STANDARD DRAWING REFERENCES

DEEP BERM BRIDGE GUARD RAIL DBR-2-73 4-10-73

OHIO DEPARTMENT OF TRANSPORTATION SUPPLEMENTAL SPECIFICATION REFERENCES

CONCRETE CURING AND PROTECTIVE MEMBRANE 836 3-12-75

DESIGN SPECIFICATIONS

SCHEM CONCRETE AMERICAN WELDING SOCIETY, STRUCTURAL WELDING CODE AND D11-79 PART F.

DESIGN DATA


DECK PROTECTIVE METHOD TYPE D WATERPROOFING AND ASPHALT CONCRETE OVERLAY.

RENEWAL OF EXISTING STRUCTURE

WHEN NO LONGER NEEDED TO MAINTAIN TRAFFIC THE EXISTING SUPERSTRUCTURE, ABUTMENTS, AND CONCRETE WALL SHALL BE REMOVED AS PER ITEM 505 TO 1 FOOT BELOW EXISTING GROUND ELEVATION OR THE PROPOSED GRADE WHICHEVER IS LOWER. ABUTMENT STONES SHALL BE CAREFULLY PROTECTED AND PILED ALONG THE RIGHT-OF-WAY FOR SALVAGE BY THE FRANKLIN COUNTY'S FORCES. STONE CONCRETE ABUTMENTS SHALL BE PLACED AS BULK PROTECTION AS DIRECTED BY THE ENGINEER. EXTREME CARE SHOULD BE TAKEN NOT TO DISTURB THE EXISTING SANITARY SEWER TRUNK AND ITS FOUNDATION, ANY DESIGN THAT MAY FALL INTO THE STREAM BED SHALL BE REMOVED IMMEDIATELY.

FOUNDATION RECOMMENDATION PRESSURE.

ABUTMENT AND FIER FOOTINGS ARE DESIGNED FOR A MAXIMUM EARNING PRESSURE OF 0.5 TONS PER SQ. FT.

UTILITY LINES

ALL EXPENSE INVOLVED IN RELOCATING AND INSTALLING THE AFFECTED UTILITY LINES SHALL BE BORNE BY THE OWNERS. THE CONTRACTOR AND OWNERS ARE REQUESTED TO COOPERATE IN BRINGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

MAINTENANCE OF TRAFFIC SEE ROADWAY GENERAL NOTES.

FABRICATION CERTIFICATION

FABRICATION CERTIFICATION AS SPECIFIED IN 500.04 IS NOT REQUIRED.

SILICONE COATING OF CONCRETE SURFACE

TO PREVENT STAINING OF THE CONCRETE FROM THE OXIDATION PRODUCTS OF THE WEATHERING STEEL. THE FOLLOWING AREAS OF THE CONCRETE ARE TO BE COVERED WITH A SODIUM SILICATE SOLUTION, THE CONCRETE SHOULD THEN BE BROOMED TO A FINISHED GROUND LINE. THE EXISTING INSECT FROM IMMEDIATELY BELOW THE CONCRETE SEAT TO APPROXIMATELY 4 INCHES BELOW THE FINISHED GROUND LINE. THE SEALANT SHALL BE THOROCLEAIR. THE PERCENT SOLUTION OF APPROVAL IS ADDED AND SHALL BE APPLIED BY BRUSHING. PAYMENT IS INCLUDED FOR THE APPROPRIATE ITEM 51I.

PROTECTION OF EXISTING SANITARY TRUNK SEWER

THE CONTRACTOR SHALL USE EXTREME CARE WHILE WORKING IN THE VICINITY OF THE EXISTING SANITARY SEWER WHICH IS UNDER THE CHANNEL AND THE EXISTING STRUCTURE. USE OF HEAVY EQUIPMENT OVER OR ADJACENT TO THE EXISTING SEWER SHALL BE DONE IN SUCH A MANNER AS TO PREVENT DAMAGE TO THE SEWER, AND SHOULD ANY DAMAGE OCCUR, THE CONTRACTOR SHALL BE FINANCIALLY RESPONSIBLE FOR ANY REQUIRED REPAIR WORK.

ITEM TOTAL UNIT DESCRIPTION ABUTS PIERS SUPER GENERAL AG BUILT

502 155 LUMP SUM STRUCTURE REMOVED 15

504 14 LUMP SUM ASPHALT CONCRETE 14

505 15 LUMP SUM ASPHALT CONCRETE 15

509 106 LUMP SUM COFFERDAM, GRUB AND SHEETING 106

510 101 LUMP SUM UNCLASSIFIED EXCAVATION 101

511 268.4 LUMP SUM REINFORCING STEEL, GRADE 60 268.4

511 997 LUMP SUM CLASS S CONCRETE, SUPERSTRUCTURE 997

511 69 LUMP SUM CLASS C CONCRETE, PIERS ABOVE FOOTINGS 69

511 139 LUMP SUM CLASS C CONCRETE, ABUTMENTS ABOVE FOOTINGS 139

511 85 LUMP SUM CLASS C CONCRETE, FOOTINGS 85

512 7 LUMP SUM TYPE S WATERPROOFING 7

513 363 LUMP SUM TYPE D WATERPROOFING 363

513 71197 LUMP SUM STRUCTURAL STEEL 71197

517 1140 LUMP SUM MOLDED STUD SHEAR CONNECTING 1140

517 248.51 LUMP SUM RAILING DEEP DEM BULKHEAD 248.51

518 248.51 LUMP SUM RAILING DEEP DEM BULKHEAD 248.51

518 82 LUMP SUM FORUM BACKFILL 82

518 80 LUMP SUM 6 INCH PERFORATED, HELICAL CMP, 707-01 80

518 119 LUMP SUM 6 INCH NON-PERFORATED, HELICAL CMP, INCLUDING SPECIES, 707-01 119

519 119 LUMP SUM 6 INCH NON-PERFORATED, HELICAL CMP, INCLUDING SPECIES, 707-01 119

519 119 LUMP SUM 6 INCH NON-PERFORATED, HELICAL CMP, INCLUDING SPECIES, 707-01 119

520 1 270 LUMP SUM GRIP STRIP 270

520 148 LUMP SUM SILANE TREATMENT APPLICATION ISO 148

AIDEN E. TESLON & ASSOCIATES, LIMITED COLUMBUS, OHIO CHAGRIN FALLS, OHIO W. VA.

GENERAL NOTES AND ESTIMATED QUANTITIES BRIDGE NO. PRA-257-0.27 TMP. NO. NO.257 (BIG RUN RD) OVER SCOTTS BIG RUN CR.
GENERAL NOTES:

1. All holes indicated are to be pre-drilled and reamed assembled to #8 in the shop.
2. All steel will be ASTM-A588, except end dams which will be ASTM-A58 galvanized.
3. All welds to be in accordance with Current A.W.S. specifications.
4. This structure will conform to the Ohio Department of Transportation's construction and material specifications (dated 1983).
5. Match mark all spliced material for re-assembly in the field in the same relative position as at shop reassembly.
6. See Sheet LD1 for layout diagram.
7. Electro-gas and electro-slag welding are not permitted.

ELECTRICAL SHEETS:

- Framing Plan: Match No. E-1
- Laydown Diagram: LD-1
- Beam Details: LD-10
- Diaphragms: LD-12
- Foundation: LD-14

FIELD BOLTS (4/7):

- 244 - 1/4 x 3 A 515 (Type 3) RXS 36
- 60 - 1/4 x 1/4 A 515 (Type 3) RXS 36
- 140 - 1/4 x 2 A 515 (Type 3) RXS 36

MATCH MARKING DIAGRAM:

Typical field splice match marking detail.
ONE - BEAM - 80

FOR NOTE:
1) ALL STEEL TO BE ASTM A500.
2) SEE SHEET 2-1 FOR SI UNITS.

Camber Diagram

SECTION A-A

SECTION B-B