

Facsimile
TRANSMITTAL



Fairfield County Engineer's Office

Jeremiah D. Upp, P.E., P.S.
Fairfield County Engineer

3026 W. Fair Avenue
Lancaster OH 43130-8993
Telephone (740) 652-2300
Fax (740) 687-7055

Name: Distribution
Re: HOC-43 Bridge Repair Project Addendum #1
Date: March 13, 2018
Pages: 16 (including this cover sheet)

COMMENTS:

Please find attached an Addendum to the HOC-43, FAI-CR33A-4.02 Memorial Drive Bridge Repair Project which opens Friday, March 23, 2018. ***Please sign below and return this statement indicating you have received this Addendum.*** Signed forms should be returned to me via FAX 740-687-7055 or email to cheryl.downour@fairfieldcountyohio.gov.

Signed

Date

Company

Distribution: Eagle Bridge
APBN, Inc.
Suburban Maintenance & Construction
Armstrong Steel Erectors, Inc.
360 Construction Co. Inc.

From the desk of...

Cheryl L. Downour
Administrator, Technical Services
FAIRFIELD COUNTY ENGINEER'S OFFICE
3026 W. FAIR AVENUE
LANCASTER OH 43130-8993

(740) 652-2368
Fax: (740) 687-7055



Fairfield County Engineer

3026 W. Fair Ave.
Lancaster, OH 43130
Main: (740) 652-2300
Fax: (740) 687-7055

HOC-43, FAI-CR33A-4.02 MEMORIAL DRIVE BRIDGE REPAIR PROJECT

ADDENDUM #1 and Plan/Specification Questions and Answers

March 13, 2018

ADDENDUM #1:

The following information supplements and amends the original Bid Documents, Specifications, and Drawings and shall become a part of the Contract Documents.

- Section 7A was added to the proposal. Add the attached Section 7A.
 - Railroad Details
- Please add a bid item for Mobilization.
 - Bid Item 624 added (REF 29). Replace pages 8.2 & 8.3 with attached.
- Please review the quantity for REF 21 Sealing of Concrete Surfaces. Quantity appears to be overstated.
 - Quantity revised to 2875 SY. Replace pages 8.2, 8.3, & 7.3 with attached.
- Please review quantity for REF 26 Grinding Fins, Tears, Slivers. Quantity appears to be overstated.
 - Quantity revised based on 500 SF per hour 49 hours. Replace pages 8.2, 8.3 & 7.3 with attached
- Please consider adding additional time to this contract.
 - Completion date has been revised to October 12, 2018. Replace pages 3, 7.4, & 8.1.
- The Engineer's Estimate has been revised to \$758,337.50. Replace page 6.1.

PLAN/SPECIFICATION QUESTIONS AND ANSWERS:

- Please advise of the daily train movements for the Indiana & Ohio Railroad.
 - See Section 7A.
- Please advise who is responsible for paying for the railroad flagger.
 - See Section 7A. (Fairfield County Engineer's Office)
- Is a Railroad Premium required for this project? If so, please add a bid item.
 - For requirements, see Section 7A. (Not a Bid Item)

HOC-43 Bridge Repair Project
Addendum & Plan/Spec Questions & Answers
March 13, 2018

- Does the railroad have to review / accept contractors plans for the construction of this project? If so, what is the review time.
 - Standard review time is 2 weeks
- What is the minimum and actual vertical clearance for the railroad tracks?
 - See Section 7A.
- Please add a bid item for Contract Performance and Payment Bond.
 - Not a pay item
- Please review quantity for REF 27 Final Inspection Repair. Quantity appears to be understated.
 - It has been our experience when hiring a bridge painting inspector, the inspections are non-preformed. Depends on the contractor and the results of the first two tests.
- Please provide plans for the work associated on REF Items 9 – 20. There is no mention of this work in the plans.
 - These quantities are estimated based on the items that will need replaced when installing the new expansion joints.

Bill Maravy, P.E.
Deputy Engineer
Fairfield County Engineer's Office

LEGAL NOTICE
ADVERTISEMENT TO BIDDERS

Sealed proposals will be received at the Office of the Fairfield County Engineer, 3026 West Fair Avenue, Lancaster, Ohio 43130, until 11:45 A.M. local time on Friday, March 23, 2018, for furnishing all labor, materials, and equipment necessary to complete the project known as HOC-43, FAI-33A-7.125 Bridge Repair Project, and at said time and place, publicly opened and read aloud.

Contract documents, bid sheets, plans, and specifications must be obtained via the web at www.co.fairfield.oh.us/Engineer or from said office for a non-refundable fee of \$10.00 per set. To be considered a responsive and responsible bidder, bidder must be recorded on plan holders list at said office.

Each bidder must be an ODOT pre-qualified contractor to be eligible to submit bids for this Project.

Each bidder is required to furnish with its proposal a Bid Guaranty and Contract Bond in accordance with Section 153.54 of the Ohio Revised Code. Bid security furnished in Bond form, shall be issued by a Surety Company or Corporation licensed in the State of Ohio to provide said surety.

Each proposal must contain the full name of the party or parties submitting the proposal and all persons interested therein. Each bidder must submit evidence of its experiences on projects of similar size and complexity. The Owner intends and requires that this project be completed in three phases: Phase 1 must be completed within 40 consecutive calendar days; Phase 2 must be completed within 40 consecutive calendar days; and Phase 3 must be completed within 60 consecutive calendar days. All phases must be completed no later, in any case, than October 12, 2018.

Bidders must comply with the Federal Prevailing Wage Rates on this Public Improvement in Fairfield County, Ohio.

The Commissioners reserve the right to waive irregularities and to reject any or all bids.

The Fairfield County Board of Commissioners

Advertise: March 2, 2018 (3 times) A copy of this Ad must be received.
March 9, 2018
March 16, 2018

Bill: The Fairfield County Engineer
3026 W. Fair Avenue
Lancaster, Ohio 43130
Contact: Cheryl Downour
Administrator, Technical Services
Phone: 740-652-2368

GENERAL SPECIFICATIONS

This project includes all work items as set forth on the bid proposal and plans. The Bid Proposal, Plans, Specifications, Notice and Instructions to Bidders, General Conditions, Required Contract Provisions and General Specifications shall be considered as part of the Contract. The Bid Award shall be based upon total contract price as set forth in the Bid Proposal. Unit prices will be used for purposes of additions or deletions during construction.

All Labor and Materials shall be in accordance to referenced Items of the State of Ohio, Department of Transportation, Construction and Material Specifications dated January 1, 2016, including Supplemental Specification 800 dated January 19, 2018, and Road and Bridge Standard Drawings from the Ohio Department of Transportation for all details except as noted on the plans. Said referenced specifications and standard drawings are hereby made a part of the Contract. All work shall be performed to the satisfaction of the Fairfield County Engineer before payment is made.

The Engineer's estimate for this project is \$758,337.50.

If applicable, existing plans or subsurface investigations will be made available upon request.

DOMESTIC STEEL USE REQUIREMENTS AS SPECIFIED IN SECTION 153.011 OF THE REVISED CODE APPLY TO THIS PROJECT. COPIES OF SECTION 153.011 OF THE REVISED CODE CAN BE OBTAINED FROM ANY OF THE OFFICES OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES. BUY AMERICAN AND DOMESTIC STEEL PER ODOT SPECIFICATION 106.09.

Bidders must be pre-qualified with the Ohio Department of Transportation.

Contractor shall hold the County of Fairfield, Fairfield County Commissioners and the Fairfield County Engineer free and harmless from all claims arising from any accident or occurrences as a result of the Contractor's operations in the performance of the herein described work. Said Contractor shall have proper insurance with minimum limits of \$500,000 for each person and \$1,000,000 for each accident.

The Contractor is to provide for the payment of the Davis/Bacon Federal Prevailing Wage Rates to all employees and is to provide the Fairfield County Engineer with a certified copy of each payroll.

All construction operations shall be completed as specified in "Project Description, Details, and Specifications" Section 7 of this Contract. Construction conditions and/or weather may require extension of the completion date.

All work shall be coordinated and scheduled with the Fairfield County Engineer.

At the completion of the project, an Affidavit of Contractor Prevailing Wages, as provided, shall be filed with the Fairfield County Engineer's Office for the Contractor and any sub-contractors used prior to final payment.

Elastomeric Compression Joint Seals used in the Structural Steel Expansion Joints. The approach slab elastomeric compression seal shall be replaced per Standard Drawing AS-1-81.

The following estimated quantities have been included to pay for this work:

- Item 202 Portions of Structure Removed, Superstructure, 11 Cu. Yd.
- Item 202 Portions of Structure Removed, Abutments and Approach Slab, 9 Cu. Yd.
- Item 202 Concrete Parapet Removed, 40 LF
- Item 509 Epoxy Coated Reinforcing, 160 Pound
- Item 511 Class QC2 Concrete, as per plan, Superstructure, 11 Cu. Yd.
- Item 511 Class QC2 Concrete, as per plan, Abutments and Approach Slab, 9 Cu. Yd.
- Item 516 Structural Steel Expansion Joints, 159 LF
- Item 516 Preformed Elastomeric Compression Joint Seal, Approach Slab, 142 LF
- Item 516 ½" Preformed Expansion Joint Filler, 20 SF
- Item 622 Concrete Barrier, 40 LF
- Item 516 Preformed Elastomeric Compression Joint Seal, Parapet Wall, 20 LF

These items of work shall include furnishing all materials, services, labor, tools, equipment and incidentals necessary to complete the work.

Sealing the Concrete Deck:

Seal top and sides of concrete deck and barriers. Care shall be taken to ensure no vehicles or people are hit with any overspray.

The following estimated quantities have been included to pay for this work:

- Item 512, Sealing of Concrete Surfaces (non-epoxy), 2,875 Square Yards

This item of work shall include furnishing all materials, services, labor, tools, equipment and incidentals necessary to complete the work.

Painting the Structural Steel Portions of the Superstructure:

Remove the existing coatings, clean and paint all steel surfaces.

The following estimated quantities have been included to pay for this work:

- Item 514, Surface Preparation of Existing Structural Steel, 24,505 Square Feet
- Item 514, Field Painting of Existing Structural Steel, Prime Coat, 24,505 Square Feet
- Item 514, Field Painting of Existing Structural Steel, Intermediate Coat, 24,505 Square Feet
- Item 514, Field Painting of Existing Structural Steel, Finish Coat, 24,505 Square Feet
- Item 514, Grinding Fins, Tears, Slivers on Existing Structural Steel, 49 Man Hours
- Item 514, Final Inspection Repair, 2 Each

These items of work shall include furnishing all materials, services, labor, tools, equipment and incidentals necessary to complete the work.

Maintenance of Traffic and Time Limits:

Prior to Construction: The contractor will provide the Engineer with a plan to verify existing dimensions and the plan must be approved by the Engineer. Any needed lane closures or traffic control needed will be provided by the County.

PHASE 1: The West Bridge will be closed to traffic and traffic will be detoured around the bridge. The County will provide the detour and closure. The Contractor will coordinate the closure date with the County at least 3 weeks in advance. The Contractor will have 40 calendar days to complete all work on and under the bridge, except Item 514 pay items, starting the day the bridge is closed to traffic. This is considered the 1st interim completion date.

PHASE 2: When the West Bridge is opened to traffic, the East Bridge will be closed to traffic and traffic will be detoured around the bridge. The County will provide the detour and closure. The Contractor will have 40 calendar days to complete all work on and under the bridge, except Item 514 pay items, starting the day the bridge is closed to traffic. This is considered the 2nd interim completion date.

PHASE 3: All work not finished shall be performed while maintaining traffic. Lane closures will be allowed if approved by the Engineer. The contractor shall be responsible for all traffic control. The Contractor will have 60 calendar days to complete all work. This is considered the final completion date. This date must be no later than October 12, 2018.

If the Contractor fails to complete the work within the time allowed per the interim completion dates or the final completion date, the Owner, for each Calendar Day that any work shall remain uncompleted after the completion dates, shall charge liquidated damages per the State of Ohio Department of Transportation Construction and Material Specifications Book, 2013 Edition, from money due the Contractor. The Owner may waive such portions of the liquidated damages as may accrue after the work is in condition for safe and convenient use by the Public.

The following estimated quantities have been included to pay for Maintenance of Traffic:

Item 614, Maintaining Traffic, Lump Sum

This item of work shall include furnishing all materials, services, labor, tools, equipment and incidentals necessary to complete the work.

Railroad:

Preparing shop drawings and furnishing all materials, services, labor, tools, equipment and incidentals necessary to complete the work shall be included with various related items for payment.

All movements of equipment within Railroad property must be coordinated with the Railroad Flagger.

FAIRFIELD COUNTY
Bridge No. HOC-43

INDIANA & OHIO RAILWAY COMPANY
Logan Line MP 31.31
AARDOT# 228967G

SPECIAL CLAUSES IN THE PROPOSAL

The bidder, if awarded the contract for this improvement agrees:

1. To cooperate at all times with the local officials of the Railroad.
2. To use all reasonable care and diligence in the work in order to avoid accidents, damage or unnecessary delay to, or interference with the trains and other property of the Railroad.
3. To conduct its work in a manner satisfactory to the Chief Engineer of the Railroad or his authorized representative, to perform its work in such manner and at such time as not to unnecessarily interfere with the movements of trains or railroad traffic, and to hold its work open to inspection of Railroad inspectors.
4. To cooperate with any public utility, Railroad or other organizations having occasion to do work on or in connection with the improvement.
5. To avoid unnecessary use of Railroad property without written permission of the Railroad company and to leave Railroad roadbed and property in a condition acceptable to the Chief Engineer of the Railroad.
6. To execute a bond conditioned according to Section 5525.16 of the Revised Code of Ohio, in favor of the State of Ohio and further to carry insurance of the following kinds and amounts:
 - 1) Bidder shall furnish evidence to the highway department that, with respect to the operations it or any of its sub-contractors perform, Public Liability or Commercial General Liability Insurance (“CGL”), including Contractual Liability Coverage and CG 24 17 “Contractual Liability – Railroads” endorsement, covering all liabilities assumed by the CONTRACTOR under this Agreement, without exception or restriction of any kind, with a combined single limit of not less than Five Million Dollars (\$5,000,000) for Bodily Injury and/or Property Damage Liability per occurrence, and an aggregate limit of not less than Ten Million Dollars (\$10,000,000) per annual policy period.

Such insurance policy shall be endorsed to provide a Waiver of Subrogation in favor of the Railroad and shall name the Railroad as Additional Named Insured.

An Umbrella policy may be utilized to satisfy the required limits of liability under this section, but must “follow form” and afford no less coverage than the primary policy.

- 2) Bidder shall furnish evidence to the highway department that it has, with respect to the operations it or any of its sub-contractors perform, Statutory Workers’ Compensation and Employers’ Liability Insurance for its employees (if any) with minimum limits of not less than One Million Dollars (\$1,000,000) for Bodily Injury by Accident, Each Accident; One Million Dollars (\$1,000,000) for Bodily Injury by Disease, Policy Limit; One Million Dollars (\$1,000,000) for Bodily Injury by Disease, Each Employee. Such policy shall be endorsed to provide a Waiver of Subrogation in favor of the Railroad.
- 3) Bidder shall furnish evidence to the highway department that, with respect to the operations it or any of its sub-contractors perform, provide evidence of Commercial Automobile Insurance for all owned, non-owned or hired vehicles with a combined single limit of not less than One Million Dollars (\$1,000,000) for Bodily Injury and Property Damage Liability. Such policy shall be endorsed to provide a Waiver of Subrogation in favor of the Railroad and shall name the Railroad as Additional Insured. If hauling hazardous materials, such Policy is to be endorsed with the MCS – 90 endorsement as well as CA 9948 Pollution Liability – Broadened Pollution for Covered Autos.
- 4) Bidder shall furnish evidence to the highway department that, with respect to the operations it or any of its sub-contractors perform, provide evidence of Pollution Legal Liability Insurance with minimum limits of Three Million Dollars (\$3,000,000) per occurrence covering all operations of Bidder. Such policy shall be endorsed to provide a Waiver of Subrogation in favor of the Railroad.
- 5) Contractor must submit its original Railroad Protective Liability policy, Certificates of Insurance and all notices and correspondence regarding the insurance policies to:

Mr. Joe Bolzenius
Patrick Engineering, Inc.
3650 Olentangy River Road, Suite 110
Columbus, OH. 43214
Phone: 614-498-0339
email: jbolzenius@patrickco.com

a) **Railroad Protective Liability Insurance.**

Bidder shall furnish evidence to the highway department that, with respect to the operations it or any of its sub-contractors perform, it has provided for and in behalf of the Indiana & Ohio Railway Company, in the amount of \$5,000,000 per occurrence and subject to that limit per occurrence, an aggregate limit in the amount of \$10,000,000 for each annual period.

The above railroad protective policy of insurance shall conform to the Railroad Liability requirements prescribed by the Federal Highway Administration in Federal-Aid Policy Guide 23 CFR 646A as amended.

The corporate name and address of the "Named Insured" as listed on the policy shall be as follows:

Indiana & Ohio Railway Company
4349 Easton Way, Suite 110
Columbus, OH 43219

Common Policy Conditions form

Any other endorsement/form not specifically authorized above.

The number of trains operating through the improvement is estimated to be:

0 Passenger trains per day @ _____ miles per hour.

4 Freight trains per day @ 25 miles per hour.

(b) General Insurance Requirements

The insurance hereinbefore specified shall be with an acceptable insurance company authorized to do business in the State of Ohio, and shall be taken out before execution of the Contract by the Director and kept in effect until all work required to be performed under the terms of the contract is satisfactorily completed as evidenced by the formal acceptance by the State. Such policies shall include thirty (30) days canceling notice. The cost of insurance hereinbefore specified in subsection (a) will be a specific bid item.

Notwithstanding the Department's Construction and Material Specification No. 107.12 "Evidence" as above set forth shall consist of furnishing the Director of Transportation three (3) certified copies of the railroad policy.

7. To indemnify, defend, and hold Indiana & Ohio Railway Company and its affiliates (collectively, "Railroad") harmless from and against all claims, demands, payments, suits, actions, judgments, settlements, and damages of every nature, degree, and kind (including direct, indirect, consequential, incidental, and punitive damages), for any injury to or death to any person(s) (including, but not limited to the employees of Railroad, the State or the Contractor), for the loss of or damage to any property whatsoever (including but not limited to property owned by or in the care, custody, or control of Railroad, the State or the Contractor, and environmental damages and any related remediation brought or recovered against Railroad), arising directly or indirectly from the negligence, recklessness or intentional wrongful misconduct of the Contractor, the State, and their respective agents, employees, invitees, or contractors in the performance of work in connection with the project or activities incidental thereto, or from their presence on or about Railroad's property. The foregoing indemnification obligation shall not be limited to the insurance coverage required in paragraph 6 above.
8. The Railroad company shall assign, at the sole cost and expense of the Department, railroad flaggers or other protective services and devices as necessary to insure the safety and continuity of the work to be performed as a part of this contract.

Said services and devices shall be provided when necessary, as determined by the Railroad, because of any of the Contractor's operations over, under or adjacent to tracks over which trains are operating. The provision of such protective personnel and devices does not relieve the Contractor from the liability of payment for damage caused by his operations.

Such protection shall be required when workers or equipment are working within clearance limits of 25 feet of a rail or when work being performed adjacent to operating tracks may present hazards to tracks, train operation, or when equipment does or may infringe upon such limits. Temporary minimum construction clearances of 22'-0" vertically from the top of rail and 14'-0" from centerline of track horizontally will be permitted by the Railroad.

The Contractor will not be permitted to operate any of his own equipment on Railroad tracks except under an acceptable arrangement with the Railroad. Such equipment and the operation of such equipment, or equipment rented from the Railroad, shall be arranged for by the Contractor with the Railroad and the cost for its use, including protection of Railroad traffic, shall be borne by the Contractor.

The Contractor shall notify the following named individual for the railroad company at least 30 days, or as directed by the authorized representative of the Railroad, in advance of starting any work which might require protection:

Mr. Joe Bolzenius
Patrick Engineering, Inc.
3650 Olentangy River Road, Suite 110
Columbus, OH. 43214
Phone: 614-498-0339
Email: jbolzenius@patrickco.com

The Contractor shall notify the Railroad at least 5 working days in advance of suspending or ceasing operations that require a flagger, and must provide the Project Name, PID number, railroad line and milepost information and/or AARDOT# as shown at the top of pg. SC-1.

Railroad protective personnel assigned to the project will be responsible for notifying the Engineer upon arrival at the job site on the first working day that protective services begin and on the last day that he performs such services. This will be required for each separate period that such services are provided. The Engineer will document such notification in the project diary.

The Contractor will be responsible for protective services provided at his request and not utilized due, in the opinion of the Engineer, to a change in the Contractor's construction schedule or if it is determined by the Engineer that the requested services were not necessary. The actual costs for such protective services so assessed to the Contractor will be deducted from the Contract.

The decision of the Director of Transportation shall be final in the event of controversy as to the necessity for any protection services provided and not utilized by the Contractor as described in the preceding paragraph.

9. To pay the railroad or owning company for any changes, requested for his convenience, to Railroad property, facilities, wire, fiber optic and/or pipe lines other than shown on the plans for the project.

If at any time the contractor desires a temporary crossing of the Railroad's tracks, he shall make a request for a temporary crossing from the Railroad. If approved, he shall arrange with the Railroad, execute its regular form of private grade crossing agreement covering the crossing desired, paying all construction, maintenance, removal, protection and other costs.

10. Methods and procedures for performing work on property of **Indiana & Ohio Railway Company** must be approved by:

Mr. John Hilborn, P.E.
Vice President – Engineering, Midwest Region Railroads
4349 Easton Way, Suite 110
Columbus, OH 43219
Phone: (614) 479-1659
Email: john.hilborn@gwrr.com

with a copy to:

Mr. Joe Bolzenius
Patrick Engineering, Inc.
3650 Olentangy River Road, Suite 110
Columbus, OH. 43214
Phone: 614-498-0339
email: jbolzenius@patrickco.com

11. Contractor will comply with the attached Genesee & Wyoming Inc. Contractor Safety Rules.

End of Special Clauses

BID PROPOSAL
HOC-43, FAI-33A-7.125
BRIDGE REPAIR PROJECT

TO THE COUNTY OF FAIRFIELD:

After careful examination of the plans, specifications, form of contract, and site of the proposed work, the undersigned hereby proposes and agrees, if this proposal be accepted, to enter into a contract using the form of contract provided for, to furnish all equipment, labor, materials, and construction necessary to complete the said work in accordance with the terms and conditions specified and to furnish a satisfactory bond in the amount of one hundred percent (100%) of the total amount of the contract, conditioned as and in form prescribed by law as a guarantee for the faithful performance of the contract for the following prices as described and the work described in this proposal.

Project Description: HOC-43, FAI-33A-7.125 Bridge Repair Project

Date Set for Completion: PHASE 1: The Contractor will have 40 calendar days to complete all work on and under the west bridge, except Item 514 pay items, starting the day the bridge is closed to traffic. This is considered the 1st interim completion date.

PHASE 2: The Contractor will have 40 calendar days to complete all work on and under the east bridge, except Item 514 pay items, starting the day the bridge is closed to traffic. This is considered the 2nd interim completion date.

PHASE 3: The Contractor will have 60 calendar days to complete all work not finished. This is considered the final completion date. This date must be no later than October 12, 2018.

Time Limits: All construction activities must not extend past the above mentioned completion date.

All labor, materials, and procedures to be in accordance with the ODOT Construction and Material Specifications Book as specified in the General Specifications document included with this contract, and the Road and Bridge Standard Drawings from the Ohio Department of Transportation for all details except as noted in the plans.

FAIRFIELD COUNTY ENGINEER'S OFFICE

HOC-43, FAI-33A-7.125

BRIDGE REPAIR PROJECT

REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	UNIT PRICE TOTAL (D)	TOTAL COST (AXD)=(E) (E)
1	516	18	EA	ELASTOMERIC BEARING W/INTERNAL LAMINATES & LOADPLATE (NEOPRENE) AS PER PLAN 10"X1'-4-1/2"X2-1/4" PTFE ABUTMENTS		
2	516	18	EA	ELASTOMERIC BEARING W/INTERNAL LAMINATES & LOADPLATE (NEOPRENE) AS PER PLAN 1'-4"X1'-6"X5" EXPANSION, PIERS		
3	516	1	LUMP	JACKING & TEMPORARY SUPPORT OF SUPERSTRUCTURE AS PER PLAN		
4	519	90	SQ FT	PATCHING CONCRETE STRUCTURES, AS PER PLAN, ABUTMENTS		
5	519	35	SQ FT	PATCHING CONCRETE STRUCTURES, AS PER PLAN, ABUTMENT SEATS		
6	519	10	SQ FT	PATCHING CONCRETE STRUCTURES, AS PER PLAN, PIERS		
7	519	2	SQ FT	PATCHING CONCRETE STRUCTURES, AS PER PLAN, PIER SEATS		
8	519	10	SQ FT	PATCHING CONCRETE STRUCTURES, AS PER PLAN, DECK TOP		
9	503	2	CU YD	UNCLASSIFIED EXCAVATION		
10	202	11	CU YD	PORTIONS OF STRUCTURE REMOVED, SUPERSTRUCTURE		
11	202	9	CU YD	PORTIONS OF STRUCTURE REMOVED, ABUTMENTS APPROACH SLAB		
12	202	40	LF	CONCRETE PARAPET REMOVED		
13	509	160	POUND	EPOXY COATED REINFORCING		
14	511	11	CU YD	CLASS QC2 CONCRETE, AS PER PLAN, SUPERSTRUCTURE		
15	511	9	CU YD	CLASS QC2 CONCRETE, AS PER PLAN, ABUTMENTS & APPROACH SLAB		
16	516	159	LF	STRUCTURAL STEEL EXPANSION JOINTS		
17	516	142	LF	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL, APPROACH SLAB		
18	516	20	SQ FT	1/2" PREFORMED EXPANSION JOINT FILLER		
19	622	40	LF	CONCRETE BARRIER		
20	516	20	LF	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL, PARAPET WALL		
21	512	2,875	SQ YDS	SEALING OF CONCRETE SURFACES (NON-EPOXY)		
22	514	24,505	SQ FT	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL		
23	514	24,505	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT		
24	514	24,505	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, INTERMEDIATE COAT		
25	514	24,505	SQ FT	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, FINISH COAT		

**FAIRFIELD COUNTY ENGINEER'S OFFICE
HOC-43, FAI-33A-7.125
BRIDGE REPAIR PROJECT**

REF. NO.	ITEM NO.	ESTIMATED QUANTITY (A)	UNIT	DESCRIPTION	<u>UNIT PRICE</u> <u>TOTAL</u> (D)	<u>TOTAL</u> <u>COST</u> (AXD)=(E) (E)
26	514	49	HOURS	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL		
27	514	2	EA	FINAL INSPECTION REPAIR		
28	614	1	LUMP	MAINTAINING TRAFFIC		
29	624	1	LUMP	MOBILIZATION		

TOTAL AMOUNT OF BID: \$ _____

Company Name: _____

(Signature): _____

Address: _____

(Printed): _____

Title: _____

Phone: _____

E-Mail: _____

Fax: _____

Date: _____