

ROUTE FAP 365	SECTION 2004-037 I	COUNTY DUPAGE	TOTAL SHEETS 20	SHEET NUMBER 6
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CONTRACT 62774

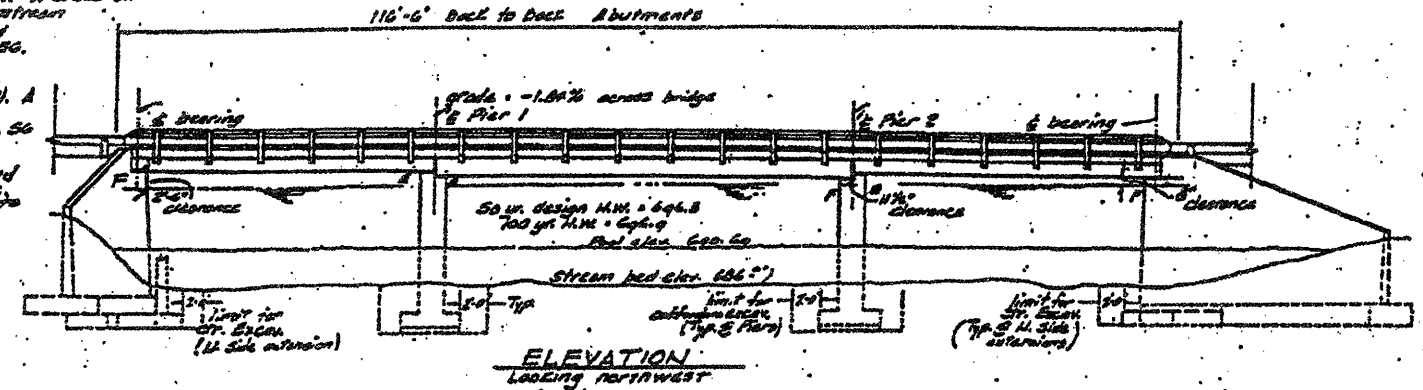
BM - BM6 (Corps designation T.D.M. 23-01. A cross on top of a cut-off 8" bolt on left bank upstream side of concrete abutment of abandoned railroad bridge 200' downstream of 11.56. Elevation = 702.47

BM - BM7 (Corps designation T.D.M. 22-01. A square cut on top of abutment of the right bank upstream corner of the 11.56 Bridge. Elevation = 701.16

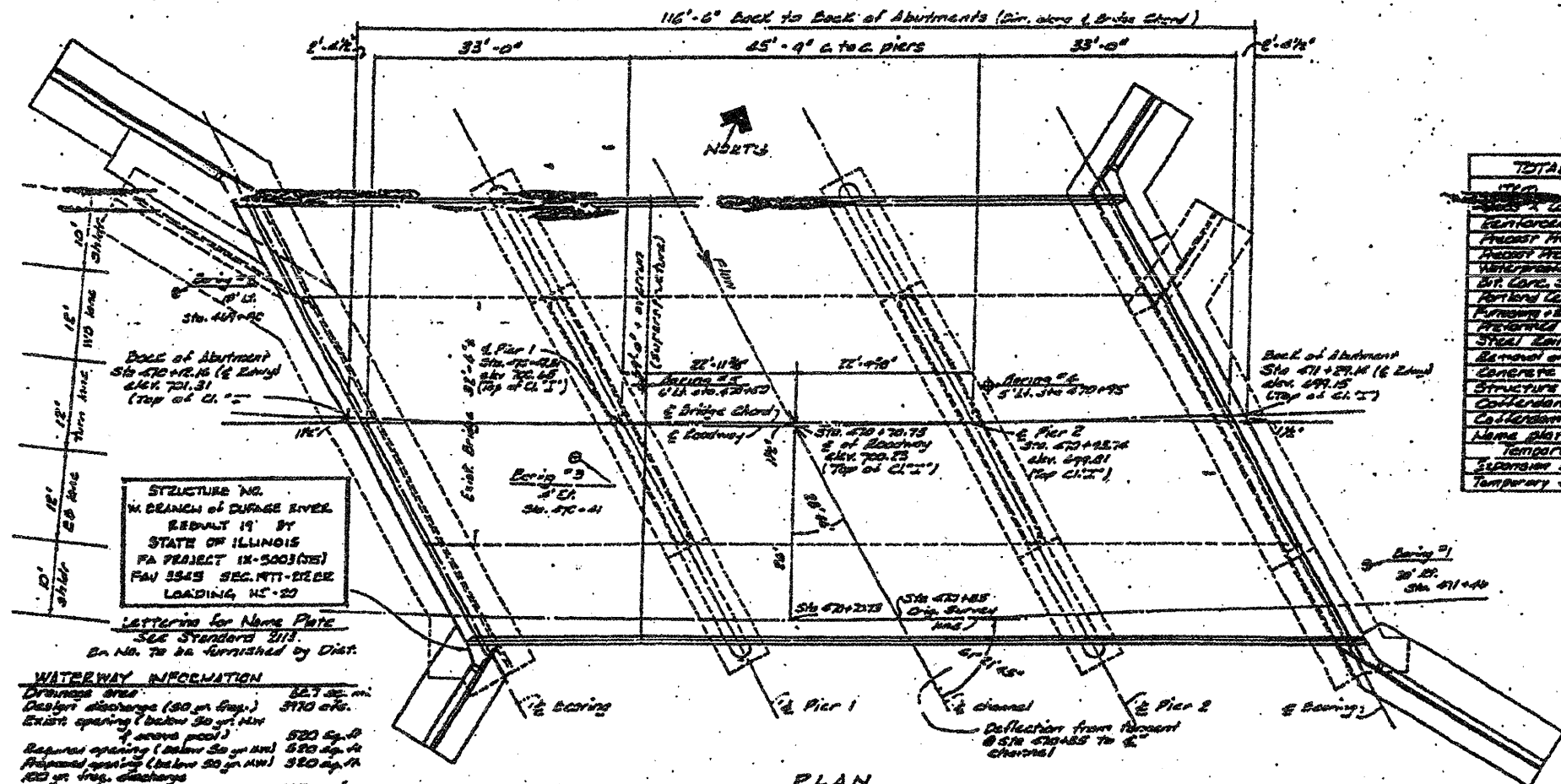
Existing Structure: 3-span cant. haunched corr. steel girder, on Class C Conc. 20' x 1' 3" tall conc. piers. Separators to be removed, abutts / piers widened.

CURVE DATA - SURVEY LINE

A = 14° 25'	RC = 427+25.59
B = 23A.25	RI = 475+31.70
T = 206.11	RT = 485+21.20
Q = 60° 55' 00"	SE = 2.0185 1/1



- GENERAL NOTES:**
1. For Waterproofing Membrane System, see Spc. Pro. 2
  2. For boring data, see Bidding Proposal.
  3. Drill logs shall conform to ASTM D 1586 or D 1586, 6 & 6a
  4. It shall be the responsibility of the Contractor to verify all dimensions and conditions in the field prior to construction and ordering materials.
  5. Item "Removal of Existing Superstructure" shall be in accordance with Article 301.02 of the Std. Specs. Concrete removal of the required portions of the substructure shall be in accordance with Article 301.03 of the Std. Specs.
  6. The cost of pavement removal, removal of approaches including 2' curb facing on approaches, and traffic control items shall be temporary. Concrete shall be crushed and recycled for use in the Roadway Base.
  7. Item "Structure Excavation" shall be in accord with Sec. 302 of the Std. Specs, modified. See Spec. Prov.
  8. For traffic control during stage construction, see Special Provisions.
  9. Prequalified Joint Fills, Cement paste, and non-metallic water seals at abutments shall be incidental to item Class "X" Concrete. Non-metallic seals shall conform to Art 710.6 of the Std. Spec.
  10. Expansion bolts shall consist of cast-in-place expansion anchors and 1/2" x 18" rebar bolts.
  11. Reinforcement Bars shall conform to ASTM A-615 or A-615, Grade 60.



**TOTAL BILL OF MATERIAL**

ITEM	Units	Super	Sub	Plan	Total
CLASS X CONCRETE	cu. yd.	661	-	-	661
REINFORCEMENT BARS	lbs.	920	11,390	3,300	15,610
PRECAST PRESTRESSED CONC. DE. DIM. 17"	sq. ft.	3463	-	-	3463
PRECAST PRESTRESSED CONC. DE. DIM. 21"	sq. ft.	2189	-	-	2189
WATERPROOFING MEMBRANE SYSTEM	sq. ft.	757	-	-	757
BIT. CONC. SURFACE COURSE, MIXTURE D.C.I.	tons	95	-	-	95
PORTLAND CEMENT MORTAR FLOORING CONC.	sq. ft.	1763	-	-	1763
FORMWORK BRACING STRUCTURAL STEEL	lbs.	10,250	-	-	10,250
PRECAST JOINT SEALER TYPE 1	lin. ft.	132	-	-	132
STEEL BRACING TYPE 1	lin. ft.	230	-	-	230
REMOVAL OF EXIST. SUPERSTRUCTURE	cubic	1	-	-	1
CONCRETE REMOVAL	cu. yd.	-	25.2	-	25.2
STRUCTURE EXCAVATION	cu. yd.	-	29.0	-	29.0
COLLECTORS	each	-	2	4	6
COLLECTOR EXCAVATION	cu. yd.	-	75.6	18.6	94.2
NAME PLATE	each	1	-	-	1
TEMPORARY CONCRETE BARRIER	lin. ft.	460	-	-	460
STANDARD BOLTS 1/2" x 18" steel	each	-	105	130	235
Temporary Sheet Piling	sq. ft.	-	450	-	450

STRUCTURE NO. 11.56 BRANCH OF DUPAGE RIVER, BRIDGE 19' BY STATE OF ILLINOIS, PROJECT IX-5003 (NS), FAV 3545 SEC. 171-1122E, LOADING, N.E. 20

LETTERING for Name Plate, SEE Standard 2113, En. No. to be furnished by Dist.

**WATERWAY INFORMATION**

Drainage Area: 527 ac. ±  
 Design discharge (50 yr. freq.): 5710 cfs.  
 Existing opening (below 50 yr. freq.): 500 sq. ft.  
 Required opening (below 50 yr. freq.): 550 sq. ft.  
 Proposed opening (below 50 yr. freq.): 380 sq. ft.  
 100 yr. freq. discharge (crested head = 0.4'): 4450 cfs  
 50 yr. freq. crested head = 0.5'

**FOR INFORMATION ONLY**

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 GENERAL PLAN & ELEVATION  
 IL 56 OVER WEST BRANCH  
 DUPAGE RIVER