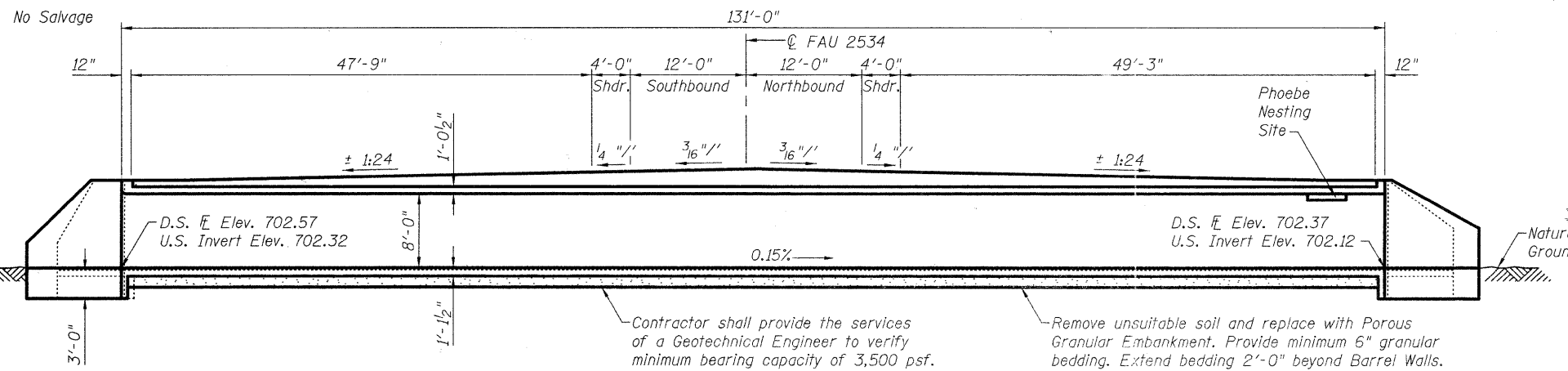


Benchmark: Du Page County survey control point W150003. Disk monument stamped "TT 25GT 1952". Approx. 990' east of Joliet Street, 47' north of Wilson Street, Elev. 723.46

Existing Structure: S.N. 022-3099 built in 1933 as Section 70B-15D as Double Cell 8' x 12' R.C. Box Culvert 24'-0" edge of shoulder to edge of shoulder. Culvert length of 131'-0". Existing culvert to be removed and replaced. Traffic to be maintained using a detour.

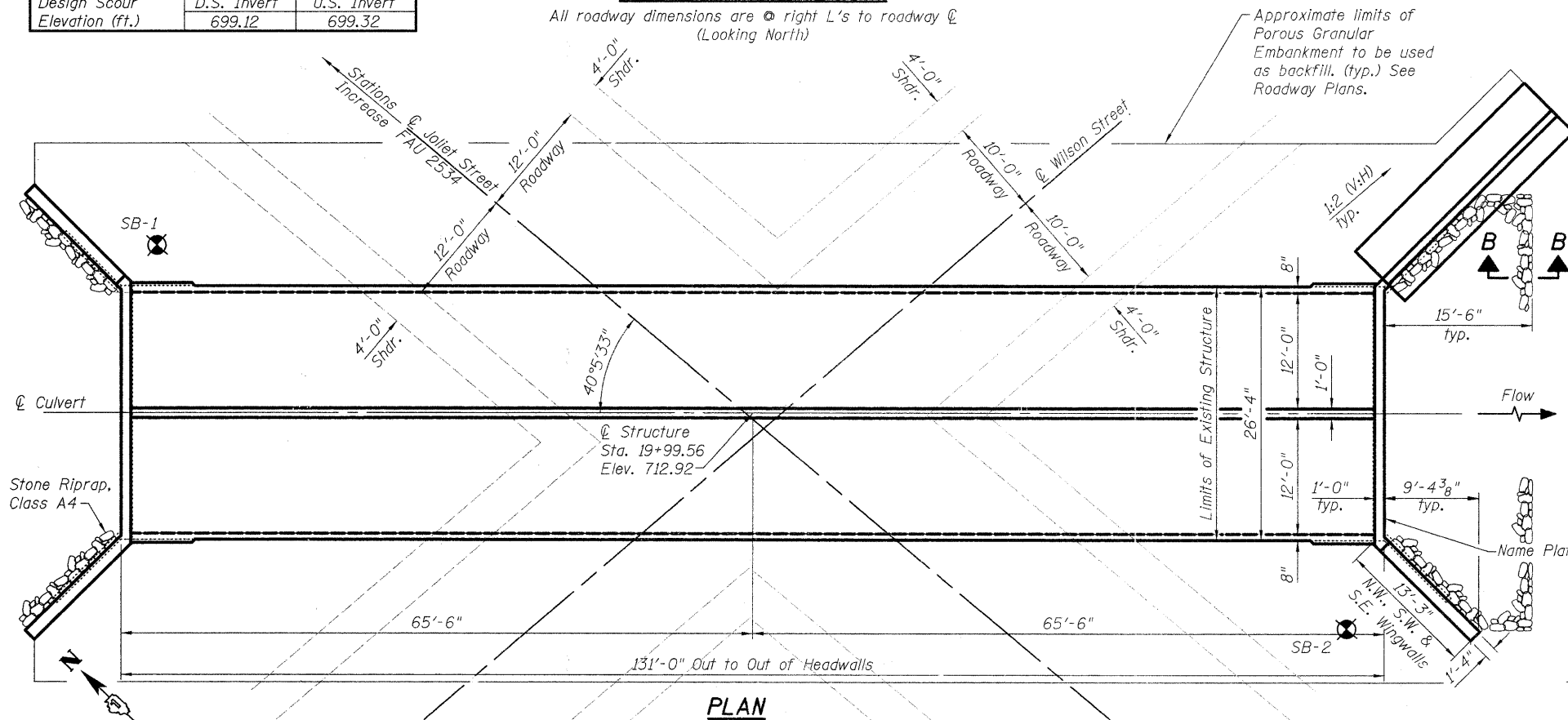


DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	D.S. Invert	U.S. Invert
	699.12	699.32

LONGITUDINAL SECTION

All roadway dimensions are @ right L's to roadway @ (Looking North)



BILL OF MATERIAL

ITEM	UNIT	TOTAL
Porous Granular Embankment	Cu Yd	81
Stone Riprap, Class A4	Sq Yd	136
Filter Fabric	Sq Yd	136
Removal Of Existing Structures	Each	1
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd	7
Concrete Structures	Cu Yd	16
Reinforcement Bars, Epoxy Coated	Pound	96,290
Name Plates	Each	1
Concrete Box Culverts	Cu Yd	417
Waterproofing Membrane System	Sq Yd	401

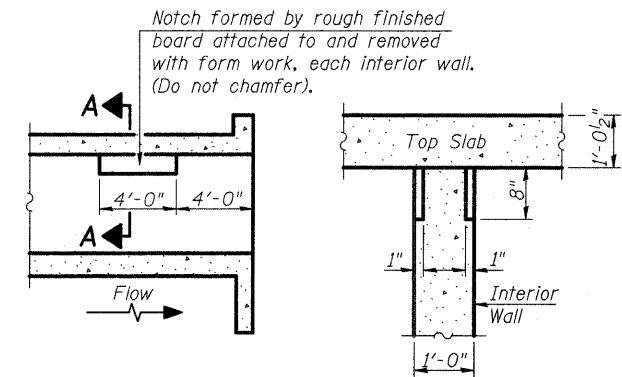
WATERWAY INFORMATION

Drainage Area = 18.1 mi² Low Grade Elev. 711.78 @ Sta. 20+41

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	526	117	117	707.21	0.07	0.07	707.28	707.28
Base	30	719	131	131	707.76	0.06	0.06	707.82	707.82
Max. Calc.	100	932	143	143	708.29	0.03	0.03	708.32	708.32
	500	1290	168	168	709.13	0.00	0.00	709.13	709.13

GENERAL NOTES

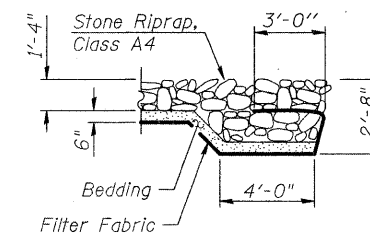
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Reinforcement bars designated (E) shall be epoxy coated.
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 Construction time is to be kept to a minimum. As a result, the Contractor can elect to use a precast box culvert at no additional cost to the contract.



LONGITUDINAL SECTION

SECTION A-A

PHOEBE NESTING SITE DETAILS (Downstream End Only)



SECTION B-B

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2-3 Culvert Details
- 4-5 Soil Boring Logs

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specs. For Highway Bridges

LOADING HS 20-44

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

DESIGN STRESSES

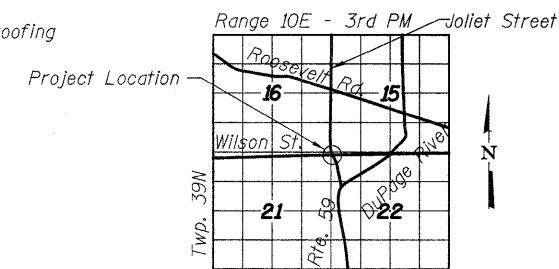
FIELD UNITS

f'c = 3,500 psi
 fy = 60,000 psi (Reinforcement)



"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."

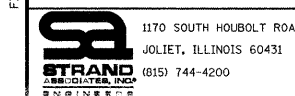
ILLINOIS STRUCTURAL NO. 081-005819 (Expires 11/30/12)



LOCATION SKETCH

**GENERAL PLAN
 FAU 2534 (JOLIET STREET)
 OVER KRESS CREEK
 SECTION 02-00068-00-BR
 DuPAGE COUNTY
 STATION 19+99.56
 S.N. 022-6006**

FILE NAME = S:\JUL162006-6299\2534\081\Microst\Sheets\STR Plans\0226006-X-CPE-001.dgn



USER NAME = br1anf	DESIGNED RRD	REVISIONS
PLOT SCALE =	CHECKED AJS	REVISIONS
PLOT DATE = 2/8/22	DRAWN BJF	REVISIONS
	CHECKED RPD	REVISIONS

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 022-6006**

SHEET NO. 1 OF 5 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2534	02-00068-00-BR	DuPAGE	15	9

CONTRACT NO. 63561