

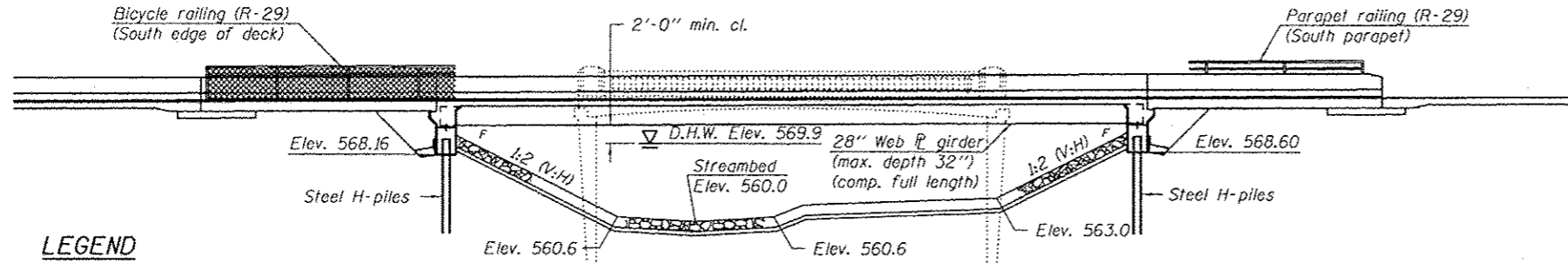
Benchmark: U.S.G.S. datum "□" cut in the center and top of South headwall of concrete culvert Sta. 387+50.
Rt. 30'-8", Elev. 569.31.

Existing structure: Structure no. 081-0061, built in 1937 as F.A. Rte. 138, Section 40B, Station 325+35, as a single span 54'-8" back-to-back abutment, 47'-4" out-to-out reinforced concrete haunched slab and rigid frame. The existing structure is to be replaced with a single span bridge on integral abutments. Traffic is to be maintained utilizing stage construction.

No salvage.

INDEX OF SHEETS

- 1 - General Plan and Elevation
- 2 - General Data & Temporary Soil Retention System Details
- 3 - Stage Construction Details
- 4 - Temporary Concrete Barrier for Stage Construction
- 5-7 - Top of Slab Elevations
- 8 - Top of West Approach Slab Elevations
- 9 - Top of East Approach Slab Elevations
- 10 - Superstructure
- 11-12 - Superstructure Details
- 13-14 - Diaphragm Details
- 15-17 - West Bridge Approach Slab Details
- 18-20 - East Bridge Approach Slab Details
- 21 - Bicycle Railing
- 22 - Drainage Scupper, DS-12
- 23 - Structural Steel
- 24 - Structural Steel Details
- 25 - West Abutment
- 26 - East Abutment
- 27 - HP Pile Details
- 28 - Bar Splicer Assembly Details
- 29-30 - Soil Boring Logs

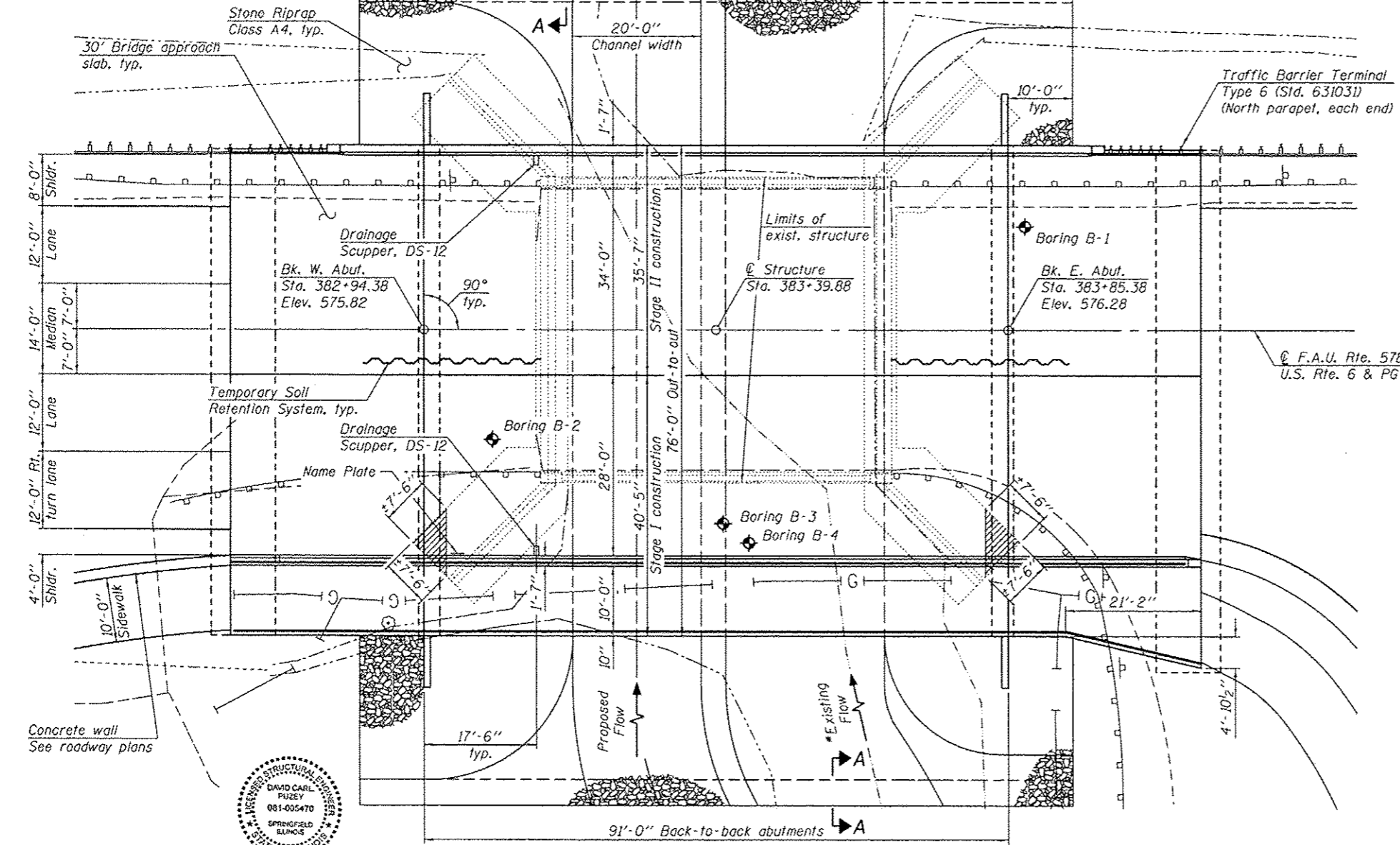


ELEVATION

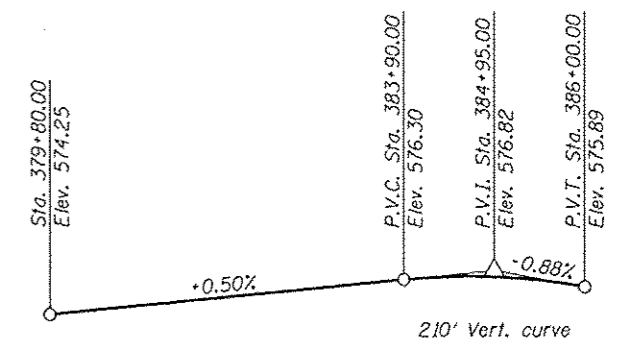
LEGEND

Indicates limits of removal of existing wingwall footing. Cost included with Removal of Existing Structure.

Existing buried gas line



PLAN



PROFILE GRADE
(Along C.F.A.U. Rte. 5789)

DESIGN SPECIFICATIONS

2010 AASHTO LRFD Bridge Design Specifications, 5th Edition, with 2010 Interims

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50W)

LOADING HL-93

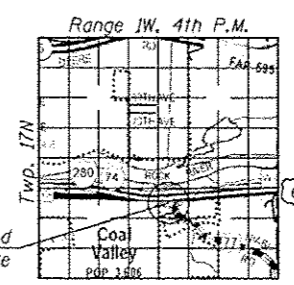
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.06g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.10g
Soil Site Class = C

STATION 383+39.88
BUILT 20 BY
STATE OF ILLINOIS
F.A.U. RTE. 5789 SEC. 40 BR
LOADING HL-93
STRUCTURE NO. 081-0163

NAME PLATE
See Std. 515001



LOCATION SKETCH

GENERAL PLAN & ELEVATION
U.S. RTE. 6 OVER SHAFFER CREEK
F.A.U. RTE 5789 - SEC. 40 BR
ROCK ISLAND COUNTY
STATION 383+39.88
STRUCTURE NO. 081-0163

EXPIRES 11-30-2014

DESIGNED - <i>Stephan Ryan</i>	EXAMINED - <i>John F. Smith</i>	DATE - 3/12/2013
CHECKED - <i>RAY AHANCHI</i>	PASSED - <i>David Carl Puzy</i>	
DRAWN - <i>h.t. duong / M.B.M.</i>		
CHECKED - <i>SMR / GRA</i>		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 081-0163
SHEET NO. 1 OF 30 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40 BR	ROCK ISLAND	225	122
				CONTRACT NO. 64341

