NATCHEZ TRACE PARKWAY RAIL.DGN

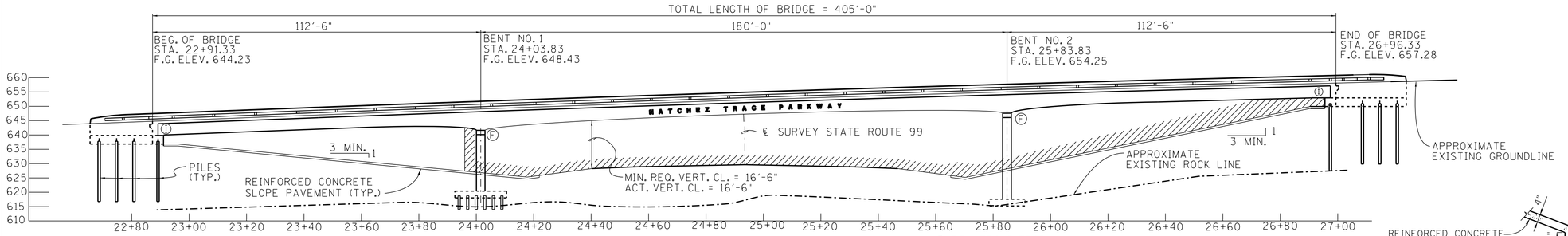
PIN NO. 100301.00

CONST. NO. 51005-3230-14

PROJECT NO.	YEAR	SHEET NO.
NH-99(51)	2015	

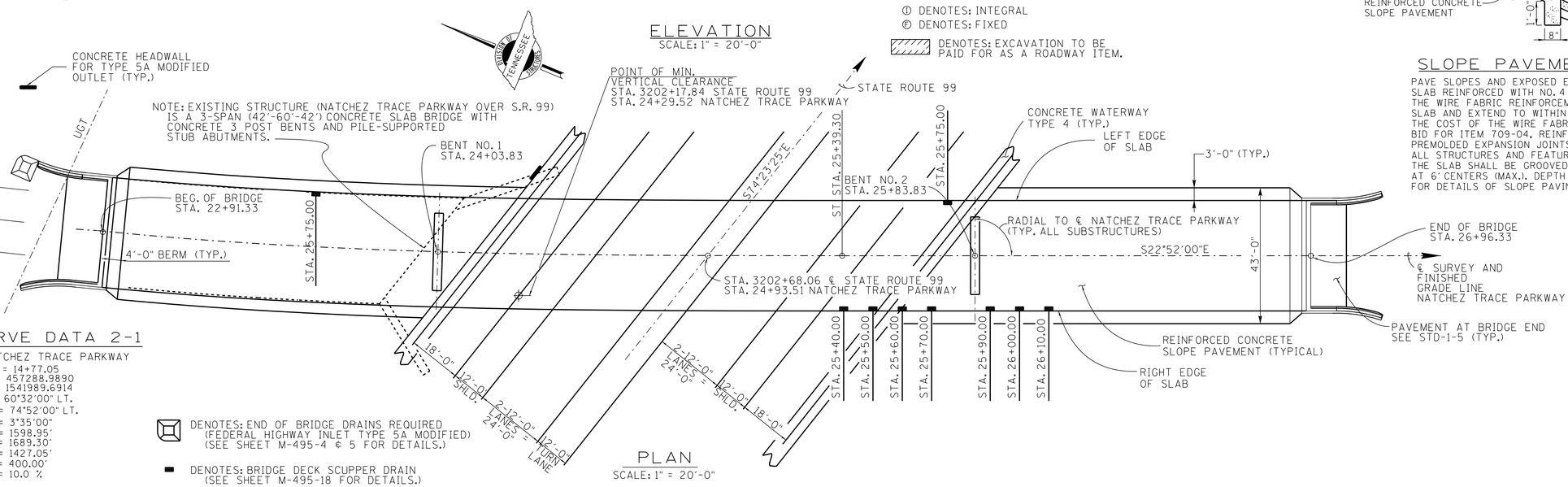
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



Ⓘ DENOTES: INTEGRAL
Ⓕ DENOTES: FIXED
DENOTES: EXCAVATION TO BE PAID FOR AS A ROADWAY ITEM.

ELEVATION
SCALE: 1" = 20'-0"



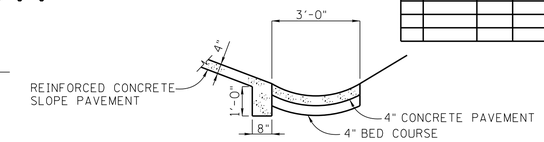
PLAN
SCALE: 1" = 20'-0"

CURVE DATA 2-1

NATCHEZ TRACE PARKWAY
P.I. = 14+77.05
N = 457288.9890
E = 1541989.6914
Δ = 60°32'00" LT.
Δ_S = 74°52'00" LT.
Dc = 3°35'00"
Rc = 1598.95'
Lc = 1689.30'
Ts = 1427.05'
Ls = 400.00'
Se = 10.0 %

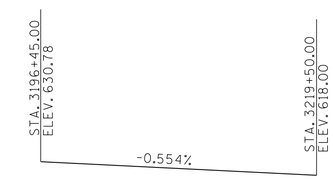
DENOTES: END OF BRIDGE DRAINS REQUIRED (FEDERAL HIGHWAY INLET TYPE 5A MODIFIED) (SEE SHEET M-495-4 & 5 FOR DETAILS.)

DENOTES: BRIDGE DECK SCUPPER DRAIN (SEE SHEET M-495-18 FOR DETAILS.)

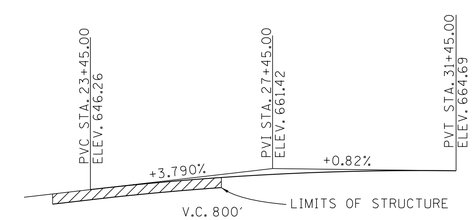


SLOPE PAVEMENT DETAIL

PAVE SLOPES AND EXPOSED EARTH UNDER BRIDGES WITH 4" THICK CEMENT CONCRETE SLAB REINFORCED WITH NO. 4 GAGE WIRE FABRIC @ 6" CENTERS AND 58 LB. PER 100 S.F. THE WIRE FABRIC REINFORCEMENT SHALL BE PLACED AT ONE-HALF THE DEPTH OF THE SLAB AND EXTEND TO WITHIN 3" OF ITS EDGE WITH A 12" LAP REQUIRED ON ALL SHEETS. THE COST OF THE WIRE FABRIC REINFORCEMENT TO BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 709-04. REINFORCED CONCRETE SLOPE PAVEMENT. ONE-HALF INCH PREMOLDED EXPANSION JOINTS WITHOUT LOAD TRANSFERS SHALL BE FORMED ABOUT ALL STRUCTURES AND FEATURES PROJECTING THROUGH, IN OR AGAINST THE SLAB. THE SLAB SHALL BE GROOVED PARALLEL WITH ROADWAY CENTERLINE ABOVE AND BELOW AT 6' CENTERS (MAX.). DEPTH OF GROOVE TO BE NOT LESS THAN 1". SEE SHEET M-495-9 FOR DETAILS OF SLOPE PAVING.



FINISHED GRADE SKETCH
STATE ROUTE 99



FINISHED GRADE SKETCH
NATCHEZ TRACE PARKWAY

LIST OF DRAWINGS

	DWG. NO.	LAST REV. DATE
LAYOUT OF BRIDGE	BR-119-49	----
GENERAL NOTES & ESTIMATED QUANTITIES	BR-119-50	----
PHASE CONSTRUCTION DETAILS	BR-119-51	----
CONCRETE BRIDGE RAILING	BR-119-52	----
CONCRETE BRIDGE RAILING TABLE AND NOTES	BR-119-53	----
MISCELLANEOUS DETAILS	BR-119-54	----
END OF WING DETAIL	BR-119-55	----

LIST OF STANDARD DRAWINGS

	DWG. NO.	LAST REV. DATE
REINFORCED CONCRETE PAVEMENT AT BRIDGE ENDS	STD-1-5	3-26-14
REINF. BAR SUPPORT DETAILS FOR CONC. SLABS	STD-9-1	10-07-08

LIST OF SPECIAL PROVISIONS

	PROV. NO.	LAST REV. DATE
REPAIR OF BRIDGE DECK CRACKS	604CR	3-01-06

SCOPE OF WORK

1. CONSTRUCT ENVIRONMENTAL PROTECTION.
2. INSTALL TRAFFIC CONTROL TO PROVIDE ONE LANE OF TRAFFIC ON NATCHEZ TRACE DURING CONSTRUCTION STAGE.
3. REMOVE AND REPLACE BOTH BRIDGE RAILS.
4. REPLACE SECTIONS OF THE ABUTMENT, SLAB, AND END OF GIRDER AT ABUTMENT NO. 1 AND ABUTMENT NO. 2.
5. REMOVE ASPHALT OVERLAY AND BRIDGE DECK SEAL.
6. SEAL TEMPORARY ACCESS OPENING COLD JOINTS.
7. REPLACE BRIDGE DECK SEAL AND ASPHALT OVERLAY.
8. INSTALL EXPANSION JOINTS AT ABUTMENT NO. 1, AND ABUTMENT NO. 2, AND AT ENDS OF APPROACH PAVEMENTS.
9. APPLY CLASS II FINISH.
10. REMOVE AND DISPOSE OF DEBRIS INSIDE OF SUPERSTRUCTURE.

2020 ADT =
34'-0" ROADWAY WITH NATCHEZ TRACE PARKWAY BRIDGERAIL
DESIGN SPEED = 70 MPH

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 1
LAYOUT OF BRIDGE
NATCHEZ TRACE PARKWAY
OVER STATE ROUTE 99
BRIDGE ID. NO. 51SR0990017
STATION 24+93.51
LEWIS COUNTY
2015

JOHN S. HASTINGS
REGISTERED ENGINEER
No. 25
AGRICULTURE
STATE OF TENNESSEE
06/09/2015

CORRECT Wayne J. Sepe
ENGINEER OF STRUCTURES

DESIGNED BY J.S. HASTINGS DATE 12-14
DRAWN BY KEVIN MARTINKO DATE 1-15
SUPERVISED BY J.S HASTINGS DATE 1-15
CHECKED BY J.S. HASTINGS DATE 5-15