**ITEM 509 - REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN**

REPLACE ALL EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. THE DEPARTMENT WILL MEASURE THE REPLACEMENT REIN- FORCING STEEL BY THE NUMBER OF POUNDS ACCEPTED IN PLACE. REPLACE ALL EXISTING REINFORCING STEEL BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND ARE DEEMED BY THE ENGINEER TO BE MADE UNUSABLE BY CONCRETE REMOVAL OPERATIONS WITH NEW REINFORCING STEEL OF THE SAME SIZE AND COATING AT NO COST TO THE DEPARTMENT.

**ITEM 514 - FIELD PAINTING, MISC.: ZINC RICH PRIMER**

THIS ITEM SHALL CONSIST OF THE REMOVAL OF ANY LOOSE CONCRETE, CLEANING OF THE PRESTRESSING STRANDS/REINFORCING STEEL, AND APPLICATION OF A ZINC RICH PRIMER LOCATED ON THE BOTTOM OF THE EXISTING BOX BEAM SUPERSTRUCTURE. THE LOOSE CONCRETE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL DEBRIS SHALL BE COLLECTED AND REMOVED OFF SITE. BLAST CLEAN ALL EXPOSED PRESTRESSING STRANDS/REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVES WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING. APPLY A ZINC RICH PRIMER, PER CMS 708.02B, OVER ALL EXPOSED STEEL SURFACES. THE APPLICATION OF THE PRIMER SHALL FOLLOW CMS 514 AND ALL MANUFACTURER SPECIFICATIONS.

PAYMENT FOR ALL EQUIPMENT, LABOR, AND MATERIALS NEEDED SHALL BE MADE UNDER ITEM 514 - FIELD PAINTING, MISC.: ZINC RICH PRIMER.

**ITEM 516 - 2" DEEP JOINT SEALER, AS PER PLAN**

A 2" DEEP ( ½)" WIDE STRIP SHALL BE SAWCUT OUT OF THE ASPHALT ABUTTING CONCRETE AS DETAILED IN THE PLANS. IN LIEU OF SAWCUTTING AFTER CONSTRUCTION, THIS JOINT MAY BE FORMED DURING CONSTRUCTION. JOINT SEALER AS PER 705.04 SHALL BE USED TO SEAL THE JOINT CREATED.

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

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIRE- MENTS DEFINED IN THE PROJECT PLANS. SUBMIT CON- STRUCTION PLANS IN ACCORDANCE WITH C&MS 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 AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. EPOXY INJECT ALL BEAMS THAT SEPARATE FROM THE DECK FOR A DISTANCE OF THE SEPARATION IN ACCORDANCE WITH C&MS 512.07. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS EPOXY INJECTION OR OTHER REQUIRED REPAIRS. THE BRIDIGE BEARINGS SHALL BE FULLY SEATED ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS. 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.

**ITEM 621 - RAISED PAVEMENT MARKER REMOVED**

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY:

- AUG-29-0767 = 5 EA
- AUG-33-1281 = 0 EA
- AUG-66-1981 = 4 EA
- AUG-197-1424 = 5 EA

RAISED PAVEMENT MARKINGS ARE NOT TO BE INSTALLED ON THIS PROJECT. THE PAY ITEM FOR THEM HAS BEEN INTENTIONALLY EXCLUDED FOR THIS REASON.

**RAISED PAVEMENT MARKERS REMOVED AND PAVEMENT MARKINGS**

THE FOLLOWING ARE THE ESTIMATED QUANTITIES FOR THE PERMANENT PAVEMENT MARKINGS.

| BRIDGE LOCATION | STATION TO STATION | | | 646 EDGE LINE, 6" | 646 CENTER LINE (DASHED) | 646 CENTER LINE (DOUBLE SOLID) |
|---|---|---|---|---|---|---|
| | | | | MILE | MILE | MILE |
| AUG-29-0767 | 403+29 | TO | 407+75 | 0.169 | 0.084 | |
| AUG-33-1281 | 685+29.70 | TO | 690+22.55 | 0.187 | | 0.093 |
| AUG-66-1981 | 1070+41.38 | TO | 1073+90.51 | 0.132 | 0.066 | |
| AUG-197-1424 | 752+45.89 | TO | 756+25.31 | 0.144 | | 0.072 |
| | TOTALS CARRIED TO GENERAL SUMMARY | | | 0.632 | 0.150 | 0.165 |

**ITEM 844 - CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN**

844.01 DESCRIPTION INSTALL CONCRETE PATCHES USING GALVANIC ANODES PER SUPPLEMENTAL SPECIFICATION 844 EXCEPT AS NOTED BELOW. ALL CONCRETE PATCHES SHALL BE PLACED TO THE EXISTING SURFACE UNLESS OTHERWISE DETAILED IN THE PLANS.

844.02 MATERIALS CONCRETE USED SHALL BE QC SCC PER C&MS 499, 511. ALL OTHER REQUIREMENTS LISTED IN SS844.02 APPLY.

844.04 GALVANIC ANODE INSTALLATION INSTALL ANODE UNITS AND REPAIR MATERIAL IMMEDIATELY FOLLOWING PREPARATION AND CLEANING OF STEEL REINFORCEMENT. REPAIR MATERIAL SHALL BE PLACED NO LATER THAN ONE (1) WEEK AFTER CONCRETE REMOVAL UNLESS APPROVED BY THE ENGINEER. GALVANIC ANODES SHALL BE INSTALLED IN THE LOCATIONS AND SPACING AS SPECIFIED IN THE PLANS. IN NO CASE, SHALL THE SPACING EXCEED 18 INCHES.

THE CONTRACTOR SHALL PERFORM HIS WORK AS TO NOT DAMAGE THE EMBEDDED ANODES OR CREATE ANY AIR VOIDS AROUND THE EMBEDDED ANODES WHILE SETTING FORMWORK OR PLACING CONCRETE.

844.06 QUALITY CONTROL THE PROPOSED FORM SYSTEM MUST BE SUBMITTED, AND ACCEPTED BY THE PROJECT ENGINEER PRIOR TO THE INSTALLATION OF ANY FORMWORK. THE FORM SYSTEM SHALL NOT BE SUPPORTED THROUGH THE PATCH. THE FORM SYSTEM SHALL PROVIDE ENOUGH HEAD PRESSURE TO ENSURE THE PATCH IS FULLY CONSOLIDATED AND NULL OF VOIDS. THE FORM SYSTEM SHALL INCORPORATE VENTS ALONG THE TOP OF THE PATCH TO ALLOW ENTRAPPED AIR TO ESCAPE DURING CONCRETE PLACEMENT. THE FORM SYSTEM SHALL INCORPORATE A GATE/VALVE SYSTEM CAPABLE OF CONTAINING THE SELF CONSOLIDATING CONCRETE ONCE CONCRETE PLACEMENT IS COMPLETE.

844.08 BASIS OF PAYMENT PAYMENT FOR ALL OF THE ABOVE DESCRIBED LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 844 CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN

PAYMENT WILL INCLUDE REMOVAL OF THE UNSOUND CONCRETE, FORMWORK, PLACEMENT OF THE QC SCC CONCRETE MIX.

**ITEM 848-SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN**

PREPARE CONCRETE SURFACE USING HYDRODEMOLITION ACCORDING TO SUPPLEMENTAL SPECIFICATION 848 EXCEPT THAT DEPTH OF HYDRODEMOLITION, "D" SHALL BE:

- AUG-29-0767 = 1/2"
- AUG-33-1281 = 1/2"
- AUG-66-1981 = 3/4"
- AUG-197-1424 = 3/4"

**TRAFFIC PROTECTION DURING HYDRODEMOLITION**

IN ACCORDANCE WITH TRAFFIC PROTECTION REQUIREMENTS OF SUPPLEMENTAL SPECIFICATION 848, FALSEWORK SHALL BE PLACED IN BETWEEN THE EXISTING BEAMS ON THE AUG-33-1281 STRUCTURE ABOVE ALL U.S. 33 TRAFFIC PRIOR TO HYDRODEMOLITION.

**ITEM 848-REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY**

AS PER SS848.19, NO HYDRODEMOLITION IS TO BE PERFORMED ON THE AUG-33-1281 STRUCTURE UNTIL THE UNBONDED VARIABLE THICKNESS EXISTING CONCRETE OVERLAY HAS BEEN REMOVED TO THE ENGINEER'S APPROVAL.

**ITEM 848 - TEST SLAB**

ONLY ONE TEST SLAB IS NEEDED FOR THE PROJECT. THE TEST SLAB IS TO BE PERFORMED PER SS848 BEFORE THE OVERLAY POUR, REGARDLESS OF THE ORDER THE BRIDGES ARE CONSTRUCTED.

**ITEM 513 - STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN**

ALL REQUIREMENTS OF C&MS 513 APPLY TO SHOP FABRI- CATED MEMBERS. PERFORM WORK FOR FIELD FABRICATED MEMBERS ACCORDING TO ITEM 513, EXCEPT AS MODIFIED HEREIN. THE DEPARTMENT WILL NOT REQUIRE THE CON- TRACTOR PERFORMING FIELD FABRICATION TO BE PRE- QUALIFIED AS SPECIFIED IN S1078. SUBMIT A WRITTEN LETTER OF MATERIAL ACCEPTANCE IN ACCORDANCE WITH C&MS 501.06, TO THE ENGINEER. PROVIDE THE ENGINEER "AS-BUILT" DRAWINGS ACCORDING C&MS 513.06, EXCEPT C&MS 501.04 DOES NOT APPLY. UPON RECEIPT OF THE ENGINEER'S ACCEPTANCE, SUPPLY A COPY OF THE DRAW- INGS, ACCORDING TO S1002 TO THE OFFICE OF MATERIAL MANAGEMENT FOR RECORD PURPOSES.

THE FOLLOWING MEMBERS ARE INCLUDED IN THIS ITEM: END CROSSFRAMES AND PLATES

GENERAL NOTES (2 OF 2)

CTY-RTE-SECTION

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/11/2022 TIME: 8:18:12 AM USER: dgrillo
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 07\Augusta\108075\400-Engineering\Roadway\Sheets\108075_GN002.dgn

DESIGN AGENCY
DISTRICT 7 ENGINEERING

DESIGNER PJB

REVIEWER DHG 10-28-21

PROJECT ID 108075

SHEET P.04 TOTAL 45

| SHEET NUM. | | | | | | | | | | | PART. | | ITEM | ITEM EXT | GRAND TOTAL | UNIT | DESCRIPTION | SEE SHEET NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3 | | | | | | | | | CALC | 01/NHS/BR | 02/STR/BR | | | | | |
| | | | | | | | | | | | | | | | | | **ROADWAY** | |
| | | | | | | | | | | | 3,633 | 451 | 3,182 | 202 | 23500 | 3,633 | SY | WEARING COURSE REMOVED | |
| | | | | | | | | | | | 200 | | 200 | 202 | 38000 | 200 | FT | GUARDRAIL REMOVED | |
| | | | | | | | | | | | 412.5 | | 412.5 | 202 | 38500 | 412.5 | FT | BRIDGE RAILING REMOVED | |
| | | | | | | | | | | | 21 | 21 | | 203 | 10000 | 21 | CY | EXCAVATION | |
| | | | | | | | | | | | 61 | 61 | | 204 | 10000 | 61 | SY | SUBGRADE COMPACTION | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 100 | | 100 | 606 | 13000 | 100 | FT | GUARDRAIL, TYPE 5 | |
| | | | | | | | | | | | 4 | | 4 | 606 | 35000 | 4 | EACH | BRIDGE TERMINAL ASSEMBLY, TYPE 1 | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | **EROSION CONTROL** | |
| | | | | | | | | | | | 15 | | 15 | 601 | 27000 | 15 | CY | DUMPED ROCK FILL, TYPE C | |
| | | 1,800 | | | | | | | | | | 545 | 1,255 | 659 | 10000 | 1,800 | SY | SEEDING AND MULCHING | |
| | | 91 | | | | | | | | | | 28 | 63 | 659 | 14000 | 91 | SY | REPAIR SEEDING AND MULCHING | |
| | | 0.24 | | | | | | | | | | 0.07 | 0.17 | 659 | 20000 | 0.24 | TON | COMMERCIAL FERTILIZER | |
| | | 10 | | | | | | | | | | 3 | 7 | 659 | 35000 | 10 | MGAL | WATER | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 4,000 | 1,000 | 3,000 | 832 | 30000 | 4,000 | EACH | EROSION CONTROL | |
| | | | | | | | | | | | | | | | | | **PAVEMENT** | |
| | | | | | | | | | | | 9 | 9 | | 301 | 46000 | 9 | CY | ASPHALT CONCRETE BASE, PG64-22 | |
| | | | | | | | | | | | 9 | 9 | | 304 | 20000 | 9 | CY | AGGREGATE BASE | |
| | | | | | | | | | | | 213 | 36 | 177 | 407 | 10000 | 213 | GAL | TACK COAT | |
| | | | | | | | | | | | 100 | 22 | 78 | 441 | 50100 | 100 | CY | ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG70-22M | |
| | | | | | | | | | | | 80 | | 80 | 609 | 24510 | 80 | FT | CURB, TYPE 4-C | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 400 | | 400 | 618 | 40800 | 400 | FT | RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE) | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | **TRAFFIC CONTROL** | |
| | | | | | | | | | | | 14 | | 14 | 621 | 54000 | 14 | EACH | RAISED PAVEMENT MARKER REMOVED | |
| | | 2 | | | | | | | | | | | 2 | 630 | 80101 | 2 | SF | SIGN, FLAT SHEET, AS PER PLAN | 3 |
| | | | | | | | | | | | 0.63 | 0.19 | 0.45 | 646 | 10010 | 0.63 | MILE | EDGE LINE, 6" | |
| | | | | | | | | | | | 0.32 | 0.09 | 0.22 | 646 | 10200 | 0.32 | MILE | CENTER LINE | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | **STRUCTURE REPAIR (AUG-29-0767)** | |
| | | | | | | | | | | | LS | | LS | 202 | 11203 | LS | | PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN | 3 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 100 | | 100 | 509 | 20001 | 100 | LB | REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN | 4 |
| | | | | | | | | | | | 5 | | 5 | 512 | 10100 | 5 | SY | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) | |
| | | | | | | | | | | | 100 | | 100 | 514 | 27700 | 100 | SF | FIELD PAINTING, MISC.:ZINC PRIMER | 4 |
| | | | | | | | | | | | 73 | | 73 | 516 | 31011 | 73 | FT | 2" DEEP JOINT SEALER, AS PER PLAN | 4 |
| | | | | | | | | | | | 187.5 | | 187.5 | 517 | 75600 | 187.5 | FT | DEEP BEAM BRIDGE RETROFIT RAILING | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 214 | | 214 | SPECIAL | 51822300 | 214 | FT | STEEL DRIP STRIP | |
| | | | | | | | | | | | 349 | | 349 | 848 | 10200 | 349 | SY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 2" | |
| | | | | | | | | | | | 349 | | 349 | 848 | 20001 | 349 | SY | SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN | 4 |
| | | | | | | | | | | | 15 | | 15 | 848 | 30200 | 15 | CY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY | |
| | | | | | | | | | | | 122 | | 122 | 848 | 50000 | 122 | SY | HAND CHIPPING | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | LS | | LS | 848 | 50100 | LS | | TEST SLAB | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | **STRUCTURE REPAIR (AUG-33-1281)** | |
| | | | | | | | | | | | LS | LS | | 202 | 11203 | LS | | PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN | 3 |
| | | | | | | | | | | | 100 | 100 | | 509 | 20001 | 100 | LB | REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN | 4 |
| | | | | | | | | | | | 1,441 | 1,441 | | 509 | 25000 | 1,441 | LB | UNCOATED REINFORCING STEEL | |
| | | | | | | | | | | | 218 | 218 | | 510 | 10000 | 218 | EACH | DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT | |
| | | | | | | | | | | | 18 | 18 | | 511 | 34410 | 18 | CY | CLASS QC2 CONCRETE, SUPERSTRUCTURE | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 333 | 333 | | 512 | 10100 | 333 | SY | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) | |
| | | | | | | | | | | | 264 | 264 | | 512 | 74000 | 264 | SY | REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES | |
| | | | | | | | | | | | 2,118 | 2,118 | | 513 | 10201 | 2,118 | LB | STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN | 4 |
| | | | | | | | | | | | 122 | 122 | | 516 | 11210 | 122 | FT | STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL | |
| | | | | | | | | | | | 118 | 118 | | 516 | 31011 | 118 | FT | 2" DEEP JOINT SEALER, AS PER PLAN | 4 |
| | | | | | | | | | | | 12 | 12 | | 516 | 44001 | 12 | EACH | ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, | 24 |
| | | | | | | | | | | | | | | | | | | (BEARING: 10"x14"x3.27", LOAD PLATE: 11"x15"x1.5") | |
| | | | | | | | | | | | LS | LS | | 516 | 47001 | LS | | JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN | 4 |
| | | | | | | | | | | | 106 | 106 | | 844 | 10001 | 106 | SF | CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN | 4 |
| | | | | | | | | | | | 1,477 | 1,477 | | 848 | 10200 | 1,477 | SY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 2 ¼" | |
| | | | | | | | | | | | 1,459 | 1,459 | | 848 | 20001 | 1,459 | SY | SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN | 4 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 58 | 58 | | 848 | 30200 | 58 | CY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY | |
| | | | | | | | | | | | 296 | 296 | | 848 | 50000 | 296 | SY | HAND CHIPPING | |

GENERAL SUMMARY (1 OF 2)

AUG-BH-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/11/2022 TIME: 8:59:41 AM USER: dgrillo
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 07\Auglatze\108075\400-Engineering\Roadway\Sheets\108075_GG001.dgn

DESIGN AGENCY
DISTRICT 7 ENGINEERING

DESIGNER PJB
REVIEWER DHG 10-28-21
PROJECT ID 108075
SHEET P.15 TOTAL 45

| SHEET NUM. | | | | | | | | | | | PART. | | ITEM | ITEM EXT | GRAND TOTAL | UNIT | DESCRIPTION | SEE SHEET NO. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 5 | | 6 | | | CALC | 01/NHS/BR | 02/STR/BR | | | | | |
| | | | | | | | | | | | | | | | | | | **STRUCTURE REPAIR (AUG-33-1281) CONTINUED** | |
| | | | | | | | | | | | 1 | 1 | | 848 | 50200 | 1 | CY | FULL-DEPTH REPAIR | |
| | | | | | | | | | | | 1,459 | 1,459 | | 848 | 50320 | 1,459 | SY | EXISTING CONCRETE OVERLAY REMOVED, 1 ¾" | |
| | | | | | | | | | | | 148 | 148 | | 848 | 50340 | 148 | SY | REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **STRUCTURE REPAIR (AUG-66-1981)** | |
| | | | | | | | | | | | 100 | | 100 | 509 | 20001 | 100 | LB | REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN | 4 |
| | | | | | | | | | | | 2 | | 2 | 512 | 10100 | 2 | SY | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) | |
| | | | | | | | | | | | 50 | | 50 | 514 | 27700 | 50 | SF | FIELD PAINTING, MISC.:ZINC PRIMER | 4 |
| | | | | | | | | | | | 93 | | 93 | 516 | 31011 | 93 | FT | 2" DEEP JOINT SEALER, AS PER PLAN | 4 |
| | | | | | | | | | | | 212.5 | | 212.5 | 517 | 75600 | 212.5 | FT | DEEP BEAM BRIDGE RETROFIT RAILING | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 246 | | 246 | SPECIAL | 51822300 | 246 | FT | STEEL DRIP STRIP | |
| | | | | | | | | | | | 5 | | 5 | 844 | 10001 | 5 | SF | CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN | 4 |
| | | | | | | | | | | | 442 | | 442 | 848 | 10200 | 442 | SY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 1 ¾" | |
| | | | | | | | | | | | 442 | | 442 | 848 | 20001 | 442 | SY | SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN | 4 |
| | | | | | | | | | | | 12 | | 12 | 848 | 30200 | 12 | CY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 44 | | 44 | 848 | 50000 | 44 | SY | HAND CHIPPING | |
| | | | | | | | | | | | 1 | | 1 | 848 | 50200 | 1 | CY | FULL-DEPTH REPAIR | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **STRUCTURE REPAIR (AUG-197-1424)** | |
| | | | | | | | | | | | LS | | LS | 202 | 11203 | LS | | PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN | 3 |
| | | | | | | | | | | | 100 | | 100 | 509 | 20001 | 100 | LB | REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN | 4 |
| | | | | | | | | | | | 9,890 | | 9,890 | 509 | 25000 | 9,890 | LB | UNCOATED REINFORCING STEEL | |
| | | | | | | | | | | | 942 | | 942 | 510 | 10000 | 942 | EACH | DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT | |
| | | | | | | | | | | | 60 | | 60 | 511 | 34410 | 60 | CY | CLASS QC2 CONCRETE, SUPERSTRUCTURE | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 398 | | 398 | 512 | 10100 | 398 | SY | SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) | |
| | | | | | | | | | | | 960 | | 960 | 513 | 10201 | 960 | LB | STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN | 4 |
| | | | | | | | | | | | 63 | | 63 | 516 | 11210 | 63 | FT | STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL | |
| | | | | | | | | | | | 59 | | 59 | 516 | 31011 | 59 | FT | 2" DEEP JOINT SEALER, AS PER PLAN | 4 |
| | | | | | | | | | | | 8 | | 8 | 516 | 44001 | 8 | EACH | ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, | 38 |
| | | | | | | | | | | | | | | | | | | (BEARING: 10"x14"x3.27", LOAD PLATE: 11"x15"xVAR.") | |
| | | | | | | | | | | | LS | | LS | 516 | 47001 | LS | | JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN | 4 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 64 | | 64 | 844 | 10001 | 64 | SF | CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN | 4 |
| | | | | | | | | | | | 617 | | 617 | 848 | 10200 | 617 | SY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 2 ½" | |
| | | | | | | | | | | | 606 | | 606 | 848 | 20001 | 606 | SY | SURFACE PREPARATION USING HYDRODEMOLITION, AS PER PLAN | 4 |
| | | | | | | | | | | | 17 | | 17 | 848 | 30200 | 17 | CY | SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY | |
| | | | | | | | | | | | 91 | | 91 | 848 | 50000 | 91 | SY | HAND CHIPPING | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | 1 | | 1 | 848 | 50200 | 1 | CY | FULL-DEPTH REPAIR | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **MAINTENANCE OF TRAFFIC** | |
| | | | | | | | | 60 | | | | 60 | | 614 | 11110 | 60 | HOUR | LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE | |
| | | | | | | | | | | | | LS | LS | 614 | 12420 | LS | | DETOUR SIGNING | |
| | | | | | | 2 | | | | | | 2 | | 614 | 18601 | 2 | SNMT | PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN | 5 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | **INCIDENTALS** | |
| | | | | | | | | | | | | LS | LS | 614 | 11000 | LS | | MAINTAINING TRAFFIC | |
| | | | | | | | | | | | | LS | LS | 623 | 10000 | LS | | CONSTRUCTION LAYOUT STAKES AND SURVEYING | |
| | | | | | | | | | | | | LS | LS | 624 | 10000 | LS | | MOBILIZATION | |

GENERAL SUMMARY (2 OF 2)

DESIGN AGENCY

DISTRICT 7 ENGINEERING

DESIGNER PJB

REVIEWER DHG 10-28-21

PROJECT ID 108075

SHEET P.16 TOTAL 45

AUG-BH-FY22

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 3/11/2022 TIME: 8:08:09 AM USER: dgrillo
pw:\\ohiodot-pw.bentley.com:ohiodot-pw-02\Documents\01 Active Projects\District 07\Augbiz\108075\400-Engineering\Roadway\Sheets\108075_GS002.dgn