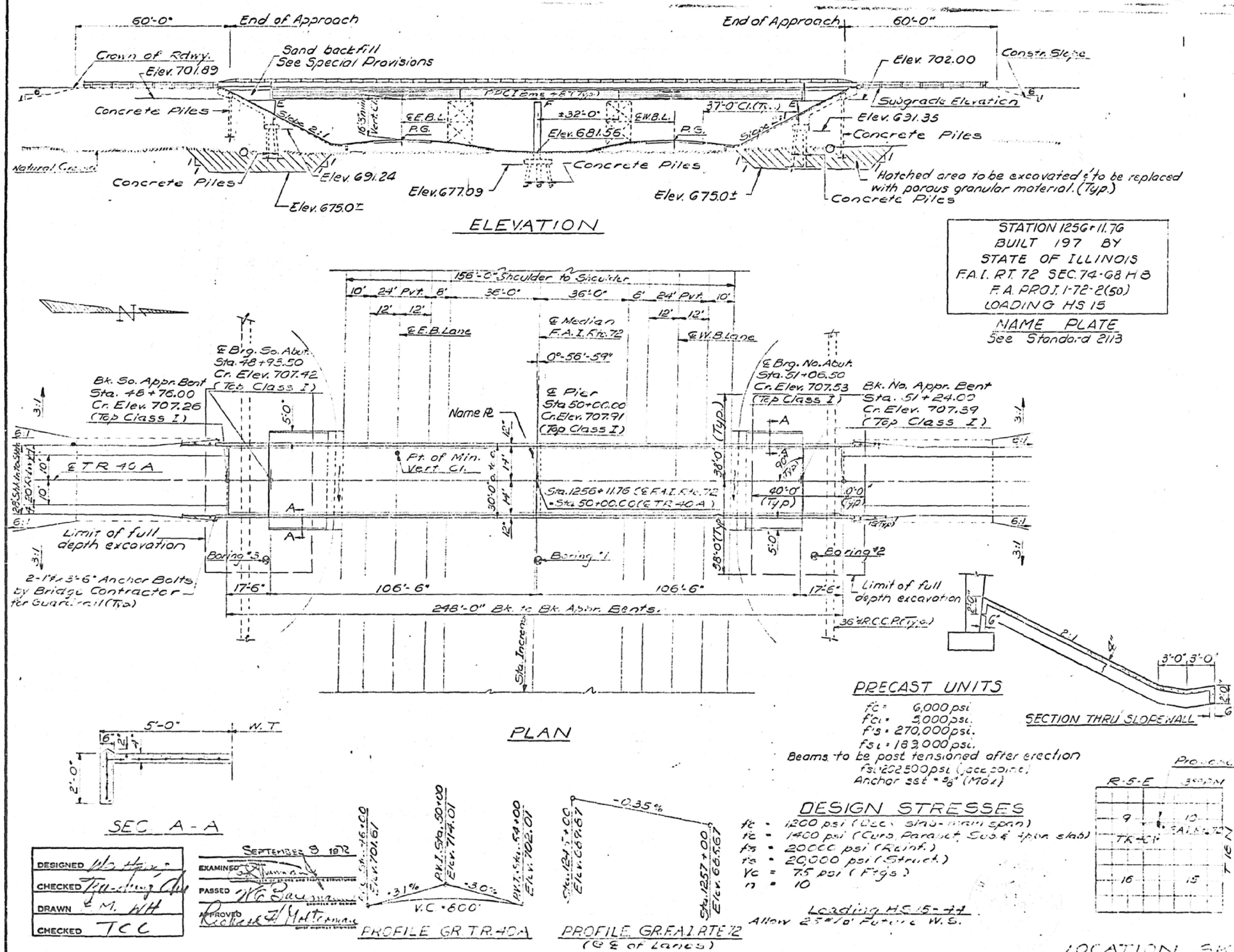
AS–BUILT PLANS – S.N. 074–0062
FOR INFORMATION ONLY

B.M. 35, 3" Concrete filled Iron Pipe on the East side of TR 40A, 1100'S. of Sta. 1256+72

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 72	74-68 HB	Piatt	34	11

SHEET NO. 1 / 14 SHEETS



DESIGNED / CHECKED / DRAWN / CHECKED TCC

September 9 1972

EXAMINED / PASSED / APPROVED

STATION 1256+11.76
BUILT 197_ BY
STATE OF ILLINOIS
F.A.I. RT. 72 SEC. 74-68 HB
F.A. PROJ. I-72-2(50)
LOADING HS 15

NAME PLATE
See Standard 2113

GENERAL NOTES

All reinforcement bars shall be lapped 24 diameters unless otherwise shown.

Slope wall shall be reinforced with welded wire fabric 6"×6" mesh, weighing 58# per 100 sq. ft.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

The Contractor shall drive 3 test piles in permanent locations as directed by the Engineer before ordering the remainder of piles (for location see sheets 9 & 10)

Concrete Piles at approach bent shall be driven in holes precored through the embankment in accordance with Art. 513.09 (c) of the Standard Specifications

Concrete in beam splice shall be cured to 3000 psi (Min.) before post tension operation starts.

Concrete rail section above the mandatory joint at the top of slab and Class I Surfacing shall not be constructed before post tension operation has been completed & temporary supports have been removed.

See sheet #8 for construction sequence of Superstructure.

BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bit. Concrete Surf. Cse. Class I	Tons	59		59
Structure Excavation	Cu. Yds.		50	50
Protective Coat	Sq. Yds.	190		190
Class X Concrete	Cu. Yds.	242.5	167.9	410.4
Post-tensioned Precast Concr. I Bms 48"	Lin. Ft.	1,075		1,075
Neoprene Expansion Dam	Lin. Ft.	58		58
Aluminum Railing	Lin. Ft.	512		512
Reinforcement Bars	Lbs.	47,410	17,680	65,090
Concrete Piles	Lin. Ft.		1,409	1,409
Test Piles (Concrete)	Ea.		3	3
Waterproofing Membrane Sys.	Sq. Yds.	730		730
Slope Walls (4")	Sq. Yds.			330
Name Plates	Ea.		1	1
Sand Backfill	Cu. Yds.		120	120
Porous Granular Embankmt.	Cu. Yds.			2240
Earth Excavation	Cu. Yds.			2,240

PRECAST UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
f's = 270,000 psi
fsi = 189,000 psi
Beams to be post tensioned after erection
fs = 202,500 psi (jack point)
Anchor set = ⅝" (Max)

DESIGN STRESSES

fc = 1200 psi (Deck slab - main span)
fc = 1400 psi (Curb, Parapet, Sub & Appr. slab)
fs = 20,000 psi (Reinf.)
fs = 20,000 psi (Struct.)
Vc = 7.5 psi (Ftgs.)
n = 10

Loading HS 15-44
Allow 25#/□' Future W.S.

GENERAL PLAN & ELEVATION
PROJECT I-72-2(50)58
TR 40A OVER F.A.I. RTE. 72
F.A.I. RTE. 72 SEC. 74-68 HB
PIATT COUNTY
STA. 1256+11.76 (F.A.I. RTE. 72)
STA. 50+00.00 (TR 40A)

FILE NAME = c:\pw_work\pwidot\piersonbr\d0109687\70022-Bridge Repair Plan.dgn	USER NAME = piersonbr	DESIGNED - GMS	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	DRAWN - GMS	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 2/8/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SCALE: | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
72	(58,74-66)&(74-67&68)RS-1	PIATT	251	161

CONTRACT NO. 70022
ILLINOIS FED. AID PROJECT