No salvage

Traffic to be maintained utilizing cross overs. 248'-7'' Bk. to Bk. abutments. 53'-6'' max. and varies, out-to-out deck. Structures to be removed and replaced. Traffic to be maintained utilizing cross overs. 


Type 6 (Std. 631031) typ.

24'-0'' Rdwy. Aux. Rdwy. Shldr. Aux. Shldr. 40'-0'' Elev. 583.17

Drainage Scupper Type DS-11 typ.

Sta. 192+99.82 Bk. of N. Abut. Elev. 592.15

Sta. 193+01.85 to Sta. 195+38.10 (S.N. 081-0160)

Sta. 194+18.10 ~ Pier

Elev. 593.49

Steel H-piles**

****Based on future overlay and superelevation correction.

F.A.I. Rte. 280 - I-280

Functional Class: Interstate

ADT: 13,050 (2000); 19,400 (2020)

 Posted Speed: 65 mph

Design Speed: 65 mph

DHV: 1,940 (2020)

F.A.I. Rte. 74 - I-74

Highway Classification

2010 AASHTO LRFD Bridge Design Specifications

DESIGN SPECIFICATIONS

Soil Site Class = B

S. N. 081-0159 Looking South shown, S.N. 081-0160 similar

SHEETS

SHEET NO. 1 OF 2 SHEETS

DESIGN STRESSES

f  = 50,000 psi (AASHTO M270 Grade 50)

f  = 60,000 psi (reinforcement)

f  = 3,500 psi

DESIGN SPECTRAL ACCELERATION AT 0.2 SEC. (S  ) = 0.080g

DESIGN SPECTRAL ACCELERATION AT 1.0 SEC. (S  ) = 0.037g

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1

16'-8'' min.****

Proposed rehabilitation

(16'-8'' min. for future wearing surface.

Allow 50#/sq. ft. for future wearing surface.

Soil Site Class = B

Location Sketch

Proposal No. 12345

Contract No. 12345

DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS

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D-92-033-37