PREL303.DGN PIN NO. 124052.00 PE. NO. 18002-1233-94 TOTAL BRIDGE LENGTH = 260'-0"± PROJECT NO. YEAR SHEET NO. 75'-0"± 75'-0"± EXISTING BRIDGE DRAWINGS 110'-0"± BR-NH-1(386) 2021 LAYOUT G-8-24 DETAILS OF SPAN G-8-25 1770.00 REVISIONS BEG. OF BRIDGE STA. 11+44.00 ± F.G. ELEV. 1757.32 € PIER NO.1 STA.12+19.00 ± F.G.ELEV.1756.74 PIER NO.2 STA.13+29.00 ± F.G.ELEV.1755.89 END OF BRIDGE STA.14+04.00± F.G.ELEV.1755.30 BRIEF DESCRIPTION ABUTMENTS NOS. 1 AND 2 G-8-26 09-03-21 W.P. REVISED HYDRAULIC DATA AND GRADE BENTS NOS. 1 THRU 6 G-8-27 STANDARED CONCRETE HANDRAIL E-12-105 1760.00 BRIDGE REPAIR PLANS BR-6-5 THRU BR-6-10 1750.00 (I) (F) (F) 1740.00 FUTURE GREENWAY APPROXIMATE EXISTING GROUND LINE ELEV. 1724.69-BERM TO NATURAL GROUND CLASS A-3 RIP-RAP 8" THICK (TYP.) -LOW GIRDER 1730.00 ELEV. 1748.85 DATUM GENERAL NOTES - ELEV. 1715.83 1) CONSTRUCTION SPECIFICATIONS: TENNESSEE DEPARTMENT OF TRANSPORTATION STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION. (JANUARY 1, 2021 EDITION). 1720.00 DENOTES: AREA TO BE EXCAVATED AND PAID FOR AS A ROADWAY ITEM. 1710.00 2) DESIGN SPECIFICATIONS: 9TH EDITION (2020) AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS AND THE 2ND EDITION (2011) AASHTO GUIDE SPECIFICATIONS FOR LRFD SEISMIC BRIDGE DESIGN (WITH INTERIMS.) I DENOTES: INTEGRAL. 12+00 14+00 3) LOADING: HL-93 LIVE LOADING: LAT. 35°57'40", LONG. 85°03'04.27", SEISMIC ZONE "!" SITE CLASS "B", WITH PGA = 0.09, SS = 0.194, S1 = 0.066 (1000 YEAR RETURN PERIOD). DEAD LOAD INCLUDES 35 LB/SO. FT. FOR FUTURE WEARING SURFACE. 13+00 DENOTES: FIXED. ELEVATION (SCALE 1" = 15'-0") TENNESSEE 4) CONCRETE: CLASS "A" F'C = 3,000 PSI, BRIDGE DECK CLASS "D" F'C = 4,000 PSI. NOTE: ELEVATION VIEW IS PROJECTED FROM PLAN VIEW BELOW. DIMENSIONS MAY NOT BE THE SAME AS THE NOTED 5) REINFORCING STEEL: TO BE ASTM A615 GRADE 60. (EPOXY COAT ALL SLAB STEEL.) 6) SUPERSTRUCTURE: TO CONSIST OF 3 SPANS OF CONTINUOUS PRECAST, PRESTRESSED CONCRETE 63" BULB TEE BEAM WITH COMPOSITE DECK SLAB. SCALE. GREENWA RIP-RAP DRAINAGE DITCH SEE STD. DWG. NO. STD-10-3 (TYP.) 388 7) USE STD-1-1SS PARAPETS. 8) TEXTURE COATING: TO BE GRAY (36440) EXCEPT TRAFFIC FACE \$ TOP OF PARAPET TO BE WHITE (37886). BEGINNING LASS A-3 RIP-RAP (TYP.) 2230 9) EXCAVATION: TO BE BASED ON FINAL PROFILE AT ABUTMENTS AND EXISTING STA. 11+44.00 ± 10) BRIDGE DECK SURFACE FINISH: TO BE IN ACCORDANCE WITH METHOD 1 IN ARTICLE 604.22 OF THE STANDARD SPECIFICATIONS. 388 11) EXISTING BRIDGE NO.18SR0010005 (BR LOC.NO.18-SR001-12.70) AND APPROACHES TO BE REMOVED TO NATURAL GROUND BETWEEN STATIONS 11+46.81 AND 14+00.34 LINE TANGENT LINE TANGENT TO CURVE @ P.T. STA. STA. 12+70.50 TO CURVE @ STA 12+70.50 -END OF BRIDGE STA.14+04.00± STA 12+70.50 12) BRIDGE DECK DRAINS ARE REQUIRED. 12+00 13+00 13) RIP-RAP FLUMES REQUIRED ON BOTH SIDES AT ABUTMENT 2 AS PER STD-10-3. — & SURVEY AND FINISHED GRADE LINE (STATE ROUTE 1) PIER NO. 1 ≥ 14+00 14) MACHINED RIP-RAP SHALL BE CLASS "A-3" IN ACCORDANCE WITH SECTION 709 OF THE STANDARD SPECIFICATIONS AND SHALL BE PAID FOR TA.12+19.00 STA. 13+29.00 UNDER ROADWAY ITEM 709-05.05. 15) OUR EXISTING BRIDGE DRAWINGS, INSPECTION REPORTS, OR ACM (ASBESTOS CONTAINING MATERIAL) SURVEY INDICATE THIS BRIDGE CONTAINS ELEMENTS WITH ACM. TO MINIMIZE THE AMOUNT OF HAZARDOUS MATERIAL WASTE, THE ELEMENTS CONTAINING ASBESTOS SHALL BE REMOVED PRIOR TO DEMOLITION OF THE ENTIRE STRUCTURE. THE CONTRACTOR IS REQUIRED TO TAKE ALL MANDATORY SAFEGUARDS PRESCRIBED BY STATE AND FEDERAL LAW FOR BOTH WORKER PROTECTION AND HAZARDOUS MATERIALS DISPOSAL. ≈ 40′-0" BERM (TYP.) GREENWAY 35′-6 18'-0" (TYP.) &£6 88 16. EXISTING BRIDGE DESCRIPTION: 199'-6", 34'-6" OUT-TO-OUT, 7 SPANS AT 28'-6" CONTINUOUS CONCRETE DECK GIRDER BRIDGE WITH CONCRETE SUBSTRUCTURE, 18SR0010005, G-8-24. PAVEMENT AT BRIDGE ENDS SEE STD. DWG. NO. STD-1-5 (TYP.) 11+44.00 ELEV. 1757.32 14+04.00 ELEV. 1755.30 VPI 14+50.00 PLAN ■ DENOTES PARAPET DRAIN AT STATIONS - 13+40.00 AND 13+50.00 (TYP.) (SEE STANDARD DWG. NO. STD-1-2SS) (SCALE 1" = 15'-0") LIMITS OF > STRUCTURE -1.24% STATE OF TENNESSEE

DEPARTMENT OF TRANSPORTATION -0.78% HYDRAULIC DATA -0.38% HYDRAULIC LAYOUT 12.46 SQ. MI. DRAINAGE AREA STATE ROUTE 1 DESIGN DISCHARGE (100YR) WATER AREA PROVIDED OVER 343.03 FT² 0.21 FT @ ELEV. 1724.43 BELOW ELEV. 1724.43 100 YR BACKWATER PROPOSED GRAPHICAL GRADE OBED RIVER BRIDGE ID. NO. 18 SRO010005 LOG MILE 12.72 (STATE ROUTE 1) 100 YR VELOCITY ROADWAY OVERTOPPING ELEV. 4.58 FPS 1758.00 NOTE: ANY EXCAVATION OF THE STREAM CHANNEL AREA (E.C., FOR PIER FOOTING OR RIP-RAP PLACEMENT) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. THIS SHALL BE ACCOMPLISHED BY THE USE OF SHEET PILES. FLUMES, DIVERSION PIPE WITH SAND BAG DAM AT PIPE INLET, LINED DIVERSION CHANNEL WITH SAND BAG OR CLEAN ROCK BERM, JERSEY BARRIERS, ETC. ALL WORK FOR EXCAVATION IN THE STREAM CHANNEL AREA INCLUDING FROSION PREVENTION AND SEDIMENT CONTROL AND DIVERSION, UNLESS SPECIFICALLY SHOWN ON EROSION PREVENTION AND SEDIMENT CONTROL PLAN, SHALL BE PAID FOR UNDER ITEM NO. 209-65.2X, SEQUENCING FOR CONSTRUCTION IN THE DRY (DESCRIPTION), LS. THIS ITEM SHALL INCLUDE ALL COST FOR MATERIALS, LABOR, MAINTENANCE, REMOVAL, SITE RESTORATION, AND OTHER MISCELLANEOUS ITEMS. ADDITIONALLY ANY EXCAVATION NOT DESIGNATED AS BRIDGE EXCAVATION 204-XX IS TO BE INCLUDED IN THIS ITEM AND FOOTNOTED "EXCAVATION INCLUDED IN THIS ITEM IS UNSUITABLE FOR ROADWAY FILL MATERIAL". 500 YR DISCHARGE 2208 CFS @ ELEV. 1725.37 STATION 12+74.00 CUMBERLAND COUNTY CORRECT Dell A Time of STRUCTURES (STRUCTURES CONTINUED OF STRUCTURES CONTINUE 2021 DATE 08-21
DATE 08-21 DRAWN BY J.W.S./T.C.J.
SUPERVISED BY G.K./D. SPINKS DATE 08-21 CHECKED BY____ W. PECK