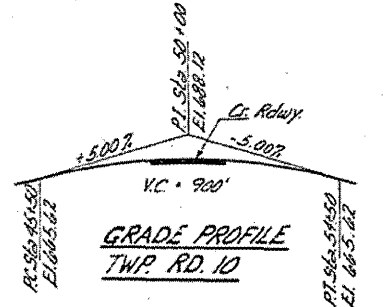
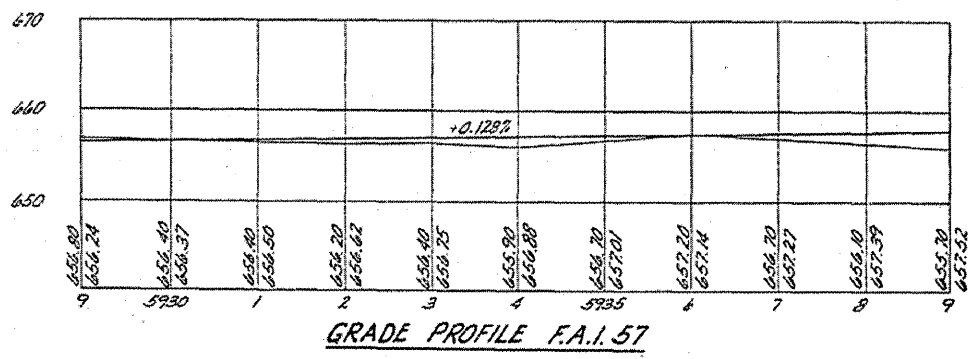
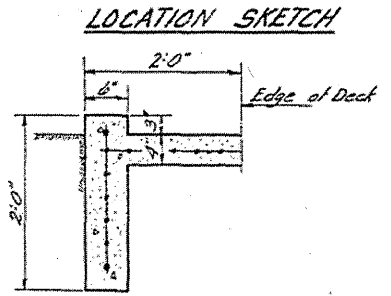
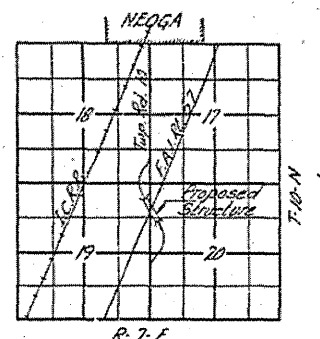
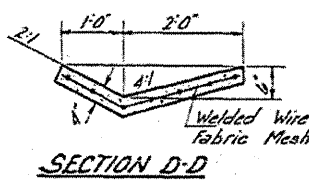
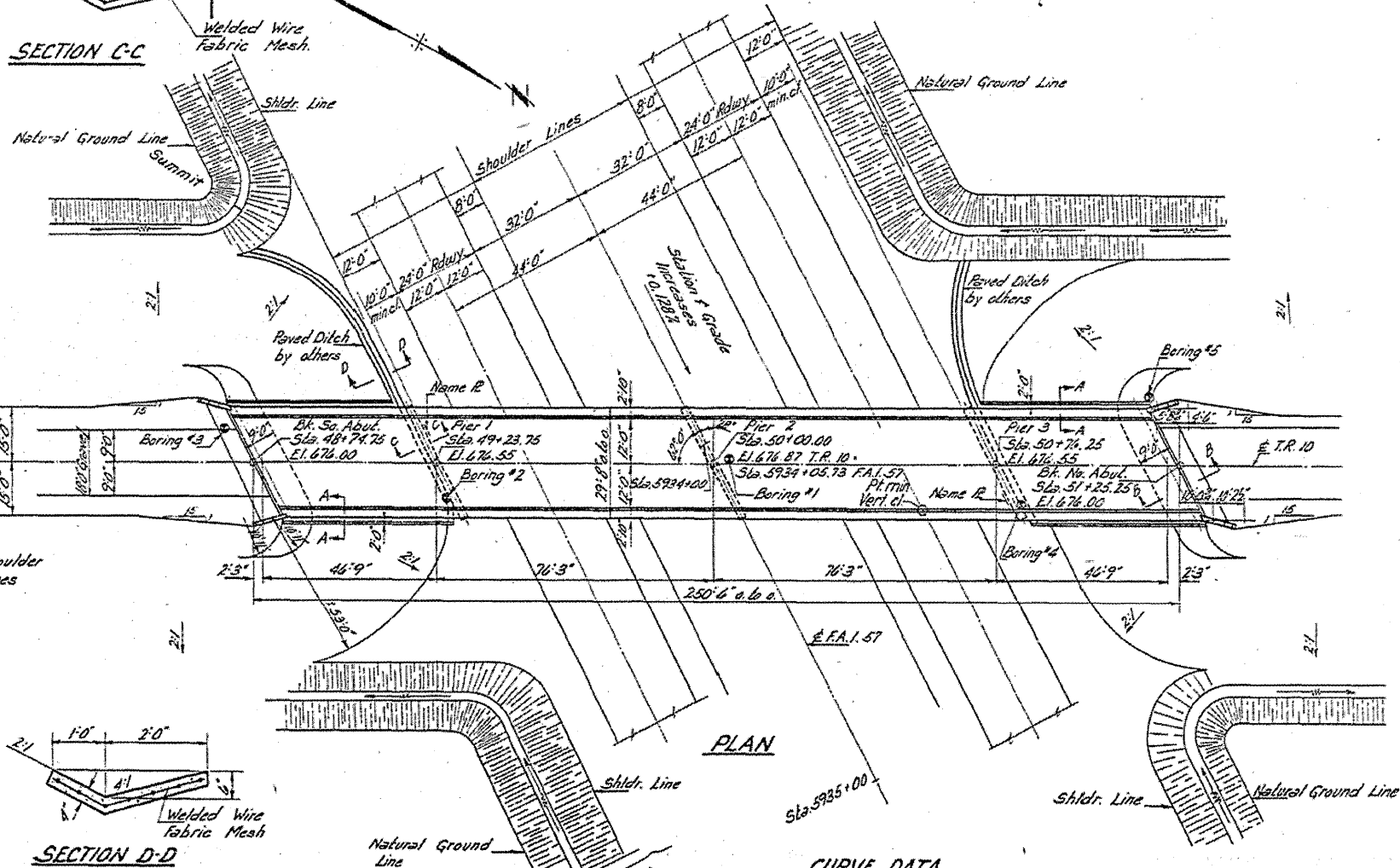
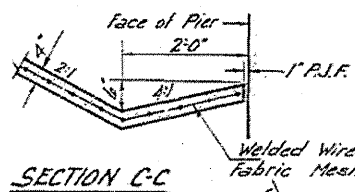
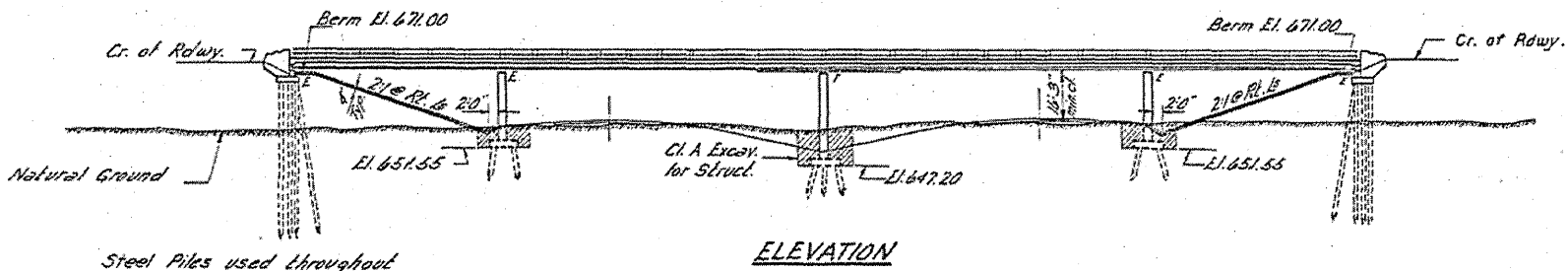


B.M. - USCGS BM 494 H. A. Sta. 5926+39
 Conc. Men. Brass Cap. Walk Azimuth
 Elev. 654.497

STATE OF ILLINOIS
 DEPARTMENT OF PUBLIC WORKS & BUILDINGS
 DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	LOWWAY	SHEET NO.	SHEET NO. 1
RT. 57	12	CUMBERLAND	7	10 SHEETS
FED. ROAD DIST. NO. 2	ILLINOIS	FED. AID PROJECT	1-20-41647-2	74401



TOTAL BILL OF MATERIAL

Item	Super	Sub	Total
* Class A Excav. for Structure	Cu. Yds.	200	200
Class X Concrete	Cu. Yds.	211.1	222.6
Furnishing & Erecting Structural Steel	Lbs.	172,900	177,900
Furnishing & Erecting Metal Handrail	Lin. Ft.	496	496
Reinforcement Bars	Lbs.	41,630	16,640
Steel Piles (8 BP 36)	Lin. Ft.	1,222	1,222
Test Piles (8 BP 36)	Each	2	2
Name Plates	Each	2	2
Slope Wall	Sq. Yds.		430
Protective Coat	Sq. Yds.	877	877

*Includes excavation for slope wall

GENERAL NOTES
 Class X Concrete shall be used throughout.
 Coarse aggregate which is to be used in end posts must be absolutely free of chert, flint, limonite, lignite and soft sandstone.
 The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.
 Permanent forms will not be permitted in forming the concrete floor.
 Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires, weighing 58# per 100 sq.ft.
 Rivets 2" open holes 3/4" unless noted.
 Structural Steel for longitudinal beams, cover plates and splice plates shall conform to A.S.T.M. Designation A-36.
 Anchor bolts shall be set before riving diaphragms over supports.
 All bolsters, rockers, bearing plates, shim plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel, Est. Wt. 6580#.
 Except as otherwise provided all Structural Steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.
 Backs of armor angles at the end of slab shall be given two shop coats of red lead paint.
 All paint shall be furnished and applied by the Contractor.
 The Contractor shall drive two steel test piles in permanent locations, one at the South Abutment and one at Pier 2, as directed by the Engineer before ordering the remaining piles.

DESIGN STRESSES
 1/2" 1,400 p.s.i. Super
 1/2" 75 p.s.i. Footing
 1/2" 20,000 p.s.i. Reinf.
 1/2" 20,000 p.s.i. Struct. (A-36)
 n = 10

LOADING HIS-512-44
 1/2" Defl. 1/4000 (Non-composite)
 1/2" Defl. 1/4200 (Composite)

CURVE DATA
 P.I. Sta. 44+26 Pk. Sta. 55+74
 Δ = 88° 26' 51"
 D = 8° 13' 00"
 R = 497.91
 T = 314.00
 L = 589.62
 E = 67.38
 S.E. 0.08274
 S.E. Attained 260'

STA. 5934+05.73
 BUILT 196 BY
 STATE OF ILLINOIS
 F.A.I. RT. 57 SEC. 18-118-2
 F.A. PROJ. 1-57-4 (45)
 LOADING HIS-512
NAME PLATE
 See Std. 2113

GENERAL PLAN & ELEVATION
 PROJ. 1-57-4 (45) MS
 TWP. ROAD 10 OVER
 F.A.I. RT. 57 SEC. 18-118-2
 CUMBERLAND COUNTY
 STA. 5934+05.73

DESIGNED Tsarung
 CHECKED W. H. Baumann
 DRAWN T. M. G. P. Lawler
 EXAMINED W. H. Baumann
 PASSED
 APPROVED
 APRIL 17 1962

Revised 10/12/62 - 60-foot storm track of the backs of abutments removed. Drainage directions revised. S.E. attained from 260' to 260'.
 177,900 lbs. Reinforcement Bars from 56,490 lbs. to 56,290 lbs.

LOCATION 2