CONST. NO. 51005-3230-14

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

REVISIONS

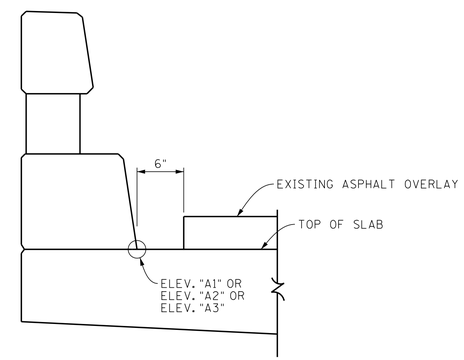
NO.	DATE	BY	BRIEF DESCRIPTION

RAIL CONSTRUCTION SEQUENCE:

1) THE CONTRACTOR SHALL REMOVE A SIX INCH WIDE STRIP OF THE ASPHALT OVERLAY MEASURED FROM THE INBOARD FACE OF THE EXISTING NATCHEZ TRACE RAIL CURB AND EXTENDING FROM THE BEGINNING OF THE BRIDGE RAIL TO THE END OF THE BRIDGE RAIL. THE CONTRACTOR SHALL SURVEY THE TOP OF DECK AT 5'-0" INCREMENTS AND RECORD THE CORRESPONDING STATION, OFFSETS, AND TOP OF DECK ELEVATIONS ("A1") AT THE INSIDE EDGE OF THE CURB. THESE ELEVATIONS SHALL BE PROVIDED TO THE STRUCTURES DIVISION TO ESTABLISH A CURB PROFILE.
2) ONCE THE SURVEY IS COMPLETE, THE PORTABLE MEDIAN BARRIER MAY BE PLACED. THE CONTRACTOR SHALL RESURVEY EACH OF THE LOCATIONS IN STEP 1 AND RECORD THE ELEVATIONS ("A2"). THIS DATA SHALL BE UTILIZED TO ESTABLISH THE PORTABLE MEDIAN BARRIER DEAD LOAD DEFLECTION.
3) AT THIS POINT THE EXISTING NATCHEZ TRACE RAIL SHALL BE REMOVED. ONCE THE RAIL IS REMOVED, A FINAL SURVEY OF THE STEP 1 LOCATIONS SHALL BE PERFORMED AND THE ELEVATIONS RECORDED ("A3"). THIS DATA SHALL BE UTILIZED TO ESTABLISH THE NATCHEZ TRACE BRIDGE DEAD LOAD DEFLECTION ATTRIBUTABLE TO THE EXISTING RAIL.
4) THE PROPOSED TOP OF CURB PROFILE SHALL BE ADJUSTED FOR THE DEAD LOAD CAMBERS OF THE PORTABLE MEDIAN BARRIER, AND THE NATCHEZ TRACE RAIL.
5) THE ENTIRE CURB PORTION OF THE PROPOSED NATCHEZ TRACE RAIL SHALL BE POURED PRIOR TO ANY POST OR RAILS BEING FORMED AND POURED. EXTREME CARE SHALL BE PROVIDED TO PRODUCE A SMOOTH TOP OF CURB PROFILE WHICH DOES NOT VARY BY MORE THAN A 1/4" IN 10'-0".
6) AFTER THE COMPLETE CURB PORTION IS POURED, THE POST SHALL BE POURED. THE TOP AND BOTTOM OF THE PROPOSED RAIL SHALL PARALLEL THE TOP OF THE PROPOSED CURB. EXTREME CARE SHALL BE PROVIDED TO PRODUCE A SMOOTH TOP AND BOTTOM OF RAIL PROFILE WHICH DOES NOT VARY BY MORE THAN A 1/4" IN 10'-0".
7) CONTRACTOR SHALL FILL 6" STRIP WITH ASPHALT PRIOR TO SHIFTING PHASE I TRAFFIC TO PHASE II TRAFFIC.
8) ONCE A RAIL IS COMPLETE, THE CONTRACTOR SHALL REPEAT STEPS 1 THRU 6 FOR THE OTHER RAIL.

AFTER CONSTRUCTION OF BOTH RAILS IS COMPLETE, THE CONTRACTOR SHALL REMOVE THE ENTIRE ASPHALT OVERLAY AND SEAL.

ALL COST OF SURVEYING THE RAIL SHALL BE INCLUDED IN ITEM NO. 620-03.11 CONCRETE PARAPET (NATCHEZ TRACE RAIL).



ELEVATION VIEW

TABLE FOR LEFT AND RIGHT RAILS

STATION	OFFSET	ELEVATION "A1" FT.	ELEVATION "A2" FT.	DEFLECTION PORTABLE MEDIAN BARRIER ("A1"-"A2") IN.	ELEVATION "A3" FT.	DEFLECTION PORTABLE MEDIAN BARRIER ("A2"-"A3") IN.	TOTAL CAMBER (SUM OF DEFLECTION) IN.

JOHN S. HASTINGS
REGISTERED ENGINEER
No. 112 06/01/2015
AGRICULTURE
STATE OF TENNESSEE

06/01/2015

CORRECT Wayne J. Sepe
ENGINEER OF STRUCTURES

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

BRIDGE NO. 1
CONCRETE BRIDGE RAILING
TABLE AND NOTES
NATCHEZ TRACE PARKWAY
OVER STATE ROUTE 99
STATION 24+93.51
LEWIS COUNTY
2015

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

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