

ITEM 503, COFFERDAMS AND EXCAVATION BRACING,  
AS PER PLAN

DUE TO THE PROXIMITY OF WEATHERED SHALE BEDROCK, A TEMPORARY DRILLED SHAFT (D.S.) AND TIMBER LAGGING WALL WILL BE REQUIRED AT BOTH ABUTMENTS DURING CONSTRUCTION. TIMBER LAGGING SHALL BE 6x6 HARDWOOD SELECT STRUCTURAL OR NO. 1. LSM BACKFILL CAN BE USED FOR THE DRILLED SHAFTS. THE DESIGN PARAMETERS LISTED BELOW SHALL ALSO BE MET.

DESIGN PARAMETERS					
LOCATION	D.S. DIAMETER	D.S. SPACING	STEEL BEAM SIZE	ROCK SOCKET	APPROX. T.O.R. ELEV.
REAR ABUT.	24 INCHES	6 FT. c/c (MAX.)	HP10x42	8 FT. (MIN.)	1,222.0 (+/-)
FWD. ABUT.	24 INCHES	6 FT. c/c (MAX.)	HP12x53	5 FT. (MIN.)	1,202.5 (+/-)

THIS DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION IS ONE REPRESENTATIVE DESIGN THAT MAY BE USED TO CONSTRUCT THE PROJECT; IT IS BASED ON THE HISTORICAL BORINGS PROVIDED IN THE SOIL PROFILE SHEETS OF THIS PLAN. THE CONTRACTOR MAY CONSTRUCT THE DESIGN SHOWN ABOVE OR PREPARE AN ALTERNATE DESIGN TO SUPPORT THE SIDES OF EXCAVATIONS. IF CONSTRUCTING AN ALTERNATE DESIGN FOR TEMPORARY SUPPORT OF EXCAVATION, PREPARE AND PROVIDE PLANS IN ACCORDANCE WITH C&MS 501.05. THE DEPARTMENT WILL PAY FOR THE TEMPORARY SUPPORT OF EXCAVATION AT THE CONTRACT LUMP SUM PRICE FOR ITEM 503, COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN. THE DEPARTMENT WILL NOT MAKE ADDITIONAL PAYMENT FOR PROVIDING AN ALTERNATE DESIGN.

ITEM 601, CRUSHED AGGREGATE SLOPE PROTECTION,  
AS PER PLAN

AT THE FORWARD ABUTMENT, ADD NEW CRUSHED AGGREGATE SLOPE PROTECTION TO THE EXISTING SLOPE PROTECTION TO RE-ESTABLISH THE MINIMUM 1'-0" THICK SLOPE PROTECTION LAYER AND MEET THE GRADING ELEVATIONS SHOWN IN THE PLAN. ALL WORK AND MATERIALS REQUIRED TO RE-ESTABLISH THE CRUSHED AGGREGATE SLOPE PROTECTION SHALL BE PER C&MS 601 AND INCLUDED IN THIS ITEM FOR PAYMENT.

VANDAL PROTECTION FENCING

INSTALL FENCING FOR EACH CONSTRUCTION PHASE PRIOR TO OPENING THAT PHASE TO VEHICULAR AND/OR PEDESTRIAN TRAFFIC.

PAINT COLOR

THE URETHANE FINISH COAT SHALL BE FS-595C COLOR NO. 15526-BLUE.

ITEM 611, DRAINAGE STRUCTURE, MISC.: SCUPPER CLEANOUT

THIS ITEM SHALL INCLUDE ALL WORK NECESSARY TO CLEANOUT THE EXISTING SCUPPERS. ALL WORK SHALL BE TO THE SATISFACTION OF THE ENGINEER. PROPERLY DISPOSE OF ALL MATERIAL REMOVED FROM THE SCUPPERS OFF OF STATE OF OHIO RIGHT-OF-WAY. PAYMENT FOR ALL NECESSARY LABOR AND MATERIALS WILL BE MADE AT THE CONTRACT PRICE BID FOR ITEM 611, DRAINAGE STRUCTURE, MISC.: SCUPPER CLEANOUT.

TEMPORARY VERTICAL CONSTRUCTION CLEARANCE

A TEMPORARY MINIMUM CONSTRUCTION VERTICAL CLEARANCE OF 16'-0" SHALL BE MAINTAINED AT ALL TIMES.

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<b>BEL-470-3.22</b> PID No. 99615	<b>STRUCTURE NOTES</b> BRIDGE NO. BEL-470-0322 C.R. 214 OVER I.R. 470	DESIGNED CCN CHECKED DUL	DRAWN DUL REVISED -	REVIEWED RPT. STRUCTURE FILE NUMBER 0706264	DATE 12/29/20	DESIGN AGENCY O.D.O.T. DISTRICT 11 ENGINEERING
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