Concrete deck to be removed and replaced using Stage Construction.

Existing Structure: S.N. 094-0002 built in 1954 as S.B.I. Route 3, Section 28-BR at Station 829+24.00.

Bench Mark: Chiseled " " on NE wingwall of S.N. 094-0002. Elev. 626.24.

Profile Grade (along ~ roadway)

Elev. 625.66
Sta. 828+75.00

Elev. 625.91
Sta. 828+61.12
Bk. N. Abut.

LVC = 400'

Stations

Elev. 625.84
Sta. 828+62.91
~ Brg. N. Abut.

LVC = 400'

Stations

Elev. 626.43
Sta. 829+01.41
~ Pier 1

Elev. 626.84
Sta. 829+86.87
Bk. S. Abut.

"Paint Only" contract.

7. Clean and paint existing structural steel under separate semi-integral configuration.

6. Remove existing concrete slope wall and replace with riprap.

5. Repair steel beams and diaphragms as necessary.

4. Clean, paint and reuse fixed and expansion bearings at the piers.

3. Reconfigure existing abutments and wingwalls to positive moment only)

2. Make new deck composite in positive moment regions.

1. Remove and replace existing concrete deck.

Scope of Work

Elevation

Limits of Existing Structure

Definitions

Design Specifications (New Const.)

Field Units (New Const.)

Field Units (Existing Const.)

Seismic Data

Seismic Performance Category (SPC) = A

Horizontal Bedrock Acceleration Coefficient (A) = 0.036g

Site Coefficient (S) = 1.2

Fundamental Period (T) = 0.1 sec.

Total Site Acceleration (Sa) = 0.33g

Total Site Velocity (V) = 1.4 ft/sec

Design Speed: 55 m.p.h.

DHV: 244  ADTT: 17.9%

Functional Class: Principal Arterial