

BENCHMARK #1
3/4" IRON BAR
STA. 104+01.71 (128.10' LT.)
ELEV=359.92

BENCHMARK #2
CUT "X" ON HEADWALL
STA. 106+49.59 (198.71' LT.)
ELEV=358.78

BENCHMARK #3
3/4" IRON BAR
STA. 108+39.15 (266.17' LT.)
ELEV=357.68

106+20.60, @ EXIST. 3-20' SLAB SPANS
W/ CONCRETE DECK ABUTMENTS
2 PIERS, 20' WIDE.
(REMOVE)

SCALE
1" = 10' HOR.
1" = 10' VER.

BORING INFORMATION:
SEE SHEET NO. 17



NOTES:
CHANNELS SHALL BE CLEARED, SHAPED AND GRADED BETWEEN RIGHT OF WAY LINES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

DESIGN DATA:
CLASS "AA" CONCRETE $f_c = 4.0$ KSI
CLASS "A" CONCRETE $f_c = 3.0$ KSI
REINFORCING STEEL (GR. 60) $F_y = 60$ KSI
STRUCTURAL STEEL M270 (GRADE 50W) $F_y = 50$ KSI

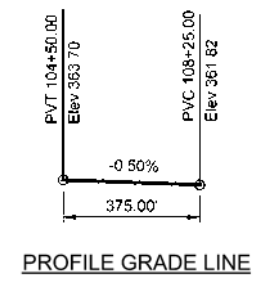
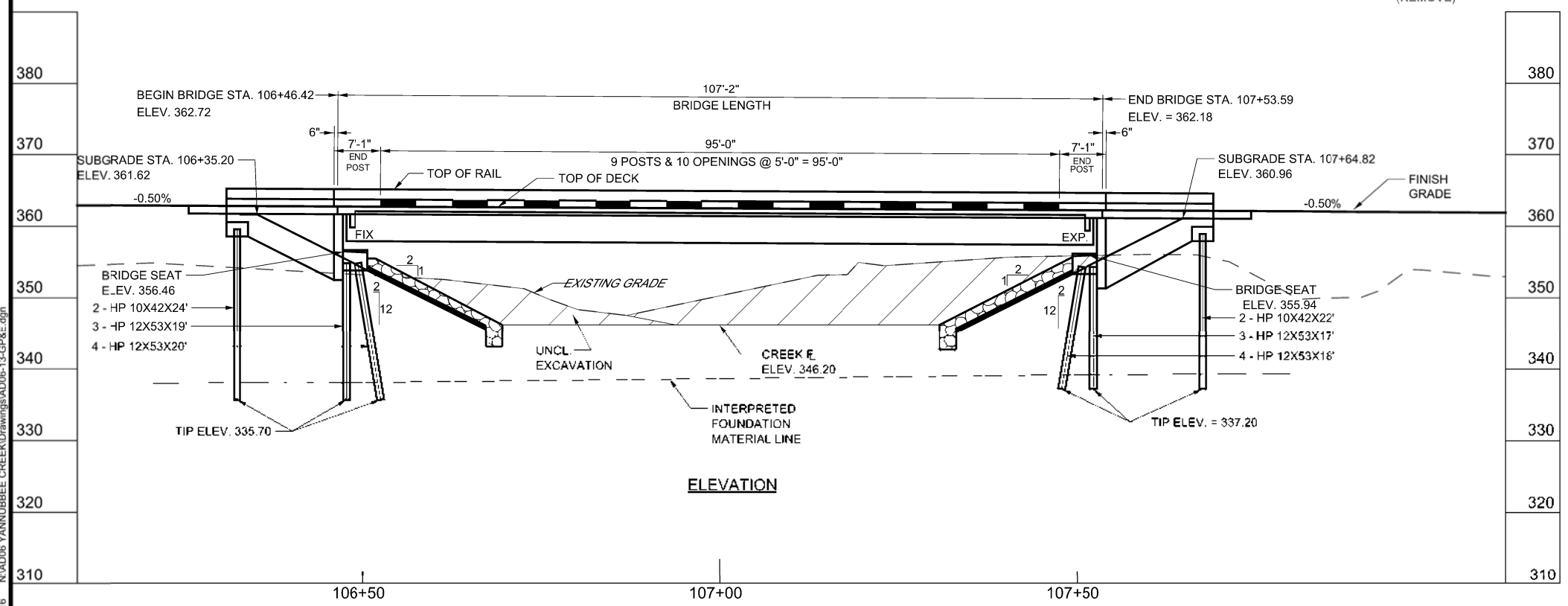
LOADING:
HL-93
20 PSF FUTURE WEARING SURFACE
5 PSF STAY-IN-PLACE FORMS

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION
WITH 2010 INTERIMS, EXCEPT AS MODIFIED BY
CURRENT ODOT BRIDGE DIVISION DESIGN POLICIES.
ANSI/AASHTO/AWS D1.5 BRIDGE WELDING CODE.

LFD OPERATING RATING: HS 57.0

FOUNDATION DATA:
MAXIMUM FACTORED ABUTMENT PILE LOAD = 83.9 TON

STEEL PILING:
PILING SHALL BE DRIVEN THROUGH THE COMPACTED FILL. PILING SHALL BE DRIVEN TO POINT BEARING ON SOLID FOUNDATION MATERIAL AT THE APPROXIMATE ELEVATION SHOWN ON THE PLANS. IF THE REQUIRED AXIAL LOAD RESISTANCE IS NOT OBTAINED AT THIS ELEVATION, DRIVING SHALL CONTINUE UNTIL THE REQUIRED AXIAL LOAD RESISTANCE IS OBTAINED. THE LENGTH OF STEEL PILING SHOWN ON THE PLANS IS FOR ESTIMATING PURPOSES ONLY. ALL ABUTMENT PILING SHALL EXTEND BELOW THE FLOW LINE OF THE BRIDGE CHANNEL AND HAVE A LENGTH OF NO LESS THAN 15'-0"



HYDRAULIC DATA

BRIDGE LENGTH	= 108'-2"
D.A.	= 24.71 SQ. MI.
O.T. ELEV.	= 355.34 FT.
Q2	= 3290.00 CFS
V2	= 4.65 FPS
Q2 CHW	= 355.32 FT
Q5	= 5960.00 CFS
V5	= 6.19 FPS
Q5 CHW	= 357.18 FT
Q10	= 8040.00 CFS
V10	= 6.32 FPS
Q10 CHW	= 358.53 FT
Q25	= 11100.00 CFS
V25	= 6.46 FPS
Q25 CHW	= 359.67 FT.
Q50	= 13800.00 CFS
V50	= 6.44 FPS
Q50 CHW	= 360.36 FT.
Q100	= 16700.00 CFS
V100	= 6.68 FPS
Q100 CHW	= 360.97 FT.
Q500	= 24500.00 CFS
V500	= 7.25 FPS
Q500 CHW	= 362.25 FT
QOT (ROADWAY)=Q2	

DESIGN	BP	04/15	McCURTAIN COUNTY	BRIDGE OVER YANUBBEE CREEK
DRAWN	WD	04/15	GENERAL PLAN AND ELEVATION 105' PC BEAM TYPE IV, @ STA. 107+00.00 32'-0" CLR. RDY W/ TR3 RAIL	
CHECKED	SK	04/15		
APPROVED				
SQUAD	KCS		STATE J/P NO. 25468(04)	SHEET NO. 12

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