

GENERAL

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

GAS	TRAFFIC
COLUMBIA GAS OF OHIO	ODOT DISTRICT THREE
3101 NORTH RIDGE RD E	906 CLARK AVENUE
LORAIN, OH 44055	ASHLAND, OH 44805
440.240.6144	419.207.2868
ELECTRIC	COMMUNICATION
OHIO EDISON	WINDSTREAM
2508 WEST PERKINS AVENUE	560 TERNES AVENUE
SANDUSKY, OH 44870	ELYRIA, OH 44035
419.627.6881	440.329.4245

THE AFOREMENTIONED UTILITY COMPANIES AND AGENCIES HAVE VARIOUS FACILITIES IN THE AREA THAT WILL REMAIN IN PLACE DURING CONSTRUCTION.

EXTREME CAUTION SHOULD BE EXERCISED IN AREAS WITH UTILITIES. SECTIONS 105.07 AND 107.16 OF THE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS REQUIRE, AMONG OTHER THINGS, THAT THE CONTRACTOR COOPERATE WITH ALL UTILITIES LOCATED WITHIN THE LIMITS OF THIS CONSTRUCTION PROJECT AND TAKE RESPONSIBILITY FOR THE PROTECTION OF THE UTILITY PROPERTY AND SERVICES.

EXISTING PLANS

THE FOLLOWING EXISTING PLANS MAY BE INSPECTED IN THE ODOT DISTRICT THREE OFFICE IN ASHLAND:

PLAN	DATE
LOR-20-12.62	1968
LOR-20-12.59	1997
CRA-30-7.11	2003
LOR-301-0.00	2006
LOR-20-8.56	2011
D03-BH-FY2021A	2020
LOR-301-12.41	2024

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

ROUTINE MAINTENANCE

BETWEEN THE TIME THAT BIDS ARE TAKEN AND THE START OF CONSTRUCTION, THE MAINTAINING AGENCY MAY ENTER UPON THE PROJECT AND PERFORM ROUTINE MAINTENANCE SUCH AS CRACK SEALING, PATCHING, AND BERM AND SHOULDER REPAIR. THE EFFECTS, IF ANY, OF THE PERFORMANCE OF ROUTINE MAINTENANCE SHALL BE CONSIDERED AS INHERENT IN WORK OF THE CHARACTER PROVIDED FOR IN THE PLAN AND THE RESULTING CONDITIONS SHALL NOT BE CONSIDERED AS DIFFERING MATERIALLY FROM THOSE EXISTING AT THE TIME BIDS WERE TAKEN.

STRUCTURE REPAIR

REFERENCES MADE TO STANDARD BRIDGE DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

SUPPLEMENTAL SPECIFICATION	DATE
849	1/18/2013

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK, BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02, AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PRE-BID EXAMINATION OF THE EXISTING STRUCTURE(S). HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

DESIGN SPECIFICATIONS

DESIGN SPECIFICATIONS: THIS STRUCTURE CONFORMS TO THE 10TH EDITION OF THE “LRFD BRIDGE DESIGN SPECIFICATIONS” ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

DESIGN DATA

EXISTING DESIGN:  
DESIGN LOADING: CF 2000 (57)  
STRUCTURAL STEEL: ASTM A36 GRADE 36 – YIELD STRENGTH 36 KSI

NEW STRUCTURAL STEEL:  
ASTM A709 GR 36 OR GR 50– YIELD STRENGTH 36 KSI OR 50 KSI  
CVN IS NOT REQUIRED FOR CROSSFRAME MATERIALS  
CVN IS REQUIRED FOR BEAM MATERIALS

STEEL RESTRAINT OR PRELOAD LIMITS

THE EXISTING STRUCTURAL STEEL IS GRADE ASTM A36. DO NOT SUBJECT ANY PART OF THE STRUCTURE TO A JACKING, PULLING, OR RESTRAINING UNIT STRESS EXCEEDING 18 KSI, OR 50% OF THE YIELD STRESS. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING AND NOT EXCEEDING THESE STRESSES IN THE EXISTING STEEL USING A METHOD APPROVED BY THE ENGINEER.

EXISTING PAINT SYSTEM

THE EXISTING BRIDGE WAS PAINTED IN 1998 WITH A THREE COAT OZEU PAINT SYSTEM. THE FINISH COAT WAS GREEN, ASSUMED TO MEET FEDERAL STANDARD COLOR 14325, BASED ON FIELD OBSERVATION AND SPECIFICATIONS FROM THE 1995 EDITION OF C&MS 708.18. IF THE CONTRACTOR BELIEVES THE BRIDGE TO BE A DIFFERENT FEDERAL STANDARD COLOR, THE COLOR SHOULD BE SWITCHED TO MATCH AFTER FIELD VERIFYING WITH THE ENGINEER.

ITEM 202 – PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS)  
ITEM 202 – PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SECONDARY MEMBERS)

MAIN MEMBER  
THIS ITEM CONSISTS OF THE REMOVAL OF THE EXISTING MAIN BEAM MEMBER TO THE LIMITS SHOWN IN THE PLANS. THIS INCLUDES THE TEMPORARY SUPPORT OF THE EXISTING MAIN MEMBER WHICH SHALL BE IN ACCORDANCE WITH SUPPLEMENTAL SPECIFICATION 849. FLAME OR SAW CUT PORTIONS OF THE EXISTING MAIN MEMBERS USING A MECHANICAL GUIDE ACCORDING TO C&MS 513.12. PROVIDE SHIELDING AS NECESSARY TO PREVENT DAMAGE TO MAIN OR SECONDARY MATERIALS THAT ARE TO REMAIN. GRIND THE REMAINING CUT SURFACES OF THE EXISTING MEMBERS SMOOTH IN PREPARATION FOR COMPLETE PENETRATION WELDING. PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 MIL (TO ACCOMMODATE THE PROPOSED REPLACEMENT MATERIAL).

SECONDARY MEMBERS  
THIS ITEM CONSISTS OF THE REMOVAL OF THE EXISTING SECONDARY MEMBERS TO THE LIMITS SHOWN IN THE PLANS. FLAME OR SAW CUT THE EXISTING SECONDARY MEMBERS ACCORDING TO C&MS 513. PROVIDE SHIELDING AS NECESSARY TO PREVENT DAMAGE TO MAIN OR SECONDARY MATERIALS THAT ARE TO REMAIN. GRIND THE REMAINING SURFACES OF THE EXISTING MEMBERS ADJACENT TO THE REMOVED MEMBER SMOOTH IN PREPARATION FOR COMPLETE PENETRATION OR FILLET WELDING. PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 MIL (TO ACCOMMODATE THE PROPOSED REPLACEMENT MATERIALS).

ALL MEMBERS  
PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE WORK WILL BE MADE AT THE CONTRACT BID PRICE PER POUND FOR ITEM 202 – PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (MAIN MEMBERS) OR ITEM 202 – PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SECONDARY MEMBERS), RESPECTIVELY.

ITEM 849 – DAMAGE ASSESSMENT, AS PER PLAN

THIS ITEM SHALL BE IN ACCORDANCE WITH THE SUPPLEMENTAL SPECIFICATION FOR HEAT STRAIGHTENING OF DAMAGED STRUCTURAL STEEL AND SHALL INCLUDE THE FOLLOWING ADDITIONAL POST-STRAIGHTENING, FINAL INSPECTION, WORK ITEMS:

PERFORM MAGNETIC PARTICLE NON-DESTRUCTIVE TESTING AS PER CMS 513.25.B ON ALL STRUCTURAL WELDS WITHIN THE VICINITY OF THE HEAT STRAIGHTENING.

PERFORM NON-DESTRUCTIVE TESTING ALONG THE INTERSECTION OF THE WEB AND TOP FLANGE WHERE THE EXISTING PAINT HAS PEELLED AWAY AND LOOK FOR EVIDENCE OF CRACKS OR TEARING. PERFORM MAGNETIC PARTICLE OR DYE PENETRANT TESTING AT THESE LOCATIONS.

CHECK ALL OF THE EXISTING BOLTS, NUTS, AND WASHERS IN THE VICINITY OF THE HEAT STRAIGHTENING FOR TIGHTNESS. ADDITIONALLY, SOUND THE BOLTS TO CHECK THEIR CONDITION FOR A POSSIBLE FRACTURE. IF ANY BOLTS ARE FOUND TO BE LOOSE OR DAMAGED, REPLACE THEM WITH NEW BOLTS INSTALLED AS PER C&MS 513.20. PAYMENT FOR THIS WORK SHALL BE INCLUDED UNDER ITEM 849 – DAMAGE ASSESSMENT AS DESCRIBED BELOW.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT BID PRICE FOR ITEM 849 DAMAGE ASSESSMENT, AS PER PLAN, WHICH INCLUDES ALL LABOR, MATERIALS, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE WORK. ANY ADDITIONAL EXISTING DAMAGE FOUND WITH THE ABOVE TESTING AND NOT OTHERWISE ITEMIZED IN THIS PLAN WILL BE PAID VIA CHANGE ORDER.

ITEM 513 – STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (CROSSFRAME MEMBERS)  
ITEM 513 – STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (BEAM SECTION REPLACEMENT)

ALL STEEL MEMBERS:

ALL REQUIREMENTS OF 513 APPLY TO SHOP FABRICATED MEMBERS. PERFORM ALL WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED IN THESE PLANS. THE DEPARTMENT WILL NOT REQUIRE THE CONTRACTOR PERFORMING FIELD FABRICATION TO BE PRE-QUALIFIED AS SPECIFIED IN SUPPLEMENT 1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE, 501.06, TO THE ENGINEER. PROVIDE SHOP DRAWINGS ACCORDING TO 513.06 OR SUPPLY THE ENGINEER WITH “AS-BUILT” DRAWINGS MEETING 513.06 AFTER COMPLETION OF FIELD FABRICATION. THE ENGINEER WILL REVIEW THE SUBMITTED DRAWINGS FOR CONCURRENCE WITH THE FINAL AS-BUILT CONDITION. IF NECESSARY, THE ENGINEER MAY CONTACT THE OFFICE OF STRUCTURAL ENGINEERING FOR TECHNICAL ASSISTANCE. IF THE ENGINEER IS SATISFIED WITH THE AS-BUILT DRAWINGS AND THE DELIVERED MATERIALS, SUPPLY A COPY OF THE DRAWINGS, STAMPED AND DATED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OHIO, TO THE STRUCTURAL, WELDING, AND METALS SECTION OF THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

CROSSFRAME MEMBERS:

PAYMENT FOR THE REPLACEMENT OF DAMAGED CROSS FRAMES SHALL BE AT THE UNIT BID PRICE PER POUND FOR THE ABOVE ITEM, WHICH INCLUDES ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK. THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: CROSS FRAMES: 3” X 3” X 5/16” ANGLE.

BEAM SECTION REPLACEMENT:

THIS ITEM CONSISTS OF PROVIDING AND INSTALLING THE NEW PORTION OF THE ROLLED MAIN BEAM MEMBER AS SHOWN IN THE PLANS, INCLUDING BUT NOT LIMITED TO FIT-UP, COMPLETE PENETRATION WELDING, AND DRILLING AND FINISHING COPE HOLES.

AFTER DAMAGED AREAS HAVE BEEN INSPECTED ACCORDING TO ITEM 849 DAMAGE ASSESSMENT, PREPARE THE DAMAGED MATERIAL FOR WELDING. PROVIDE RUNOFF TABS FOR ALL COMPLETE PENETRATION WELDS. PERFORM COMPLETE PENETRATION WELDS ACCORDING TO C&MS 513 USING APPROVED ELECTRODES, PROCEDURES AND WELDERS. REMOVE RUNOFF TABS AND GRIND THE COMPLETED EDGES SMOOTH. GRIND THE COMPLETED WELDS SMOOTH AND FLUSH WITH THE ADJACENT SURFACES TO PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 MIL. DO NOT OVER GRIND AS TO REDUCE THE MATERIAL THICKNESS OR WIDTH OF THE NEW OR EXISTING MATERIALS. PREPARE ALL REENTRANT CORNERS WITH ONE INCH RADIUS. REMOVE WELDING AND START AND STOP DISCONTINUITIES. RADIOGRAPHIC TEST THE FINISHED WELDS ACCORDING TO C&MS 513.25A AND SUBMIT COPIES OF THE REPORTS TO THE ENGINEER. THE ENGINEER MAY OBTAIN TECHNICAL ASSISTANCE FROM THE OFFICE OF MATERIALS MANAGEMENT.

SHOULD THE ROLLED STEEL WT 16.5X76 SHAPE SPECIFIED IN THE PLANS NOT BE AVAILABLE FROM ANY ACCEPTABLE SUPPLIER, THE DEPARTMENT WILL ACCEPT THE FOLLOWING, AT THE DISCRETION OF THE ENGINEER:

- AN EQUIVALENT WT-SHAPE CUT FROM A W33X152 ROLLED BEAM
- AN EQUIVALENT BUILT-UP SHAPE CONSISTING OF PLATES MEETING THE REQUIREMENTS OF THE DESIGN DATA NOTE IN THESE PLANS, THE REQUIREMENTS OF LEVEL 4 FABRICATION PER C&MS 513.03, AND CVN TESTING. THESE PLATES SHALL MATCH THE WIDTHS AND THICKNESSES OF THE PROPOSED WT-SECTION ABOVE, AND BE CONNECTED TO ONE ANOTHER USING 5/16” FILLET WELDS ON BOTH SIDES OF THE WEB SECTION.

PAYMENT FOR ALL MATERIALS, LABOR, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE ABOVE WORK WILL BE MADE AT THE CONTRACT PRICE FOR ITEM 513 – STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (BEAM SECTION REPLACEMENT).

ITEM 516 – JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN

THIS WORK CONSISTS OF RAISING OR REPOSITIONING THE EXISTING STRUCTURE TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS.


SUBMIT WORKING DRAWINGS AND CALCULATIONS IN ACCORDANCE WITH CMS 501.05.

IF, DURING THE JACKING OPERATIONS, CRACKING OF THE CONCRETE SUPERSTRUCTURE, SEPARATION OF THE CONCRETE DECK FROM THE STEEL STRINGERS, OR OTHER DAMAGE TO THE STRUCTURE IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION, NOTIFY THE ENGINEER AND THE DISTRICT BRIDGE ENGINEER, AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL BY THE ENGINEER, DISTRICT BRIDGE ENGINEER, AND THE OFFICE OF STRUCTURAL ENGINEERING AS DEEMED NEEDED BY THE DISTRICT BRIDGE ENGINEER.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516 – JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN, WHICH WILL INCLUDE THE COST FOR ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE WORK.

DESIGN AGENCY

DISTRICT 3



BRIDGE  
ENGINEERING

DESIGNER

JNC

REVIEWER

KCK 07-07-25

PROJECT ID

124193

SHEET

2

TOTAL

12



ITEM 514 – FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT)

DESCRIPTION

THIS ITEM CONSISTS OF CLEANING AND FIELD PAINTING EXISTING STRUCTURAL STEEL AND NEW REPLACEMENT STEEL. THIS WORK CONSISTS OF PERFORMING SURFACE PREPARATION AND APPLYING A THREE-COAT PAINT SYSTEM TO THE PREPARED STEEL AND FEATHERED REMOVAL AREAS OF EXISTING PAINT.

GENERAL

C&MS 514.05 THROUGH 514.10 AND 514.13 APPLY, UNLESS MODIFIED BY THESE NOTES.

WASHING EXISTING OZEU PAINTED SURFACES

CLEAN SURFACES TO BE COATED WITH LOW PRESSURE WATER CLEANING TO REMOVE ALL DIRT, DEBRIS, ANIMAL EXCREMENT, SALT CONTAMINANTS, AND OTHER ACCUMULATED FOREIGN MATERIAL IN ACCORDANCE WITH SSPC-SP12 (LP WC), LOW PRESSURE WATER CLEANING. USE A PRESSURE WASHER CAPABLE OF ACHIEVING AT LEAST 2000 PSI OF WATER PRESSURE AT THE NOZZLE. WHEN USING THE POWER WASHING EQUIPMENT, MAINTAIN THE NOZZLE NO MORE THAN 10 INCHES FROM THE SURFACE BEING CLEANED. SUPPLY AND USE POTABLE WATER. PROVIDE TO THE ENGINEER A LETTER OF WRITTEN ACCEPTANCE FOR ANY BIODEGRADABLE DETERGENTS OR CLEANERS USED IN CONJUNCTION WITH THIS METHOD.

CONTAIN AND COLLECT ALL WATER AND DEBRIS REMOVED DURING WASHING OPERATIONS ABOVE WATER FEATURES IN CONFORMANCE WITH C&MS 514.08 AND 514.13D. CREATE SETTLEMENT COLLECTION BASINS AND STRAIN ALL WASH WATER ABOVE LAND FEATURES AS NECESSARY TO PRODUCE VISIBLY CLEAR WATER AND COMPLY WITH C&MS 514.05 AND 514.13.D

SURFACE PREPARATION

AFTER THE PRESSURE WASHED SURFACE HAS DRIED, REMOVE EXISTING PAINT COATING TO CONTRACT LIMITS OR AS DIRECTED BY THE ENGINEER, WHICHEVER IS GREATER, ACCORDING TO SSPC-SP 10, AS SHOWN ON THE PICTORIAL SURFACE PREPARATION STANDARDS FOR PAINTING STEEL SURFACES SHOWN IN SSPC-VIS 1. THE ENGINEER WILL USE THE SSPC-VIS 1 TO DETERMINE THE ACCEPTANCE OF THE SURFACE PREPARATION. FEATHER THE EXISTING PAINT TO EXPOSE A MINIMUM OF 1/2 INCH OF EACH COAT. CONTAIN AND DISPOSE OF WASTE GENERATED BY THIS REMOVAL ACCORDING TO C&MS 514.13.D. DO NOT REMOVE THE SHOP APPLIED PRIME COAT ON THE EXPOSED SURFACES OF THE REPLACEMENT MAIN AND SECONDARY MEMBER SECTIONS EXCEPT TO THE LIMITS WHERE SUCH COATING WAS DAMAGED BY THE INSTALLATION AND WELDING OPERATIONS AS DIRECTED BY THE ENGINEER.

ROUND ALL EXPOSED CORNERS OF MAIN BEAM MATERIAL TO BE PAINTED AS NECESSARY TO ACHIEVE A 1/16 INCH RADIUS OR EQUIVALENT FLAT SURFACE AT A 45 DEGREE ANGLE TO THE SURROUNDING MAIN MATERIAL FLAT SURFACES.

FIELD PAINTING

APPLY THE PRIME, INTERMEDIATE, AND FINISH COATS OF THE THREE-COAT PAINT SYSTEM SPECIFIED IN C&MS 708.02, ACCORDING TO C&MS 514.15, 514.16, 514.17, 514.19, AND 514.20 TO CONTRACT LIMITS, OR AS DIRECTED BY THE ENGINEER, WHICHEVER IS GREATER. DO NOT APPLY PRIME COAT TO THE AREAS OF THE SHOP APPLIED PRIME COAT ON THE REPLACEMENT MAIN AND SECONDARY MEMBERS THAT WAS NOT REMOVED DURING SURFACE PREPARATION AS DESCRIBED ABOVE. TINT THE FINISH COAT TO MATCH THE EXISTING GREEN COLOR MEETING FEDERAL COLOR 14325 AND TO THE ENGINEER'S SATISFACTION. THE ENGINEER WILL DETERMINE THE PRIME AND INTERMEDIATE COAT THICKNESS USING A TYPE 2 MAGNETIC GAUGE AT SPOT LOCATIONS. THE PRIME, INTERMEDIATE, AND FINISH COAT OF PAINT SHALL MEET THE MINIMUM DRY FILM THICKNESS REQUIREMENTS OF C&MS 514.20. APPLY PAINT AS FOLLOWS:

1. APPLY THE PRIME COAT ONLY TO THE PREPARED SURFACE OF THE BARE STEEL AND THE EXISTING PRIME COAT EXPOSED BY FEATHERING.
2. APPLY CAULK AFTER PRIMING, IF APPLICABLE
3. APPLY THE INTERMEDIATE COAT TO THE NEW PRIME COAT AND TO THE EXISTING INTERMEDIATE COATS THAT ARE EXPOSED BY FEATHERING.
4. APPLY THE FINISH COAT TO THE NEW INTERMEDIATE COAT AND TO THE EXISTING FINISH COATS THAT ARE EXPOSED BY FEATHERING

AT THE PERIMETER OF THE REPAIR AREA, APPLY THE PRIME, INTERMEDIATE, AND FINISH COATS WITH A BRUSH. IN LIEU OF BRUSHING, THE CONTRACTOR MAY DOUBLE MASK AREAS NOT TO BE COATED AND SPRAY TO FEATHERED REMOVAL LINES.

BLEND REPAIR AREAS WITH THE ADJACENT COATING TO PROVIDE A FINISHED SURFACE IN THE PATCHED AREAS THAT IS SMOOTH AND HAS AN EVEN PROFILE WITH THE ADJACENT SURFACE.

MEASUREMENT

THE DEPARTMENT WILL MEASURE FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT) BY THE NUMBER OF SQUARE FEET OF STRUCTURAL STEEL PAINTED AND ACCEPTED. THE DEPARTMENT WILL DETERMINE THE SURFACE AREA BY TAKING EXACT FIELD MEASUREMENTS OF ALL PAINTED SURFACES AND CALCULATIONS. THE CALCULATED QUANTITY WILL BE DOUBLED FOR THE GENERAL SUMMARY TO ACCOUNT FOR ANY ADDITIONAL AREAS THAT WILL NEED TO BE PAINTED AS A RESULT OF HEAT STRAIGHTENING OPERATIONS.

BASIS OF PAYMENT

THE DEPARTMENT WILL NOT PAY FOR: RESTORATION OF PUBLIC OR PRIVATE PROPERTY TO ITS ORIGINAL CONDITION REQUIRED DUE TO DAMAGE CAUSED BY THE CONTRACTOR; REPAIRING ADJACENT COATINGS DAMAGED DURING THE WASHING, POWER CLEANING, OR BLAST CLEANING OPERATION; REMOVING AND REPLACING AN AREA OF COATING BECAUSE A SPOT OR MAXIMUM AVERAGE THICKNESS EXCEEDS THE MAXIMUM SPOT THICKNESS; ADDITIONAL TESTING REQUIRED BY ANY HAULER, TREATMENT FACILITY, DISPOSAL FACILITY, OR LANDFILL; ACCESSING, INSPECTING, AND REPAIRING AREAS THAT ARE NOT FOUND TO BE IN CONFORMANCE WITH THE SPECIFICATIONS AND PERTINENT CONTRACT DOCUMENTS.


ALL OTHER REQUIREMENTS OF THE FIELD PAINTING SPECIFICATION ARE CONSIDERED INCIDENTAL TO THIS WORK.

THE QUANTITY OF ITEM 514 – FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN (THREE COAT) CARRIED TO THE GENERAL SUMMARY INCLUDES ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THE WORK.

GENERAL NOTES

DESIGN AGENCY

DISTRICT 3



BRIDGE  
ENGINEERING

DESIGNER

JNC

REVIEWER

KCK 07-07-25

PROJECT ID

124193

SHEET

3

TOTAL

12