

State of Rhode Island Department of Administration / Division of Purchases One Capitol Hill, Providence, Rhode Island 02908-5855 Tel: (401) 574-8100 Fax: (401) 574-8387

ADDENDUM #4

RFQ #7602836

SUBMISSION DEADLINE:

TITLE: PRIORITY REPAIRS TO BRIDGE NOS. 042401, 067801, 067901 AND 075521 5/12/2020 at 2:00pm

Change/addition to attached drawing and plans.

Marisa Del Farno

Marisa DelFarno Buyer I

> Page 1 of 1 4/27/2020

April 27, 2020

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION DEPARTMENT OF ADMINISTRATION DIVISION OF PURCHASES BID NO. 7602836

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO. 2019-CB-115 FEDERAL-AID PROJECT NO. FAP Nos. 405-421-993

Priority Repairs to Bridge No. 042401, 067801, 067901 & 075521

Bridge 04240, 067801, and 067901 in Cranston. Bridge 075521 in Cumberland.

CITY/TOWN OF Cranston, Cumberland COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 4 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Drawings/Plans - Change/Addition

1. Sheet No. 1 of 3 – Br. No. 042401 Steel Repairs Lane "H" over Meshanticut Interchange Lane "A" - Steel Repair General Notes

Delete Sheet No. 1 of 3 in its entirety and replace with revised Sheet No. 1 of 3 (R-1) attached to this Addendum No. 4. Notes have been added.

2. Sheet No. 1 of 4 - Br. No. 067801 Steel Repairs Milford Street over I-95 NB & SB - Steel Repair General Notes

Delete Sheet No. 1 of 4 in its entirety and replace with revised Sheet No. 1 of 4 (R-1) attached to this Addendum No. 4. Notes have been added.

3. Sheet No. 1 of 2 – Br. No. 067901 Steel Repairs Pontiac Branch Railroad over I-95 & Wellington Ave. - Steel Repair General Notes

Delete Sheet No. 1 of 2 in its entirety and replace with revised Sheet No. 1 of 2 (R-1) attached to this Addendum No. 4. Notes have been added.

RL Department of Transportation Chief Engineer, Division of Infrastructure Maintenance

ADDENDUM NO. 4 ATTACHMENTS

| <u>GENERAL NOTES</u> | STRUCTURAL STEEL NOTES |
|---|---|
| 1. ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH: | 1. FOR LOCATION OF STRUCTURAL STEEL REPAIRS, REFER TO THE BRIDGE 042401 FRAMING PLAN. |
| THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (RI STANDARD SPECIFICATIONS), 2004 EDITION AMENDED MARCH, 2018 WITH SUPPLEMENT NO. 20 DATED JUNE, 2019. | 2. THE CONTRACTOR PERFORMING THE WORK SHALL BE, AT MINIMUM, CERTI AS A "CERTIFIED STEEL ERECTOR (CSE)" IN ACCORDANCE WITH THE AISC QUALITY CERTIFICATION PROGRAM. THE CERTIFIED CONTRACTOR SHALL BE REQUIRED TO SUBMIT PROOF OF CURRENT CERTIFICATION, AS REQUIRED. |
| THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, 8TH EDITION (2017) INCLUDING THE LATEST INTERIM REVISIONS. 2. DIMENSIONS, STATIONS, ELEVATIONS, AND ANGLES OF THE EXISTING | ALL STRUCTURAL STEEL REPAIR COMPONENTS SHALL BE GRADE 50. THE STEEL USED SHALL SATISFY ALL REQUIREMENTS AS DESCRIBED IN SECTIO 824 OF THE RIDOT STANDARD SPECIFICATIONS, LATEST EDITION WITH ALL INTERIMS. |
| STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE ORIGINAL CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS REQUIRED FOR PROPER PERFORMANCE OF THE WORK. FIELD CONDITIONS MAY EXIST WHICH DEVIATE FROM THE DIMENSIONS SHOWN ON THESE PLANS. THE | ALL STEEL REPAIRS SHALL BE PERFORMED AFTER THE EXISTING STRUCTU STEEL AT THE LOCATIONS SPECIFIED IN THESE CONTRACT DOCUMENTS HA BEEN SURFACE PREPPED. |
| CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FABRICATION AND FIT OF HIS WORK. 3. BOTH FEDERAL AND STATE LAW (RI. GENERAL LAW 39–1.2) REQUIRE NOTIFICATION OF APPROPRIATE UTILITY COMPANIES BEFORE DIGGING, | SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL FOR THIS CONTR SHALL CONSIST OF WIRE-BRUSHING EXISTING WEBS & FLANGES IN CONT WITH PROPOSED REPAIR COMPONENTS, INCLUDING FILLER PLATES AND RE ANGLES. |
| TRENCHING, BLASTING, DEMOLISHING, BORING, BACK FILLING, GRADING, LANDSCAPING, OR OTHER EARTH MOVING OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES (INCLUDING THROUGH THE "DIG SAFE" PROGRAM) TO ENSURE THAT ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD, HAVE BEEN MARKED BEFORE COMMENCEMENT OF SUCH WORK. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE "DIG SAFE" PROGRAM. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT | 6. ALL EXPOSED SURFACE OF NEW STEEL COMPONENTS SHALL BE PAINTED ACCORDANCE WITH SECTION 825 OF THE RHODE ISLAND STANDARD SPECIFICATION, LATEST EDITION WITH ALL INTERIMS. THE COLOR OF THE COAT SHALL MATCH EXISTING PAINT COLOR TO THE GREATEST EXTENT POSSIBLE. DAMAGE TO THE PAINTING SYSTEM ON THE NEW/EXISTING STEI COMPONENTS SHALL BE TOUCHED UP BY THE CONTRACTOR WITH THE SA COATING SYSTEM USED ON NEW STEEL COMPONENT. |
| THE APPROPRIATE UTILITY COMPANIES, SHALL BE REPAIRED OR REPLACED (AS DEEMED APPROPRIATE BY THE STATE AND/OR THE IMPACTED UTILITY COMPANY) AT NO ADDITIONAL COST TO THE STATE. | 7. ALL BOLT HOLES FOR STRUCTURAL STEEL REPAIR PLATES SHALL BE SHO DRILLED, 提"DIAMETER. |
| DESIGN DATA | 8. ALL BOLT HOLES IN EXISTING STRUCTURAL STEEL MEMBERS SHALL BE FI DRILLED, 뷰" DIAMETER. |
| DESIGN SPECIFICATIONS THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017, | 9. ALL HIGH STRENGTH BOLTS SHALL BE $\frac{7}{8}$ " DIAMETER BOLTS, CONFORM TO AASHTO DESIGNATION M 164, AND SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO M 298 (ASTM B645) CLASS 50. BOLTS SHALL BE INSTALLE ACCORDANCE WITH SECTION 824 OF THE RI STANDARD SPECIFICATIONS. |
| INCLUDING ALL INTERIM REVISIONS THRU 2018. THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL 2007 EDITION INCLUDING ALL REVISIONS TO DATE. ALL OTHER APPLICABLE DESIGN SPECIFICATIONS ARE REFERENCED | 10. WASHERS MEETING AASHTO DESIGNATION M 293 ARE TO BE USED OVER HOLES THAT ARE MORE THAN 追" IN DIAMETER GREATER THAN THE BOLT DIAMETER AND UNDER ALL PARTS TURNED DURING ASSEMBLY. NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH M05.04.4 OF THE STANDARD SPECIFICATION. |
| SECTION 1 OF THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL DATED 2007. | 11. THE EXACT LOCATION OF FIELD DRILLED BOLT HOLES TO BE DETERMINED THE FIELD. |
| 3. IN CASE OF CONFLICT, THE AASHTO LRFD BRIDGE DESIGN MANUAL, 8TH EDITION, AND ALL INTERIMS THRU 2018 SHALL GOVERN. | 12. WHERE BOLT LOCATIONS COINCIDE WITH HEAVILY DETERIORATED PORTIONS THE WEB, (MATERIAL LOSS GREATER THAN ¹ / ₈ ") THE BOLTS SHALL HAVE DOUBLE NUTS. THE FIRST NUT SHALL BE SEATED SNUG—TIGHT AGAINST T SURFACE AND THEN HELD IN PLACE WITH A WRENCH WHILE TIGHTENING |
| STRUCTURAL STEEL: (NEW COMPONENTS) AASHTO DESIGNATION M270, GRADE 50 | 13. IF THE CONTRACTOR ANTICIPATES CLEARANCE AND/OR ENTRY ISSUES FOR INSTALLATION OF REPAIR PLATES DUE TO BOLT SPACING, HE MAY SUBMIT |
| CLEANING STRUCTURAL STEEL | REVISED BOLTING SCHEMATIC(S), SUBJECT TO APPROVAL OF THE ENGINEE |
| 1. THE CONTRACTOR IS HEREBY NOTIFIED THAT THE COATING SYSTEM ON THE EXISTING STEEL MAY CONTAIN LEAD BASED PAINT. THE CONTAINMENT, REMOVAL, HANDLING, AND DISPOSAL OF THE EXISTING PAINT AND ABRASIVE MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, AND ALL | RESULTING FROM REPAIR AREAS WITH SECTION LOSS, HOLES, VOIDS AND SURFACE IRREGULARITIES, THE CONTRACTOR IS PERMITTED TO FILL SAID DEFECTS WITH AN APPROVED STRUCTURAL EPOXY RESIN PASTE PRIOR TO INSTALLING THE REPAIR COMPONENTS. |
| APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. 2. ALL DIRT, RUST, SCALE, SLAG, AND OTHER FOREIGN MATTER SHALL BE | 15. WELDING OF ATTACHMENTS TO GIRDER FLANGES OR WEBS FOR CONSTRUC PURPOSES IS NOT PERMITTED EXCEPT WHEN APPROVED BY THE ENGINEE |
| REMOVED FROM THE EXISTING STRUCTURE IN THE VICINITY OF ANY REPAIR WORK. ANY CLEANING OR MINOR MODIFICATIONS TO COMPONENTS OF THE EXISTING STRUCTURE SUCH AS GRINDING, WELDING, OR DRILLING HOLES SHALL BE CONSIDERED INCIDENTAL TO THOSE ELEMENTS AND NO ADDITIONAL ALLOWANCE WILL BE MADE FOR SUCH WORK. IF THE CONTRACTOR'S OPERATION DAMAGES EXISTING MATERIALS TO REMAIN, REPAIRS SHALL BE | 16. PRIOR TO SHOP COATING AS SPECIFIED IN SECTION 825 OF THE RI STANDARD SPECIFICATIONS, ALL CORNERS AND EDGES OF STEEL WHICH H BEEN FLAME CUT OR OTHERWISE HARDENED SHALL BE SOFTENED BY GRINDING OR BLAST-CLEANING TO PROVIDE A SURFACE SUITABLE FOR APPLICATION OF THE ZINC-RICH PRIMER. |
| MADE WITHOUT ADDITIONAL COMPENSATION. | 17. THE SHOPS FABRICATING THE STRUCTURAL STEEL (FOR STEEL GIRDER REPAIR), SHALL, AT A MINIMUM, BE CERTIFIED FOR "SIMPLE STEEL BRIDG STRUCTURES (SBR)" IN ACCORDANCE WITH THE AISC QUALITY CERTIFICATION PROGRAM OR EQUIVALENT. |
| Juil - | THE SHOPS SHALL ALSO BE CERTIFIED UNDER THE AISC "SOPHISTICATED PAINT ENDORSEMENT (SPE)" QUALITY PROGRAM OR THE SSPC-QP3 PAINT CERTIFICATION PROGRAM. |
| | THE FABRICATOR MUST SUBMIT PROOF OF CURRENT CERTIFICATION AS SPECIFIED. |
| | |

L STEEL NOTES

ACTOR PERFORMING THE WORK SHALL BE, AT MINIMUM, CERTIFIED FIFIED STEEL ERECTOR (CSE)" IN ACCORDANCE WITH THE AISC RTIFICATION PROGRAM. THE CERTIFIED CONTRACTOR SHALL BE O SUBMIT PROOF OF CURRENT CERTIFICATION, AS REQUIRED.

REPAIRS SHALL BE PERFORMED AFTER THE EXISTING STRUCTURAL HE LOCATIONS SPECIFIED IN THESE CONTRACT DOCUMENTS HAVE ACE PREPPED.

REPARATION OF EXISTING STRUCTURAL STEEL FOR THIS CONTRACT SIST OF WIRE-BRUSHING EXISTING WEBS & FLANGES IN CONTACT DSED REPAIR COMPONENTS, INCLUDING FILLER PLATES AND REPAIR

ED SURFACE OF NEW STEEL COMPONENTS SHALL BE PAINTED IN WITH SECTION 825 OF THE RHODE ISLAND STANDARD ON, LATEST EDITION WITH ALL INTERIMS. THE COLOR OF THE TOP MATCH EXISTING PAINT COLOR TO THE GREATEST EXTENT DAMAGE TO THE PAINTING SYSTEM ON THE NEW/EXISTING STEEL 'S SHALL BE TOUCHED UP BY THE CONTRACTOR WITH THE SAME STEM USED ON NEW STEEL COMPONENT.

IOLES IN EXISTING STRUCTURAL STEEL MEMBERS SHALL BE FIELD DIAMETER.

STRENGTH BOLTS SHALL BE $\frac{2}{3}$ " DIAMETER BOLTS, CONFORM TO SIGNATION M 164, AND SHALL BE GALVANIZED IN ACCORDANCE O M 298 (ASTM B645) CLASS 50. BOLTS SHALL BE INSTALLED IN WITH SECTION 824 OF THE RI STANDARD SPECIFICATIONS.

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FED. ROAD DIV. NO. STATE

FEDERAL AID PROJECT NO.

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| GE | ENERAL NOTES | STRUCTURAL STEEL NOTES |
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| 1. | ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH: | FOR LOCATION OF STRUCTURAL STEEL REPAIRS, REFER TO THE BRIDGE 067801 FRAMING PLAN. |
| | • THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (RI STANDARD SPECIFICATIONS), 2004 EDITION AMENDED MARCH, 2018 WITH SUPPLEMENT NO. 20 DATED JUNE, 2019. | 2. THE CONTRACTOR PERFORMING THE WORK SHALL BE, AT MINIMUM, CER AS A "CERTIFIED STEEL ERECTOR (CSE)" IN ACCORDANCE WITH THE AIS QUALITY CERTIFICATION PROGRAM. THE CERTIFIED CONTRACTOR SHALL B REQUIRED TO SUBMIT PROOF OF CURRENT CERTIFICATION, AS REQUIRED |
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| | WHICH DEVIATE FROM THE DIMENSIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FABRICATION AND FIT OF HIS WORK. | 5. PRIOR TO FABRICATION, ALL MATERIALS SHALL FIRST BE SOLVENT CLEA SSPC-SP1 TO REMOVE ALL OIL, GREASE AND DIRT; FOLLOWED BY BLAST-CLEANING TO SSPC-SP10 TO REMOVE ALL MILL SCALE, RUST, |
| 3. | BOTH FEDERAL AND STATE LAW (RI. GENERAL LAW 39-1.2) REQUIRE NOTIFICATION OF APPROPRIATE UTILITY COMPANIES BEFORE DIGGING, | OTHER DELETERIOUS MATERIALS FROM THE SURFACES OF THE STEEL TO FABRICATED. |
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| 4 | DEEMED APPROPRIATE BY THE STATE AND/OR THE IMPACTED UTILITY COMPANY) AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS TO ENSURE THE | COLOR OF TOP COAT FOR ALL SHOP AND FIELD COATINGS SHALL MA THE COLOR OF THE EXISTING PAINT. THE CONTRACTOR SHALL CONSUL RECORD PLAN SETS FOR NECESSARY INFORMATION. |
| | STABILITY OF ALL STRUCTURAL ELEMENTS UNTIL THE REHABILITATION IS COMPLETE. | 7. WELDING SHALL BE IN ACCORDANCE WITH THE LATEST BRIDGE WELDING AASHTO/AWS D1.5 (INCLUDING ALL INTERIMS TO DATE) AND APPLICABLE |
| 5. | ABRASIVE BLAST CLEANING, FIELD PAINTING, AND DISPOSAL OF LEAD DEBRIS (AS APPLICABLE) SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. | |
| DE | ESIGN DATA | 9. WELDING OF ATTACHMENTS TO GIRDER FLANGES OR WEBS FOR CONSTR PURPOSES IS NOT PERMITTED EXCEPT WHEN APPROVED BY THE ENGINI |
| 1. | DESIGN SPECIFICATIONS | 10. PRIOR TO SHOP COATING AS SPECIFIED IN SECTION 825 OF THE RI |
| | THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017, INCLUDING ALL INTERIM REVISIONS THRU 2018. THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL 2007 EDITION INCLUDING ALL REVISIONS TO DATE. | STANDARD SPECIFICATIONS, ALL CORNERS AND EDGES OF STEEL WHICH BEEN FLAME CUT OR OTHERWISE HARDENED SHALL BE SOFTENED BY |
| 2. | ALL OTHER APPLICABLE DESIGN SPECIFICATIONS ARE REFERENCED | 11. THE WORK ASSOCIATED WITH STRUCTURAL STEEL REPAIRS MUST BE |
| | • SECTION 1 OF THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL DATED 2007. | CONDUCTED IN ACCORDANCE WITH THE PROPOSED MAINTENANCE AND PROTECTION OF TRAFFIC PLANS (BY OTHERS) AND THE TIME RESTRICTION SPECIFIED ELSEWHERE. |
| 3. | IN CASE OF CONFLICT, THE AASHTO LRFD BRIDGE DESIGN MANUAL, 8TH EDITION, AND ALL INTERIMS THRU 2018 SHALL GOVERN. | (12. THE SHOPS FABRICATING THE STRUCTURAL STEEL (FOR STEEL GIRDER REPAIR), SHALL, AT A MINIMUM, BE CERTIFIED FOR "SIMPLE STEEL BRID STRUCTURES (SBR)" IN ACCORDANCE WITH THE AISC QUALITY CERTIFICA PROGRAM OR EQUIVALENT. |
| <u>M/</u> | ATERIALS | THE SHOPS SHALL ALSO BE CERTIFIED UNDER THE AISC "SOPHISTICATE |
| | W STRUCTURAL STEEL: SHTO DESIGNATION M270, GRADE 50 | PAINT ENDORSEMENT (SPE)" QUALITY PROGRAM OR THE SSPC-QP3 PAI CERTIFICATION PROGRAM. |
| CL | EANING STRUCTURAL STEEL | THE FABRICATOR MUST SUBMIT PROOF OF CURRENT CERTIFICATION AS SPECIFIED. |
| 1. | THE CONTRACTOR IS HEREBY NOTIFIED THAT THE COATING SYSTEM ON THE EXISTING STEEL MAY CONTAIN LEAD BASED PAINT. THE CONTAINMENT, REMOVAL, HANDLING, AND DISPOSAL OF THE EXISTING PAINT AND ABRASIVE MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. | |
| 2. | ALL DIRT, RUST, SCALE, SLAG, PAINT, AND OTHER FOREIGN MATTER SHALL BE REMOVED FROM THE EXISTING STRUCTURE IN THE VICINITY OF ANY REPAIR WORK. ANY CLEANING OR MINOR MODIFICATIONS TO COMPONENTS OF THE EXISTING STRUCTURE SUCH AS GRINDING, WELDING, OR DRILLING HOLES SHALL BE CONSIDERED INCIDENTAL TO THOSE ELEMENTS AND NO ADDITIONAL ALLOWANCE WILL BE MADE FOR SUCH WORK. IF THE CONTRACTOR'S OPERATION DAMAGES EXISTING MATERIALS TO REMAIN, REPAIRS SHALL BE MADE WITHOUT ADDITIONAL COMPENSATION. | |

AL STEEL NOTES

RACTOR PERFORMING THE WORK SHALL BE, AT MINIMUM, CERTIFIED TIFIED STEEL ERECTOR (CSE)" IN ACCORDANCE WITH THE AISC ERTIFICATION PROGRAM. THE CERTIFIED CONTRACTOR SHALL BE TO SUBMIT PROOF OF CURRENT CERTIFICATION, AS REQUIRED.

L STEEL SHALL BE PREPARED AND PAINTED IN ACCORDANCE WITH ANDARD SPECIFICATIONS.

FABRICATION, ALL MATERIALS SHALL FIRST BE SOLVENT CLEANED TO TO REMOVE ALL OIL, GREASE AND DIRT; FOLLOWED BY ANING TO SSPC-SP10 TO REMOVE ALL MILL SCALE, RUST, AND ETERIOUS MATERIALS FROM THE SURFACES OF THE STEEL TO BE

SHOP COATING AS SPECIFIED IN SECTION 825 OF THE RI SPECIFICATIONS, ALL CORNERS AND EDGES OF STEEL WHICH HAVE IE CUT OR OTHERWISE HARDENED SHALL BE SOFTENED BY OR BLAST-CLEANING TO PROVIDE A SURFACE SUITABLE FOR IN OF THE SPECIFIED PAINT SYSTEM.

MPLETION OF ALL FABRICATION AND PRIOR TO THE APPLICATION OF PRIMER COAT THE STRUCTURAL STEEL SHALL BE RESTORED TO -SP10 CONDITION.

HALL BE IN ACCORDANCE WITH THE LATEST BRIDGE WELDING CODE VS D1.5 (INCLUDING ALL INTERIMS TO DATE) AND APPLICABLE NTAL AWS PUBLICATIONS.

F ATTACHMENTS TO GIRDER FLANGES OR WEBS FOR CONSTRUCTION IS NOT PERMITTED EXCEPT WHEN APPROVED BY THE ENGINEER.

SHOP COATING AS SPECIFIED IN SECTION 825 OF THE RI SPECIFICATIONS, ALL CORNERS AND EDGES OF STEEL WHICH HAVE E CUT OR OTHERWISE HARDENED SHALL BE SOFTENED BY OR BLAST-CLEANING TO PROVIDE A SURFACE SUITABLE FOR N OF THE ZINC-RICH PRIMER.

PAINTING OF EXISTING STRUCTURAL

- 1. THE EXISTING STRUCTURAL STEEL SHALL BE REPAIL SHOWN ON THE PLANS, OR AS DIRECTED BY THE
- 2. THE EXISTING STRUCTURAL STEEL TO BE REPAINTE BE LIMITED TO, GIRDERS, STIFFENERS, AND FASTEN
- 3. PERSONNEL AND ENVIRONMENTAL PROTECTION, AND COLLECTION, STORAGE, AND DISPOSAL OF DEBRIS SHALL CONFORM TO SECTION 826 OF THE RI STAN EXCEPT PAYMENT.
- 4. THE WORK ASSOCIATED WITH SETTING UP, MAINTAIN CONTAINMENT SYSTEM FOR THE SURFACE PREPARA EXISTING STRUCTURAL STEEL, MUST BE CONDUCTED THE PROPOSED MAINTENANCE AND PROTECTION OF OTHERS) AND THE TIME RESTRICTIONS SPECIFIED E
- 5. ALL EXISTING STRUCTURAL STEEL DESIGNATED TO CLEANED WITH ABRASIVE BLAST CLEANING TO SSPO
- 6. ANY COMPONENT NOT DESIGNATED TO BE REPAINT PROTECTED FROM CLEANING OPERATIONS.
- 7. ANY DAMAGE RESULTING FROM THE CONTRACTOR'S OPERATIONS, SHALL BE REPAIRED BY THE CONTRA OF THE ENGINEER AT NO ADDITIONAL COST TO THI
- 8. THE CONTRACTOR SHALL NOTE THE POTENTIAL PRE CHROMIUM. OR OTHER HAZARDOUS MATERIALS WHI DURING THE CONTRACTOR'S MEANS AND METHODS WORK REQUIRED UNDER THIS CONTRACT. NO ADD WILL BE MADE TO THE CONTRACTOR FOR REMOVIN DISPOSING OF THESE MATERIALS.
- 9. COLOR OF TOP COAT FOR ALL SHOP AND FIELD C COLOR OF THE EXISTING PAINT. THE CONTRACTOR PLAN SETS FOR NECESSARY INFORMATION.

| | | - | FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
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| AINTED WITHIN REPAIR LIMITS ENGINEER. | | | | | | | | |
| ED SHALL INCLUDE, BUT NOT NERS. | | | | | | | | |
| ID CONTAINMENT, AND SPENT MATERIALS, ANDARD SPECIFICATIONS, | | | | | | | | |
| INING, AND REMOVING THE ATION AND REPAINTING OF ED IN ACCORDANCE WITH F TRAFFIC PLANS (BY ELSEWHERE. | | | | | | | | |
| BE REPAINTED SHALL BE PC SP10 | | | | | | | | |
| TED SHALL BE ADEQUATELY | | | | | | | | |
| 5 CLEANING OR REPAINTING ACTOR TO THE SATISFACTION HE STATE. | | | | | | | | |
| RESENCE OF LEAD, IICH SHALL BE CONSIDERED FOR PERFORMING THE DITIONAL TIME OR PAYMENT NG, HANDLING, AND | | | | | | | | |
| COATINGS SHALL MATCH THE R SHALL CONSULT RECORD | | | | | | | | |
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| | REVISIONS | | | | EISLAND | <u></u> | · . — I | |
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| Tran Systems | | | | | | | | |
| MERIDEN, CT. 06450 | | CHECKED BY _ | | | E el Repair Genero | | | |
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| | ENERAL NOTES | <u>ST</u> | RUCTU |
|-----------|---|-----------|---|
| 1. | ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH: | 1. | FOR LOCA 067901 F |
| | THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (RI STANDARD SPECIFICATIONS), 2004 EDITION AMENDED MARCH, 2018 WITH SUPPLEMENT NO. 20 DATED JUNE, 2019. | 2. | THE CONT AS A "CE QUALITY (REQUIRED |
| | THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, 8TH EDITION (2017) INCLUDING THE LATEST INTERIM REVISIONS. | 3. | ALL STRU STEEL US 824 OF T INTERIMS. |
| 2. | DIMENSIONS, STATIONS, ELEVATIONS, AND ANGLES OF THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE ORIGINAL CONSTRUCTION. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS REQUIRED FOR PROPER PERFORMANCE OF THE WORK. FIELD CONDITIONS MAY EXIST WHICH DEVIATE FROM THE DIMENSIONS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FABRICATION AND FIT OF HIS WORK. | 4. | ANY SHOF SHOP-AP 825 OF F TOP COAT DURING T CONTRACT |
| 3. | BOTH FEDERAL AND STATE LAW (RI. GENERAL LAW 39–1.2) REQUIRE NOTIFICATION OF APPROPRIATE UTILITY COMPANIES BEFORE DIGGING, TRENCHING, BLASTING, DEMOLISHING, BORING, BACK FILLING, GRADING, LANDSCAPING, OR OTHER EARTH MOVING OPERATIONS. IT IS THE | 5. | THE ENGI WELDING AASHTO/A SUPPLEME |
| | CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES (INCLUDING THROUGH THE "DIG SAFE" PROGRAM) TO ENSURE THAT ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD, HAVE BEEN MARKED BEFORE COMMENCEMENT OF SUCH WORK. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL | 6. | INSPECTIO SPECIFICA |
| | UTILITIES SUBSCRIBE TO THE "DIG SAFE" PROGRAM. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANIES, SHALL BE REPAIRED OR REPLACED (AS DEEMED APPROPRIATE BY THE STATE AND/OR THE IMPACTED UTILITY | | WELDING PURPOSES PRIOR TO |
| 4. | COMPANY) AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL TAKE THE PROPER PRECAUTIONS TO ENSURE THE STABILITY OF ALL STRUCTURAL ELEMENTS UNTIL THE REHABILITATION IS | | STANDARD BEEN FLA GRINDING APPLICATI |
| 5. | COMPLETE. ABRASIVE BLAST CLEANING, FIELD PAINTING, AND DISPOSAL OF LEAD DEBRIS (AS APPLICABLE) SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. | 9. | THE WORK CONDUCTE PROTECTION SPECIFIED |
| DE | ESIGN DATA | RE | |
| 1. | DESIGN SPECIFICATIONS | 1. | THE EXIS SHOWN O |
| | THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION, 2017, INCLUDING ALL INTERIM REVISIONS THRU 2018. THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL 2007 EDITION INCLUDING ALL DEVISIONS TO DATE | 2. | THE EXIS BE LIMITE |
| 2. | ALL REVISIONS TO DATE. ALL OTHER APPLICABLE DESIGN SPECIFICATIONS ARE REFERENCED | 3. | PERSONNI COLLECTIO |
| | SECTION 1 OF THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL DATED 2007. | | SHALL CC EXCEPT P |
| 3. | IN CASE OF CONFLICT, THE AASHTO LRFD BRIDGE DESIGN MANUAL, 8TH EDITION, AND ALL INTERIMS THRU 2018 SHALL GOVERN. | 4. | THE WORI CONTAINM EXISTING THE PROF |
| <u>Cl</u> | EANING STRUCTURAL STEEL | 5 | OTHERS) ALL EXIST |
| 1. | THE CONTRACTOR IS HEREBY NOTIFIED THAT THE COATING SYSTEM ON THE EXISTING STEEL MAY CONTAIN LEAD BASED PAINT. THE CONTAINMENT, REMOVAL, HANDLING, AND DISPOSAL OF THE EXISTING PAINT AND ABRASIVE | | CLEANED ANY COM |
| | MATERIAL SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS, AND ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS. | | PROTECTE |
| 2. | ALL DIRT, RUST, SCALE, SLAG, PAINT, AND OTHER FOREIGN MATTER SHALL BE | 7. | |
| 2. | ALL DIRT, RUST, SCALE, SLAG, PAINT, AND OTHER FOREIGN MATTER SHALL BE REMOVED FROM THE EXISTING STRUCTURE IN THE VICINITY OF ANY REPAIR WORK. ANY CLEANING OR MINOR MODIFICATIONS TO COMPONENTS OF THE EXISTING STRUCTURE SUCH AS GRINDING, WELDING, OR DRILLING HOLES | | OF THE E |
| 2. | ALL DIRT, RUST, SCALE, SLAG, PAINT, AND OTHER FOREIGN MATTER SHALL BE REMOVED FROM THE EXISTING STRUCTURE IN THE VICINITY OF ANY REPAIR WORK. ANY CLEANING OR MINOR MODIFICATIONS TO COMPONENTS OF THE | 8. | OPERATION OF THE E REPAINTIN STRAIGHTE THE CONT CHROMIUN DURING T WORK REP WILL BE DISPOSING |

RAL STEEL NOTES

ATION OF STRUCTURAL STEEL REPAIRS, REFER TO THE BRIDGE FRAMING PLAN.

TRACTOR PERFORMING THE WORK SHALL BE, AT MINIMUM, CERTIFIED ERTIFIED STEEL ERECTOR (CSE)" IN ACCORDANCE WITH THE AISC CERTIFICATION PROGRAM. THE CERTIFIED CONTRACTOR SHALL BE TO SUBMIT PROOF OF CURRENT CERTIFICATION. AS REQUIRED.

JCTURAL STEEL REPAIR COMPONENTS SHALL BE GRADE 50. THE SED SHALL SATISFY ALL REQUIREMENTS AS DESCRIBED IN SECTION THE RIDOT STANDARD SPECIFICATIONS, LATEST EDITION WITH ALL

OP FABRICATED STRUCTURAL STEEL REPAIR PLATES SHALL RECEIVE A PLIED COAT OF ZINC-RICH PRIMER IN ACCORDANCE WITH SECTION RI STANDARD SPECIFICATIONS, LATEST EDITION WITH ALL INTERIMS. NO IS REQUIRED. DAMAGE TO THE SHOP-APPLIED ZINC RICH PRIMER FRANSPORTATION OR ERECTION SHALL BE TOUCHED UP BY THE TOR WITH A SUITABLE ZINC-RICH PRIMER TO THE SATISFACTION OF NEER, AT NO COST TO THE STATE.

SHALL BE IN ACCORDANCE WITH THE LATEST BRIDGE WELDING CODE AWS D1.5 (INCLUDING ALL INTERIMS TO DATE) AND APPLICABLE IENTAL AWS PUBLICATIONS.

ON OF WELDS SHALL BE IN ACCORDANCE WITH THE RI STANDARD ATIONS AND THE AASHTO/AWS BRIDGE WELDING CODE.

OF ATTACHMENTS TO GIRDER FLANGES OR WEBS FOR CONSTRUCTION ES IS NOT PERMITTED EXCEPT WHEN APPROVED BY THE ENGINEER.

SHOP COATING AS SPECIFIED IN SECTION 825 OF THE RI SPECIFICATIONS, ALL CORNERS AND EDGES OF STEEL WHICH HAVE AME CUT OR OTHERWISE HARDENED SHALL BE SOFTENED BY OR BLAST-CLEANING TO PROVIDE A SURFACE SUITABLE FOR ION OF THE ZINC-RICH PRIMER.

RK ASSOCIATED WITH STRUCTURAL STEEL REPAIRS MUST BE FED IN ACCORDANCE WITH THE PROPOSED MAINTENANCE AND ON OF TRAFFIC PLANS (BY OTHERS) AND THE TIME RESTRICTIONS ELSEWHERE.

<u>NG OF EXISTING STRUCTURAL STEEL</u>

STING STRUCTURAL STEEL SHALL BE REPAINTED WITHIN REPAIR LIMITS ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

STING STRUCTURAL STEEL TO BE REPAINTED SHALL INCLUDE, BUT NOT ED TO, GIRDERS, STIFFENERS, AND FASTENERS.

NEL AND ENVIRONMENTAL PROTECTION, AND CONTAINMENT, ION, STORAGE, AND DISPOSAL OF DEBRIS AND SPENT MATERIALS, ONFORM TO SECTION 826 OF THE RI STANDARD SPECIFICATIONS, PAYMENT.

K ASSOCIATED WITH SETTING UP, MAINTAINING, AND REMOVING THE IENT SYSTEM FOR THE SURFACE PREPARATION AND REPAINTING OF STRUCTURAL STEEL, MUST BE CONDUCTED IN ACCORDANCE WITH POSED MAINTENANCE AND PROTECTION OF TRAFFIC PLANS (BY AND THE TIME RESTRICTIONS SPECIFIED ELSEWHERE.

TING STRUCTURAL STEEL DESIGNATED TO BE REPAINTED SHALL BE WITH ABRASIVE BLAST CLEANING TO SSPC SP10

IPONENT NOT DESIGNATED TO BE REPAINTED SHALL BE ADEQUATELY ED FROM CLEANING OPERATIONS.

AGE RESULTING FROM THE CONTRACTOR'S CLEANING OR REPAINTING INS, SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION ENGINEER AT NO ADDITIONAL COST TO THE STATE.

NG OF THE STRUCTURE SHALL NOT COMMENCE UNTIL HEAT ENING OPERATIONS ARE COMPLETE .

TRACTOR SHALL NOTE THE POTENTIAL PRESENCE OF LEAD, M, OR OTHER HAZARDOUS MATERIALS WHICH SHALL BE CONSIDERED THE CONTRACTOR'S MEANS AND METHODS FOR PERFORMING THE EQUIRED UNDER THIS CONTRACT. NO ADDITIONAL TIME OR PAYMENT MADE TO THE CONTRACTOR FOR REMOVING, HANDLING, AND IG OF THESE MATERIALS.

OF TOP COAT FOR ALL SHOP AND FIELD COATINGS SHALL MATCH THE OF THE EXISTING PAINT. THE CONTRACTOR SHALL CONSULT RECORD TS FOR NECESSARY INFORMATION.

<u>SŤRŮCTŮRĂL ŠTĚEĽ NÔTĚS ČOŇTIŇUĚ</u>

10. THE SHOPS FABRICATING THE STRUCTURAL STEEL REPAIR), SHALL, AT A MINIMUM, BE CERTIFIED FOR STRUCTURES (SBR)" IN ACCORDANCE WITH THE AI PROGRAM OR EQUIVALENT.

| RUCTURAL STEEL NOTES CONTINUED | | FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|--|-----|-----------------------|-------|----------------------------|----------------|--------------|-----------------|
| COTORNE STELL MOTES CONTINUED | R-1 | | RI | | 2019 | 1 | 2 |
| THE SHOPS FABRICATING THE STRUCTURAL STEEL (FOR STEEL GIRDER REPAIR), SHALL, AT A MINIMUM, BE CERTIFIED FOR "SIMPLE STEEL BRIDGE STRUCTURES (SBR)" IN ACCORDANCE WITH THE AISC QUALITY CERTIFICATION PROGRAM OR EQUIVALENT. | | | L I | | | | |
| THE SHOPS SHALL ALSO BE CERTIFIED UNDER THE AISC "SOPHISTICATED PAINT ENDORSEMENT (SPE)" QUALITY PROGRAM OR THE SSPC-QP3 PAINT CERTIFICATION PROGRAM. | | | | | | | |
| THE FABRICATOR MUST SUBMIT PROOF OF CURRENT CERTIFICATION AS | | | | | | | |
| | | | | | | | |

| | | REVISION | S | RHODE ISLAND | | | | | |
|--|-----|----------|-----|--|--|--|--|--|--|
| | NO. | DATE | BY | | | | | | |
| | 1 | 04/23/20 | СМВ | DEPARTMENT OF TRANSPORTATION | | | | | |
| | | | | BR. NO. 067901 STEEL REPAIRS | | | | | |
| | | | | PONTIAC BRANCH RAILROAD | | | | | |
| | | | | OVER I-95 & WELLINGTON AVE. | | | | | |
| | | | | CRANSTON RHODE ISLAND | | | | | |
| ADDENDUM No. 4 | | | | | | | | | |
| | | | | | | | | | |
| | | | | STEEL REPAIR GENERAL NOTES | | | | | |
| Tran Systems | | | | | | | | | |
| 530 PRESTON AVENUE MERIDEN, CT. 06450 | | | | CHECKED BY DATE SCALE <u>AS NOTED</u> | | | | | |
| | | | | 067901 Steel Repair General Notes R—1 ADD4 | | | | | |