Addendum

Iowa Department of Transportation Office of Contracts

Date of Letting: June 18, 2013 Date of Addendum: June 7, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
451	04-FE08-076	MISCELLANEOUS	APPANOOSE	RPD-FE08(76)8B-04	18JUN451.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Make the following change to Plan Sheet C.08:

Replace Plan Sheet C.08 with the attached Plan Sheet C.08.

C.08 SETTING — PRIEND TO PLACATION THE ANALOGR BOLTS THE ANCHORG HOLE MUST BE CELEAL AND SOUND. SUPFACE SHALL BE FREE OF STANDING WATER. REMOVE DUST, OREASE, POEKON PARTICLES, AND DISHIEGANED METHERALS BY MECHANICAL. DESCAINDING WATER, STANDING WATER, REMOVED DUST, DESCAINDING TO COLOMBE DY AN OIL—FREE AMERICAST. MIX AND PLACE GRADIU IN ACCORDANCE WITH THE MANUFACTIONES INSTRUCTIONS, MAKING STANDING TO STANDING TO STANDING TO STANDING TO STANDING TO MANUFOR WHICH TAMP, NO ARE VOIDS REVAIN IN THE ANCHOR HOLE. TAMP, TO MANUFOR THE THE MANUFACTION STANDING TO STANDING THE THE MANUFACTION STANDING THE S THE CONTRACTOR SHALL FURNISH AND INSTALL BEARING PADS AS DETAILED IN THE WANS. ALL LABOR, WATERIAL, IND EQUIPMENT TO PROFERLY INSTALL THE BEARING PADS SHALL BE PURNISHED BY THE CONTRACTOR. 2. GROUT — GROUT USED TO FILL THE GROUT POCKETS OF THE ANCHOR BOLTS SHALL BE A NON-SHRINKING, FLOWBLE TE, SUITABLE FOR FILLING CAVITES UNDER \$\frac{X}{X}\$ INCH THICK. SET 45, TRANSPO 1—17 POLYMER CONCRETE, OR DECADECK POLYMER CONCRETE, FILLER, OR APPROVED EQUAL, SHALL BE USED. Defilials — Avoid Defilialur Ginto Concrett. There stall et en depressions Defilials. The Concrett Must be cored in Strad. Take Care to Avoid Strands IN PRECAST CONCRETT. THUP BOLTS IN THIBRES TALLE BINSTILLED IN 17/6". GREATER HOLES, HOLES IN THRER FOR DRIFT PAIS SHALL BE SAME DIABETER AS PIN, DRILLED 2-3". SHORT, HOLES FOR WHOS IN TIMBER SHALL BE 1/16"—1/8". LESS HIAN DAMETER. ANCHOR BOLTS — ALL ANCHOR BOLTS SHALL BE CUT FROM GALVANIZED THREADED ROOL CONFORMING TO STATIF 15554. ALL CUTS SHALL BE FINNESHED WITH A COLD GALVANIZATION. ONE (1) SALVANIZED HEX HEAD MECHANICAL LOCK NUT AND ONE (1) GALVANIZED WASHER SHALL BE FURNISHED WITH EACH ANCHOR BOLT. TIGHTENING — AFTER CURING, ALL ANCHORS FOR EXPANSION TYPE BEARINGS SHALL BE FULLY TIGHTENED (IF APPLICABLE). C. MEASUREMENT AND PAYMENT — SEE STANDARD SPECIFICATIONS FOR STRUCTURAL STEEL BID ITEM. EA 3 REINFORCING PARTIALLY EMBEDDED IN CONCRETE OR IN MORTAR IN DOWEL HOLES SHALL NOT BE FIELD BENT, EXCEPT AS PERMITTED BY THE ENGINEER. AROUND A PIN LOW-RELAXATION STRAND FOR PRESTRESSING STEEL SHALL CONFORM TO ASTIM A416.

C. MESUREMENT AND PAYMENT – SEE ARTICLE 2.21 FOR MEASUREMENT AND PAYMENT Ь BEARING PADS SHALL BE SET LEYEL IN EXACT POSITION AND SHALL HAVE FULL AND EVEN BEARINGS SHALL BE SET DEAD SHALL HE FOR DAY IN THE PROPER LOCATION AT A TEMPERATURE OF SOFT UNDER FULL DEAD LOAD. THIS TEMPERATURE BEARINGS SHALL BE CENTERED UNDER THE STRUCTURE CENTER U B. MATERIALS
PREFORD DOTTON DUCK REINFORCED NEOPRENE PADS SHALL BE CONSTRUCTED
SYMBETX BY VOSS ENGINEERING, INC. (800) 323-3938, OR SHALL CONFORM TO
MIL-SPEC MIL-C-882 SPECFICATIONS, OR APPROVED EQUAL. PROJECT PLAN SUPPLEMENTAL SPECIFICATIONS ARTICLE 2 - APNC BRIDGE NO. 7 REHABILITATION WORK ITEMS NEW BILLET STEEL OR IN THE FIELD PLAIN WIRE FOR SPIRAL REINFORCEMENT SHALL CONFORM TO ASTM DEFORMED REINFORCEMENT SHALL BE INTERMEDIATE GRADE, CONFORMING TO ASTM A615, GRADE 60. REINFORCING BARS SHALL BE BENT COLD IN THE SHOP NOT LESS THAN SIX TIMES THE DIAMETER OF THE BAR. SECURELY WIRED AT ALL INTERSECTIONS, SPECIFICATIONS OR ON THE DRAWINGS. BEARING PADS ANCHOR BOLTS C. CONSTRUCTION B. INSTALLATION A. DESCRIPTION B. MATERIALS 2.8 NOT USED A. MATERIAL 5.9 2.7 \triangleleft NC. #1, ASSOCIATED ENGINEERS Kerry0 SPLICING, THE BARS SHALL BE LAPPED A MINIMUM OF 30 DIAMETERS, AND SHALL BE AFTER THE REMOVAL OF THE FORM WORK ALL FORM ANCHORAGES SHALL BE PATCHED USING AN APPROVED MORTARE, MIXED AND INSTALLED IN ACCORDANCE WITH MANUFACTUREYS WRITTEN INSTRUCTIONS. PATCHING OR REPAIR OF SPALLED OR CHIPPED MEMBERS SHALL BE DONE USING AN APPROVED MORTAR, MIXED AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. APPROVED MORTAR SHALL GOOSELY MAICH THE COLORATION OF THE BASE CONCRETE. 뿔 INTERNAL MECHANICAL VIBRATORS SHALL BE OF A TYPE APPROVED BY THE ENGINEER. THEY SHALL BE OF STURPO VORSTRUCTIONA, ADEQUATELY OWNERD, CAPABLE OF TRANSALTING VIBRATION TO THE CONOREIE IN FREQUENCIES OF NOT LESS THAN TOOD MINUTE AND STALL PRODUCES OF NOT LESS THAN TOOD MINUTE AND STALL PRODUCES OF NOT SHALL AND TOOD CONSCIOLAT AMPLITIONE TO CONSCIOLATE THE CONOREIE INTO LACE WITHOUT A SEPARATION OF THE INSERDENTS. THE TYPE OF VIBRATOR AND EXTENT OF OPERATION SHALL MEET THE APPROVAL OF THE NOTES. FORWINDRK FOR CAST-IN-PLACE CONOREITE MUST REMAIN IN PLACE FOR NO LESS THAN THEE DAYS. PROTECT LLL HOWENED SHAPKES WITH WET BIRLAW UNTIL THE FORMS ARE REMOVED. TORMINDRK FOR PRESTRESSED CONOREITE LAY ERBLOVED. MINIMUM STERIOH FOR THE STRESSED CONOREITE LAY ERBLOVED. PLAN REVISION 88 ADDENDUM #1 06/06/2013 H FABRICATION OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF CRSI MANUAL OF STANDARD PRACTICE. RESTORE ALL UNFORMED SURFACES TO AN EVEN AND SMOOTH FINISH WITH A WOOD HARD RUBBER FLOATI, MAKE FORMED SURFACES WITH PLYWOOD FACED WOOD FORMS, WITH STELL FACED FORMS. MEASHEAMT AND PAYMENT — SEE ARTICLE 2.21 FOR PRECAST CAP AND BEARING BLOCK MEASUBLEMENT AND PAYMENT.

BLOCK MEASUREMENT AND PAYMENT.

8. & 7) NOT DEPOSITED CONCRETE CONTINUOUSLY AND AS RAPIDLY AS PRACTICABLE UNTIL THE OF OPERATION, APPROVED BY THE ENGINEER, IS COMPLETED. 8 SPRING GREEN, WI PH. (608)588-7866 AND VIBRATE ONLY UNTIL THE CONCRETE HAS BECOME UNIFORMLY PLASTIC , CONTINUE ONCE POOLS OF GROUT ARE FORMED. \triangleleft Jun 06, 2013 WESTBROOK NCE ± 1 INCH ± 1 INCH ALL OTHER DIMENSIONS ± 1/2 INCH 2. SQUARE ENDS (HORIZONTAL PLANE) ± 1 INCH OUT OF SQUARE (PER END) LONGITUDINAL SPACING LONGITUDINAL SPACING ±¾"/-¼" --8B-04 LONGITUDINAL BARS: ILE NAME: G:\00-PROJECT FILES\2009\09177 APNC Bridge #7\12xxx APNC Track and Tie Work\01-CAD\C.08-C.09 article 2 (apnc bridge 7).dwg 3. REINFORCING STEEL VERTICAL BARS G. DIMENSION TOLERANCES STIRRUP BARS SPACING COVER PROJECT NUMBER: RPD-FE08(76) DEPOSITING H. PATCHING FINISHING A. GENERAL FOR \triangleleft COMPRESSION TESTS AND FIELD TESTS WILL BE REQUIRED AS SPECIFIED IN THE AREAA MANALL CAPATRIES & PART 1. ARTIOLET I. THE COMPRESSION STALL THRNISH AREAA MANALL CAPATRIES TO THE STATE OF THE STATE OF THE TEST OF THE CONTRACTOR SHALL INHORISA AND FACE PERCAST, CONCRET CASS AND BEARING BLOCKS AS DETAILED IN THE PLANS, ALL LABOR, MATERIAL, AND EQUIPMENT TO UNLIAND, FORM, HALL, AND PROPERLY PLACE PRECAST CONCRETE SHALL BE FURNISHED BY THE COPINAL MACROTOR. ဝ SLUMP – CONSTENZY RANGE IN SLUMP SHALL BE NO GREATER THAN 6 NOHES. AT LEASY ONE SLUMP TEST SHALL BE MADE FOR EACH TRUCK LOAD OF CONCRETE DELVERED TO THE PROJECT FOR INCLUSION IN THE WORK. A RECORD OF THE AMOUNT OF SLUMP STALL BE MADE AND FORNISHED TO THE BUNNEER. CONCRETE THAT DOES NOT MEET SLUMP RECUIREMENTS SHALL BE RECICED. TEMPERATURE — CONCRETE, WHEN DEPOSITED, SHALL HAVE A TEMPERATURE WITHIN THE LIMITS SHOWN IN THE FOLLOWING TABLE: ALL CONCRETE SHALL BE CONSOLIDATED DURING AND IMMEDIATELY AFTER DEPOSITING BY WITH THE CONCRETE INTERALLY BY MAKEN OF MECHANICAL VIBRATING EQUIPMENT, UNLESS OTHER WISE DIRECTED BY THE ENGINEER. MAXIMUM AGGREGATE SIZE - MAXIMUM SIZE OF COARSE AGGREGATE SHALL BE 34". AS SEFFICERY NUMBER OF MERATORS STALL BE EMPLOYED. SO THAT, AT THE REQUIRED MAN OF PLACEMENT, THOROUGH ON SOLUBLY OF SECURED THROUGHOUT THE ENTIRE VALUE OF FACEMENT, THOROUGH OF SET THAN UNBEATORS SHALL BE ON SITE FOR EVERTORY OF THE OFFICE SET OF AND ≝ STANDARD CONCRETE - USE PORTLAND CEMENT, TYPE I OR IA CONFORMING THE REQUIREMENTS OF ASTM C150. 2. STRENGTH – MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS MUST BE 4,000 PSI, UNIESS INDICATED OTHERWISE ON THE PLANS. EXCEPT AS OTHERWISE SPECIFED, THE CURRENT AMERICAN RALLWAY ENGINEERING AND MANTENANCE OF WAY ASSOCIATION (AREMA) MANUAL FOR RALLWAY ENGINEERING, CAPETER & CONCRETE STRUCTURES AND FOUNDATIONS, SHALL APPLY TO ALL WORK UNDER THIS SPECIFICATION. THE METHOD OF CONTROLLING THE TEMPERATURE OF THE CONCRETE SHALL BE APPROVED BY THE ROWNON OF HEAT TO CONOREITE MINGEDIENTS IS NECESSARY, HEAT SHALL BE APPLIED TO ALL MOREDIENTS IN A MANNER THAT ANY INGREDIENT WILL NOT BE HEATED ABOVE 125 DEGREES F. - THE WATER TO CEMENT RATIO FOR THE MIX SHALL BE HIGH EARLY STRENGTH CONCRETE - USE PORTLAND CEMENT, TYPE III OR CONFORMING TO THE REQUIREMENTS OF ASTM C150. LOW HEAT OF HYDRATION CONCRETE - USE PORTLAND CEMENT, TYPE II CONFORMING TO THE REQUIREMENTS OF ASTM C150. WHEN PLACED DEGREES F
70 MINIMUM 90 MAXIMUM
60 MINIMUM 90 MAXIMUM
50 MINIMUM 90 MAXIMUM TEMPERATURE OF CONCRETE 2013 CAPITAL IMPROVEMENTS -APPANOOSE AND MONROE COUNTIES, IOWA ARTICLE 2 - APNC BRIDGE NO. 7 REHABILITATION WORK NO. 4, 5, & 7) PRECAST CONCRETE (BID ITEM WATER/CEMENT RATIO GREATER THAN 0.45. TEMPERATURE OF AIR BETWEEN 30 AND 45 ABOVE 45 2.1 THROUGH 2.4 NOT USED BELOW 30 B. CONCRETE 1 TYPF \leq APNC