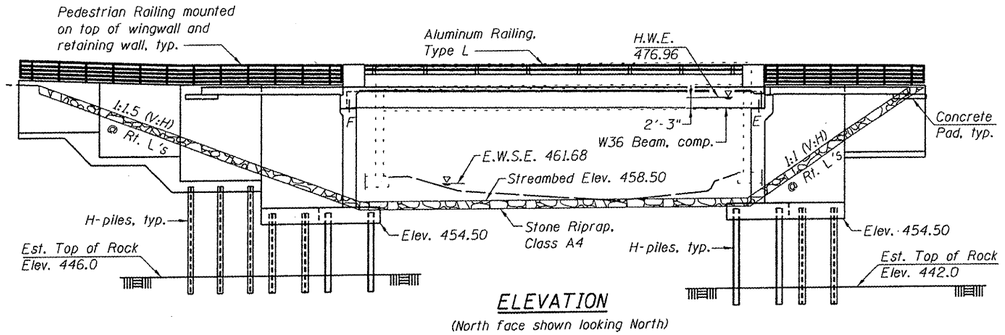
Bench Mark: Chiseled square on top of east parapet of S.N. 082-6108 (3rd Street over Richland Creek). Sta. 100+13.87, 106.62' Lt. Elev. 480.87

Existing Structure: S.N. 082-6109 built in 1914 and repaired in 1989 as M.F.T. Section 89-00136-00-BR. Structure consists of a single span concrete tee beam superstructure supported on closed abutments and retaining walls supporting roadway approaches. ±72' Bk. to Bk. abutments with a 57° skew. 36'-0" out-to-out deck. Structure to be removed and replaced.

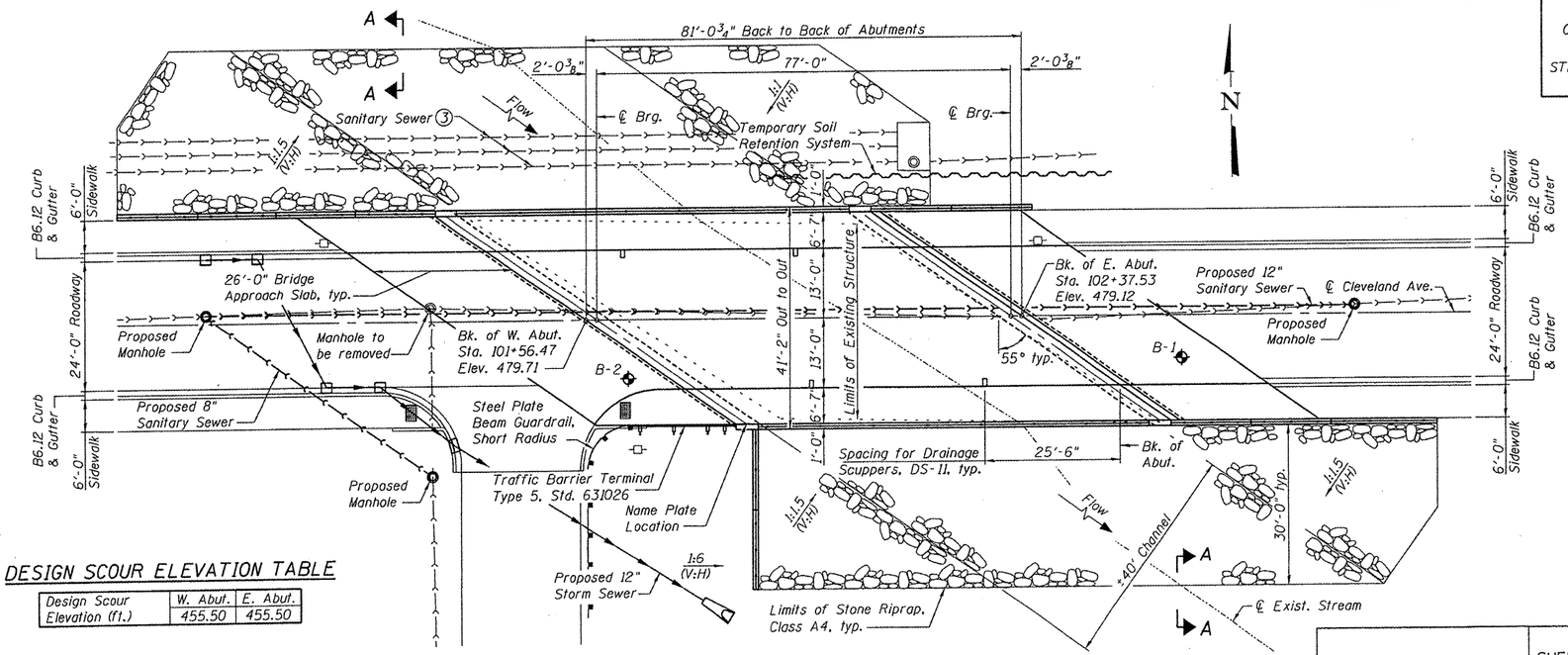
Traffic Control: Bridge will be closed during construction. Traffic will be detoured.

Salvage: Existing name plate to be removed without damage and returned to the city. Cost included with Removal of Existing Structures

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(North face shown looking North)



PLAN

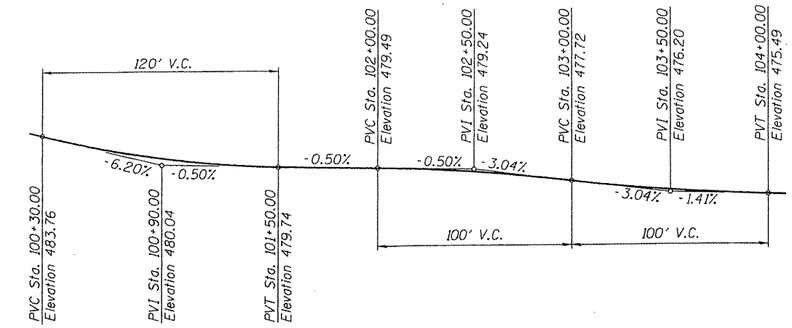
DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	W. Abut.	E. Abut.
	455.50	455.50

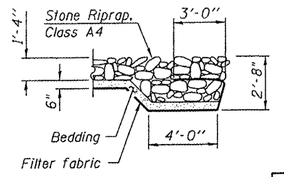
WATERWAY INFORMATION

Drainage Area = 19.81 sq. mi. Low Grade Elev. 474.0 @ Sta. 106+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	5,219	537	646	475.09	0.86	0.39	475.95	475.48
Design	30	6,950	537	646	476.96	0.40	0.19	477.36	477.15
Base	100	8,585	537	646	477.86	0.16	0.02	478.02	477.88
Max. Calc.	500	11,601	537	646	479.05	0.06	0.02	479.11	479.07



PROFILE GRADE - CLEVELAND AVE.
(Along ℄ Roadway)



SECTION A-A

STATION 101+97.00
BUILT 20__ BY
CITY OF BELLEVILLE
LOADING HS20-44
STRUCTURE NO. 082-6113

NAME PLATE
See Std. 515001

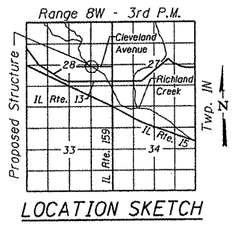
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 36,000 psi (AASHTO M 270 Grade 36)
fy = 50,000 psi (AASHTO M 270 Grade 50)

SEISMIC DATA
Seismic Performance Category (SPC) = B
Bedrock Acceleration Coefficient (A) = 0.12g
Site Coefficient (S) = 1.0

Notes:
1. Three existing power poles shown to be relocated by others.
2. See sheet 2 of 31 for Index of Sheets.
3. 10"-14"-24" diameter sanitary sewer pipes. Contractor shall take special precaution placing riprap in area of sanitary piping under creek.



LOCATION SKETCH

GENERAL PLAN
CLEVELAND AVENUE OVER RICHLAND CREEK
FAU ROUTE 9274
SECTION 04-00202-00-BR
ST. CLAIR COUNTY
STATION 101+97.00
STRUCTURE NO. 082-6113

"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 Standard Specifications for Highway Bridges'."

LICENSED STRUCTURAL ENGINEER
BRUCE P. SCHOPP
081-005158
COLLINSVILLE, ILLINOIS
STATE OF ILLINOIS

Bruce P. Schopp
3/16/09
Exp 11/30/10

SHEET NO. 1	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
31 SHEETS	9274	04-00202-00-BR	ST. CLAIR	55	18
			CONTRACT NO. 97369		
	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

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Design Firm License No. 184.001115

DESIGNED DGL
CHECKED NEL
DRAWN DGL
CHECKED NEL