitted transporter, and must be disposed of in an authorized hazardous waste facility. No treatment shall be conducted at the coating removal site. Any land ban certifications shall be the responsibility of the Contractor. The Contractor, acting on behalf of the Department, is the generator of the waste and shall sign any manifest or similar documents as such. The Contractor shall secure the approval of the Engineer for the transporter and the disposal facility at least five days prior to initiation of a shipment of waste. All personnel involved in the waste generation or handling shall be trained in accordance with EPA/OSHA directives. The Contractor shall reimburse the Department for all costs that may be incurred by the Department due to the failure of the Contractor in complying with all regulatory requirements for the containment, collection, storage and disposal of the blast waste.

Waste which does not exceed the regulatory threshold for a characteristic waste shall be handled as an industrial solid waste. It shall be stored in accordance with the ADEM (Land Division-Solid Waste Branch) directives. Disposal shall be in accordance with the ADEM guidelines at an ADEM approved facility. The Contractor shall secure, in writing, the ADEM authorization for said disposal. The Engineer shall be given a copy of the authorization upon receipt by the Contractor.

If contaminated material is transported to or through another state, work performed in that state shall be in conformance with any applicable regulatory agencies in the state involved.

Copies of all required regulatory documentation, including ADEM Form 8700-12, shall be delivered to the Engineer at the time that they are submitted to the regulatory agencies. The work will not be accepted until all required notifications and permit terminations have been completed and copies of the Receipt of Termination for all permits, including the ADEM Form 8700-12, provided to the Engineer.

521.07 Surface Preparation Plan Submittal for the Removal of Existing Coatings.

Prior to beginning the work of removing coatings from existing bridges, the Contractor shall submit a Surface Preparation Plan for review and distribution by the Construction Engineer. Copies of the plan shall be submitted as Working Drawings in accordance with the requirements given in Section 105. The Contractor will not be required to have the plan stamped and signed by a Licensed Professional Engineer unless the preparation of details shown on the plan (for example temporary structural supports) is addressed in Alabama law regulating the practice of engineering. The plan shall be created to comply with all rules and regulations of EPA, ADEM, OSHA and any other agency that has regulatory authority and shall include:

- the cleaning methods and products proposed for removal of paint with product manufacturer documentation of the effectiveness of the cleaning methods and products in producing non hazardous blast waste;
- a work phase diagram describing how the debris shall be contained while blasting and coating operations are conducted;
- a detailed drawing and/or description of the enclosure listing the type of covering, details of the covering support materials, details of the connections to the bridge structure;
- methods and equipment proposed for collecting the blast debris;
- description of the containers and the location proposed for storing the blast debris;
- drawing at an appropriate scale to show the location of the storage of the blast waste in relation to the location of the work;
- copies of the submittal of ADEM's Form 8700-12. (If TCLP testing of blast waste proves that it is non-hazardous the Contractor may request release from ADEM's Form 8700-12 with approval of the Engineer.);
- description of the details, location and procedures for disposal of the blast debris.

521.08 Final Cleaning of Blast Cleaned Surfaces.

Blast cleaned surfaces shall be cleaned immediately prior to the application of the primer coat. All weld spatter, flux, slag, fume, and other objectionable deposits shall be removed prior to blast cleaning. The area of the welds shall be neutralized with suitable chemicals if this is required for the successful application of the primer. All areas repaired after blasting by welding, grinding or any other method shall be reblasted if deemed necessary by the Engineer.

Before the application of the primer to the blasted surfaces, the surfaces shall be brushed with clean bristle brushes, blown with compressed air or vacuumed to remove all abrasives and other loose material from the surfaces. This cleaning shall also be done to remove abrasive deposits from cracks, crevices, corners, and pockets. Oil and grease shall be removed from blast surfaces by means of a suitable solvent.

Potentially hazardous materials collected from the final cleaning on existing bridges shall be collected for proper regulatory disposal.

521.09 Required Location for Application of Coats.

Unless noted otherwise on the plans, the primer coat for new construction shall be applied in the fabrication shop. All other coats for new and existing construction shall be applied in the field after the installation of the steel has been completed.

521.10 Compliance with Coating Manufacturer's Requirements.

All coats shall be installed in accordance with the manufacturer's instructions and precautions for use.

If requested by the Engineer, the Contractor shall have a representative of the coating manufacturer present at the initial application of the coats. The representative shall remain for a period of time necessary to insure that the coatings are being applied satisfactorily and curing properly.

521.11 Equipment for the Application of the Coatings.

Coats shall be applied by spray. Rollers and brushes may be used only on flat surfaces for stripe coating and small coating repairs as directed by the Engineer. Coats shall be applied uniformly to insure complete coverage and to give the required thickness on all surfaces.

Equipment for spraying shall produce satisfactory results without the use of thinner if the use of a thinner is not allowed by the coating manufacturer. If drift of the spray away from the surface to be coated becomes a problem, the Engineer may require spraying to be suspended until conditions are favorable. Spray equipment shall include traps or separators to remove oil and water from the compressed air. The spray equipment shall be kept clean so that dirt, dried coating material and other foreign materials are not deposited in the coat film.

Subsequent coats shall not be applied over a previously applied coat prior to the time that is specified by the manufacturer for the applied coat to cure or dry.

521.12 Time of Application of Primer Coat after Final Cleaning.

The primer coat shall be applied at the time recommended by the coating manufacturer, if that time is less than 24 hours after final cleaning. The primer coat shall always be applied within 24 hours after final cleaning. Under no circumstances shall the steel be permitted to rust before coating, regardless of the time elapsed. Rust shall be cleaned by blasting or other methods approved by the Engineer.

521.13 Quality Control for Application of Coatings in the Fabricator's Shop.

If requested by the Engineer, the fabricator shall have a representative of the coating manufacture present at the initial application of the coating. The representative shall remain for a period of time necessary to insure that the coatings are being applied satisfactorily and curing properly.

The fabricator shall keep a daily record of each coating operation. The record shall be kept more frequently if the materials or coating operations change during the coating process. The coating records shall be kept on a form furnished by the fabricator that is acceptable to the representative of ALDOT.

Each coating record shall contain the ambient temperature, steel temperature, relative humidity, dewpoint, average anchor profile, coating system number, batch number, time and date blasted, time and date coated and all other information that is pertinent to the application of the coating.

After each required coat of paint has cured, the average coating thickness of each member shall be recorded. The minimum and maximum thickness as specified on the coating manufacturer's written data

shall be required. The averages shall be taken from three evenly divided sections over the length and on each side of the member under examination. The averaging shall be based on SSPC-PA 2 guidelines.

Each coating record form shall be signed by the fabricator's quality control supervisor. A copy of each coating record form shall be given to the ALDOT representative within five working days that coating work was performed. A copy of the manufacturers' certifications of all batch numbers of the applied coatings shall also be submitted to the ALDOT representative with the coating record forms.

Average anchor profile of blasted steel shall be checked using press-o-film type tape. The actual press-o-film type tape used for the measurement of the anchor profile shall be included with the copy of the coating record. Where materials other than beams and girders have been accumulated during a single shift or production run, the anchor profile of randomly selected members shall be checked.

Coatings shall not be applied until the surface to be coated has been inspected and approved by the fabricator's quality control inspector or coatings shop supervisor after final cleaning. This prior approval also applies to additional coats that may be required.

521.14 Worker Protection.

The Contractor shall comply with all requirements of the Occupational Safety and Health Administration (OSHA) and other applicable regulatory agencies with regard to exposure to hazardous materials in construction.

The Contractor shall be responsible for the training of all workers exposed to hazardous materials. The workers shall be informed of the hazards of exposure to these materials and shall be trained in the precautions to take when performing the work.

The Contractor shall provide respiratory protection and protective clothing to all workers and persons entering an area where there is the possibility of exposure to hazardous materials. Protective clothing and equipment shall be approved by OSHA or other applicable regulatory agencies.

521.15 Ambient Conditions for Surface Preparation and Coating Application.

(a) Ambient Conditions for Surface Preparation.

Final surface preparation shall not be performed on steel surfaces which may come into contact with rain, fog, snow, or dew prior to application of the coating. Final surface preparation operations, specifically meaning the 24 hour period within actual coating of steel surfaces, shall not take place when the steel surface is within 5 °F {3 °C} of the dew point or when the steel surface is below 32 °F {0 °C}. The equipment to check the dew point, humidity, and steel temperature shall be furnished by the Contractor.

Surface preconditioning such as SSPC-SP 7 "Brush-Off Blast Cleaning" is allowable when dew point, steel surface temperatures or other conditions are outside of allowable ranges as long as final surface preparation requirements specifically regarding SSPC-SP6 and SSPC-SP10 are completed within the 24 hour period of coating steel surfaces.

(b) Ambient Conditions for Coating Application.

Coating operations shall take place only when the surrounding air temperature or temperature of the steel is above 40 °F {5 °C} and not expected to drop to or below 32 °F {0 °C} prior to drying of the coating. Coatings shall not be applied to damp or frozen steel surfaces. Coatings shall not be applied when the steel surface is within 5 °F {3 °C} of the dew point or at a relative humidity above 85% unless the conditions of application recommended by the coating manufacturer are different and are allowed by the Engineer. Coatings shall not be applied during rain, snow, or fog conditions or when it is likely that moisture in the form of rain, fog, snow, or dew will contact coated surfaces which have not cured to water resistance.

521.16 Additional Requirements for Applying Primer Coat in the Shop.

(a) Exposed Surfaces.

Unless designated otherwise on the plans or in these specifications, all steel surfaces that will be exposed, with the exception of weathering steel, shall be coated in the shop with a primer coat.

Limited painting of weathering steel is required. Only the exposed, non-contact surfaces of weathering steel within a distance from an open joint or finger tooth joint of 1.5 times the depth of the girder (depth at the bearing) shall be painted unless noted otherwise on the plans.

(b) Contact and Inaccessible Surfaces.

Shop contact (faying) surfaces shall not be coated. Surfaces that are not in contact, but will be inaccessible after assembly or erection, shall be coated with all required coats before assembly or erection except for bolted field splice surfaces.

521.17 Requirements for Applying Additional Coats over a Shop Primer Coat.

All areas required to be painted that are not readily accessible to spray painting operations shall have primer applied by other means. These areas include, but shall not be limited to, all holes in fabricated items and all clips of stiffeners or gusset plates.

All seams of fabricated items that will not be sealed by welding shall receive a brush applied stripe coat of inorganic zinc prior to the application of the primer coat. The inorganic zinc coating shall be the same as that used for the primer coat. Additional touch up of the stripe coat will be required, if necessary, before final approval is given to the primer coat.

(c) Machined Surfaces and Surfaces at future Field Welds.

Primer coats shall not be applied in the shop to machined surface finishes noted in Article 836.50.

(d) Surfaces of Expansion Dams.

All surfaces of expansion dams shall be coated with primer to the maximum thickness recommended by the coating manufacturer.

(e) Coating with Inorganic Zinc Primer.

When an inorganic zinc primer coat is required, the area of the girder (web and flange), the splice plates, filler plates, gusset plates for all diaphragms, crossframes and lateral bracing, top of the top flange of steel members supporting concrete slabs, and the edges of the top flange shall be coated with the inorganic zinc primer in the shop. The zinc primer shall have been tested for the determination of the slip coefficient as described in Article 855.03.

When an inorganic zinc primer coat is required, the intermediate coat shall not be applied until the primer coat has cured. The Contractor shall ensure that this does not occur by testing the primer coat curing by means of a method recommended by the coating manufacturer.

All overspray, loose or foreign, that would inhibit successful bonding of a subsequent topcoat shall be removed by a method approved by the manufacturer of the product.

(f) Protection of the Primer Coat in the Shop.

The freshly coated steel shall not be handled or moved, except when unavoidable, until the primer coat is dry. All handling shall be performed using methods that will prevent the primer coat from being damaged. Storing shall be done in such a manner that the coating will not be removed or covered with dust, dirt, or other foreign material. In the case that debris does settle and harden on the coated surfaces during periods of extended shop storage, power washing shall be required before materials are staged for delivery. Any surfaces which require cleaning shall be restored to the original acceptable conditions prior to delivery to the project site.

Loading, supporting and securing the steel for shipping shall be done in a manner to prevent damage the primer coating during loading and shipping. Nylon tie-downs, or other materials that will not damage the coating shall be used to secure the steel members during shipment.

(g) Erection Marks.

Erection marks corresponding to those of the erection diagram submitted by the Contractor shall be plainly marked on primer coated surfaces.

521.17 Requirements for Applying Additional Coats over a Shop Primer Coat.

(a) Cleaning Surfaces after Erection.

All debris shall be cleaned from the primed and bare surfaces before the application of additional coats. The Contractor shall use cleaning methods and materials that will not damage the primer coat. Oil and grease shall be removed by the use of a suitable solvent. Care shall be taken not to damage an underlying coat; however, if damage occurs, the underlying coat or coats shall be immediately repaired. On welded work all slag, flux, and spatter shall be removed prior to coating.

(b) Coating Surfaces After Erection.

Immediately after the erection of materials (all connections complete), all bolted connections such as girder connection plates, diaphragm connection plates, field splice plates, galvanized bolts, nuts, washers, and other portions of the structure (except portions in contact with the concrete) which have received a shop applied primer coat and all completed bolt assembly installations shall be cleaned.

All surfaces that have been scraped, chipped, or damaged during shipping and erection and all surfaces of the prime coat that have deteriorated shall be coated as per the coating manufacturers recommendations to restore the prime coat to an acceptable condition prior to top coating operations.

All surfaces that have been scraped, chipped, or damaged during shipping and erection and all surfaces of the prime coat that have deteriorated shall be coated to restore the prime coat.

The coating of structural steel bridge superstructure with a concrete deck shall not be done until after the construction of the deck has been completed. All concrete spills and splashes shall be washed from the structural steel prior to the mortar taking a set.

A succeeding coat shall not be applied until the previous coat has dried throughout the full thickness of the coating film.

The coatings shall be protected from discoloration and disfigurement by dust, insects, and other causes until dry. The Contractor shall protect pedestrian, vehicular, and other traffic that moves on or underneath the bridge from damage and disfigurement by errant spray and other coating operations. The Contractor shall protect all uncoated surfaces of the bridge from damage and disfigurement.

If traffic produces an objectionable amount of dust and dirt, the Contractor shall, without extra compensation, take means to prevent the dust and dirt from coming in contact with the surfaces that are being cleaned and are being coated. It shall be the Contractor's responsibility to protect all property, public and private, from damage that may result from the cleaning and coating operations.

521.18 Additional Requirements for Coating Surfaces on an Existing Bridge.

Steel and other metals shall consist of the metals of the substructure and superstructure structural steel areas and contiguous metal surfaces, and such surfaces as galvanized pipe, conduits and junction boxes, metal ladders, gratings, railings, platforms, operator's houses (metal or other material), navigation light stands, guyed masts, supporting overhead cable (excluding public utility masts, cable brackets and appurtenances), traffic gate housing, metal drains on steel spans, and surfaces of all machinery housing and parts that do not require lubrication. Any cleaning that is deemed by the Engineer to be harmful to the metal shall be discontinued.

A succeeding coat shall not be applied until the previous coat has dried throughout the full thickness of the coating film.

The coatings shall be protected from discoloration and disfigurement by dust, insects, and other causes until dry. The Contractor shall protect pedestrian, vehicular, and other traffic that moves on or underneath the bridge from damage and disfigurement by errant spray and other coating operations. The Contractor shall protect all uncoated surfaces of the bridge from damage and disfigurement.

If traffic produces an objectionable amount of dust and dirt, the Contractor shall, without extra compensation, take means to prevent the dust and dirt from coming in contact with the surfaces that are being cleaned and are being coated. It shall be the Contractor's responsibility to protect all property, public and private, from damage that may result from the cleaning and coating operations.

521.19 Method of Measurement.

The completed and accepted work shall be measured in lump sum units, each identified by station number or mile {kilometer} post number in the proposal. The quantities of surface area that may be shown on the Plans are approximate estimates of the surface area that will be required to be coated. The Contractor shall determine the actual amount of surface area that is required to be coated and base the bid on this actual amount.

521.20 Basis of Payment.

(a) Unit Price Coverage.

Separate payment for applying a coating to a new bridge will be made only when the proposal includes a pay item for this work. Otherwise, payment for this work shall be included in Items 508-A, 508-B, 508-E, or 508-F, whichever is appropriate.

Items 521-A and 521-B, measured as provided above, will be paid at the contract lump sum prices for the specified units. These prices shall be full compensation for all shop or field cleaning of metal, for containing, collecting, storing, testing, transporting and disposing of cleaning debris, for furnishing abrasives and cleaning solvents, for furnishing a surface profile comparator, for furnishing and applying the coating material, for supplying safety equipment and clothing, and for all materials, equipment, labor, and incidentals necessary to complete the work.

(b) Payment will be made under Item No.:

521-A Coating New Bridge at _____ - per lump sum

521-B Coating Existing Bridge at _____ - per lump sum

Special Provisions

SCP 59-992-26

SHELBY COUNTY, ALABAMA

The following clauses are a part of these specifications and have been prepared subsequent to the foregoing. In case of conflict, the following are to take precedence:

Delay begin Work Date (County Projects)	22-GA0006
Value Engineering Payment	22-GA0007
Work Performed and Progress Based Pay Items	22-GA0010(2)
Roadway Signs, Construction Signs, and Cones	22-GA0013(2)
Build America, Buy America Act	22-GA0028(2)
Contractor's Advertisement of Completion	22-GA0036
Liquidated Damages	22-LD0001(2)
Construction Signs – Roll Up Signs and Temporary Sign Stands	22-GA0049

BIN 12024 – CR 43 at US 280 – Bridge Over Yellowleaf Creek

Bridge Blasting and Painting Project



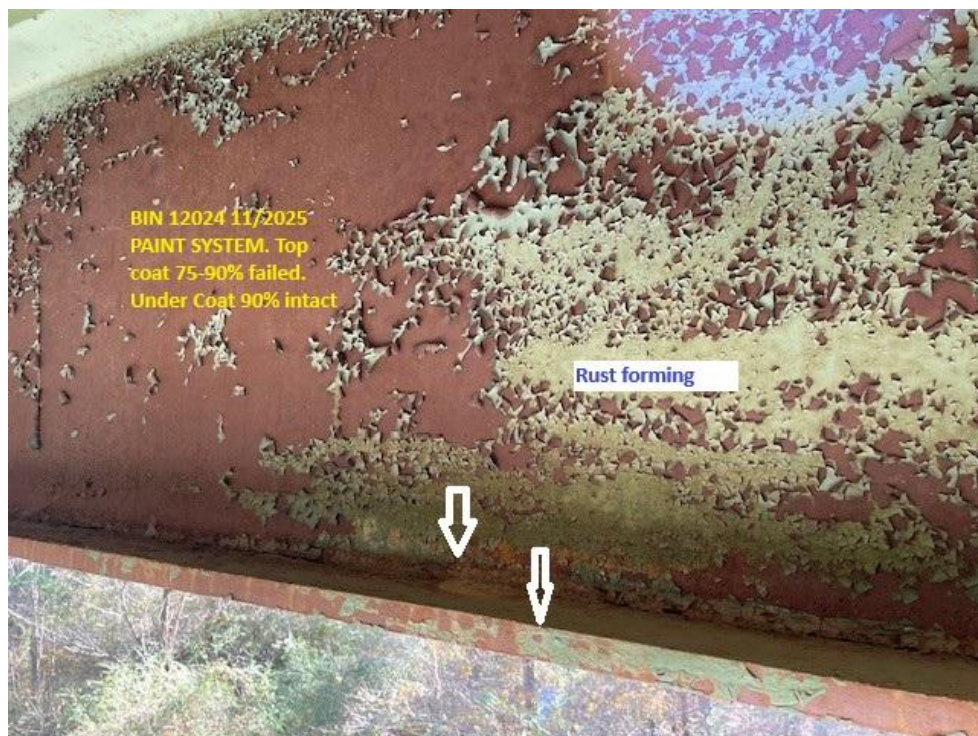
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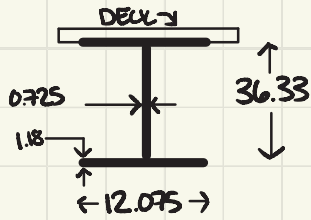


CR-43 BRIDGE (BIN 12024) PAINTABLE AREA

GIRDERS:

5 TOTAL - $71' - 2\frac{1}{2}" = 356.05 \text{ LF}$

- W36x182



(CROSS-SECTIONAL AREA PER FOOT:

- WEB & FLANGE THICKNESS (BOTH SIDES)

$(36.33 - 1.18) \times 12 \text{ in} \times 2 = 843.60 \text{ in}^2$

- BOTTOM OF TOP FLANGE & TOP OF BOTTOM FLANGE

$(12.075 \text{ in} - 0.725 \text{ in}) \times 12 \text{ in} \times 2 = 272.4 \text{ in}^2$

- BOTTOM OF BOTTOM FLANGE

$12.075 \text{ in} \times 12 \text{ in} = 144.9 \text{ in}^2$

$$\begin{array}{r} \text{TOTAL AREA} = 843.60 \\ 272.40 \\ + 144.90 \\ \hline 1260.90 \text{ in}^2 \end{array}$$

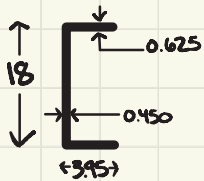
$1260.90 \text{ in}^2 / 144 = 8.76 \text{ FT}^2/\text{LF}$

$8.76 \text{ FT}^2/\text{LF} \times 356.05 \text{ LF} = \boxed{3,118.99 \text{ FT}^2}$

DIAPHRAGMS:

16 TOTAL - $7' = 112 \text{ LF}$

- MC 18x42.7



(CROSS-SECTIONAL AREA PER FOOT:

- LEFT SIDE OF WEB

$(18 \text{ in} \times 12 \text{ in}) = 216 \text{ in}^2$

- OUTSIDE PORTION OF FLANGES

$(3.95 \text{ in} \times 12 \text{ in}) \times 2 = 94.8 \text{ in}^2$

- INSIDE PORTION OF FLANGES

$(3.95 - 0.45) \times 12 \text{ in} \times 2 = 84 \text{ in}^2$

- RIGHT SIDE OF WEB

$(18 - 0.625(2)) \times 12 \text{ in} = 201 \text{ in}^2$

- COVERED BY CONNECTION PLATE

$(18 \text{ in} \times 2 \text{ in}) \times 2 = 72 \text{ in}^2$

TOTAL AREA = 216

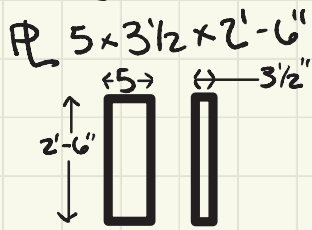
$$\begin{array}{r} 94.80 \\ 84 \\ + 201 \\ \hline 595.8 \text{ in}^2 \\ - 72 \text{ in}^2 \\ \hline 523.8 \text{ in}^2 \end{array}$$

$523.8 \text{ in}^2 / 144 = 3.6375 \text{ FT}^2/\text{LF}$

$3.6375 \text{ FT}^2/\text{LF} \times 112 \text{ LF} = \boxed{407.4 \text{ FT}^2}$

CONNECTION PLATES:

32 TOTAL



(CROSS SECTIONAL AREA:

- SIDES

$$(5 \text{ in} \times 30 \text{ in}) \times 2 = 300 \text{ in}^2$$

- SIDE THICKNESS

$$3/8 \text{ in} \times 30 \text{ in} = 11.25 \text{ in}^2$$

- TOP + BOTTOM THICKNESS

$$(3/8 \text{ in} \times 5 \text{ in}) \times 2 = 3.75 \text{ in}^2$$

- COVERED BY DIAPHRAGM

$$(18 \text{ in} \times 2 \text{ in}) = 36 \text{ in}^2$$

$$\begin{array}{r} \text{TOTAL} = 300 \\ + 11.25 \\ + 3.75 \\ \hline 315 \text{ in}^2 \\ - 36 \text{ in}^2 \\ \hline 279 \text{ in}^2 \end{array}$$

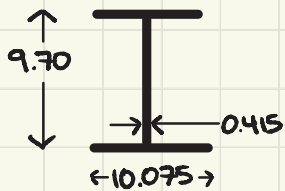
$$279 \text{ in}^2 / 144 = 1.9375 \text{ FT}^2 / \text{EA}$$

$$1.9375 \text{ FT}^2 \times 32 = \boxed{62 \text{ FT}^2}$$

PILING:

$$\begin{array}{l} \text{BENT 3} = 132.9 \text{ LF} \\ \text{BENT 4} = 170.9 \text{ LF} \\ \text{BENT 7} = 132.9 \text{ LF} \end{array} \left. \vphantom{\begin{array}{l} \text{BENT 3} \\ \text{BENT 4} \\ \text{BENT 7} \end{array}} \right\} \text{TOTAL} = 436.7 \text{ LF}$$

HP 10x42



CROSS SECTIONAL AREA PER FOOT:

- WEB + FLANGE THICKNESS (BOTH SIDES)

$$(9.70 \text{ in} \times 12 \text{ in}) \times 2 = 232.8 \text{ in}^2$$

- OUTSIDE FLANGES

$$(10.075 \text{ in} \times 12 \text{ in}) \times 2 = 241.8 \text{ in}^2$$

- INSIDE FLANGES

$$(10.075 - 0.415) \times 12 \text{ in} \times 2 = 231.84 \text{ in}^2$$

$$\begin{array}{r} \text{TOTAL} = 232.8 \\ + 241.8 \\ + 231.84 \\ \hline 706.44 \text{ in}^2 \end{array}$$

$$706.44 \text{ in}^2 / 144 = 4.91 \text{ FT}^2 / \text{FT}$$

$$4.91 \text{ FT}^2 / \text{FT} \times 436.7 \text{ FT} = \boxed{2144.2 \text{ FT}^2}$$

SWAY BRACING:

$$\text{BENT 3} = 175.05 \text{ LF}$$

$$\text{BENT 4} = 300.75 \text{ LF}$$

$$\text{BENT 7} = 175.05 \text{ LF}$$

$$\text{TOTAL} = 650.85 \text{ LF}$$

$$P \ 4" \times 3\frac{1}{2}" \times 5/16"$$

$$\text{TOTAL} = 96$$

$$84$$

$$+ 7.5$$

$$\hline 187.5 \text{ in}^2$$

$$-(4 \text{ in} \times 12 \text{ in}) \times 2 = 96 \text{ in}^2$$

$$-(3.5 \text{ in} \times 12 \text{ in}) \times 2 = 84 \text{ in}^2$$

$$-(5/16 \text{ in} \times 12 \text{ in}) \times 2 = 7.5 \text{ in}^2$$

$$187.5 \text{ in}^2 / 144 = 1.30 \text{ FT}^2/\text{LF}$$

$$1.30 \text{ FT}^2/\text{LF} \times 650.85 \text{ LF} = \boxed{846.1 \text{ FT}^2}$$

$$\boxed{\text{TOTAL PAINTABLE SURFACE AREA} = 6,579 \text{ FT}^2}$$

- NOTE: THESE MEASUREMENTS AND CALCULATIONS ARE APPROXIMATE AND SHOULD BE VERIFIED BEFORE BIDDING. THIS APPROXIMATE QUANTITY DOES NOT INCLUDE BEARINGS.