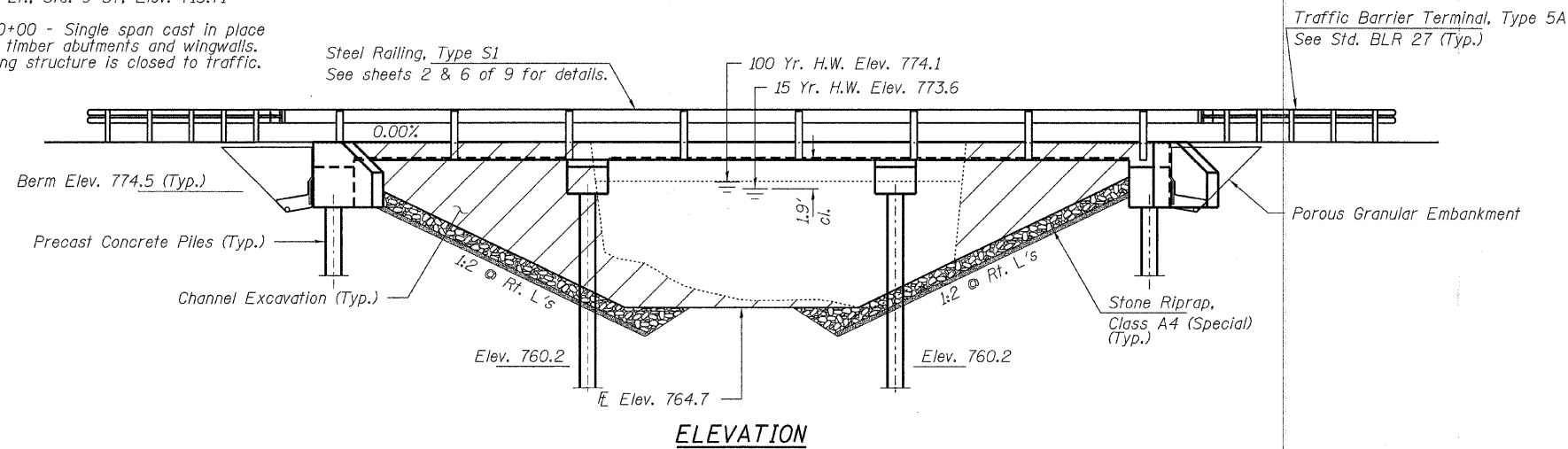


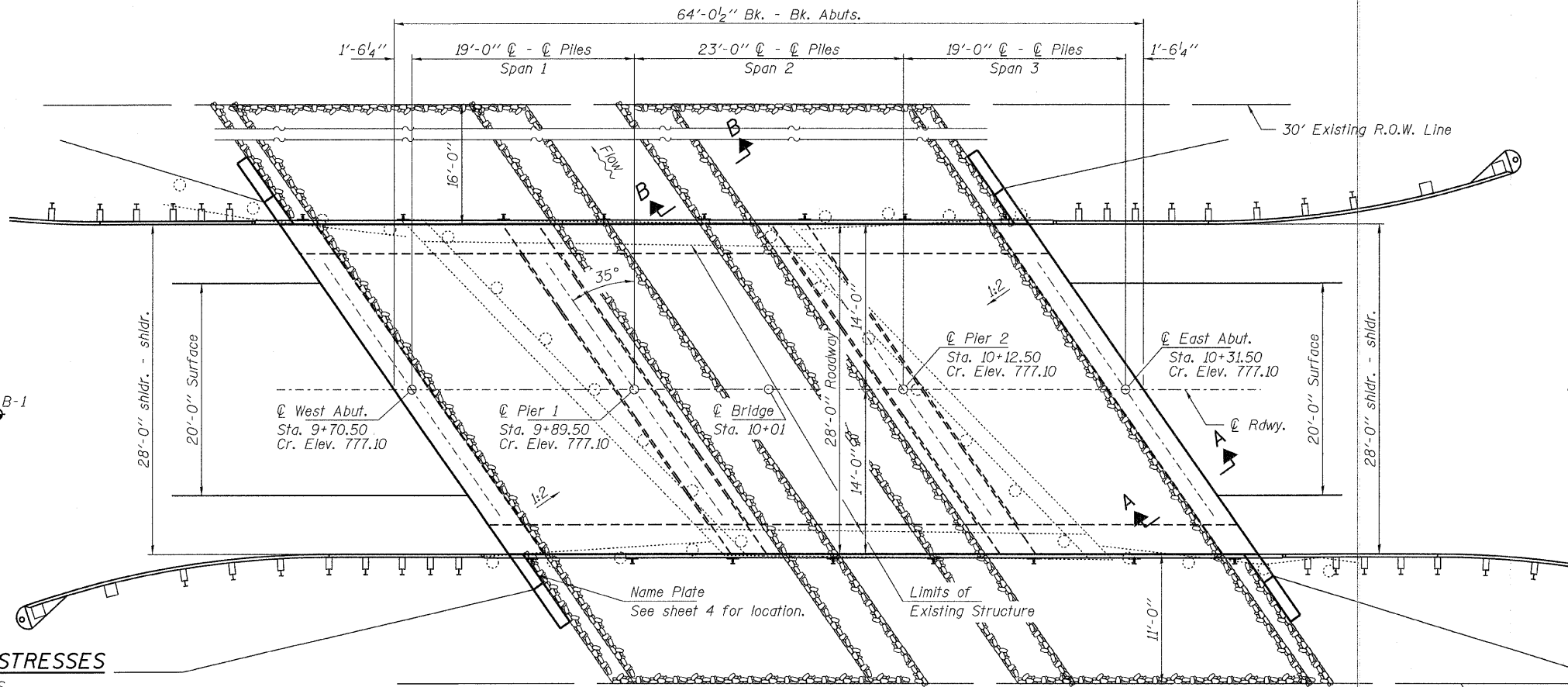
BENCHMARK: Rebar with Tie 3158 Cap; 34.0' Lt., Sta. 9+57; Elev. 713.71

EXISTING STRUCTURE NO. 057-3506; Sta. 10+00 - Single span cast in place concrete bridge with concrete curbs on closed timber abutments and wingwalls. 26.2' fc.-fc. abutts.; 28.2' o.-o. deck. Existing structure is closed to traffic.

No Salvage

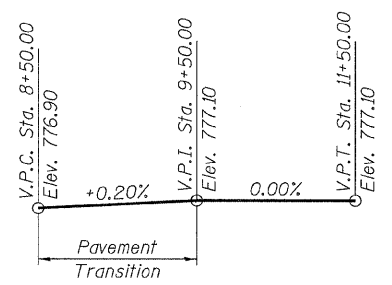


ELEVATION



PLAN

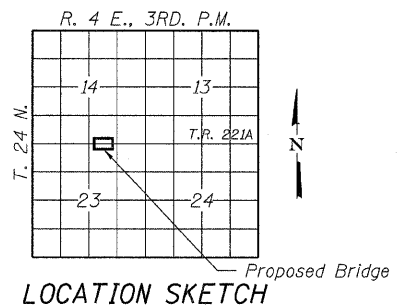
- INDEX OF STRUCTURE SHEETS**
1. General Plan & Elevation
 2. General Details
 3. Slab Elevations
 4. Superstructure
 5. Superstructure Details
 6. Steel Railing, Type S1
 7. Precast Pile Details
 - 8.-9. Borings



PROFILE GRADE

SCHULDT BRIDGE
BUILT 2011 BY
LITTLE CROOKED CREEK
McLEAN COUNTY
SEC. 10-07133-00-BR
STR. NO. 057-3519
LOADING HL-93

NAME PLATE
See Std. 515001



LOCATION SKETCH

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi Load Resistance
 $f_y = 60,000$ psi (Reinf.) Factor Design

LOADING HL-93

Design Specifications: 2010 AASHTO LRFD
with all applicable interims.
50#/Sq. Ft. included in dead load for
future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.120 g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.197 g
Soil Site Class = D

WATERWAY INFORMATION

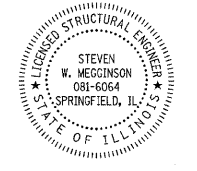
Drainage Area = 3.4 Sq. Mi.		Existing Low Grade Elev. 776.6 @ Sta. 7+00		Proposed Low Grade Elev. 776.6 @ Sta. 7+00		
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Natural H.W.E.	Head - Ft.	Headwater El.
			Exist. Prop.	Exist. Prop.	Exist. Prop.	Exist. Prop.
Design	15	940	140 210	773.57	0.32 0.16	773.89 773.73
Base	100	1610	150 230	774.07	2.77 0.80	776.84 774.87
Max. Calc.	500	2230	150 270	774.81	2.56 1.80	777.37 776.61

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	Pier 1	Pier 2	E. Abut.
	774.5	757.7	757.7	774.5

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Specifications."

Steven W. Meccinson 3/2/2011
ILLINOIS STRUCTURAL NO. 081-6064



Expires 11-30-2012