The existing structure is to be removed and replaced with a double three sided precast concrete structure utilizing stage construction.

Existing Structure: S.N. 080-0011; Built in 1928 as S.B.I. Route, Sec. 124. Existing structure is a single span R.C. deck girder bridge on closed abutments. It was widened in 1962; out-to-out width 46'-4'', bk.-to-bk. abuts. length 43'-0''.

Bench Mark: Chiseled square in the top of the southwest wingwall of the South Abutment Elev. 442.25

HIGHWAY CLASSIFICATION
F.A.P. RTE. 116 - II, No. 135
Functional Class: Rural Minor Arterial
A1T. 5500 (MHPA), 8500 (SHPA)
Width 75'-0"
Design Speeds 55 mph
Paved Surface 55 mph

SEISMIC DATA
Seismic Performance Category (SPC) = A
Horizontal Bedrock Acceleration Coefficient (Gh) = 0.085g
Site Coefficient (S) = 1.0

DESIGN STRESSES
CODE REASONS
LOADING H520-44
Allow 50% F.L. for future wearing surface.

DESIGN SCOUR ELEVATION TABLE

WATERWAY INFORMATION

PROJECT NO.
F.A.P. RTE. 116 - SEC. 124B
RICHLAND COUNTY
STRUCTURE NO. 080-2004