

TOTAL BILL OF MATERIAL

| | CONSTRUCTION MAINTENANCE AND REMOVAL OF TEMPORARY ACCESS | REMOVAL OF EXISTING STRUCTURE | PDA TESTING | REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONCRETE) | GROOVING BRIDGE FLOORS | CLASS AA CONCRETE | BRIDGE APPROACH SLABS | GLASS FIBER REINFORCED POLYMER (GFRP) BAR | 54" CARBON FIBER REINFORCED POLYMER F.I.B. PRESTRESSED CONCRETE GIRDERS | 72" CARBON FIBER REINFORCED POLYMER F.I.B. PRESTRESSED CONCRETE GIRDERS | 78" CARBON FIBER REINFORCED POLYMER F.I.B. PRESTRESSED CONCRETE GIRDERS | PILE DRIVING EQUIPMENT SET UP FOR 24" CARBON FIBER REINFORCED POLYMER PRESTRESSED CONCRETE PILES | 24" CARBON FIBER REINFORCED POLYMER PRESTRESSED CONCRETE PILES | PILE REDRIVES | 2-BAR METAL RAIL | 1'-2" X 2'-6" CONCRETE PARAPET | ELASTOMERIC BEARINGS | FOAM JOINT SEALS | STRUCTURE DRAINAGE SYSTEM | SOLAR ARRAY SUPPORT PLATFORM | PLASTIC LUMBER FENDER BOARDS AT CHANNEL BENTS | ASBESTOS ASSESSMENT | CARBON FIBER REINFORCED POLYMER (CFRP) STRAND | PILE EXCAVATION FOR 24" CARBON FIBER REINFORCED POLYMER PRESTRESSED CONCRETE PILES | | | | |
|----------------|----------------------------------------------------------|-------------------------------|-------------|-----------------------------------------------------------|------------------------|-------------------|-----------------------|-------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---------------|------------------|--------------------------------|----------------------|------------------|---------------------------|------------------------------|-----------------------------------------------|---------------------|-----------------------------------------------|------------------------------------------------------------------------------------|-----------|----------|-----------|------|
| | LUMP SUM | LUMP SUM | EACH | SQ. FT. | SQ. FT. | CU. YDS. | LUMP SUM | LIN. FT. | NO. | LIN. FT. | NO. | LIN. FT. | NO. | LIN. FT. | EA. | LIN. FT. | LIN. FT. | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LIN. FT. | LIN. FT. | | | |
| SUPERSTRUCTURE | | | | 110595 | 93135 | | | | 56 | 5579.64 | 44 | 5707.35 | 15 | 1815.18 | | | | | | | | | | | 650539.00 | | | |
| END BENT 1 | | | | | | 29.7 | | 4191.42 | | | | | | 6 | 6 | 375 | 3 | | | | | | | | | 6000.00 | | |
| BENT 1 | | | | | | 22.8 | | 3182.50 | | | | | | 5 | 5 | 465 | 3 | | | | | | | | | 7440.00 | | |
| BENT 2 | | | | | | 22.8 | | 3182.50 | | | | | | 5 | 5 | 450 | 3 | | | | | | | | | 7200.00 | | |
| BENT 3 | | | | | | 115.8 | | 11082.83 | | | | | | 10 | 10 | 915 | 5 | | | | | | | | | 14640.00 | 515 | |
| BENT 4 | | | | | | 121.8 | | 11866.91 | | | | | | 10 | 10 | 950 | 5 | | | | | | | | | 15200.00 | 468 | |
| BENT 5 | | | | | | 127.8 | | 12615.17 | | | | | | 10 | 10 | 965 | 5 | | | | | | | | | 15440.00 | 471 | |
| BENT 6 | | | | | | 135.1 | | 14067.75 | | | | | | 10 | 10 | 950 | 5 | | | | | | | | | 15200.00 | 460 | |
| BENT 7 | | | | | | 183.0 | | 18842.00 | | | | | | 15 | 15 | 1515 | 8 | | | | | | | | | 24240.00 | 632 | |
| BENT 8 | | | | | | 182.1 | | 18707.08 | | | | | | 15 | 15 | 1500 | 8 | | | | | | | | | 24000.00 | 641 | |
| BENT 9 | | | | | | 134.6 | | 14044.17 | | | | | | 10 | 10 | 965 | 5 | | | | | | | | | 15440.00 | 387 | |
| BENT 10 | | | | | | 127.3 | | 12561.92 | | | | | | 10 | 10 | 950 | 5 | | | | | | | | | 15200.00 | 406 | |
| BENT 11 | | | | | | 121.2 | | 11798.42 | | | | | | 10 | 10 | 965 | 5 | | | | | | | | | 15440.00 | 451 | |
| BENT 12 | | | | | | 114.6 | | 11324.92 | | | | | | 10 | 10 | 950 | 5 | | | | | | | | | 15200.00 | 494 | |
| BENT 13 | | | | | | 23.3 | | 3229.83 | | | | | | 6 | 6 | 720 | 3 | | | | | | | | | 11520.00 | 307 | |
| BENT 14 | | | | | | 23.3 | | 3229.83 | | | | | | 6 | 6 | 705 | 3 | | | | | | | | | 11280.00 | 303 | |
| BENT 15 | | | | | | 24.2 | | 3229.83 | | | | | | 6 | 6 | 690 | 3 | | | | | | | | | 11040.00 | 302 | |
| BENT 16 | | | | | | 23.3 | | 3229.83 | | | | | | 6 | 6 | 690 | 3 | | | | | | | | | 11040.00 | 307 | |
| BENT 17 | | | | | | 26.7 | | 3501.67 | | | | | | 6 | 6 | 615 | 3 | | | | | | | | | 9840.00 | 304 | |
| BENT 18 | | | | | | 22.2 | | 3066.17 | | | | | | 5 | 5 | 500 | 3 | | | | | | | | | 8000.00 | 256 | |
| BENT 19 | | | | | | 22.2 | | 3066.17 | | | | | | 5 | 5 | 500 | 3 | | | | | | | | | 8000.00 | 257 | |
| BENT 20 | | | | | | 22.2 | | 3066.17 | | | | | | 5 | 5 | 515 | 3 | | | | | | | | | 8240.00 | 250 | |
| BENT 21 | | | | | | 22.2 | | 3066.17 | | | | | | 5 | 5 | 540 | 3 | | | | | | | | | 8640.00 | | |
| BENT 22 | | | | | | 22.2 | | 3066.17 | | | | | | 5 | 5 | 525 | 3 | | | | | | | | | 8400.00 | | |
| BENT 23 | | | | | | 22.2 | | 3066.17 | | | | | | 5 | 5 | 540 | 3 | | | | | | | | | 8640.00 | | |
| BENT 24 | | | | | | 20.6 | | 2905.67 | | | | | | 5 | 5 | 525 | 3 | | | | | | | | | 8400.00 | | |
| BENT 25 | | | | | | 22.6 | | 3185.00 | | | | | | 5 | 5 | 500 | 3 | | | | | | | | | 8000.00 | | |
| BENT 26 | | | | | | 22.6 | | 3185.00 | | | | | | 5 | 5 | 490 | 3 | | | | | | | | | 7840.00 | | |
| BENT 27 | | | | | | 22.6 | | 3185.00 | | | | | | 5 | 5 | 475 | 3 | | | | | | | | | 7600.00 | | |
| END BENT 2 | | | | | | 30.8 | | 4499.17 | | | | | | 6 | 6 | 525 | 3 | | | | | | | | | 8400.00 | | |
| TOTAL | LUMP SUM | LUMP SUM | 14 | 110595 | 93135 | 1811.8 | LUMP SUM | 199245.44 | 56 | 5579.64 | 44 | 5707.35 | 15 | 1815.18 | 212 | 212 | 20970 | 113 | 6380.50 | 6396.69 | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | LUMP SUM | 986059.00 | 7211 |

HYDRAULIC DATA

DESIGN DISCHARGE= 282,288 C.F.S.
 FREQUENCY OF DESIGN FLOOD.....= 50 YR.
 DESIGN HIGH WATER ELEVATION...= 8.1'
 DRAINAGE AREA= N/A (TIDAL FLOWS)
 BASE DISCHARGE (0100).....= 325,269 C.F.S.
 BASE HIGH WATER ELEVATION.....= 8.7'

OVERTOPPING FLOOD DATA

OVERTOPPING DISCHARGE.....= N/A
 FREQUENCY OF OVERTOPPING FLOOD...= N/A
 OVERTOPPING FLOOD ELEVATION.....= N/A

FOR BRIDGE NO. 150096 PRESERVATION WORK, SEE SHEET S2-01.
 FOR CONCRETE SHEET PILE RETAINING WALL PAY ITEM, SEE SHEET W-01.
 FOR REINFORCED RETAINING WALL BACKFILL PAY ITEM, SEE SHEET W-17 AND W-18.

PROJECT NO. B-4863
CARTERET COUNTY
 STATION: 34+75.00 -L-

SHEET 16 OF 16

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH

GENERAL DRAWING

FOR BRIDGE OVER
 'THE STRAITS'
 ON SR 1335 BETWEEN
 US 70 AND SR 1337



DocuSigned by:
 Ashwin Patel
 771895610244D3
 4/27/2021

REVISIONS

| NO. | BY: | DATE: | NO. | BY: | DATE: |
|-----|-----|-------|-----|-----|-------|
| 1 | | | 3 | | |
| 2 | | | 4 | | |

SHEET NO.

S1-018

TOTAL SHEETS

194

DOCUMENT NOT CONSIDERED
 FINAL UNLESS ALL
 SIGNATURES COMPLETED

DRAWN BY : B. N. BARODAWALA DATE : 5-19
 CHECKED BY : T. H. CARROLL DATE : 04-21
 DESIGN ENGINEER OF RECORD: A. K. PATEL DATE : 04-21