



Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia Purchase Order

Order Date: 08-18-2021

CORRECT ORDER NUMBER MUST APPEAR
ON ALL PACKAGES, INVOICES, AND
SHIPPING PAPERS. QUESTIONS
CONCERNING THIS ORDER SHOULD BE
DIRECTED TO THE DEPARTMENT
CONTACT.

Order Number:	CPO 0804 0804 RMA2200000001 1	Procurement Folder:	909507
Document Name:	Railroad Weathered Steel Super Structure Unit	Reason for Modification:	
Document Description:	Railroad Weathered Steel Super Structure Unit		
Procurement Type:	Central Purchase Order		
Buyer Name:	Toby L Welch		
Telephone:	(304) 558-8802		
Email:	toby.l.welch@wv.gov		
Shipping Method:	Best Way	Effective Start Date:	
Free on Board:	FOB Dest, Freight Prepaid	Effective End Date:	

VENDOR	DEPARTMENT CONTACT																				
Vendor Customer Code: 000000161669 ADVANTAGE STEEL & CONSTRUCTION LLC 2300 S NOAH DR SAXONBURG PA 16056 US Vendor Contact Phone: 724-352-4842 Extension: Discount Details: <table><thead><tr><th></th><th>Discount Allowed</th><th>Discount Percentage</th><th>Discount Days</th></tr></thead><tbody><tr><td>#1</td><td>No</td><td>0.0000</td><td>0</td></tr><tr><td>#2</td><td>Not Entered</td><td></td><td></td></tr><tr><td>#3</td><td>Not Entered</td><td></td><td></td></tr><tr><td>#4</td><td>Not Entered</td><td></td><td></td></tr></tbody></table>		Discount Allowed	Discount Percentage	Discount Days	#1	No	0.0000	0	#2	Not Entered			#3	Not Entered			#4	Not Entered			Requestor Name: Lucinda K Butler Requestor Phone: (304) 538-2305 Requestor Email: cindy.k.butler@wv.gov 22 FILE LOCATION _____
	Discount Allowed	Discount Percentage	Discount Days																		
#1	No	0.0000	0																		
#2	Not Entered																				
#3	Not Entered																				
#4	Not Entered																				

INVOICE TO	SHIP TO
STATE RAIL AUTHORITY 120 WATER PLANT DR MOOREFIELD WV 26836 US	STATE RAIL AUTHORITY (DBA) SOUTH BRANCH VALLEY RAILROAD 120 WATER PLANT DR MOOREFIELD WV 26836 US

Purchasing Division's File Copy

Total Order Amount: \$659,900.00

ENTERED

PURCHASING DIVISION AUTHORIZATION DATE: <i>Linda Harper 8/19/21</i> ELECTRONIC SIGNATURE ON FILE	ATTORNEY GENERAL APPROVAL AS TO FORM DATE: <i>8/23/21</i> ELECTRONIC SIGNATURE ON FILE	ENCUMBRANCE CERTIFICATION DATE: <i>Beverly Toler 8-23-21</i> ELECTRONIC SIGNATURE ON FILE
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Extended Description:

One Time Construction Purchase:

Railroad Weathered Steel Superstructure Unit

The Vendor, Advantage Steel & Construction, LLC. of Saxonburg PA., agrees to enter with the Agency, the West Virginia State Rail Authority, into a one-time purchase to provide a Railroad Weathered Steel Super Structure Unit for the Trout Run Bridge per the specifications, terms and conditions, bid requirements, Addendum No.01 issued 08/02/2021, Addendum No. 02 issued 08/06/21 and the Vendor's bid dated 08/12/2021, all incorporated herein by reference, and made a part of hereof.

Line	Commodity Code	Quantity	Unit	Unit Price	Total Price
1	95121601	1.00000	LS	659900.000000	659900.00
Service From	Service To	Manufacturer	Model No		

Commodity Line Description: Railroad Weathered Steel Super Structure UNIT

Extended Description:

Railroad Weathered Steel Superstructure Unit for Trout Run Bridge:

Bid must meet or exceed the requirements listed on Exhibit B and must include all shipping costs. Enter a Lump Sum amount for all materials and related costs.

	Document Phase	Document Description	Page 3
RMA2200000001	Draft	Railroad Weathered Steel Super Structure Unit	

ADDITIONAL TERMS AND CONDITIONS

See attached document(s) for additional Terms and Conditions

GENERAL TERMS AND CONDITIONS:

1. CONTRACTUAL AGREEMENT: Issuance of an Award Document signed by the Purchasing Division Director, or his designee, and approved as to form by the Attorney General's office constitutes acceptance by the State of this Contract made by and between the State of West Virginia and the Vendor. Vendor's signature on its bid, or on the Contract if the Contract is not the result of a bid solicitation, signifies Vendor's agreement to be bound by and accept the terms and conditions contained in this Contract.

2. DEFINITIONS: As used in this Solicitation/Contract, the following terms shall have the meanings attributed to them below. Additional definitions may be found in the specifications included with this Solicitation/Contract.

2.1. "Agency" or "Agencies" means the agency, board, commission, or other entity of the State of West Virginia that is identified on the first page of the Solicitation or any other public entity seeking to procure goods or services under this Contract.

2.2. "Bid" or "Proposal" means the vendors submitted response to this solicitation.

2.3. "Contract" means the binding agreement that is entered into between the State and the Vendor to provide the goods or services requested in the Solicitation.

2.4. "Director" means the Director of the West Virginia Department of Administration, Purchasing Division.

2.5. "Purchasing Division" means the West Virginia Department of Administration, Purchasing Division.

2.6. "Award Document" means the document signed by the Agency and the Purchasing Division, and approved as to form by the Attorney General, that identifies the Vendor as the contract holder.

2.7. "Solicitation" means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

2.8. "State" means the State of West Virginia and/or any of its agencies, commissions, boards, etc. as context requires.

2.9. "Vendor" or "Vendors" means any entity submitting a bid in response to the Solicitation, the entity that has been selected as the lowest responsible bidder, or the entity that has been awarded the Contract as context requires.

3. CONTRACT TERM; RENEWAL; EXTENSION: The term of this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below:

☐ **Term Contract**

Initial Contract Term: This Contract becomes effective on _____ and the initial contract term extends until _____.

Renewal Term: This Contract may be renewed upon the mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any request for renewal should be delivered to the Agency and then submitted to the Purchasing Division thirty (30) days prior to the expiration date of the initial contract term or appropriate renewal term. A Contract renewal shall be in accordance with the terms and conditions of the original contract. Unless otherwise specified below, renewal of this Contract is limited to _____ successive one (1) year periods or multiple renewal periods of less than one year, provided that the multiple renewal periods do not exceed the total number of months available in all renewal years combined. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

☐ **Alternate Renewal Term** – This contract may be renewed for _____ successive _____ year periods or shorter periods provided that they do not exceed the total number of months contained in all available renewals. Automatic renewal of this Contract is prohibited. Renewals must be approved by the Vendor, Agency, Purchasing Division and Attorney General's office (Attorney General approval is as to form only)

Delivery Order Limitations: In the event that this contract permits delivery orders, a delivery order may only be issued during the time this Contract is in effect. Any delivery order issued within one year of the expiration of this Contract shall be effective for one year from the date the delivery order is issued. No delivery order may be extended beyond one year after this Contract has expired.

☐ **Fixed Period Contract:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and must be completed within _____ days.

☐ **Fixed Period Contract with Renewals:** This Contract becomes effective upon Vendor's receipt of the notice to proceed and part of the Contract more fully described in the attached specifications must be completed within _____ days. Upon completion of the work covered by the preceding sentence, the vendor agrees that maintenance, monitoring, or warranty services will be provided for _____ year(s) thereafter.

☒ **One Time Purchase:** The term of this Contract shall run from the issuance of the Award Document until all of the goods contracted for have been delivered, but in no event will this Contract extend for more than one fiscal year.

☐ **Other:** See attached _____
Revised 07/01/2021

4. AUTHORITY TO PROCEED: Vendor is authorized to begin performance of this contract on the date of encumbrance listed on the front page of the Award Document unless either the box for "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked in Section 3 above. If either "Fixed Period Contract" or "Fixed Period Contract with Renewals" has been checked, Vendor must not begin work until it receives a separate notice to proceed from the State. The notice to proceed will then be incorporated into the Contract via change order to memorialize the official date that work commenced.

5. QUANTITIES: The quantities required under this Contract shall be determined in accordance with the category that has been identified as applicable to this Contract below.

☐ **Open End Contract:** Quantities listed in this Solicitation/Award Document are approximations only, based on estimates supplied by the Agency. It is understood and agreed that the Contract shall cover the quantities actually ordered for delivery during the term of the Contract, whether more or less than the quantities shown.

☐ **Service:** The scope of the service to be provided will be more clearly defined in the specifications included herewith.

☐ **Combined Service and Goods:** The scope of the service and deliverable goods to be provided will be more clearly defined in the specifications included herewith.

☒ **One Time Purchase:** This Contract is for the purchase of a set quantity of goods that are identified in the specifications included herewith. Once those items have been delivered, no additional goods may be procured under this Contract without an appropriate change order approved by the Vendor, Agency, Purchasing Division, and Attorney General's office.

6. EMERGENCY PURCHASES: The Purchasing Division Director may authorize the Agency to purchase goods or services in the open market that Vendor would otherwise provide under this Contract if those goods or services are for immediate or expedited delivery in an emergency. Emergencies shall include, but are not limited to, delays in transportation or an unanticipated increase in the volume of work. An emergency purchase in the open market, approved by the Purchasing Division Director, shall not constitute a breach of this Contract and shall not entitle the Vendor to any form of compensation or damages. This provision does not excuse the State from fulfilling its obligations under a One Time Purchase contract.

7. REQUIRED DOCUMENTS: All of the items checked below must be provided to the Purchasing Division by the Vendor as specified below.

☐ **BID BOND (Construction Only):** Pursuant to the requirements contained in W. Va. Code § 5-22-1(c), All Vendors submitting a bid on a construction project shall furnish a valid bid bond in the amount of five percent (5%) of the total amount of the bid protecting the State of West Virginia. The bid bond must be submitted with the bid.

☐ **PERFORMANCE BOND:** The apparent successful Vendor shall provide a performance bond in the amount of 100% of the contract. The performance bond must be received by the Purchasing Division prior to Contract award.

☐ **LABOR/MATERIAL PAYMENT BOND:** The apparent successful Vendor shall provide a labor/material payment bond in the amount of 100% of the Contract value. The labor/material payment bond must be delivered to the Purchasing Division prior to Contract award.

In lieu of the Bid Bond, Performance Bond, and Labor/Material Payment Bond, the Vendor may provide certified checks, cashier's checks, or irrevocable letters of credit. Any certified check, cashier's check, or irrevocable letter of credit provided in lieu of a bond must be of the same amount and delivered on the same schedule as the bond it replaces. A letter of credit submitted in lieu of a performance and labor/material payment bond will only be allowed for projects under \$100,000. Personal or business checks are not acceptable. Notwithstanding the foregoing, West Virginia Code § 5-22-1 (d) mandates that a vendor provide a performance and labor/material payment bond for construction projects. Accordingly, substitutions for the performance and labor/material payment bonds for construction projects is not permitted.

☐ **MAINTENANCE BOND:** The apparent successful Vendor shall provide a two (2) year maintenance bond covering the roofing system. The maintenance bond must be issued and delivered to the Purchasing Division prior to Contract award.

☐ **LICENSE(S) / CERTIFICATIONS / PERMITS:** In addition to anything required under the Section of the General Terms and Conditions entitled Licensing, the apparent successful Vendor shall furnish proof of the following licenses, certifications, and/or permits upon request and in a form acceptable to the State. The request may be prior to or after contract award at the State's sole discretion.

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The apparent successful Vendor shall also furnish proof of any additional licenses or certifications contained in the specifications regardless of whether or not that requirement is listed above.

8. INSURANCE: The apparent successful Vendor shall furnish proof of the insurance identified by a checkmark below and must include the State as an additional insured on each policy prior to Contract award. The insurance coverages identified below must be maintained throughout the life of this contract. Thirty (30) days prior to the expiration of the insurance policies, Vendor shall provide the Agency with proof that the insurance mandated herein has been continued. Vendor must also provide Agency with immediate notice of any changes in its insurance policies, including but not limited to, policy cancellation, policy reduction, or change in insurers. The apparent successful Vendor shall also furnish proof of any additional insurance requirements contained in the specifications prior to Contract award regardless of whether that insurance requirement is listed in this section.

Vendor must maintain:

☒ **Commercial General Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.

☒ **Automobile Liability Insurance** in at least an amount of: \$1,000,000.00 per occurrence.

☐ **Professional/Malpractice/Errors and Omission Insurance** in at least an amount of: _____ per occurrence. Notwithstanding the forgoing, Vendor's are not required to list the State as an additional insured for this type of policy.

☐ **Commercial Crime and Third Party Fidelity Insurance** in an amount of: _____ per occurrence.

☐ **Cyber Liability Insurance** in an amount of: _____ per occurrence.

☐ **Builders Risk Insurance** in an amount equal to 100% of the amount of the Contract.

☐ **Pollution Insurance** in an amount of: _____ per occurrence.

☐ **Aircraft Liability** in an amount of: _____ per occurrence.

☐☐☐☐

Notwithstanding anything contained in this section to the contrary, the Director of the Purchasing Division reserves the right to waive the requirement that the State be named as an additional insured on one or more of the Vendor's insurance policies if the Director finds that doing so is in the State's best interest.

9. WORKERS' COMPENSATION INSURANCE: Vendor shall comply with laws relating to workers compensation, shall maintain workers' compensation insurance when required, and shall furnish proof of workers' compensation insurance upon request.

10. [Reserved]

11. LIQUIDATED DAMAGES: This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue any other available remedy. Vendor shall pay liquidated damages in the amount specified below or as described in the specifications:

☒ n/a _____ for n/a _____.

☐ Liquidated Damages Contained in the Specifications.

☒ Liquidated Damages Are Not Included in this Contract.

12. ACCEPTANCE: Vendor's signature on its bid, or on the certification and signature page, constitutes an offer to the State that cannot be unilaterally withdrawn, signifies that the product or service proposed by vendor meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise indicated, and signifies acceptance of the terms and conditions contained in the Solicitation unless otherwise indicated.

13. PRICING: The pricing set forth herein is firm for the life of the Contract, unless specified elsewhere within this Solicitation/Contract by the State. A Vendor's inclusion of price adjustment provisions in its bid, without an express authorization from the State in the Solicitation to do so, may result in bid disqualification. Notwithstanding the foregoing, Vendor must extend any publicly advertised sale price to the State and invoice at the lower of the contract price or the publicly advertised sale price.

14. PAYMENT IN ARREARS: Payments for goods/services will be made in arrears only upon receipt of a proper invoice, detailing the goods/services provided or receipt of the goods/services, whichever is later. Notwithstanding the foregoing, payments for software maintenance, licenses, or subscriptions may be paid annually in advance.

15. PAYMENT METHODS: Vendor must accept payment by electronic funds transfer and P-Card. (The State of West Virginia's Purchasing Card program, administered under contract by a banking institution, processes payment for goods and services through state designated credit cards.)

16. TAXES: The Vendor shall pay any applicable sales, use, personal property or any other taxes arising out of this Contract and the transactions contemplated thereby. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.

17. ADDITIONAL FEES: Vendor is not permitted to charge additional fees or assess additional charges that were not either expressly provided for in the solicitation published by the State of West Virginia, included in the Contract, or included in the unit price or lump sum bid amount that Vendor is required by the solicitation to provide. Including such fees or charges as notes to the solicitation may result in rejection of vendor's bid. Requesting such fees or charges be paid after the contract has been awarded may result in cancellation of the contract.

18. FUNDING: This Contract shall continue for the term stated herein, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise made available, this Contract becomes void and of no effect beginning on July 1 of the fiscal year for which funding has not been appropriated or otherwise made available. If that occurs, the State may notify the Vendor that an alternative source of funding has been obtained and thereby avoid the automatic termination. Non-appropriation or non-funding shall not be considered an event of default.

19. CANCELLATION: The Purchasing Division Director reserves the right to cancel this Contract immediately upon written notice to the vendor if the materials or workmanship supplied do not conform to the specifications contained in the Contract. The Purchasing Division Director may also cancel any purchase or Contract upon 30 days written notice to the Vendor in accordance with West Virginia Code of State Rules § 148-1-5.2.b.

20. TIME: Time is of the essence regarding all matters of time and performance in this Contract.

21. APPLICABLE LAW: This Contract is governed by and interpreted under West Virginia law without giving effect to its choice of law principles. Any information provided in specification manuals, or any other source, verbal or written, which contradicts or violates the West Virginia Constitution, West Virginia Code, or West Virginia Code of State Rules is void and of no effect.

22. COMPLIANCE WITH LAWS: Vendor shall comply with all applicable federal, state, and local laws, regulations and ordinances. By submitting a bid, Vendor acknowledges that it has reviewed, understands, and will comply with all applicable laws, regulations, and ordinances.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to comply with all applicable laws, regulations, and ordinances. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

23. ARBITRATION: Any references made to arbitration contained in this Contract, Vendor's bid, or in any American Institute of Architects documents pertaining to this Contract are hereby deleted, void, and of no effect.

24. MODIFICATIONS: This writing is the parties' final expression of intent. Notwithstanding anything contained in this Contract to the contrary no modification of this Contract shall be binding without mutual written consent of the Agency, and the Vendor, with approval of the Purchasing Division and the Attorney General's office (Attorney General approval is as to form only). Any change to existing contracts that adds work or changes contract cost, and were not included in the original contract, must be approved by the Purchasing Division and the Attorney General's Office (as to form) prior to the implementation of the change or commencement of work affected by the change.

25. WAIVER: The failure of either party to insist upon a strict performance of any of the terms or provision of this Contract, or to exercise any option, right, or remedy herein contained, shall not be construed as a waiver or a relinquishment for the future of such term, provision, option, right, or remedy, but the same shall continue in full force and effect. Any waiver must be expressly stated in writing and signed by the waiving party.

26. SUBSEQUENT FORMS: The terms and conditions contained in this Contract shall supersede any and all subsequent terms and conditions which may appear on any form documents submitted by Vendor to the Agency or Purchasing Division such as price lists, order forms, invoices, sales agreements, or maintenance agreements, and includes internet websites or other electronic documents. Acceptance or use of Vendor's forms does not constitute acceptance of the terms and conditions contained thereon.

27. ASSIGNMENT: Neither this Contract nor any monies due, or to become due hereunder, may be assigned by the Vendor without the express written consent of the Agency, the Purchasing Division, the Attorney General's office (as to form only), and any other government agency or office that may be required to approve such assignments.

28. WARRANTY: The Vendor expressly warrants that the goods and/or services covered by this Contract will: (a) conform to the specifications, drawings, samples, or other description furnished or specified by the Agency; (b) be merchantable and fit for the purpose intended; and (c) be free from defect in material and workmanship.

29. STATE EMPLOYEES: State employees are not permitted to utilize this Contract for personal use and the Vendor is prohibited from permitting or facilitating the same.

30. PRIVACY, SECURITY, AND CONFIDENTIALITY: The Vendor agrees that it will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the Agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the Agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/default.html>.

31. YOUR SUBMISSION IS A PUBLIC DOCUMENT: Vendor's entire response to the Solicitation and the resulting Contract are public documents. As public documents, they will be disclosed to the public following the bid/proposal opening or award of the contract, as required by the competitive bidding laws of West Virginia Code §§ 5A-3-1 et seq., 5-22-1 et seq., and 5G-1-1 et seq. and the Freedom of Information Act West Virginia Code §§ 29B-1-1 et seq.

DO NOT SUBMIT MATERIAL YOU CONSIDER TO BE CONFIDENTIAL, A TRADE SECRET, OR OTHERWISE NOT SUBJECT TO PUBLIC DISCLOSURE.

Submission of any bid, proposal, or other document to the Purchasing Division constitutes your explicit consent to the subsequent public disclosure of the bid, proposal, or document. The Purchasing Division will disclose any document labeled "confidential," "proprietary," "trade secret," "private," or labeled with any other claim against public disclosure of the documents, to include any "trade secrets" as defined by West Virginia Code § 47-22-1 et seq. All submissions are subject to public disclosure without notice.

32. LICENSING: In accordance with West Virginia Code of State Rules § 148-1-6.1.e, Vendor must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agency or political subdivision. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Upon request, the Vendor must provide all necessary releases to obtain information to enable the Purchasing Division Director or the Agency to verify that the Vendor is licensed and in good standing with the above entities.

SUBCONTRACTOR COMPLIANCE: Vendor shall notify all subcontractors providing commodities or services related to this Contract that as subcontractors, they too are required to be licensed, in good standing, and up-to-date on all state and local obligations as described in this section. Obligations related to political subdivisions may include, but are not limited to, business licensing, business and occupation taxes, inspection compliance, permitting, etc. Notification under this provision must occur prior to the performance of any work under the contract by the subcontractor.

33. ANTITRUST: In submitting a bid to, signing a contract with, or accepting a Award Document from any agency of the State of West Virginia, the Vendor agrees to convey, sell, assign, or transfer to the State of West Virginia all rights, title, and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to Vendor.

34. VENDOR CERTIFICATIONS: By signing its bid or entering into this Contract, Vendor certifies (1) that its bid or offer was made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, person or entity submitting a bid or offer for the same material, supplies, equipment or services; (2) that its bid or offer is in all respects fair and without collusion or fraud; (3) that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; and (4) that it has reviewed this Solicitation in its entirety; understands the requirements, terms and conditions, and other information contained herein.

Vendor's signature on its bid or offer also affirms that neither it nor its representatives have any interest, nor shall acquire any interest, direct or indirect, which would compromise the performance of its services hereunder. Any such interests shall be promptly presented in detail to the Agency. The individual signing this bid or offer on behalf of Vendor certifies that he or she is authorized by the Vendor to execute this bid or offer or any documents related thereto on Vendor's behalf; that he or she is authorized to bind the Vendor in a contractual relationship; and that, to the best of his or her knowledge, the Vendor has properly registered with any State agency that may require registration.

35. VENDOR RELATIONSHIP: The relationship of the Vendor to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by this Contract. The Vendor as an independent contractor is solely liable for the acts and omissions of its employees and agents. Vendor shall be responsible for selecting, supervising, and compensating any and all individuals employed pursuant to the terms of this Solicitation and resulting contract. Neither the Vendor, nor any employees or subcontractors of the Vendor, shall be deemed to be employees of the State for any purpose whatsoever. Vendor shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension, or other deferred compensation plans, including but not limited to, Workers' Compensation and Social Security obligations, licensing fees, etc. and the filing of all necessary documents, forms, and returns pertinent to all of the foregoing.

Vendor shall hold harmless the State, and shall provide the State and Agency with a defense against any and all claims including, but not limited to, the foregoing payments, withholdings, contributions, taxes, Social Security taxes, and employer income tax returns.

36. INDEMNIFICATION: The Vendor agrees to indemnify, defend, and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person, or firm performing or supplying services, materials, or supplies in connection with the performance of the Contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the Vendor, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use, or disposition of any data used under the Contract in a manner not authorized by the Contract, or by Federal or State statutes or regulations; and (3) Any failure of the Vendor, its officers, employees, or subcontractors to observe State and Federal laws including, but not limited to, labor and wage and hour laws.

37. PURCHASING AFFIDAVIT: In accordance with West Virginia Code §§ 5A-3-10a and 5-22-1(i), the State is prohibited from awarding a contract to any bidder that owes a debt to the State or a political subdivision of the State, Vendors are required to sign, notarize, and submit the Purchasing Affidavit to the Purchasing Division affirming under oath that it is not in default on any monetary obligation owed to the state or a political subdivision of the state.

38. CONFLICT OF INTEREST: Vendor, its officers or members or employees, shall not presently have or acquire an interest, direct or indirect, which would conflict with or compromise the performance of its obligations hereunder. Vendor shall periodically inquire of its officers, members and employees to ensure that a conflict of interest does not arise. Any conflict of interest discovered shall be promptly presented in detail to the Agency.

39. REPORTS: Vendor shall provide the Agency and/or the Purchasing Division with the following reports identified by a checked box below:

☒ Such reports as the Agency and/or the Purchasing Division may request. Requested reports may include, but are not limited to, quantities purchased, agencies utilizing the contract, total contract expenditures by agency, etc.

☐ Quarterly reports detailing the total quantity of purchases in units and dollars, along with a listing of purchases by agency. Quarterly reports should be delivered to the Purchasing Division via email at purchasing.division@wv.gov.

40. BACKGROUND CHECK: In accordance with W. Va. Code § 15-2D-3, the State reserves the right to prohibit a service provider's employees from accessing sensitive or critical information or to be present at the Capitol complex based upon results addressed from a criminal background check. Service providers should contact the West Virginia Division of Protective Services by phone at (304) 558-9911 for more information.

41. PREFERENCE FOR USE OF DOMESTIC STEEL PRODUCTS: Except when authorized by the Director of the Purchasing Division pursuant to W. Va. Code § 5A-3-56, no contractor may use or supply steel products for a State Contract Project other than those steel products made in the United States. A contractor who uses steel products in violation of this section may be subject to civil penalties pursuant to W. Va. Code § 5A-3-56. As used in this section:

- a. "State Contract Project" means any erection or construction of, or any addition to, alteration of or other improvement to any building or structure, including, but not limited to, roads or highways, or the installation of any heating or cooling or ventilating plants or other equipment, or the supply of and materials for such projects, pursuant to a contract with the State of West Virginia for which bids were solicited on or after June 6, 2001.
- b. "Steel Products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated or otherwise similarly processed, or processed by a combination of two or more or such operations, from steel made by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.
- c. The Purchasing Division Director may, in writing, authorize the use of foreign steel products if:

1. The cost for each contract item used does not exceed one tenth of one percent (.1%) of the total contract cost or two thousand five hundred dollars (\$2,500.00), whichever is greater. For the purposes of this section, the cost is the value of the steel product as delivered to the project; or
2. The Director of the Purchasing Division determines that specified steel materials are not produced in the United States in sufficient quantity or otherwise are not reasonably available to meet contract requirements.

42. PREFERENCE FOR USE OF DOMESTIC ALUMINUM, GLASS, AND STEEL: In Accordance with W. Va. Code § 5-19-1 et seq., and W. Va. CSR § 148-10-1 et seq., for every contract or subcontract, subject to the limitations contained herein, for the construction, reconstruction, alteration, repair, improvement or maintenance of public works or for the purchase of any item of machinery or equipment to be used at sites of public works, only domestic aluminum, glass or steel products shall be supplied unless the spending officer determines, in writing, after the receipt of offers or bids, (1) that the cost of domestic aluminum, glass or steel products is unreasonable or inconsistent with the public interest of the State of West Virginia, (2) that domestic aluminum, glass or steel products are not produced in sufficient quantities to meet the contract requirements, or (3) the available domestic aluminum, glass, or steel do not meet the contract specifications. This provision only applies to public works contracts awarded in an amount more than fifty thousand dollars (\$50,000) or public works contracts that require more than ten thousand pounds of steel products.

The cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than twenty percent (20%) of the bid or offered price for foreign made aluminum, glass, or steel products. If the domestic aluminum, glass or steel products to be supplied or produced in a "substantial labor surplus area", as defined by the United States Department of Labor, the cost of domestic aluminum, glass, or steel products may be unreasonable if the cost is more than thirty percent (30%) of the bid or offered price for foreign made aluminum, glass, or steel products. This preference shall be applied to an item of machinery or equipment, as indicated above, when the item is a single unit of equipment or machinery manufactured primarily of aluminum, glass or steel, is part of a public works contract and has the sole purpose or of being a permanent part of a single public works project. This provision does not apply to equipment or machinery purchased by a spending unit for use by that spending unit and not as part of a single public works project.


All bids and offers including domestic aluminum, glass or steel products that exceed bid or offer prices including foreign aluminum, glass or steel products after application of the preferences provided in this provision may be reduced to a price equal to or lower than the lowest bid or offer price for foreign aluminum, glass or steel products plus the applicable preference. If the reduced bid or offer prices are made in writing and supersede the prior bid or offer prices, all bids or offers, including the reduced bid or offer prices, will be reevaluated in accordance with this rule.

43. INTERESTED PARTY SUPPLEMENTAL DISCLOSURE: W. Va. Code § 6D-1-2 requires that for contracts with an actual or estimated value of at least \$1 million, the vendor must submit to the Agency a supplemental disclosure of interested parties reflecting any new or differing interested parties to the contract, which were not included in the original pre-award interested party disclosure, within 30 days following the completion or termination of the contract. A copy of that form is included with this solicitation or can be obtained from the WV Ethics Commission. This requirement does not apply to publicly traded companies listed on a national or international stock exchange. A more detailed definition of interested parties can be obtained from the form referenced above.

44. PROHIBITION AGAINST USED OR REFURBISHED: Unless expressly permitted in the solicitation published by the State, Vendor must provide new, unused commodities, and is prohibited from supplying used or refurbished commodities, in fulfilling its responsibilities under this Contract.

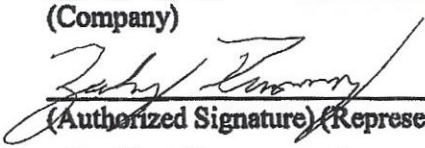
45. VOID CONTRACT CLAUSES – This Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.


General Manager
(Name, Title)
Zach Rosswog, General Manager
(Printed Name and Title)
2300 South Noah Drive Saxonburg, PA 16056
(Address)
724-352-4842 Fax - 724-352-4849
(Phone Number) / (Fax Number)
z_rosswog@advsteel.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Advantage Steel & Construction, LLC
(Company)

Zach Rosswog, General Manager
(Authorized Signature) (Representative Name, Title)
Zachary Rosswog, General Manager
(Printed Name and Title of Authorized Representative)
8/18/2021
(Date)
Phone - 724-352-4842 Fax - 724-352-4849
(Phone Number) (Fax Number)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: RMA2200000001

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:


(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Advantage Steel & Construction, LLC

Company



Authorized Signature

8/11/2021

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

Revised 6/8/2012

REQUEST FOR QUOTATION

Railroad Weather Steel Super Structure UNIT

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of West Virginia State Rail Authority to establish a contract for the one-time purchase of a Railroad steel super structure unit for Trout Run Bridge.

The environmental work and the footers were completed in house by DOH and SRA employees. This bid is for the super structure unit (materials only) to build the bridge. Work is to be completed by DOH and SRA staff.

2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.

2.1 **"Contract Item"** means railroad weathered structural steel unit as more fully described by these specifications and detailed in the attached exhibit.

2.2 **"Pricing Page"** means the pages, contained in wvOASIS, upon which Vendor should list its proposed price for the Contract Items.

2.3 **"Solicitation"** means the official notice of an opportunity to supply the State with goods or services that is published by the Purchasing Division.

3. **GENERAL REQUIREMENTS:**

- 3.1 **Mandatory Contract Item Requirements:** Contract Items must meet or exceed the mandatory requirements listed below and included in Exhibit B.

- 3.1.1 **Railroad Steel Super Structure Unit (Weathered Structural Steel)**

- 3.1.1.1 Weathered structural steel must be in accordance with the 2019 Edition of the American Railway Engineering and Maintenance of Way Association (AREMA) and the West Virginia Division of Highways Standard Specifications Roads and Bridge, adopted 2017 and the current Supplemental Specifications (<http://www.transportation.wv.gov/highways/engineering/Pages/publications.aspx>).

REQUEST FOR QUOTATION

Railroad Weather Steel Super Structure UNIT

3.1.1.2 The weathered structural steel shall in accordance with Charpy V Notch Requirements as relates to conformance to Non-Fracture-Critical, T, toughness testing and marking for Zone 2.

3.1.1.3 All Steel must be weathered Steel in accordance with Exhibit B specifications.

3.1.1.4 All materials shall meet specifications referred to in Exhibit B.

3.1.1.5 All Materials shall be delivered in accordance to Exhibit B requirements and specifications. Materials shall be delivered to the Cass Rail Yard : 12363 Cass Road, Cass, WV 24927

4. CONTRACT AWARD:

4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Page.

4.2 Pricing Page: Vendor should complete the Pricing Page by entering the unit cost electronically in wvOasis. This is one line lump sum for all material for the superstructure unit and submitted pricing **MUST** contain shipping costs. Vendor shall complete the Pricing Page in full as failure to complete the Pricing Page in its entirety may result in Vendor's bid being disqualified.

Vendor should type or electronically enter the information into the Pricing Page to prevent errors in the evaluation.

5. PAYMENT:

5.1 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia.

REQUEST FOR QUOTATION

Railroad Weather Steel Super Structure UNIT

6. DELIVERY AND RETURN:

- 6.1 Performance Form.** This form will officially notify the West Virginia Division of Purchasing and Vendor of unsatisfactory performance in the execution of this purchase order and the requirements herein. All Materials shall be delivered to the Cass Rail Yards: 12363 Cass Road, Cass, WV 24927
- 6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party.
- Any Agency seeking to obtain the Contract Items from a third party under this provision must first obtain approval of the Purchasing Division.
- 6.3 Delivery Payment/Risk of Loss:** Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.
- 6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.
- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

REQUEST FOR QUOTATION

Railroad Weather Steel Super Structure UNIT

7 VENDOR DEFAULT:

7.1 The following shall be considered a vendor default under this Contract.

7.1.1 Failure to provide Contract Items in accordance with the requirements contained herein.

7.1.2 Failure to comply with other specifications and requirements contained herein.

7.1.3 Failure to comply with any laws, rules, and ordinances applicable to the Contract Services provided under this Contract.

7.1.4 Failure to remedy deficient performance upon request.

7.2 The following remedies shall be available to Agency upon default.

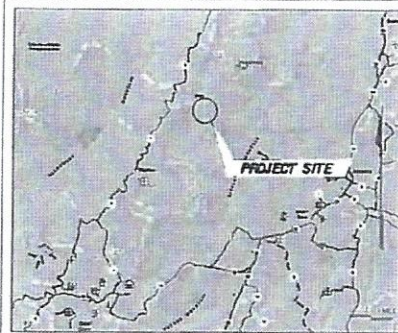
7.2.1 Immediate cancellation of the Contract.

7.2.2 Immediate cancellation of one or more release orders issued under this Contract.

7.2.3 Any other remedies available in law or equity.

EXHIBIT B

Weathered Steel Superstructure Unit



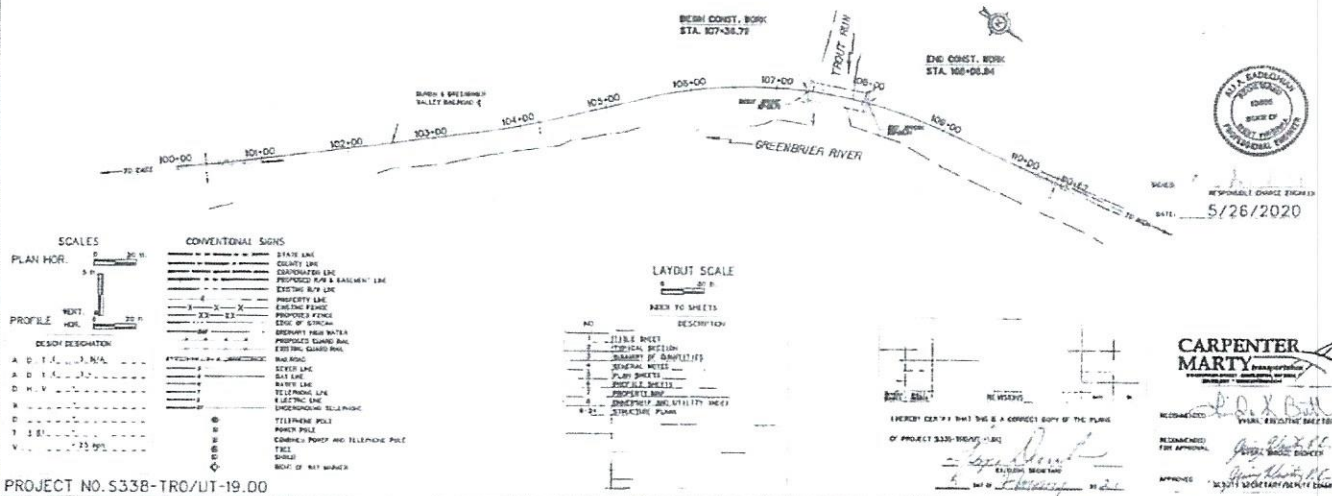
UTILITIES ENCOUNTERED
MON POWER/FIRST ENERGY (ELECTRIC)

WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
STATE RAIL AUTHORITY
PLANS FOR CONSTRUCTION
OF
STATE RAILROAD BRIDGE
FEDERAL PROJECT NO. N/A
STATE PROJECT NO. S33B-TRO/UT-19.00 00
GREENBANK DISTRICT
POCAHONTAS COUNTY
TROUT RUN BRIDGE

STATION	STATION	FEET	MILE 151
BRIDGE 107+34.75 TO 108+06.84		72.00	0.013
TOTAL PROJECT LENGTH		72.00	0.013



TYPE OF CONSTRUCTION
SUPERSTRUCTURE BRIDGE *B64



GENERAL NOTES

Sheet No.	Project No.	Section	Sub-section	Sheet No.	Project No.	Section	Sub-section	Sheet No.	Project No.	Section	Sub-section
81	0	100	100	300	100	100	100	400	100	100	100

GENERAL NOTES

ALL GENERAL NOTES APPLY TO BOTH ALTERNATIVES UNLESS OTHERWISE SPECIFIED.

GOVERNING SPECIFICATION

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS ROAD AND BRIDGE, ADOPTED 2007 AND THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS CONSTRUCTION SPECIFICATIONS, ADOPTED JANUARY 1, 2001, THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

STANDARD DETAILS VOLUME I AND VOLUME II

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS, STANDARD DETAILS BOOK, VOLUME I, DATED MAY, 2004 AND VOLUME II, DATED JANUARY 1, 2004 SHALL APPLY TO THIS PROJECT. REVISED STANDARD DETAILS CAN BE FOUND AT:

<http://www.transportation.virginia.gov/highways/construction/pages/Details.aspx>

COORDINATES

COORDINATES SHOWN ON THESE PLANS ARE IN WEST VIRGINIA STATE PLANE - SOUTH ZONE 4702 - NAD 83 - NAVD83 - GDA-07.

WORK TO BE PERFORMED

THE CONSTRUCTION CONTRACTOR IS RESPONSIBLE FOR THE FABRICATION, MOBILIZATION, ERECTION AND PAINTING OF THE SUPERSTRUCTURE BRIDGE AND SHALL NOT INCLUDE ANY SUBSTRUCTURE OR DRAINAGE DISTURBING ACTIVITIES OUTSIDE OF THE WORK.

IN-STREAM WORK

NO IN-STREAM WORK SHALL BE PERMITTED.

ELEVATIONS

ALL ELEVATIONS SHOWN REFER TO NAVD 83.

VERIFICATION OF DIMENSIONS

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL PLAN AND ELEVATION DIMENSIONS PRIOR TO COMMENCING CONSTRUCTION OF THE VARIOUS BRIDGE ITEMS.

CONTAMINANT FREE PAINTING OPERATIONS

CONTAMINANT LEVELS PER SHOP SHALL BE CLASS B USING ENVIRONMENTAL MONITORING METHODS. A, C, E, OR WITHIN 100 FEET OF THE PAINTING OPERATIONS OF THE STRUCTURAL STEEL SHALL BE CONTAMINANT AND PROTECTANT COMPOUND OF 10 ACCORDANCE WITH SECTION 600 AND 601 OF THE STANDARD SPECIFICATIONS. COST OF REMEDIATION WITH CONTAMINANT SHALL BE INCLUDED IN ITEM 4400000-000, FIELD PAINTING OF SHOP FOUNDED STEEL.

FINAL CLEAN UP

THE CONTRACTOR SHALL RESTORE IN AN ACCEPTABLE MANNER ALL PROPERTY, BOTH PUBLIC AND PRIVATE, WHICH HAS BEEN DAMAGED DURING THE EXECUTION OF WORK, AND SHALL LEAVE THE SITE IN A NEAT AND PRESENTABLE CONDITION. ALL WORK MUST MEET ENGINEER'S APPROVAL.

EQUIPMENT - NOISE ABATEMENT

THE CONTRACTOR SHALL BE REQUIRED TO USE QUIETEST EQUIPMENT ON CONSTRUCTION EQUIPMENT AT ALL TIMES ON THIS PROJECT.

SUPERSTRUCTURE NOTES

CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND CONFIRMING ALL DIMENSIONS INCLUDING CENTERLINE BEARING, DISTANCE, PERMANENT DIMENSIONS, SHIP DIMENSIONS, ETC. PRIOR TO ORDERING OR FABRICATING ANY STRUCTURAL STEEL AND IS REQUIRED TO PROVIDE THIS INFORMATION TO THE FABRICATOR FOR REVIEW NO LATER THAN 10 DAYS PRIOR TO PROCEEDING WITH ORDERING OR FABRICATION.

NO WORK BELOW ORDINARY HIGH WATER SHALL BE PERMITTED ON THIS PROJECT.

CONTRACTOR WILL BE RESPONSIBLE FOR LAYOUT AND INSTALLATION OF ALL ANCHOR BOLTS ON THE EXISTING ABUTMENTS. THIS WORK SHALL BE 80% INCIDENTAL TO THE SUPERSTRUCTURE OR ALTERNATIVE BRIDGE DESIGN ITEM.

CONTRACTOR WILL NOT BE RESPONSIBLE FOR BALLAST OR ANY OTHER RAILROAD FACILITIES ON THE SUPERSTRUCTURE. THIS WORK WILL BE COMPLETED BY OTHERS.

ALTERNATIVE BRIDGE DESIGN ONLY

A CONTRACTOR MAY BID THE BRIDGE AS PROPOSED OR CHOOSE TO DESIGN AN ALTERNATIVE BRIDGE. SHOULD THE CONTRACTOR PROPOSE AN ALTERNATIVE DESIGN, CONSTRUCTION MAY NOT COMMENCE UNTIL RELEASED FOR CONSTRUCTION PLANS HAVE BEEN APPROVED BY THE DCH PROJECT MANAGER.

B. SCOPE OF WORK

AREA OF WORK REQUIRED FOR THIS PROJECT WILL INCLUDE, BUT ARE NOT LIMITED TO THE FOLLOWING ITEMS:

1. FINAL BRIDGE PLANS
2. CONSTRUCTION
3. UTILITY COORDINATION IF NEEDED
4. PERMIT ACQUISITION IF NEEDED

C. DESIGN CRITERIA

STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF RAIL ASSOCIATION GUIDELINES (AREMA).

SP 127 ALTERNATIVE BRIDGE DESIGN SHALL APPLY.

Construction by Others
Provided for Reference Only

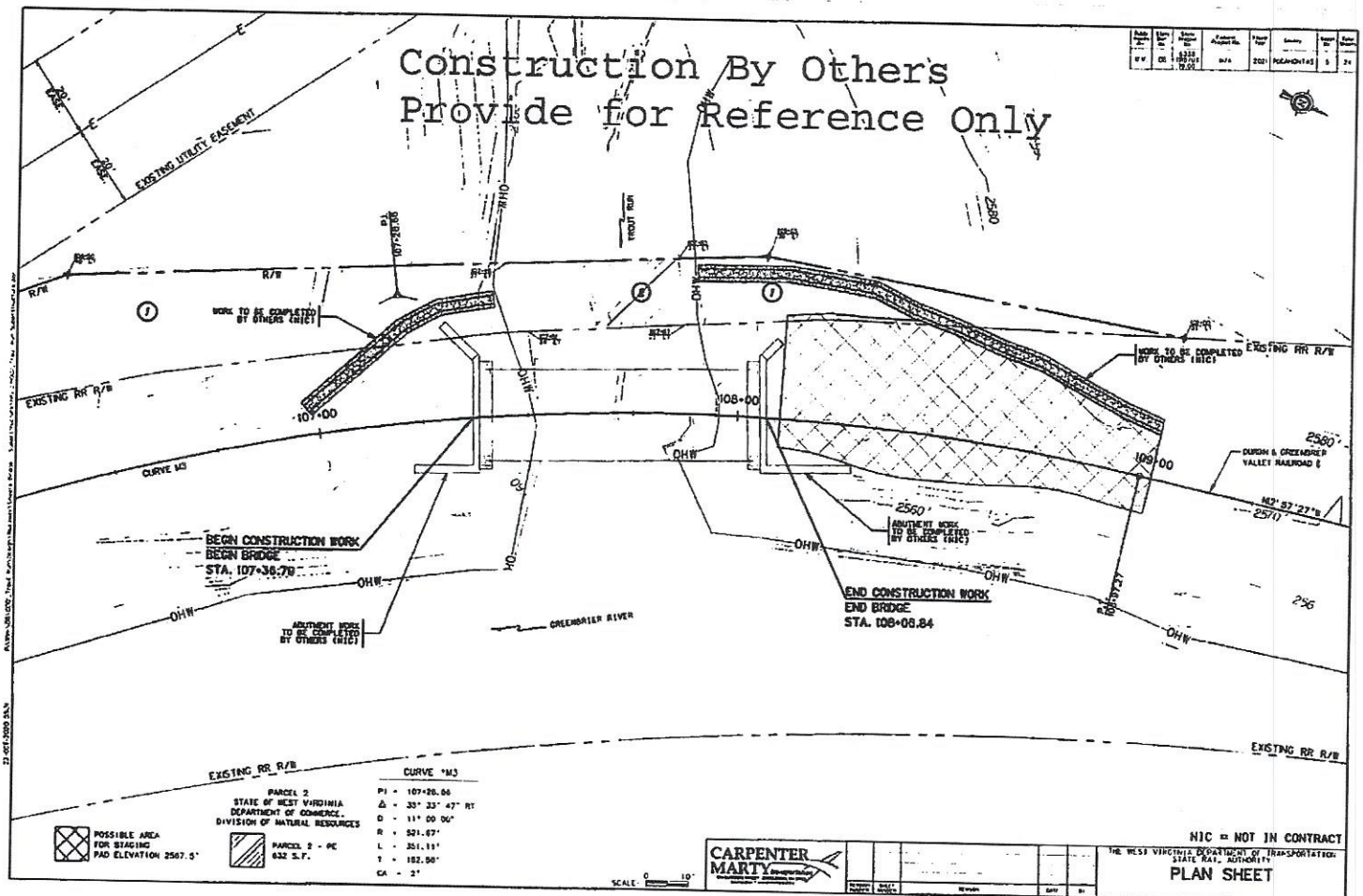
CARPENTER
MARTY

Project No.	Sheet No.	Section	Sub-section	Sheet No.	Project No.	Section	Sub-section	Sheet No.	Project No.	Section	Sub-section
81	0	100	100	300	100	100	100	400	100	100	100

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
STATE RAIL AUTHORITY

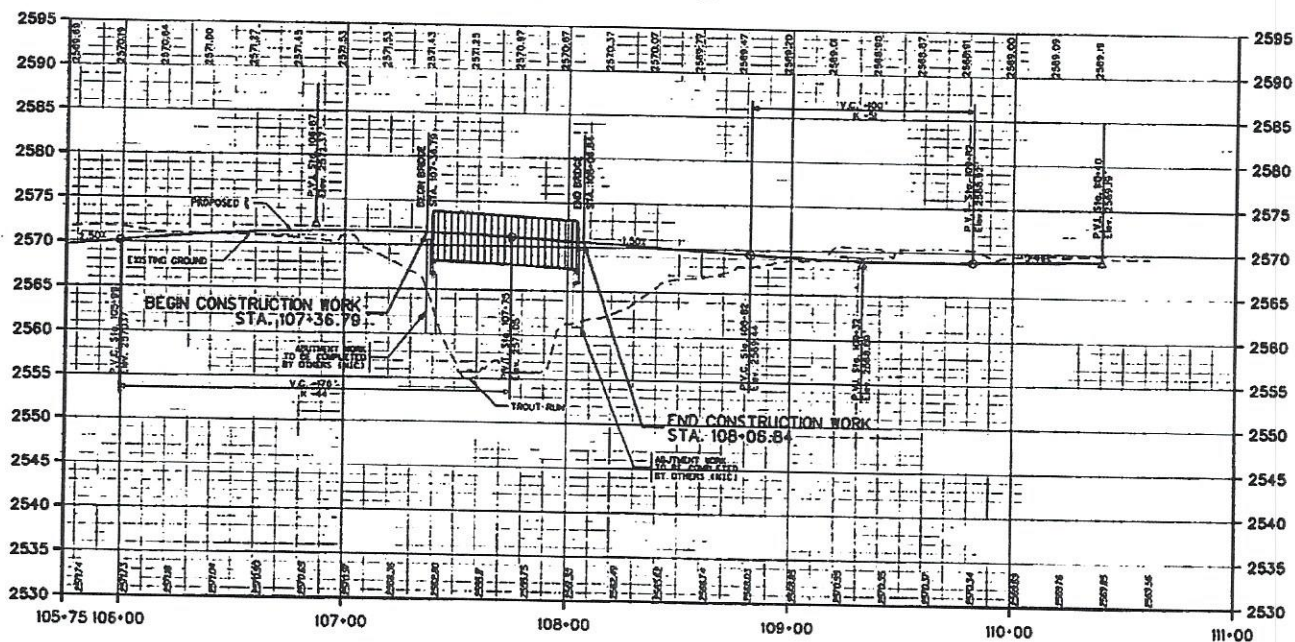
GENERAL NOTES

Public Agency	Agency ID	State Project No.	Federal Project No.	Fiscal Year	Category	Source No.	Fiscal Year
WV	00	6258 1907/US 09-00	047A	2001	Public Safety	5	24



Construction By Others Provided for Reference Only

DATE	BY	CHKD	APP'D	DATE	BY	CHKD	APP'D
11-01-1961	WAS			11-01-1961	WAS		



SCALE
1" = 20'

CARPENTER
MARTY

NIC = NOT IN CONTRACT

1/2 WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
STATE ROAD AUTHORITY

PROFILE SHEET

THESE PLANS ARE AN ACCURATE PRESENTATION OF THE PARCELS OF LAND TO BE TRANSFERRED TO WEST VIRGINIA DEPARTMENT OF TRANSPORTATION BY UNITED STATES OF AMERICA AND ARE PART OF WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS PROJECT: 5336-TR04/17-19.00

THE DESCRIPTIONS FOR THESE PARCELS ARE LABELED PROJECT: 5336-TR04/17-19.00 PARCEL 1 TRACT 1

SCALE



ALI SAGEBIAM
REGISTERED PROFESSIONAL ENGINEER #15888

Construction by Others Provided for Reference only

DATE	BY	REVISION	DESCRIPTION
11/01/2019	AL	1	ISSUED FOR PERMIT

BEGIN R/W PROJECT
STA. 101+85

BEGIN WORK
STA. 100+40.00

BEGIN BRIDGE
STA. 107+38.79

END BRIDGE
STA. 108+08.84

END R/W PROJECT
STA. 109+00

END WORK
STA. 110+40.00

DURBIN & GREENGARDEN VALLEY RAILROAD
FORMERLY THE GREENGARDEN AND OHIO RAILROAD
COMPANY RIGHT OF WAY TAKEN FROM
VAL MAP

PARCEL 2
STATE OF WEST VIRGINIA
DEPARTMENT OF COMMERCE
DIVISION OF NATURAL RESOURCES

PC- 832 S.F.

CARPENTER
MARTY

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
STATE RAIL AUTHORITY
PROPERTY MAP

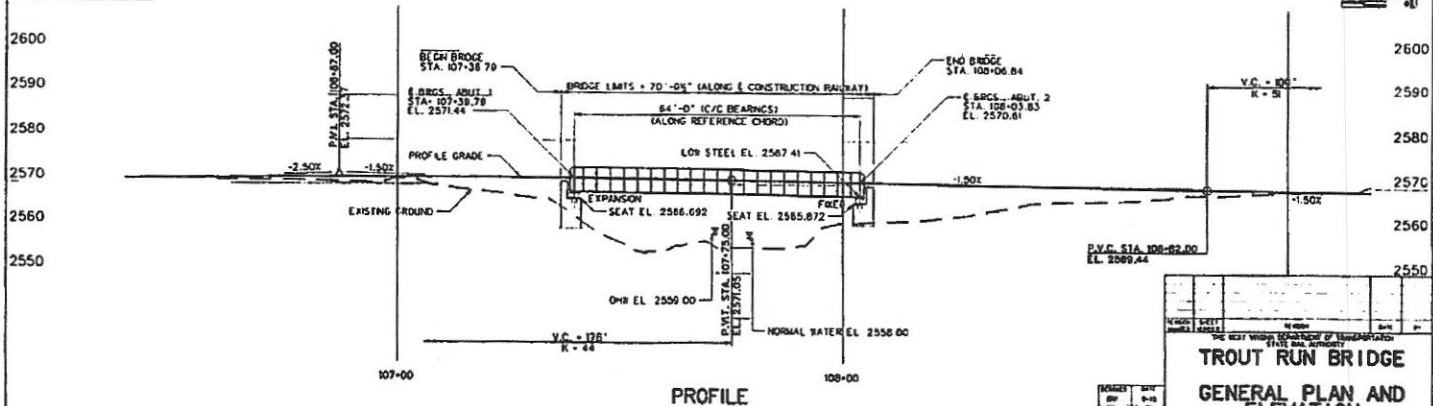
SCALE 0 40

Construction By Other
Provided for Reference only

Project No.	2275	Sheet No.	1 of 10
City	POCONO	Date	10/20/11
Client	POCONO	Drawn by	MM
Checked by		Scale	AS SHOWN

CURVE M3	
P.I.	107+28.88
Δ	38° 33' 47" RT
D	11° 00' 00"
R	521.67'
L	351.11'
T	182.50'
CA	2"

PLAN



PROFILE

THE BEST VALUE SOURCE OF INFORMATION		SHEET 1 of 10	
TROUT RUN BRIDGE		854	
GENERAL PLAN AND ELEVATION			
CARPENTER MARTY			

THE CITY WRITING DIVISION OF INDEPENDENCE
STATE MAIL AUTHORITY

TROUT RUN BRIDGE

INDEX AND ABBREVIATION LIST

CARPENTER
MARTY

ABBREVIATION: MARTY, to son
of CARPENTER

SHEET 2 of 16
INDEX 36

This Contract Bid will include ~~xxxxx~~ materials that are shown in these Plan Sheets shown above

GOVERNING SPECIFICATIONS

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROADS AND BRIDGES, ADOPTED 2017, AS AMENDED BY THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION, SUPPLEMENTAL SPECIFICATIONS, DATED 2021. THE CONTRACT DOCUMENTS AND THE CONTRACT PLANS ARE THE GOVERNING PROVISIONS APPLICABLE TO THIS PROJECT.

2019 EDITION OF THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION (AREMA) "MANUAL FOR RAILWAY ENGINEERING".

DESIGN

THE BRIDGE SUPERSTRUCTURE IS DESIGNED BY THE SERVICE LOAD DESIGN METHOD AND THE BRIDGE SUBSTRUCTURE IS DESIGNED BY THE LOAD FACTOR DESIGN METHOD IN ACCORDANCE WITH THE 2019 EDITION OF THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION (AREMA) "MANUAL FOR RAILWAY ENGINEERING".

THE DESIGN PROVIDES FOR 6" OF FUTURE ADDITIONAL BALLAST. THE FUTURE ADDITIONAL BALLAST IS NOT INCLUDED IN THIS CONTRACT.

DESIGN LOADS

DEAD LOAD: WEIGHT OF RAIL AND FASTENINGS, BALLAST, STEEL DECK, AND OTHER MISC. (LAMELLOIDS) FEATURES.
LIVE LOAD: COOPER E-80 LOADING.
IMPACT: APPLICABLE PERCENTAGE FOR ROLLING EQUIPMENT WITHOUT HAMMER BLOW.
FATIGUE: PER AREMA 10.1.3.13 FATIGUE.
WIND LOAD: PER AREMA 8.2.3.3.15, 1.3.7, AND 1.3.8, AS REQUIRED.

DESIGN STRESSES

STRUCTURAL STEEL: ASTM A709, GRADE 50, $F_y = 50$ KSI.

CONCRETE FOR BACKFILL: CLASS B, $f'_c = 3000$ PSI AT 28 DAYS.

REINFORCEMENT STEEL: ASTM A615, MINIMUM YIELD STRENGTH = 60 KSI.

STRUCTURAL STEEL

ALL STRUCTURAL STEEL SHAPES AND PLATES SHALL CONFORM TO THE REQUIREMENTS OF ASTM A709, GRADE 50, F2 FOR NON-FRACTURE CRITICAL MEMBERS AND A709, GRADE 50, F2 FOR FRACTURE CRITICAL MEMBERS.

Fit WORK TOGETHER IN FABRICATION SHOP AND DELIVER COMPLETE OR IN PARTS, READY TO BE SET IN PLACE ON ASSEMBLED IN FIELD.

ALL MATERIAL SHALL BE STRAIGHT AND FREE FROM SHARP KINKS OR BENDS. ANY STEEL MATERIAL EXHIBITING SUCH DEFECTS SHALL BE CAUSE FOR THE REJECTION OF THE MATERIAL. STRAIGHTENING OF THE MATERIAL SHALL NOT BE ACCEPTABLE.

BLAST CLEANING AND PAINTING

UPON COMPLETION OF ALL FABRICATION OPERATIONS IN THE SHOP, AND BEFORE SHIPMENT TO THE PROJECT SITE, ALL STEEL BRIDGE COMPONENTS SHALL BE BLAST CLEANED TO A WHITE METAL SURFACE CONDITION ACCORDING TO SSPC-SP 10. PRIOR TO START OF ANY BRIDGE CLEANING, ALL OIL, GREASE, CUTTING FLUIDS, OR OTHER FOREIGN MATTER SHALL BE REMOVED FROM THE SURFACES OF THE STEEL BY SOLVENT CLEANING ACCORDING TO SSPC-SP 1.

ALL MEMBERS SHALL BE BLAST CLEANED AND SHOP PRIME PAINTED ACCORDING TO SECTION 800.2 OF THE STANDARD SPECIFICATIONS. FIELD PAINT THE STEEL STRUCTURES USING THE TWO COAT, LOW VOC SYSTEM, SECTION 702.2. ALL EXPOSED SURFACES OF THE STEEL SHALL BE FIELD PAINTED. THE STEEL UNDER THE WATERPROOFING SHALL NOT BE PAINTED. THE COLOR OF THE FINAL TOP COAT SHALL BE BLACK ACCORDING TO FEDERAL STANDARD 595 AND THE GLOSS AT ANGLE OF 80 DEGREES SHALL BE 30 - 50 PER SEMI-GLOSS.

AREAS OF THE SHOP APPLIED PRIME PAINTED AREAS WHICH ARE DAMAGED DURING ERECTION SHALL BE PROPERLY CLEANED AND PAINTED ACCORDING TO SECTION 800.2 OF THE STANDARD SPECIFICATIONS, AND TO THE SATISFACTION OF THE ENGINEER.

INCLUDE CLEANING AND SHOP PRIME PAINTING COSTS IN ITEM 650000-00, STEEL SUPERSTRUCTURE. INCLUDE FIELD PAINTING WITH ITEM 650001-00, FIELD PAINTING OF SHOP PRIME STEEL.

All Steel shall be Weathering Steel

IDENTIFICATION MARKING STEEL MEMBERS

ALL STEEL MILL AND FABRICATION IDENTIFICATION MARKINGS FOR STEEL PLATES, SHAPES, OR FABRICATED MEMBERS SHALL BE BY METAL TACK, SOAPSTONE, OR SOME OTHER READILY REMOVABLE MATERIAL. MARKING METHODS AND LOCATIONS ARE SUBJECT TO APPROVAL OF THE ENGINEER.

DO NOT USE PAINT OR WAX-BASED GRAYDYS FOR MARKING.

BOLTS

ALL BOLTED CONNECTIONS SHALL BE IN ACCORDANCE WITH ASTM F3125, GRADE A325 HIGH-STRENGTH BOLTS, UNLESS OTHERWISE NOTED ON THE PLANS. HIGH STRENGTH FASTENERS SHALL CONFORM TO SECTION 700.2.4.

DRAW UP BOLTS OR NUTS TIGHT IN ACCORDANCE WITH ASSE SPECIFICATIONS. USE BOLTS OF LENGTHS REQUIRED SO BOLTS DO NOT PROJECT MORE THAN 1/4" BEYOND FACE OF NUT. DO NOT USE WASHERS UNLESS SPECIFIED. PROVIDE HEXAGONAL HEAD BOLTS WITH HEXAGONAL NUTS.

PROVIDE HOLES REQUIRED FOR CONNECTION OF ADJACENT OR ADJOINING WORK WHEREVER NOTED ON DRAWINGS. LOCATE HOLES FOR BOLTS EQUIPMENTS TO SUPPORTS TO TOLERANCE OF 1/4" OF DIMENSIONS INDICATED.

NUTS AND WASHERS DESIGNATED A563 AND F436 RESPECTIVELY SHALL BE USABLE ONE HARDENED STEEL WASHER PER BOLT UNDER ELEMENT TO BE TURNED SHALL BE USED.

BEFORE ASSEMBLING THE HIGH STRENGTH BOLTED CONNECTIONS, REMOVE ALL LOOSE AND NON-ADHERENT RUST THAT MAY HAVE FORMED ON THE CONNECTION AREAS BY HAND CLEANING OR POWER WIRE BRUSHING.

HIGH-STRENGTH BOLTS MUST BE INSTALLED USING THE "TURN OF THE NUT" METHOD.

BOLTS MUST BE 1/4" DIAMETER UNLESS OTHERWISE NOTED.

ANCHORS

PERI ANCHOR 15-10-3-2, SPOGGED ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GR. 105 SPECIFICATIONS WITH A DAIKINEN AS SHOWN IN THE PLANS. SPOGGED BOLTS SHALL BE GALVANIZED.

SPOGGED ANCHOR BOLTS LOCATED AT THE FIXED AND EXPANSION BEARINGS SHALL BE SET TO ALLOW A 3" GAP BETWEEN THE BOTTOM OF THE NUT AND TOP OF WASHER.

WELDING

ALL WELDING SHALL BE IN ACCORDANCE WITH CURRENT AREMA MANUAL AND THE PROJECT SPECIFICATIONS. WELDING TO BE IN ACCORDANCE WITH AMERICAN WELDING SOCIETY STRUCTURAL (A5.1) WELDING CODE B1.5, CURRENT ISSUE. ALL WELDS TO BE CONTINUOUS UNLESS OTHERWISE SHOWN. ALL WELDERS TO BE QUALIFIED IN ACCORDANCE WITH A5.5, STRUCTURAL WELDING CODE OR OTHER REGULATIONS MEETING WITH THE APPROVAL OF THE ENGINEER. ALL FIELD WELDS TO BE MADE WITH E7018 LOW HYDROGEN ELECTRODES WITH ON-SITE PROTECTION AND USE OF ELECTRODE HEATING UNITS PER CURRENT A5.5 SPECIFICATIONS.

CONFORM TO CODES FOR ARC AND GAS WELDING IN BRIDGE CONSTRUCTION OF A5.5, AND TO ASSE SPECIFICATIONS. SURFACES TO BE WELDED SHALL BE FREE FROM LOOSE SCALE, RUST, GREASE, PAINT, AND OTHER FOREIGN MATERIAL, EXCEPT MILL SCALE WHICH WILL WITHSTAND VIOLENT WIRE BRUSHING MAY REMAIN. NO WELDING SHALL BE DONE WHEN BASIC METAL TEMPERATURE IS LOWER THAN 0°F.

QUALITY WELDING OPERATORS IN ACCORDANCE WITH A5.5, B1.5 QUALIFICATION TESTS SHALL BE RUN BY RECOGNIZED TESTING LABORATORY APPROVED BY ENGINEER AT CONTRACTOR'S EXPENSE.

WELDING OPERATORS SHALL BE SUBJECT TO EXAMINATION FOR REGULARIZATION USING EQUIPMENT, MATERIALS, AND ELECTRODES EMPLOYED IN EXECUTION OF WORK. SUCH REGULARIZATION, AS ORDERED BY ENGINEER, SHALL BE DONE AT CONTRACTOR'S EXPENSE.

GRIND EXPOSED EDGES OF WELDS TO 1/4" MINIMUM RADIUS. GRIND BURRS, JAGGED EDGES, AND SURFACE DEFECTS SMOOTH.

PREPARE WELDS AND ADJACENT AREAS SO THERE IS:
• NO UNDERCUTTING OR REVERSE EDGES ON WELD BEAD
• NO WELD SPATTER OR ON ADJACENT TO WELD OR OTHER AREA TO BE PAINTED OR COATED
• NO SHARP PEAKS OR RIDGES ALONG WELD BEAD

GRIND EMBEDDED PIECES OF ELECTRODE OR WIRE FLUSH WITH ADJACENT SURFACE OF WELD BEAD.

WATERPROOFING

WATERPROOFING SHALL CONSIST OF DS BROWN "DECKGUARD" OR EQUIVALENT "SHED EXTREME FLOOR-SHED" APPLIED MEMBRANE OR AN ENGINEER APPROVED EQUAL.

PATENTED TYPICAL WATERPROOFING SHALL BE CONSIDERED INCIDENTAL TO ITEM 610-000-00, STEEL SUPERSTRUCTURE.

HANDLING AND STORING STEEL MEMBERS

STEEL MEMBERS MUST NOT BE COUSED, SCRATCHED, DENTED, OR ALLOWED TO RUB AGAINST OTHER MEMBERS THAT WOULD RESULT IN DAMAGE TO THE BLAST CLEANED PROFILES OF THE STEEL MEMBERS. STEEL MEMBERS SHALL BE HANDLED USING SOFTENERS AND SINGS INSTEAD OF CHOCKS AND CHAINS.

STORE MEMBERS IN THE FABRICATION SHOP AND ON THE PROJECT SITE IN SUCH A MANNER AS TO BE KEPT FREE AND CLEAR OF ALL FOREIGN SUBSTANCES SUCH AS GREASE, OIL, MORTAR, AND CONCRETE SPALLS, CHALK AND CRAYON MARKS, PAINT, AND DIRT. STORAGE MUST BE ABOVE GROUND AND SLOPED TO ALLOW FREE DRAINAGE OF MELTED SNOW, RAINWATER, AND DEW. IF THE STEEL MEMBERS ARE STORED FOR PERIODS LONGER THAN THREE MONTHS, THE MEMBERS MUST BE PLACED ON METAL SUPPORTS FOR PERIODS OF STORAGE UP TO 3 MONTHS, MEMBERS MAY BE PLACED ON CLEAN, UNTREATED WOOD TIMBERS.

STORE PLATE ORDERS WITH THE WEB IN THE UPRIGHT POSITION. THE MEMBERS MAY BE STACKED PROVIDED METAL OR WOOD SUPPORTS, AS NOTED ABOVE, SEPARATE INDIVIDUAL MEMBERS. UNDER NO CIRCUMSTANCES SHALL MEMBERS BE NESTED TOGETHER OR BUNDLED.

DO NOT ALLOW TREATED LUMBER OR TREATED TIMBER TO CONTACT STEEL MEMBERS. CONTACT WITH CLEAN, UNTREATED LUMBER OR TIMBER WILL NOT DAMAGE THE STEEL MEMBERS.

CONTRACTOR'S RESPONSIBILITY

1. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE WV RAIL AUTHORITY.

2. BEFORE ORDERING ANY MATERIAL, THE CONTRACTOR SHALL MAKE A DETAILED FIELD INSPECTION OF THE SITE VERIFYING ALL PERTINENT DIMENSIONS AND ELEVATIONS AND LOCATION OF PROPOSED BRIDGE. ANY VARIATION IN DIMENSIONS OR ELEVATIONS FROM THOSE SHOWN ON THE PLANS SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.

3. PROVIDE THE WV RAIL AUTHORITY WITH A DETAILED CONSTRUCTION PLAN OUTLINING THE ACTIVITY, SCHEDULE, AND PROCEEDURE FOR EACH ASPECT OF THE WORK. CONSTRUCTION SHALL NOT BE INITIATED UNTIL THE CONSTRUCTION PLAN HAS BEEN APPROVED BY THE RAILROAD.

SPAN	SHAPE	Av	Sn	Fy	Spun	NORMAL RATING					MAXIMUM RATING				
						60 MPH	50 MPH	40 MPH	30 MPH	20 MPH	60 MPH	50 MPH	40 MPH	30 MPH	20 MPH
SPAN 1	TPO BUILT-UP	43	350"	50	64'-0"	SHEAR (KIPS)		130	143	160	246	270	301		
						MOMENT (K-FT)		91	100	117	148	163	182		
	FB W21X147	18	325	50	22'-0"	SHEAR (KIPS)		362	404	459	632	705	801		
						MOMENT (K-FT)		110	123	140	165	184	209		

UTILITIES

EXISTING UTILITIES SHOWN ON THE PLANS HAVE BEEN LOCATED BASED ON FIELD SURVEY INFORMATION AND INFORMATION PROVIDED BY THE UTILITY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CALL MESS. UTILITY (1-800-777-6888) AND TO ACCURATELY LOCATE ALL UTILITIES BY EXPLORATORY TRENCHING.

EXISTING STRUCTURE

THE EXISTING STRUCTURE SHALL NOT BE DEMOLISHED.

CONSTRUCTION NOTES

BRIDGE ERECTION SHALL COMPLY WITH AREMA CHAPTER 15, PART 4 "ERECTION".

SHOP DRAWINGS

ALL SHOP DRAWINGS WILL BE SUBJECT TO THE REQUIREMENTS OF SECTION 105.2, SUBMIT SHOP DRAWINGS TO:

CARPENTER MARTY TRANSPORTATION
814 QUARRER STREET
CHARLESTON, WV 25301

OR ELECTRONICALLY TO:
ASADE@HARRINGTON.COM

THE DESIGN CALCULATIONS AND PLANS FOR ANY PROPOSED FABRICATION, COFFERDAMS, SHORING, OR OTHER TEMPORARY SUPPORTS OR BRACING REQUIRED TO CONSTRUCT THE BRIDGE SHALL BE SEPALED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WEST VIRGINIA. THE ENGINEER SHALL ALSO VERIFY THAT THE DESIGN IS USED WITHOUT BEING SUBMITTED TO THE ENGINEER.

PRIOR TO IMPOSING ANY CONSTRUCTION LOADS ON THE STRUCTURE, THE CONTRACTOR SHALL SUBMIT PLANS AND SUPPORTING CALCULATIONS, SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF WEST VIRGINIA, DEMONSTRATING THAT SUCH LOADINGS DO NOT INTRODUCE ANY DETRIMENTAL EFFECTS INTO THE STRUCTURE.

VEHICLE ACCESS

CURRENTLY, THERE IS NO VEHICULAR ACCESS TO THE PROJECT SITE. ALL MATERIALS, EQUIPMENT, AND THE LOADS THEREON WILL NEED TO TRAVEL ON THE RAILWAY FROM DURBIN, WV AND CASE, WV.

THE CONTRACTOR CANNOT RELY ON RAIL TRANSPORTATION TO THE JOB SITE BY WV RAIL AUTHORITY VEHICLES. THE WV RAIL AUTHORITY TRAIN ENGINE, RAILFLATCAR MAY BE AVAILABLE FOR USE BY THE CONTRACTOR. ALL COOPERATION BETWEEN THE CONTRACTOR AND WV RAIL AUTHORITY FOR THE USE OF THE TRAIN ENGINE AND RAILFLATCAR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY USAGE AND RENTAL FEES ASSOCIATED WITH THIS USE ARE PART OF THE RESPONSIBILITY OF THE CONTRACTOR.

TROUT RUN BRIDGE

GENERAL NOTES AND LOAD RATING

CARPENTER MARTY TRANSPORTATION

3 of 16

864

Project No.	10-00	Sheet No.	10
Contract No.	10-00	Project Name	10-00
W. V. 0	10-00	10-00	10-00

ESTIMATED QUANTITIES				
ITEM	DESCRIPTION	UNIT	ADJUSTMENTS	TOTAL QUANTITY
20400-000	MOBILIZATION	LS		1
61500-001	STEEL SUPERSTRUCTURE	LS		1
65000-001	NON-CURBED BEARING STEEL SHOE	EA	2	2
65000-001	FIELD BEARING STEEL SHOE	EA	2	2
63200-001	CONSTRUCTION LAYOUT STAKE	LS		1
68800-001	FIELD PAINTING OF SHOP PRIMED STEEL	LS		1

ITEM 61500-001 STEEL SUPERSTRUCTURE		
(FOR INFORMATION ONLY)		
DESCRIPTION	UNIT	QUANTITY
ASTM A700 STEEL GRADE 50	LB	222250
7/8" DIAMETER BOLTS	EA	2889
1 1/4" DIAMETER BOLTS	EA	27

ITEM 68800-001 FIELD PAINTING		
(FOR INFORMATION ONLY)		
DESCRIPTION	UNIT	QUANTITY
PAINTING OF SHOP PRIMED STEEL	SF	8750

Bolts to be included
in this Bid.

"Railroad Steel Superstructure
Unit"

For Reference Only
All Steel is to be Weathered Steel

REVISIONS	DATE	BY	REASON
1	10-10		
2	10-10		
3	10-10		
4	10-10		
5	10-10		

THE WEST VIRGINIA DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY AUTHORITY

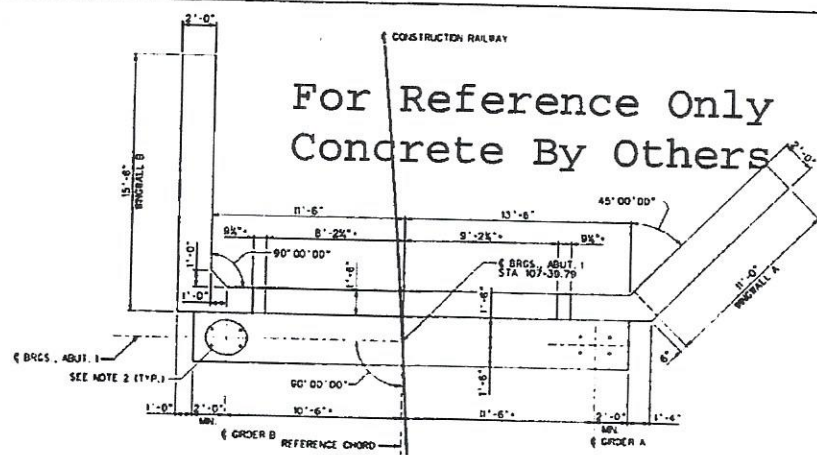
TROUT RUN BRIDGE

ESTIMATED QUANTITIES

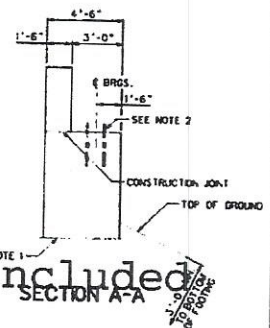
CARPENTER MARTY

SHEET 4 of 16
PROJECT NO. 884

Project No.	1336	Project Name	TROUT RUN BRIDGE
W. Y. S.	1336	Drawn By	W. Y. S.
Checked By		Reviewed By	
Scale	1" = 10'	Sheet No.	13
Date	12/24	Project Location	POCONO, PA.



PLAN
SCALE: 3/8" = 1'-0"



SECTION A-A
SCALE: 3/8" = 1'-0"

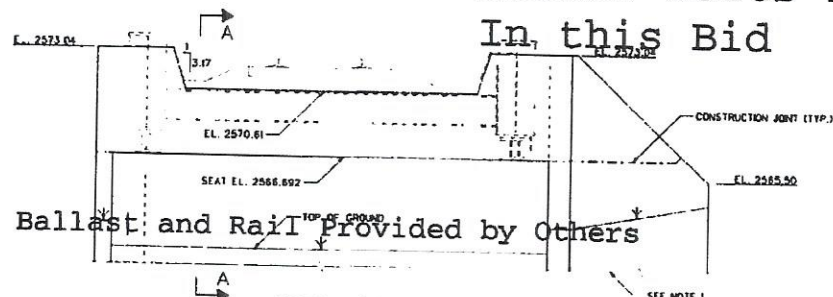
DESIGN LOADS (KIPS)	
TOTAL DEAD (IV)	142.4
LIVE (VI)	257.5
IMPACT (IV)	85.5
CENTRIFUGAL (VI)	20.0
BRACING (H)	100.0

ALL LOADS ARE SERVICE LOADS PER BEARING POINT. ABUTMENT SELF WEIGHT NOT INCLUDED. AN ECCENTRICITY FACTOR OF 1.25 HAS BEEN APPLIED TO THE LIVE, IMPACT, AND CENTRIFUGAL LOADS.

V = VERTICAL LOAD
H = HORIZONTAL LOAD

NOTES

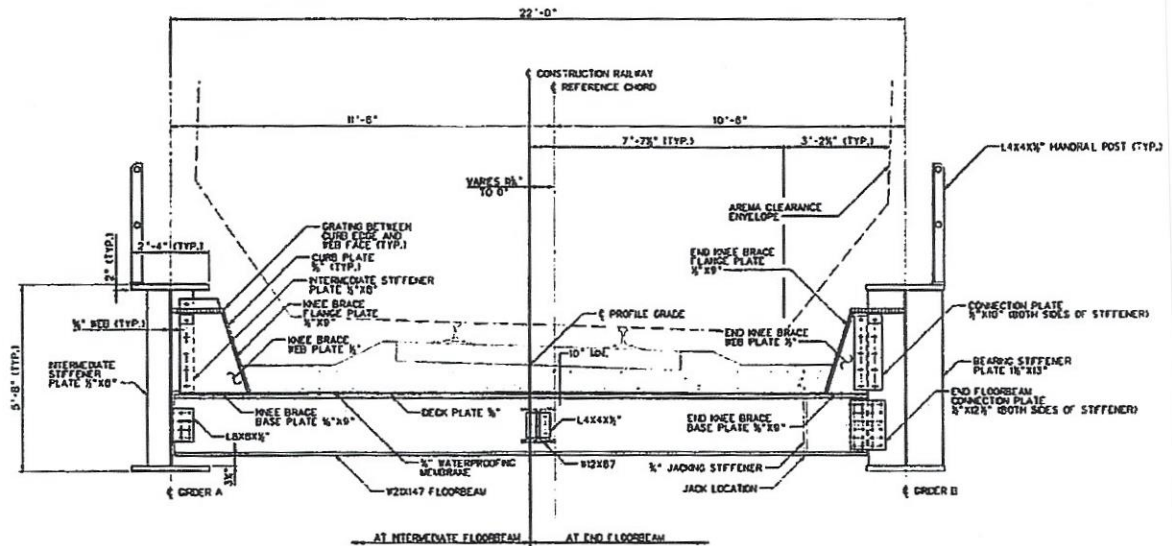
1. ALL DESIGN, ASSOCIATED MATERIALS, AND CONSTRUCTION FOR THE PROPOSED ABUTMENT SYSTEM SHALL BE THE RESPONSIBILITY OF OTHERS.
2. SEE SHEET M-16 FOR ANCHOR BOLT LAYOUT.
3. ALL ELEVATIONS SHOWN AND DIMENSIONS FOLLOWED BY AN ASTERISK ARE CRITICAL AND SHALL BE CONSIDERED SET. ALL REMAINING GEOMETRY SHOWN IS FOR INFORMATION PURPOSES ONLY.



ELEVATION
SCALE: 3/8" = 1'-0"

THE TRUSTEES OF THE STATE OF PENNSYLVANIA		DATE	12/24
TROUT RUN BRIDGE		BY	W. Y. S.
ABUTMENT 1 DETAILS		SCALE	1" = 10'
CARPENTER MARTY		SHEET	5 of 18
		PROJECT NO.	1336

All Steel Should be Weathering Steel



All Materials to be provided by this contract excluding the following

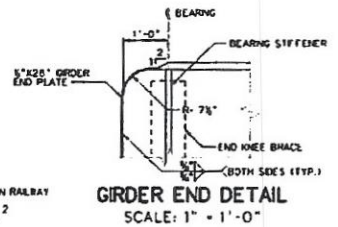
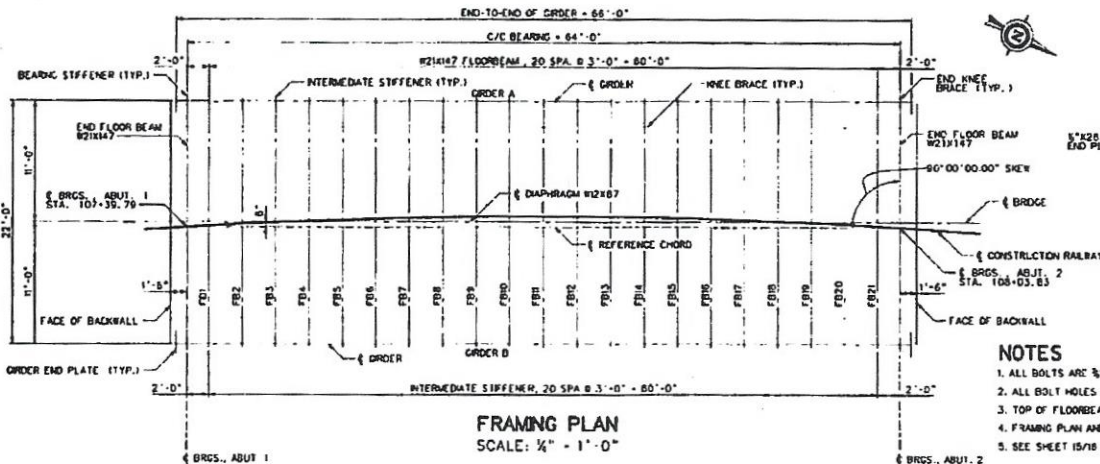
1. Ballast
2. RR Ties
3. Rail
4. Waterproofing Membrane

TYPICAL SECTION
SCALE: 3/4" = 1'-0"

PROJECT NO.	DATE	BY	CHECKED
100-1-100	10-10	JMA	JMA
TROUT RUN BRIDGE			
TYPICAL SECTION			
CARPENTER MARTY			7 of 18
854			

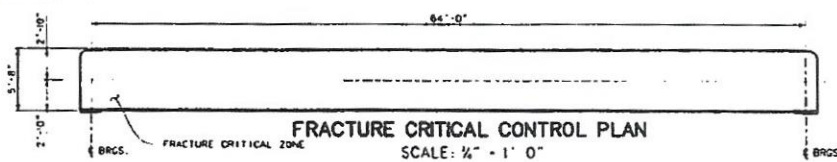
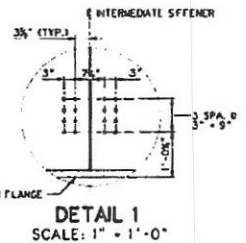
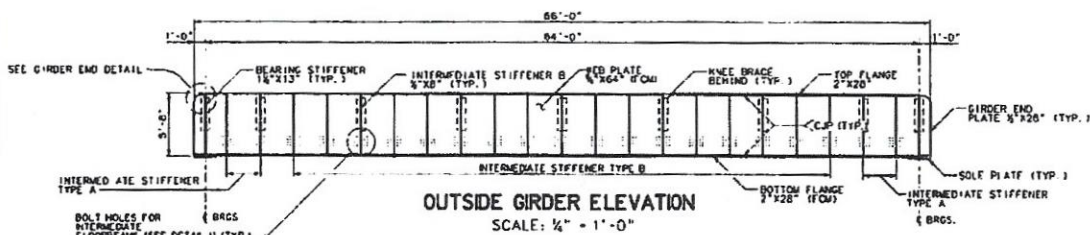
All Steel is to be Weathering Steel

NO.	DATE	BY	CHKD.	APP'D.	REVISION
1	10/10/80	W. V. B.			ISSUED FOR CONSTRUCTION



NOTES

1. ALL BOLTS ARE 3/4" DIAMETER ASTM F3125 GRADE A325 BOLTS.
2. ALL BOLT HOLES ARE 1/2" DIAMETER
3. TOP OF FLOORBEAMS SHALL BE IN THE SAME PLANE.
4. FRAMING PLAN AND GIRDER ELEVATION ARE SYMMETRIC BY 180° ROTATION.
5. SEE SHEET 15/16 FOR MAJOR DETAILS

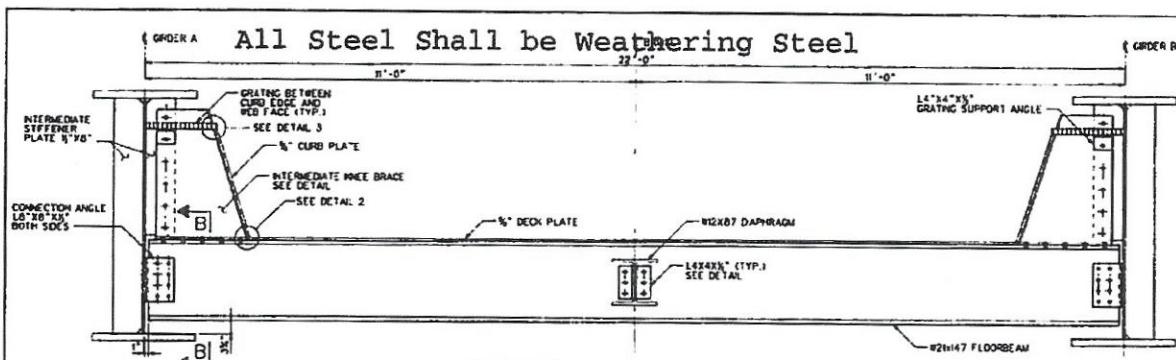


THE BEST VALUE REPRESENTATION OF MEASUREMENTS			
TROUT RUN BRIDGE			
FRAMING PLAN & GIRDER ELEVATION			
CARPENTER MARTY			
DATE	10/10/80	BY	W. V. B.
CHKD.		APP'D.	
NO.	1	REV.	
SHEET 8 OF 16			
BRIDGE NO. 684			

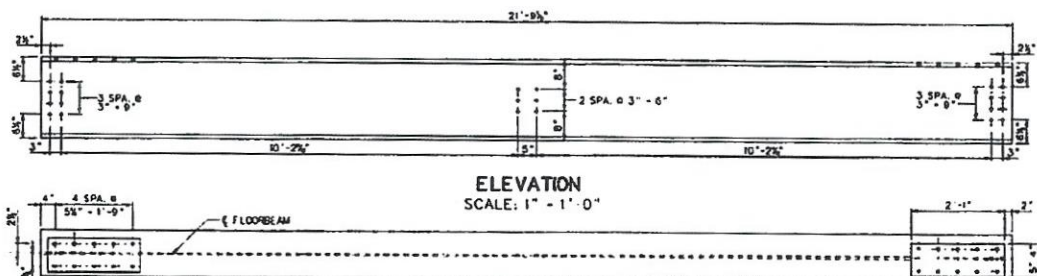
All Materials shown to be included in this contract "Railroad Steel Superstructure Unit"

1. ALL BOLTS ARE 3/4" DIAMETER ASTM F3125
GRADE A325 BOLTS.

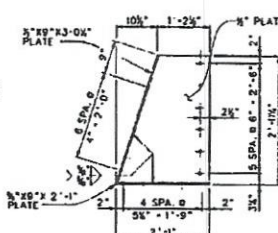
2. SEE SHEET 12/16 FOR ADDITIONAL
CONNECTION DETAILS.



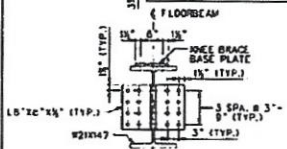
INTERMEDIATE FLOORBEAM DETAIL
AT KNEE BRACE
SCALE: 1" = 1'-0"



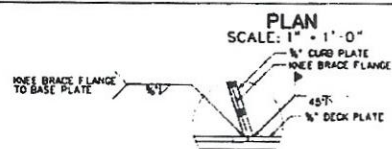
ELEVATION
SCALE: 1" = 1'-0"



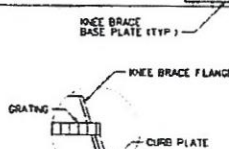
INTERMEDIATE
KNEE BRACE
SCALE: 1" = 1'-0"



SECTION B-B
SCALE: 1" = 1'-0"
(BOTH LEGS SIMILAR)



DETAIL 2
SCALE: 2" = 1'-0"



DETAIL 3
SCALE: 2" = 1'-0"


REWARDS	DATE
2000	9-10
2001	9-10
2002	9-10
2003	9-10
2004	9-10

NAME	DATE	BY	DATE	BY
1	2	3	4	5

THE BEST METHOD OF MEASUREMENT OF DIMENSIONS
THAT ARE ACTUALLY

TROUT RUN BRIDGE

INTERMEDIATE FLOORBEAM DETAILS

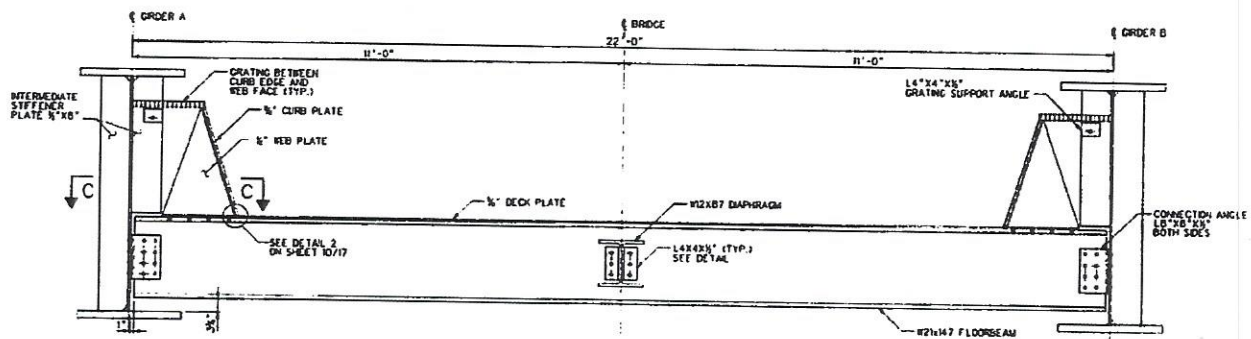
CARPENTER MARTY <small>Architectural & Engineering Co. Inc.</small>		SHEET
		9 OF 10

864

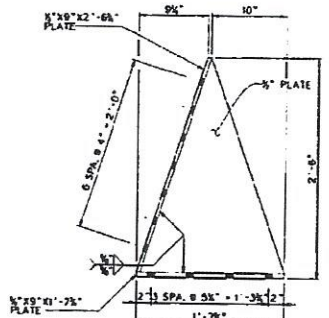
All Materials shown to be included in this contract "Railroad Steel Superstructure Unit"

All Steel Weathering Steel

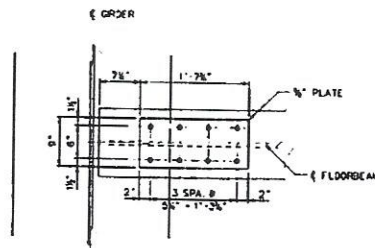
Sheet No.	Project No.	Revision	Date	By	Check	Appr.	Scale	Notes
10 of 18	884	1	10/18	W. T. B.	J. H. B.	R. A. J.	1/2" = 1'-0"	TROUT RUN BRIDGE



INTERMEDIATE FLOORBEAM DETAIL
NO KNEE BRACE LOCATIONS
SCALE: 1" = 1'-0"



SUPPORT PLATE DETAIL
SCALE: 2" = 1'-0"



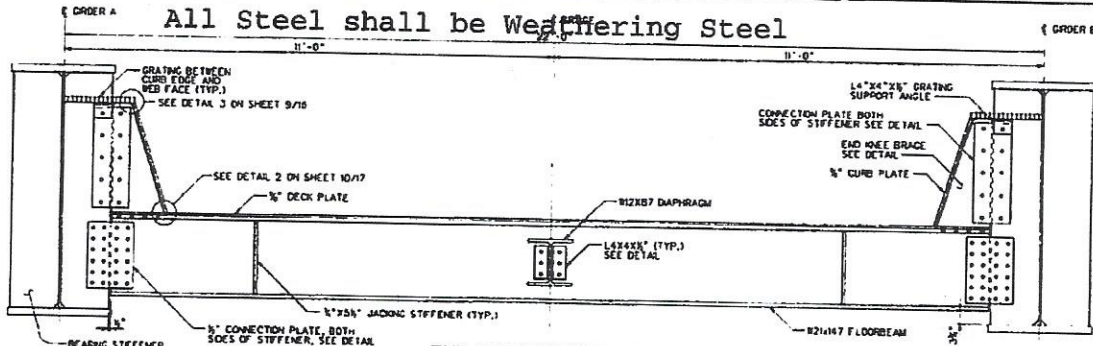
SECTION C-C
SCALE: 1 1/2" = 1'-0"

NOTES

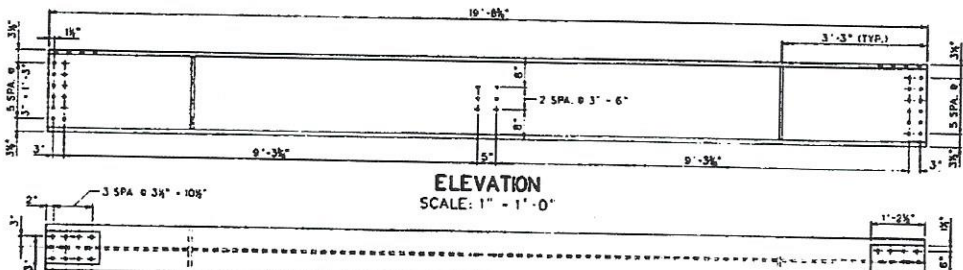
1. ALL BOLTS ARE 1/2" DIAMETER ASTM F 3125 GRADE A325 BOLTS.
2. SEE SHEET 12/18 FOR ADDITIONAL CONNECTION DETAILS.

REVISION	DATE	BY	CHKD	APPD	DESCRIPTION
1	10/18	W. T. B.	J. H. B.	R. A. J.	TROUT RUN BRIDGE
CURB PLATE CONNECTION DETAILS					
CARPENTER MARTY					
SHEET 10 of 18					
884					

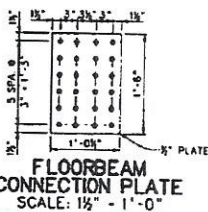
All Steel shall be Weathering Steel



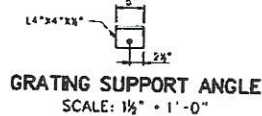
END FLOORBEAM DETAIL
SCALE: 1" = 1'-0"



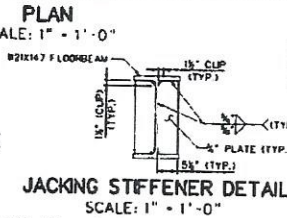
ELEVATION
SCALE: 1" = 1'-0"



FLOORBEAM
CONNECTION PLATE
SCALE: 1 1/2" = 1'-0"



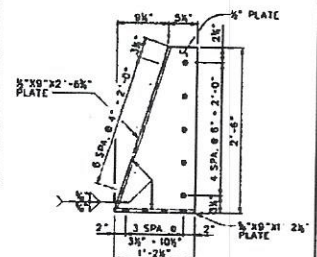
GRATING SUPPORT ANGLE
SCALE: 1 1/2" = 1'-0"



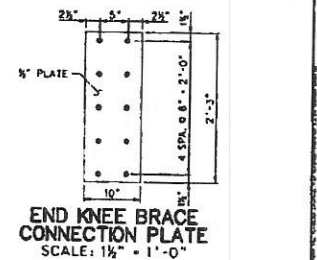
JACKING STIFFENER DETAIL
SCALE: 1" = 1'-0"

NOTES

1. ALL BOLTS ARE 3/4" DIAMETER ASTM F3125 GRADE A325 BOLTS.
2. SEE SHEET 12/16 FOR ADDITIONAL CONNECTION DETAILS.



END KNEE BRACE
SCALE: 1 1/2" = 1'-0"



END KNEE BRACE
CONNECTION PLATE
SCALE: 1 1/2" = 1'-0"

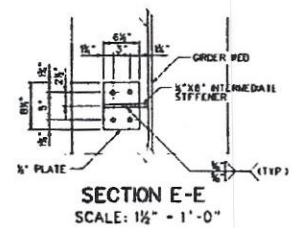
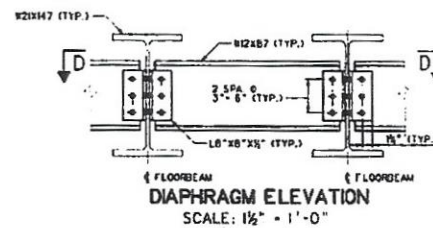
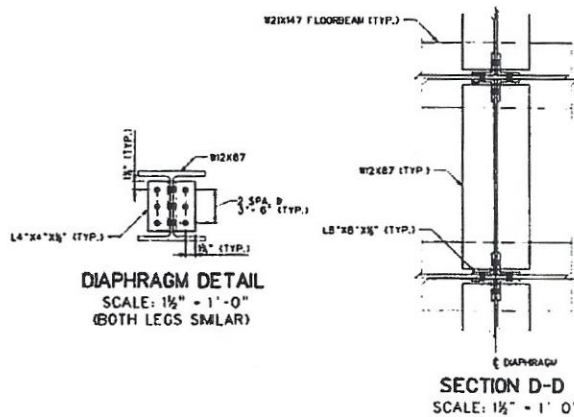
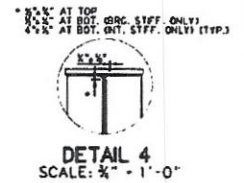
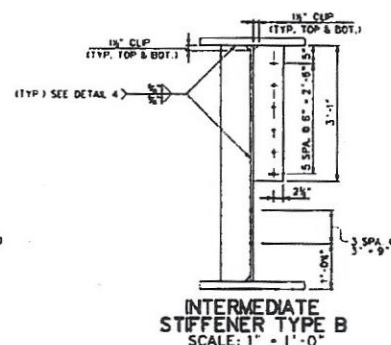
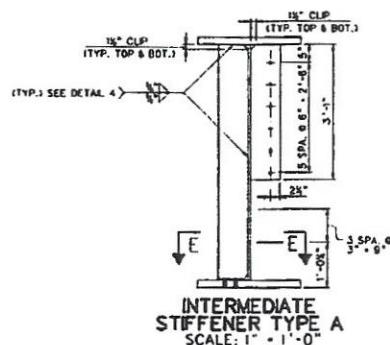
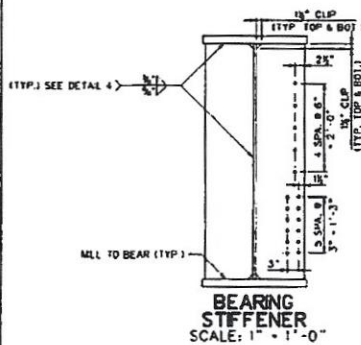
REVISION	DATE	BY	CHKD	APP'D
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44	0-10	0-10	0-10	0-10
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94	0-10	0-10	0-10	0-10
95	0-10	0-10	0-10	0-10
96	0-10	0-10	0-10	0-10
97	0-10	0-10	0-10	0-10
98	0-10	0-10	0-10	0-10
99	0-10	0-10	0-10	0-10
100	0-10	0-10	0-10	0-10

TROUT RUN BRIDGE
END FLOORBEAM
DETAILS

CARPENTER
MARTY
13 of 16
864

All Steel Shall be Weathering Steel

Rev.	By	Date	Description	App'd.	Checked	Design	Drawn	Scale	Sheet	Total
1	W	8	17.00						12	16



NOTE
ALL BOLTS ARE 1/2" DIAMETER ASTM F3125 GRADE A325 BOLTS

Rev.	By	Date	Description	App'd.	Checked	Design	Drawn	Scale	Sheet	Total
1	W	8	17.00						12	16

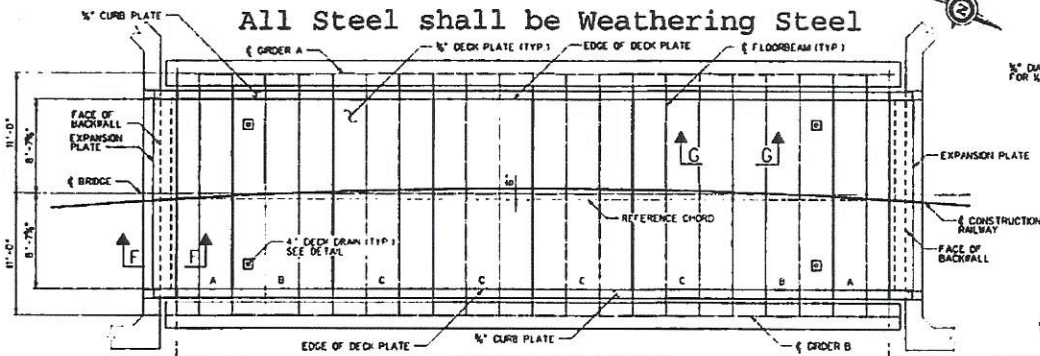
TROUT RUN BRIDGE
MISC. STEEL DETAILS

CARPENTER
MARTY

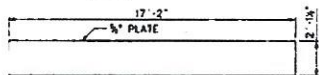
SHEET
12 of 16
864

All Materials shown to be provided in this contract with the exception of the the waterproof membrane

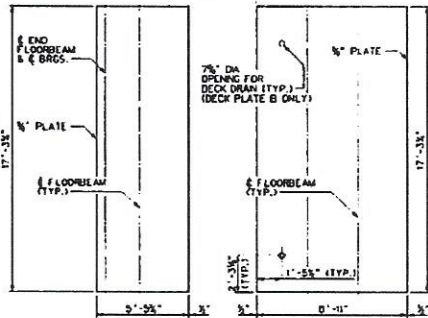
Project	Sheet	Scale	Author	Checker	Date
Trout Run Bridge	13 of 18	1/2" = 1'-0"	J. R. Smith	J. R. Smith	10/19/99



DECK PLATE LAYOUT
SCALE: 1/2" = 1'-0"

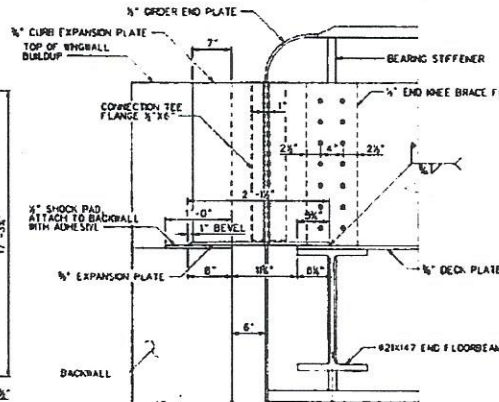


EXPANSION PLATE
SCALE: 1/2" = 1'-0"

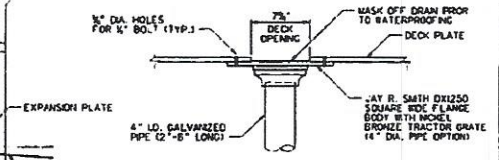


DECK PLATE A
SCALE: 1/2" = 1'-0"

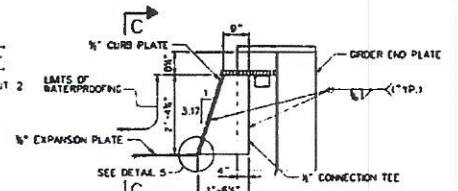
DECK PLATE B & C
SCALE: 1/2" = 1'-0"



SECTION F-F
SCALE: 1/2" = 1'-0"



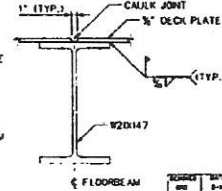
DECK DRAIN DETAIL
SCALE: 2" = 1'-0"
To be Provided in this Contract



DECK CLOSURE AT END PLATE
SCALE: 1/2" = 1'-0"



DETAIL 5
SCALE: 2" = 1'-0"



SECTION G-G
SCALE: 1/2" = 1'-0"

Project	Sheet	Scale	Author	Checker	Date
Trout Run Bridge	13 of 18	1/2" = 1'-0"	J. R. Smith	J. R. Smith	10/19/99

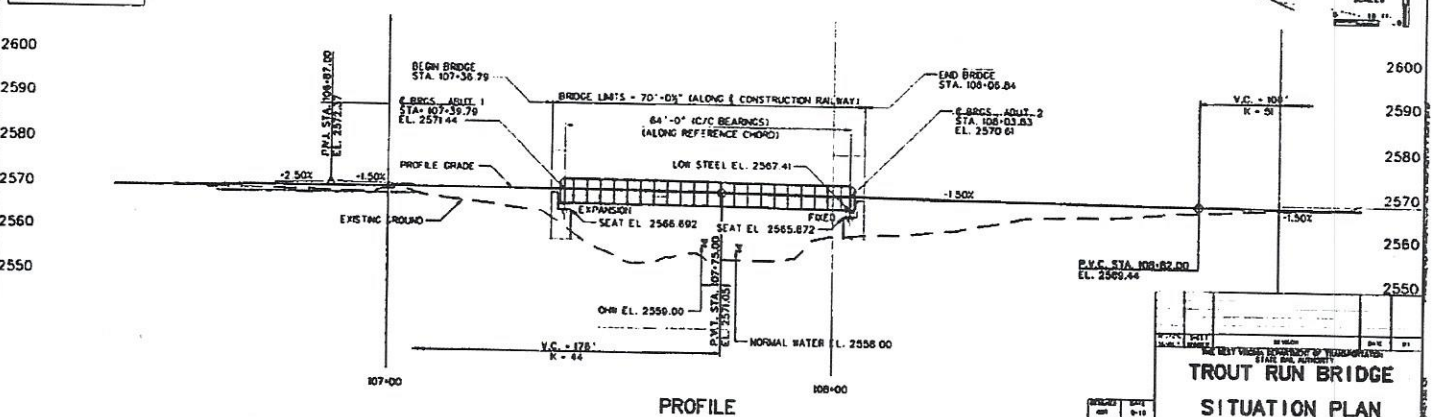
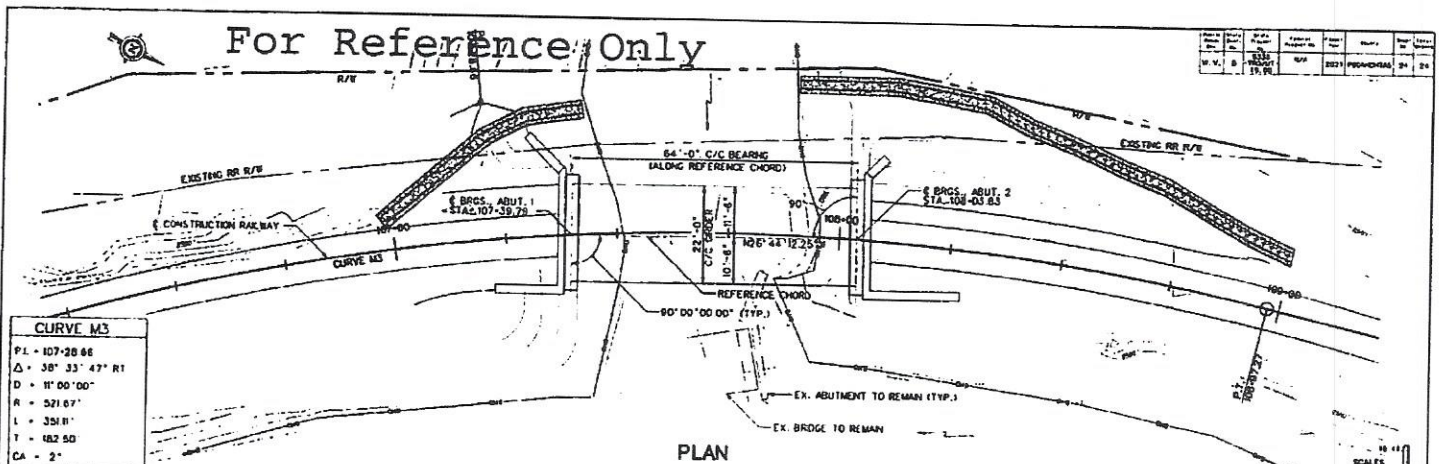
TROUT RUN BRIDGE
DECK PLATE DETAILS

CARPENTER
MARTY

SHEET
13 of 18
684

For Reference Only

Sheet No.	Project No.	Scale	Date	Drawn By	Checked By	Approved By
18 of 18	504	1" = 40'	10/1/88	J. B. B.	J. B. B.	J. B. B.



TROUT RUN BRIDGE

SITUATION PLAN

CARPENTER MARTY

18 of 18

504



CERTIFICATE OF LIABILITY INSURANCE

Page 1 of 1

DATE (MM/DD/YYYY)
08/18/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Willis of Pennsylvania, Inc. c/o 26 Century Blvd P.O. Box 305191 Nashville, TN 372305191	CONTACT NAME: Willis Towers Watson Certificate Center PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2378 E-MAIL ADDRESS: certificates@willis.com																					
INSURED Advantage Steel & Construction LLC 2300 South Noah Drive Saxonburg, PA 16056	<table border="1"><tr><th colspan="2">INSURER(S) AFFORDING COVERAGE</th><th>NAIC #</th></tr><tr><td>INSURER A:</td><td>Travelers Indemnity Company</td><td>25658</td></tr><tr><td>INSURER B:</td><td>Phoenix Insurance Company</td><td>25623</td></tr><tr><td>INSURER C:</td><td></td><td></td></tr><tr><td>INSURER D:</td><td></td><td></td></tr><tr><td>INSURER E:</td><td></td><td></td></tr><tr><td>INSURER F:</td><td></td><td></td></tr></table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	Travelers Indemnity Company	25658	INSURER B:	Phoenix Insurance Company	25623	INSURER C:			INSURER D:			INSURER E:			INSURER F:		
INSURER(S) AFFORDING COVERAGE		NAIC #																				
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INSURER B:	Phoenix Insurance Company	25623																				
INSURER C:																						
INSURER D:																						
INSURER E:																						
INSURER F:																						

COVERAGES

CERTIFICATE NUMBER: W21830343

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y		VTKCO-8F325843-IND-21	03/01/2021	03/01/2022	EACH OCCURRENCE \$ 2,000,000
	DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000						
	MED EXP (Any one person) \$ 5,000						
	PERSONAL & ADV INJURY \$ 2,000,000						
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			VTNCAP-5648B564-PHX-21	03/01/2021	03/01/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	BODILY INJURY (Per person) \$						
	BODILY INJURY (Per accident) \$						
	PROPERTY DAMAGE (Per accident) \$						
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE \$
	AGGREGATE \$						
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A					PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/>
	E.L. EACH ACCIDENT \$						
	E.L. DISEASE - EA EMPLOYEE \$						
	E.L. DISEASE - POLICY LIMIT \$						

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: CRFQ RMA22*1-Weathered Steel Super Structure, WV Rail Authority.

West Virginia Purchasing Division is included as an Additional Insured as respects to General Liability.

CERTIFICATE HOLDER**CANCELLATION**West Virginia Purchasing Division
2019 Washington Street East
Capitol Complex Building 15
Charleston, WV 25305

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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