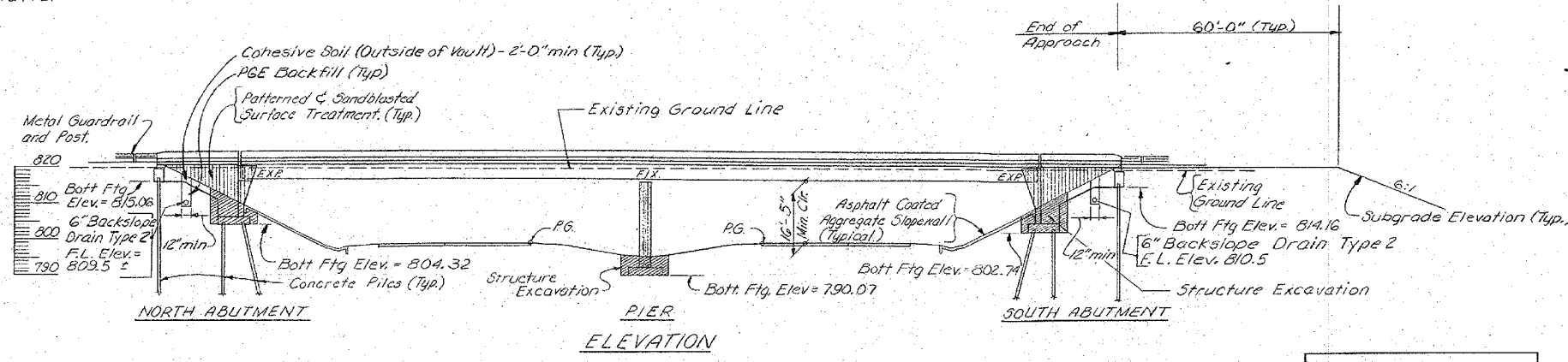


Bench Mark: No 174 A Elev. 755.853, Spike in Power Pole
34' Lt. Sta. 124+21
No Existing Structure.

Sheet 1
of 14

ROUTE NO	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FA 405	72-7HB	PEORIA	123	33
FED. ROAD DIST. NO. 4		ILLINOIS	FED. AID PROJ.	

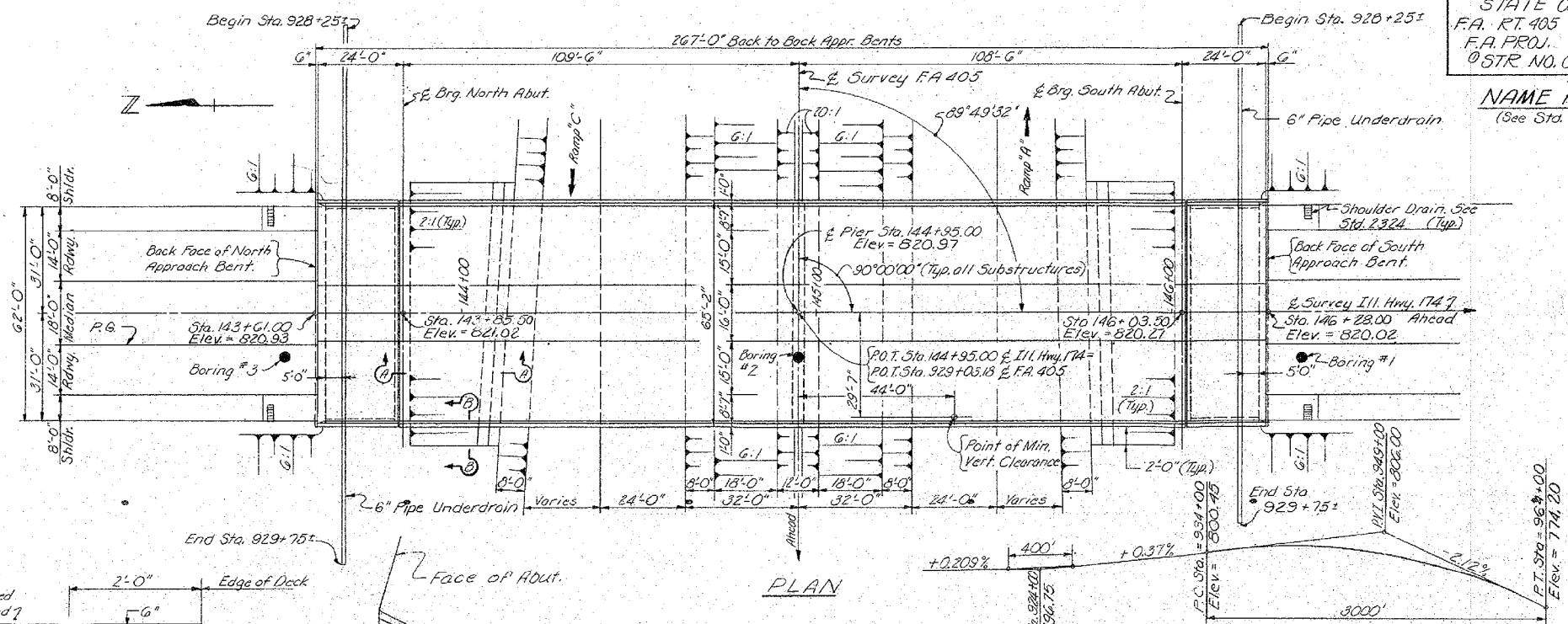


GENERAL NOTES:

- Fasteners shall be high strength bolts. Bolts 7/8", open holes 1/16" unless otherwise noted.
- Calculated weight of Structural Steel = 470,000 lbs.
- The basic lead silico chromate paint system shall be used for shop and field painting of Structural Steel.
- Field welding of construction accessories will not be permitted to the bottom flange of beams or girders nor to the top flange for a distance equal to one-fourth the span length each way from the pier supports. Field welding in other areas will be permitted only when approved by the Engineer.
- The contractor shall drive two concrete test piles in a permanent location at North and South Abutments as directed by the Engineer before ordering the remainder of piles.
- 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.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustments shall be made either by grinding the surface or by shimming the bearing. Two 1/2" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone Z. These components are the tension flanges, webs and all all splice plate material of the steel girders or wide flange beams.
- Reinforcement bars shall conform to AASHTO M31 Grade 60 or M53 Grade 60.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

STATION 929+03.18
BUILT 197 BY
STATE OF ILLINOIS
F.A. RT. 405 SEC 72-7HB
F.A. PROJ. FFD-405-1118
STR NO. 072-0146

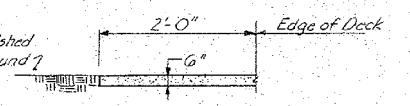
NAME PLATE
(See Sta. 2113)



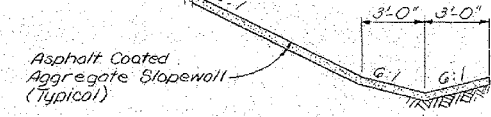
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER STRUCT	SUB STRUCT	TOTAL
Structure Excavation	Cu. Yds.		715	715
Protective Coat	Sq. Yds.	1712		1712
Class "X" Concrete	Cu. Yds.	626.6	396.2	1022.8
Structural Steel	Lump Sum	1		1
Reinforcement Bars	Lbs.	62,370	48,170	110,540
Reinforcement Bars - Epoxy Coated	Lbs.		80,650	80,650
Concrete Piles	Lin. Ft.		2690	2690
Test Piles Concrete	Each		2	2
Preformed Joint Sealer (4")	Lin. Ft.	134		134
Name Plates	Each		1	1
Slope Wall	Sq. Yds.		472	472
Stud Shear Connectors	Each	4023		4023
Sand Backfill	Cu. Yds.		390	390
4" Backslope Drain Type 2	Lin. Ft.		300	300
Porous Granular Backfill (Incidental)	Cu. Yds.		65	65

SECTION B-B



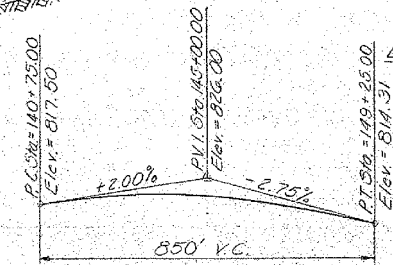
SECTION A-A



PROFILE FA ROUTE 405



PROFILE ILL 174



DESIGN LOADING:
H. 5.20-44

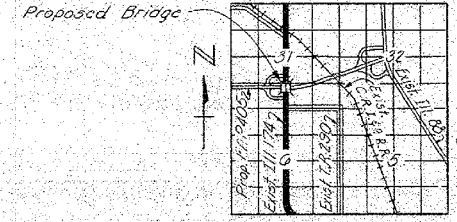
DESIGN STRESSES:

- $f_c = 3500$ p.s.i.
- $f_y = 60,000$ psi Reinf.
- $v_{cu} = 118$ p.s.i.
- $f_s = 20,000$ p.s.i. Structural
- $n = 9$

DESIGN SPECIFICATIONS:
A.A.S.H.T.O. 1977

Allow 25 1/4" for future wearing surface.

RANGE 8E 4TH PM



LOCATION MAP

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
PROJECT FFD-405-1(17)
ILL. HWY. 174 OVER FA ROUTE 405
FA 405 SECTION 72-7HB
PEORIA COUNTY
STA. 929+03.18

Designed R.B.G.
Checked L.R.W.
Drawn Rohrer
Checked

APPROVED
FOR STRUCTURAL DESIGN ONLY



Robert B. Quisenberry

MAURER-STUTZ
ENGINEERS SURVEYORS

FOR INFORMATION ONLY

ALLEN ROAD IMPROVEMENTS
EXISTING BRIDGE PLANS

FILE NAME =	USER NAME = wlewis	DESIGNED -	REVISED -
S:\237\2013\23713009.00\11enRdPill\11CADD	CADD Sheets\0468683-sht-Exist Plans\01-SN0722	DRAWN -	REVISED -
Default	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/24/2014 3:18:28 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6584	105; (72-7HB)BY	PEORIA	487	341
6585				CONTRACT NO. 68683

Rev. 9-18-79