

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 PLANS FOR PROPOSED
 HIGHWAY BRIDGE PROGRAM

CRAWFORD COUNTY
 SECTION 05-02115-00-BR
 HUTSONVILLE ROAD DISTRICT
 STRUCTURE NO. 017-3281
 PROJECT NO. BROS-033(46)
 JOB NO. C-97-027-07

TR 71

INDEX OF SHEETS

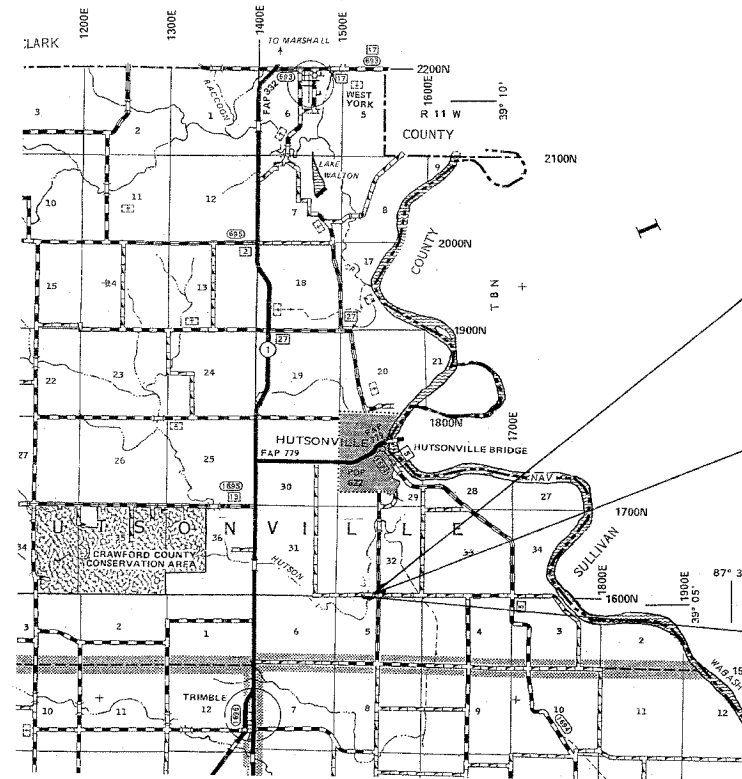
1	COVER SHEET
2	PLAN & PROFILE
3-10	BRIDGE PLANS

STANDARDS:
 (SEE PROPOSAL) 702001-06 - TRAFFIC
 BLR 21-6 - TRAFFIC
 BLR 22-4 - TRAFFIC

SUMMARY OF QUANTITIES

QUANTITY	UNIT	ITEM	CODE NO.
1	EACH	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	X5020501
1	EACH	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	X5020502
10	EACH	SETTING PILES IN ROCK	Z0065000
276	CU YD	CHANNEL EXCAVATION	20300100
138	TON	STONE DUMPED RIPRAP, CLASS A4	28100807
1	EACH	REMOVAL OF EXISTING STRUCTURES	50100100
36.2	CU YD	CONCRETE STRUCTURES	50300225
2520	SQ FT	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	50400305
4260	POUND	REINFORCEMENT BARS	50800105
180	FOOT	STEEL RAILING, TYPE S-1	50900205
317	FOOT	FURNISHING STEEL PILES HP 10X42	51201400
132	FOOT	DRIVING PILES	51202305
2	EACH	TEST PILE STEEL HP 10X42	51203400
22.6	CU YD	CONCRETE ENCASMENT	50300280
1	EACH	NAME PLATES	51500100
1	L SUM	MOBILIZATION	67100100
1	L SUM	TRAFFIC CONTROL AND PROTECTION	70101700

SCALES
 PLAN 1 INCH = 50 FEET
 PROFILE HORZ. 1 INCH = 50 FEET
 PROFILE VERT. 1 INCH = 10 FEET



SECTION 05-02115-00-BR
 ENDS STA. 4+33.75

STA. 3+88 STANDARD BRIDGE DESIGN
 PROPOSED PRECAST PRESTRESSED CONC.
 DECK BEAM BRIDGE, 3 SPANS @ 30' EACH
 28' RDWY, SKEW= 0°
 PROPOSED STR. NO. 017- 3281
 EXISTING STR. NO. 017-3213

SECTION 05-02115-00-BR
 BEGINS STA. 3+42.25

FUNCTIONAL CLASS: RURAL LOCAL ROAD
 ADT = 25
 DESIGN SPEED = 30 MPH

CONTRACT NO. 95495

TOLL FREE JOINT UTILITY LOCATING
 INFORMATION FOR EXCAVATORS (J.U.L.I.E.)
 TELEPHONE NO. 1-800-892-0123

PROFESSIONAL DESIGN FIRM #184-000832

LOCATION MAP

APPROXIMATE SCALE: 1 INCH = 1 MILE
 NET LENGTH = 91.50 FT. = 0.017 MILES

Michael Ross
 ILLINOIS REGISTERED PROFESSIONAL ENGINEER # 31350
 LICENSE EXPIRES NOVEMBER 30, 2007

APPROVED *January 19* . 2007

Robert R. Child
 COUNTY ENGINEER

PASSED *3/29* . 2007

Marshall East
 DISTRICT SEVEN ENGINEER
 OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW

3/29 . 2007

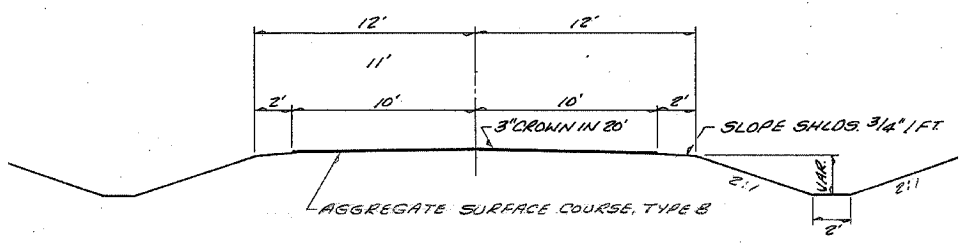
Christ M. Reed
 DEPUTY DIRECTOR OF HIGHWAYS
 REGION FOUR ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MORRIS WAYNE SHORT,
MARILYN MAY HILL &
HAROLD R. SHORT
PARCEL NO. 1

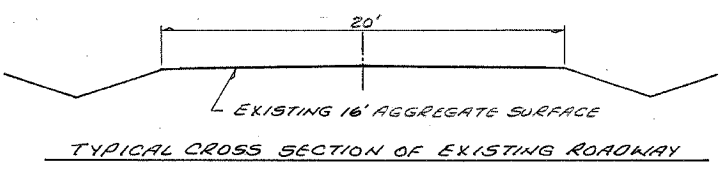
TROY REVALEE
PARCEL NO. 2

CONTRACT NO. 95495

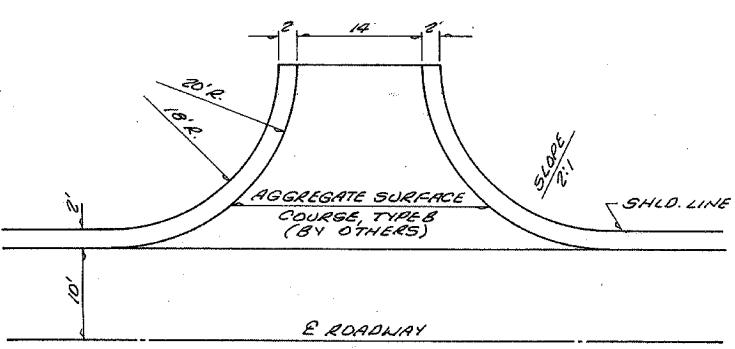
F.A.R. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-02115-00-BR	CRAWFORD 10	IL	2	2
STA. 0+00	TO STA. 7+23.30			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



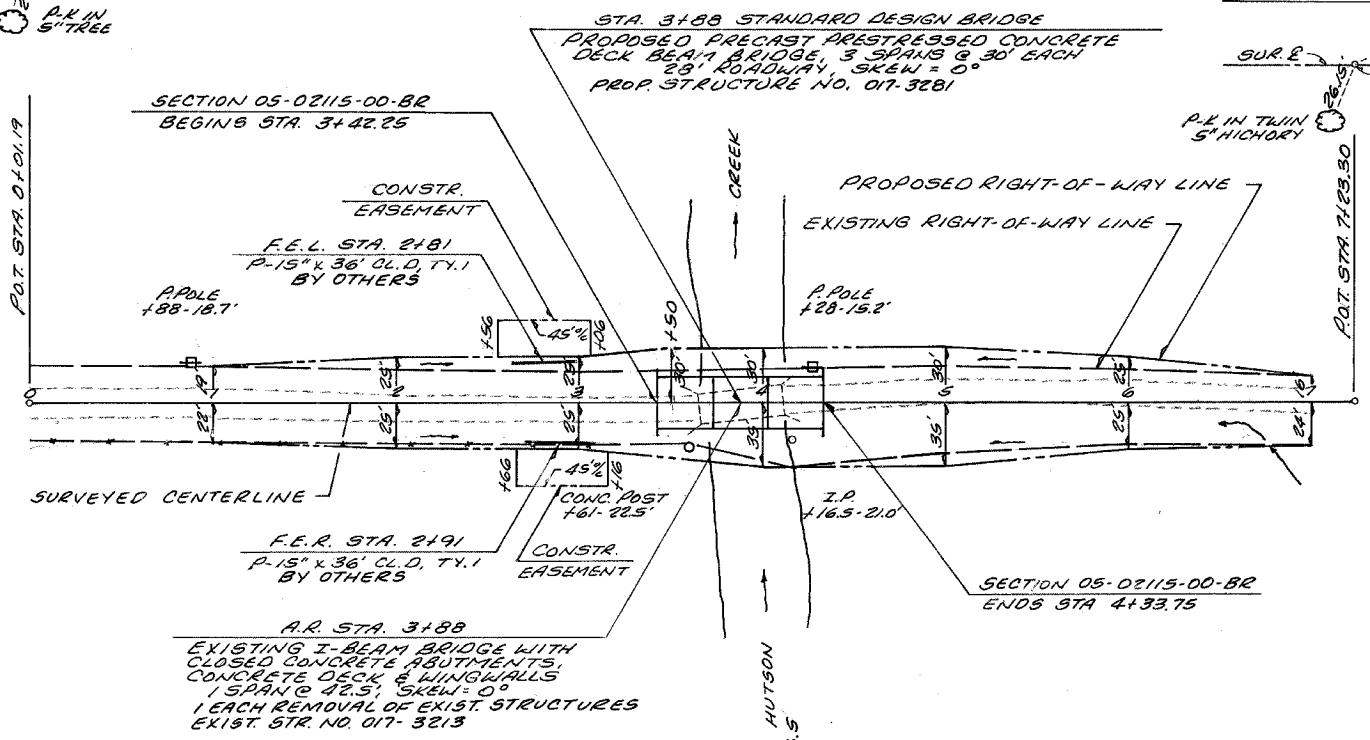
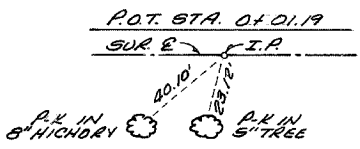
TYPICAL CROSS SECTION OF PROPOSED IMPROVEMENT BY OTHERS



TYPICAL CROSS SECTION OF EXISTING ROADWAY



DETAIL OF FIELD ENTRANCES BY OTHERS



MARVIN R. MEHLER & MARTHA J. MEHLER
PARCEL NO. 3

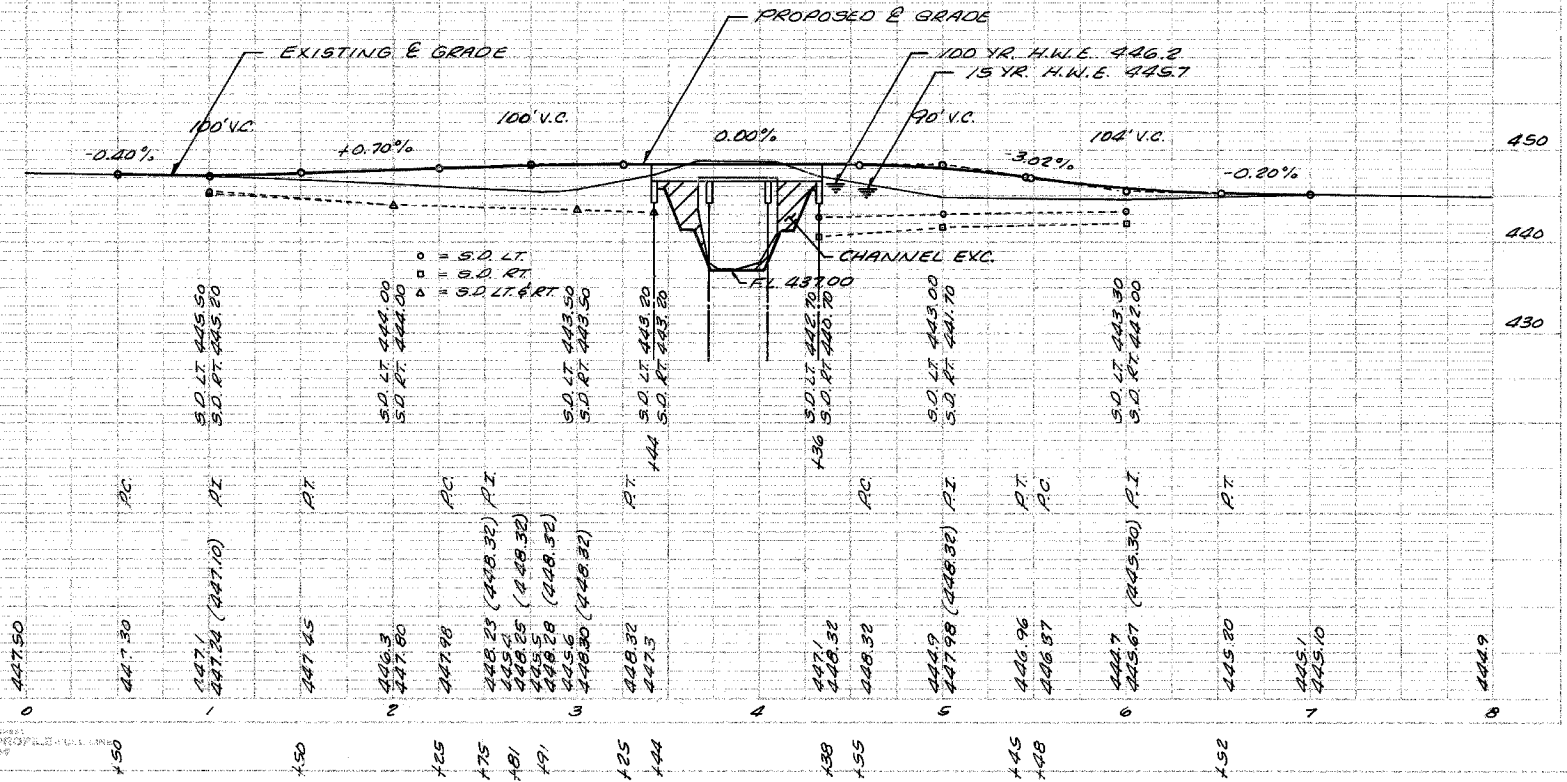
BYRL MEHLER
PARCEL NO. 4

B.M. #1 ELEV. 446.29
P.I. IN 3" HICKORY
1.95' LT. STA. 3+15

TREE REMOVAL ACRES (BY OTHERS)
RT STA. 400-413 = 0.2 ACRES

TREE REMOVAL (OVER 15 UNITS DIA) (BY OTHERS) = 135 UNITS DIA
CHANNEL EXCAVATION = 276 CU. YD.

UTILITIES
ELECTRIC: MORRIS ELECTRIC COOP.
8543 N STATE HWY 130
NEWTON, IL 62448
618-783-8765



ROUTE NO.	SECTION	COUNTY	SHEET	TOTAL
*	CRAWFORD	10	3	
* 05-02115-00-BR				

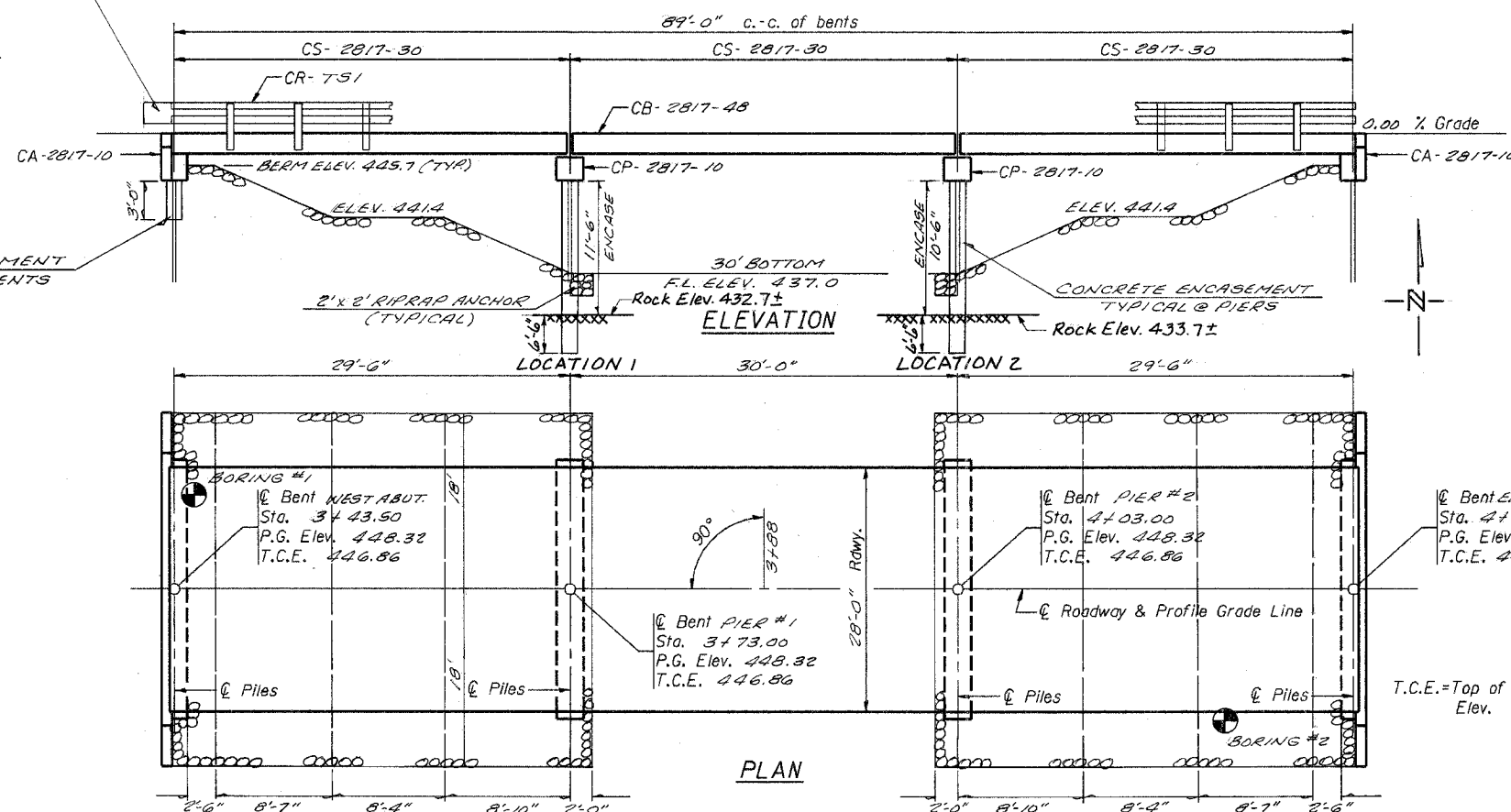
B.M. - SEE PLAN-PROFILE

Existing Structure- SEE PLAN-PROF.

Salvage- SEE SPEC. PROVISIONS

PROVIDE CURLED END SECTION @ EACH CORNER OF BRIDGE = 4 EACH COST INCLUDED IN STEEL RAILING, TYPE S-1.

CONCRETE ENCASUREMENT TYPICAL @ ABUTMENTS



GENERAL NOTES

- The Contractor shall drive 2 test piles, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- See Special Provisions for boring logs.
- A Corrosion inhibitor, as covered in the Special Provisions, shall be used in the concrete for precast prestressed concrete deck beams.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Removal of Existing Structures	Each				1
Bituminous Concrete Surface Course, Superpave	Ton				
Waterproofing Membrane System	Sq. Yd.				
Concrete Structures	Cu. Yd.		17.2	19.0	36.2
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	2520			2520
Steel Bridge Rail, Type SM	Foot				
Steel Railing, Type S-1	Foot	180			180
Reinforcement Bars	Pound		1760	2500	4260
Furnishing Steel Piles HPI0X42	Foot		185	132	317
Driving PILES	Foot			132	132
Test Piles Steel HPI0X42	Each			2	2
Name Plates	Each			1	1
Concrete Encasement	Cu. Yd.		20.0	2.6	22.6
Portland Cement Mortar Fairing Course	Foot				
STONE DUMPED RIPRAP CL. AA	TON				138
SETTING PILES IN ROCK	EACH		10		10
UNDERWATER STRUC. EXCAV. PROT.-Loc. 1	EACH		1		1
UNDERWATER STRUC. EXCAV. PROT.-Loc. 2	EACH		1		1

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications - 17th ed.

LOADING HS20-44

Allow 25#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.079
Site Coefficient (S) = 1.0

PILE DATA (2-PIERS)

Type HP 10 x 42
Capacity Tons Set In Rock
Estimated Length 19 Feet Pier 1, 18 Feet Pier 2
Number Required 10 (Includes 1 Test Pile located in Bent #1)

PILE DATA (2-ABUTS.)

Type HP 10 x 42
Capacity Refusal Tons
Estimated Length 18 Feet West Abut, 15 Feet East Abut.
Number Required 10 (Includes 1 Test Pile located in Bent #1 Each Abutment)

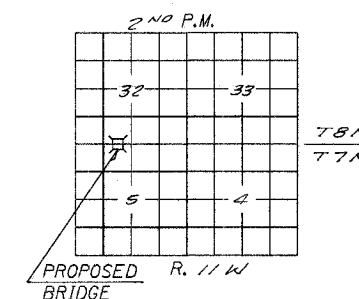
NOMINAL REQUIRED BEARING 335 KIPS
ALLOWABLE RESISTANCE AVAILABLE 112 KIPS

STONE DUMPED RIPRAP CL. AA
12" MINIMUM THICKNESS= 138 TON

STATION 3+88
HUTSON CREEK
SEC. 05-02115-00-BR BUILT 20
PROJECT 0505-033(46)
CRAWFORD COUNTY
LOADING HS20
STR. NO. 017-3281

LETTERING FOR NAME PLATE

Locate Name Plate at SOUTHWEST Corner of Bridge (See Std. CN)



LOCATION SKETCH

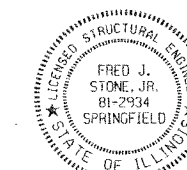
"I certify these Standard Bridge Plans for foundation treatment only".

Fred J. Stone, Jr. (4.12.06)

ILLINOIS STRUCTURAL NO. 2934

INDEX OF SHEETS

- General Plan & Elevation
- Standard CS - 2817 - 30
- Standard CB - 2817 - 48
- Standard CA - 2817 - 10
- Standard CP - 2817 - 10
- Standard CR - 751
- Standard CN
- Standard CX - 1
- Standard



Expires 11-30-06

Construction Permits:
The requirements of the IDNR- Division of Water Resources have been fulfilled in accordance with Statewide Permit No. 2.

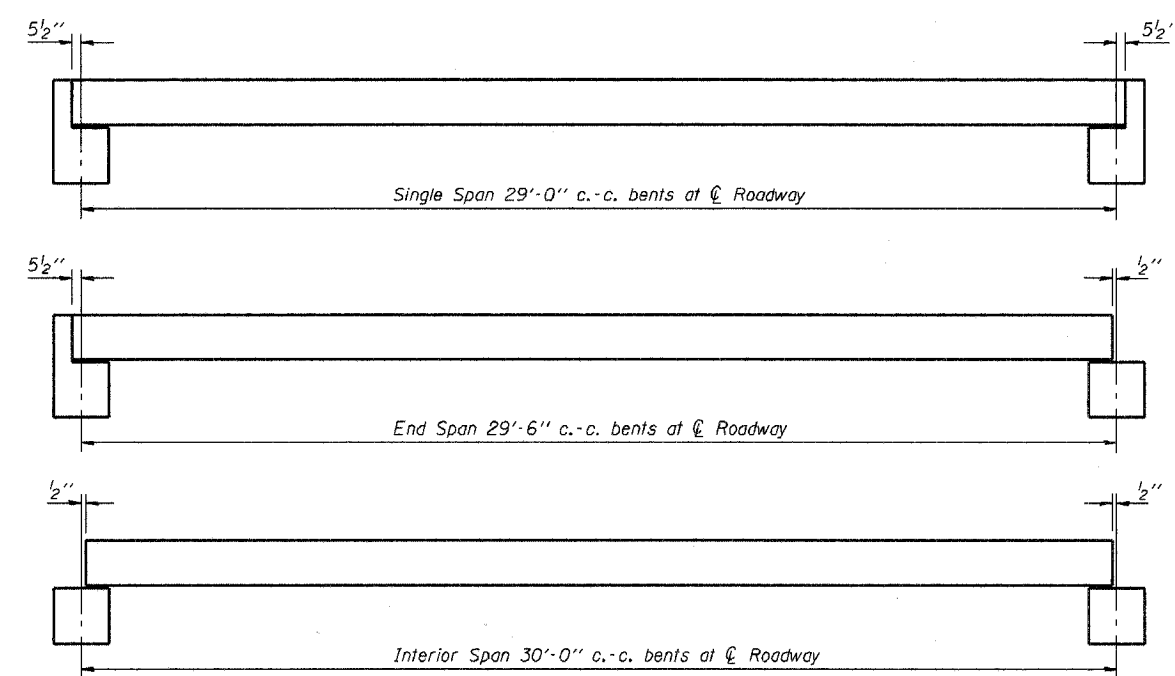
WATERWAY INFORMATION

Drainage Area = 19.24 S.M. Low Grade Elev. = 444.9 @ Sta. 8+00									
Flood	Freq.	Q	Opening Sq. Ft.		Nat.	Head - Ft.		Headwater El.	
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
Design	15	2268	220 360	220 480	445.7	0.5	0.5	446.2	446.2
Base	100	3560	220 360	220 360	446.2	0.8	0.9	447.0	447.1
Overtopping									
Max. Calc.	500								

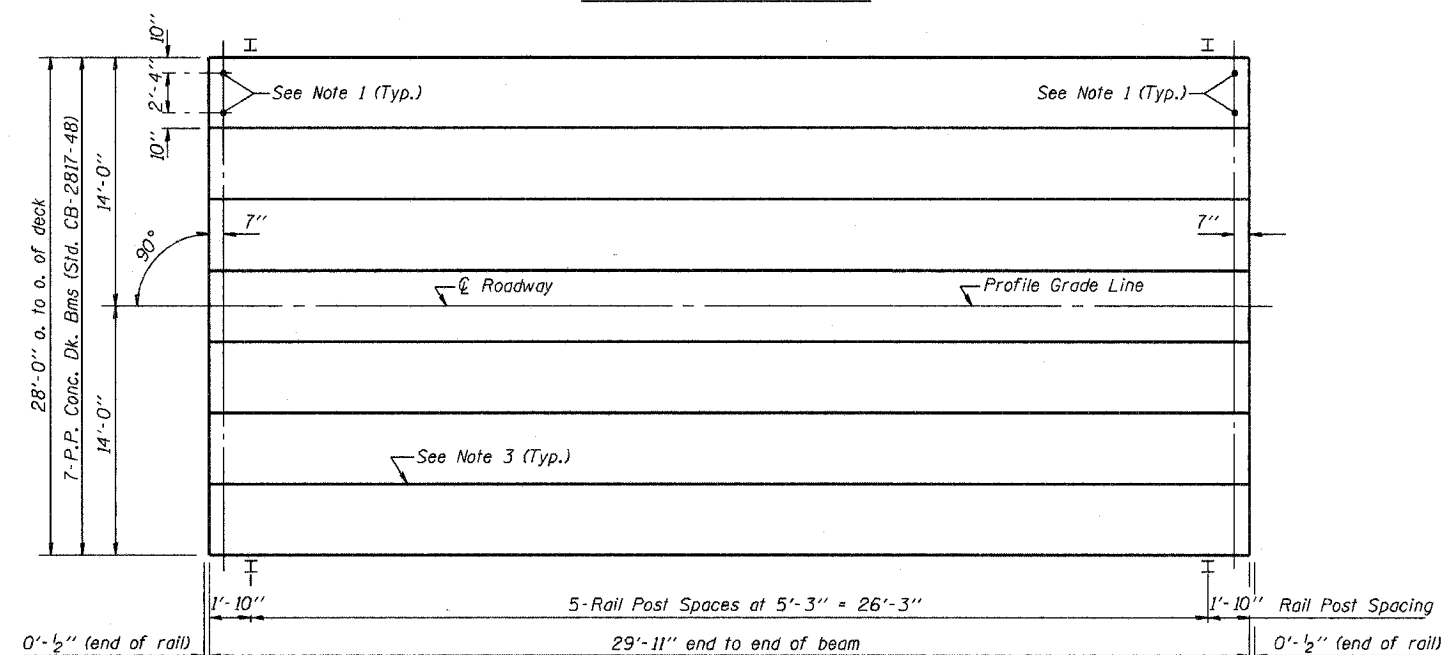
GENERAL PLAN & ELEVATION

TR ROUTE 71
OVER HUTSON CREEK
SECTION 05-02115-00-BR
CRAWFORD COUNTY
STATION 3+88

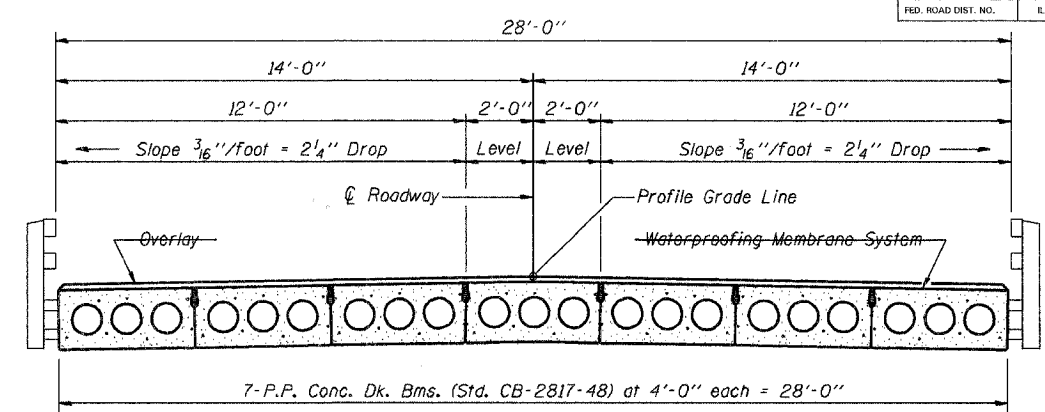
P.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-02/15-00-00	CRAWFORD	10	4	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



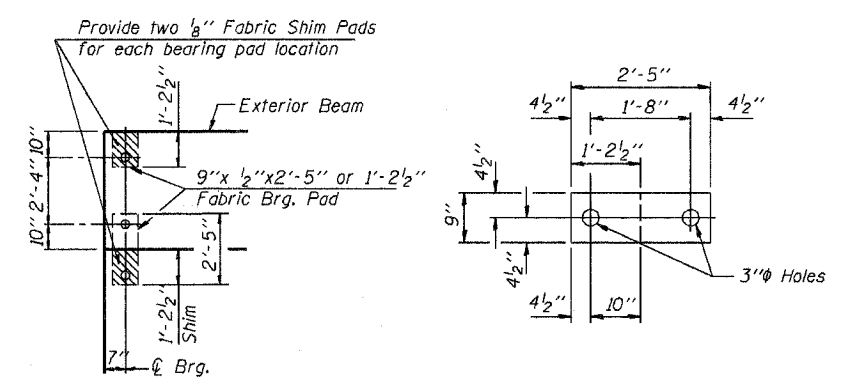
TYPICAL ELEVATIONS



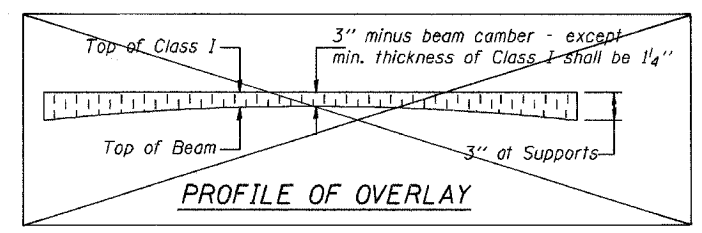
PLAN



CROSS SECTION



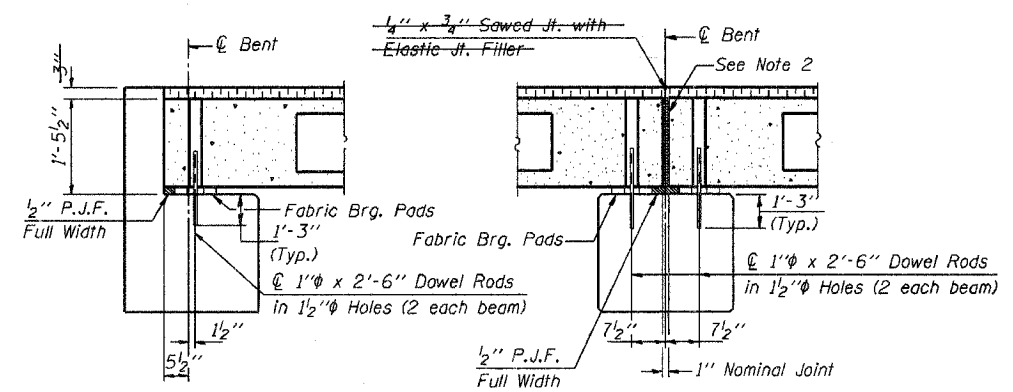
1/2" FABRIC BRG. PAD DETAILS



PROFILE OF OVERLAY

NOTES

1. After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure min. 24 hrs. prior to grouting the shear keys.
2. Nominal 1" joint at centerline pier shall be filled with non-shrink grout.
3. Longitudinal keys shall be grouted, WITH NON-SHRINK GROUT.



SECTION AT ABUTS.
(Along centerline Beams)

SECTION AT PIERS
(Along centerline Beams)

QUANTITIES FOR ONE SPAN

P.P. Conc. Dk. Bm. 17" Dp.	840 Sq. Ft.
Steel Railing	60 Ft.
Waterproofing Membrane System	93.3 Sq. Yds.
Portland Cement Mortar	180 Ft.
Fairing Course	

Note: Quantity of overlay for one span = 14.4 Tons

P.P.C. DECK BEAM SUPERSTRUCTURE			
28' RDWY.	17" BMS.	30' SPAN	0° SKEW
STANDARD CS-2817-30			

Illinois Department of Transportation

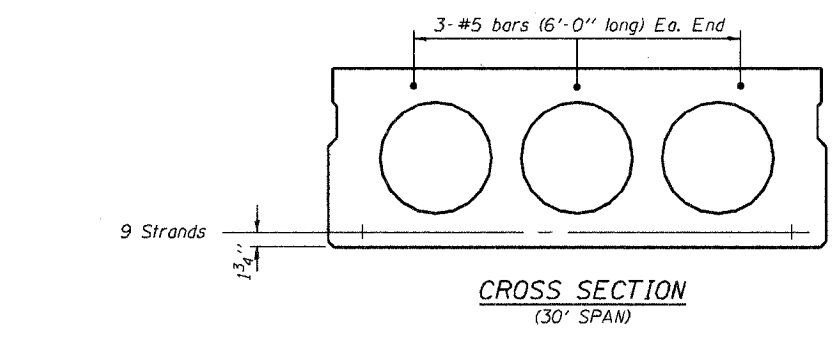
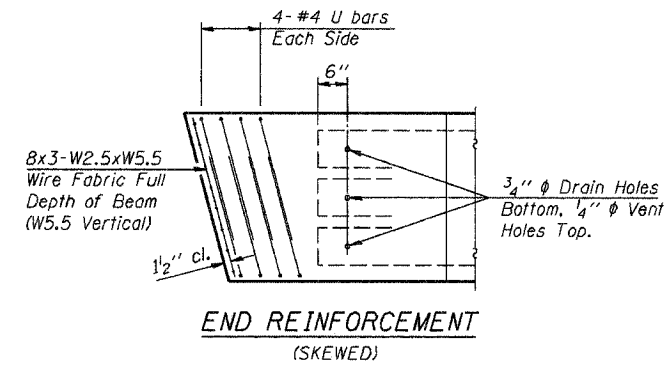
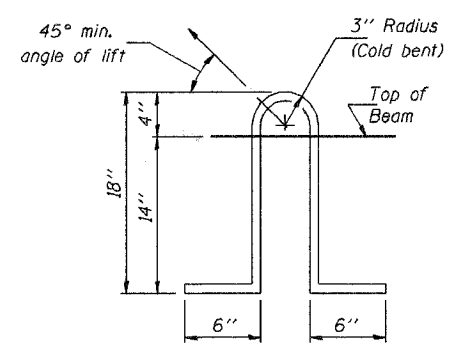
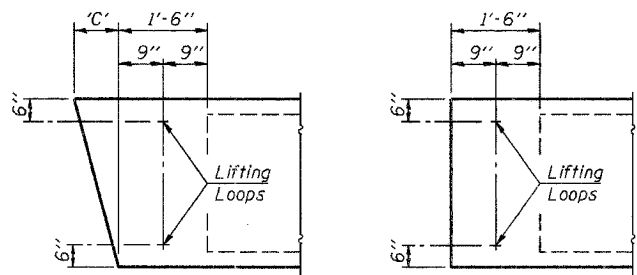
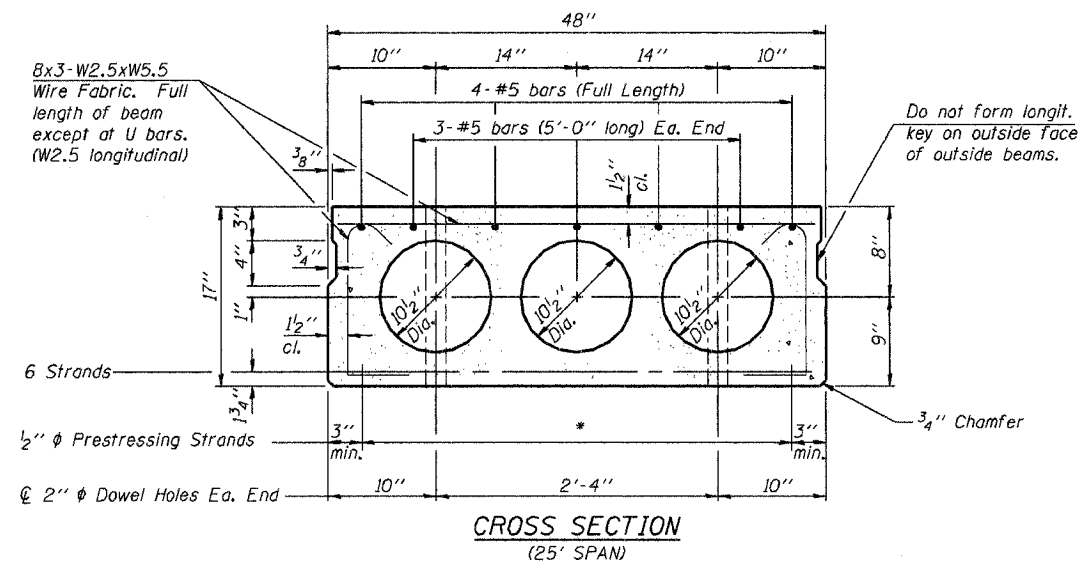
PASSED APRIL 4, 2005

Theresa S. Romagosa
Engineer of Bridge Design

APPROVED APRIL 4, 2005

Ralph E. Anderson
Engineer of Bridges and Structures

F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-02/15-00-88	CRANFORD	10	5	
STA.	TO STA.			
RED. ROAD DIST. NO.	ILLINOIS	PROJECT		



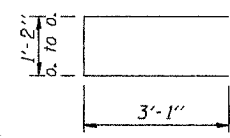
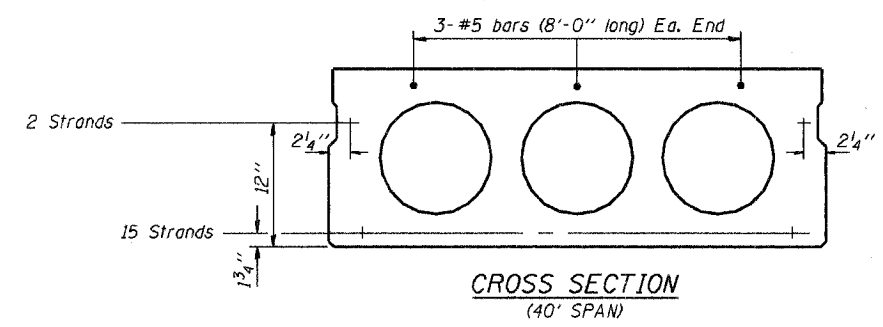
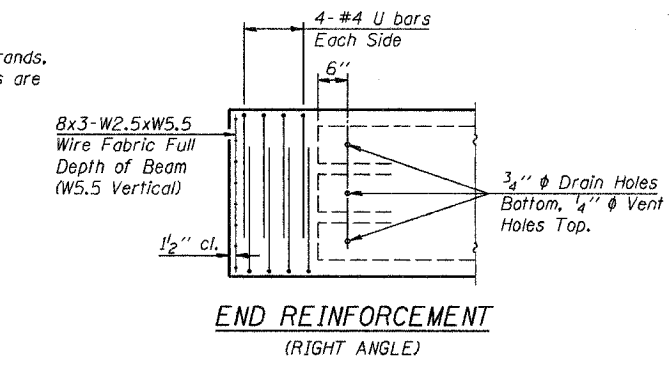
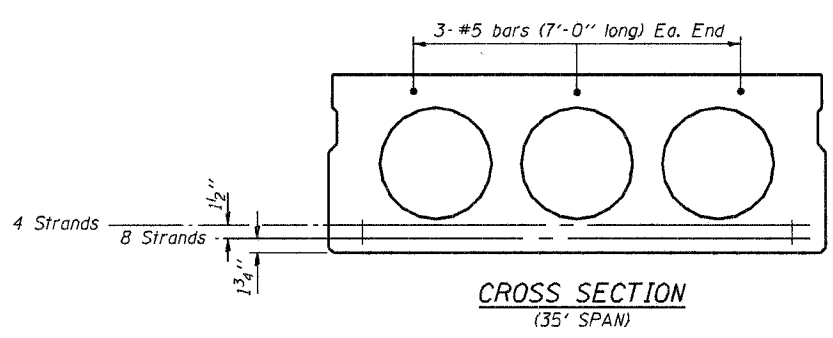
DIMENSION 'C'

Skew Angle 'D'	0°	5°	10°	15°	20°	25°	30°
Dimension 'C' (Inches)	0	4 1/4	8 1/2	12 7/8	17 1/2	22 3/8	27 3/4

*** TRANSVERSE STRAND PLACEMENT GUIDELINES**

1. Place strands symmetrically about centerline of beam.
2. The minimum distance from center to center of strands in all directions shall be 2".
3. The minimum clearance from strand to dowel hole shall be 1/2".
4. The minimum clearance from strand to void shall be 1 1/2".

Vertical placement of strands shall not be adjusted to satisfy the above guidelines.



MIN. BAR LAP
#5 bars = 1'-8"

DESIGN STRESSES

- $f'_c = 5,000$ p.s.i.
- $f'_d = 4,000$ p.s.i.
- $f'_s = 270,000$ p.s.i. (1/2" ϕ Strand)
- $f_{si} = 201,960$ p.s.i. (1/2" ϕ Strand)
- $f_y = 60,000$ p.s.i.

NOTES

1. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270.
2. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 square inches.
3. Reinforcement bars shall conform to the requirements of AASHTO M-31 or M-322, Grade 60.
4. Rail Post anchor devices shall be cast into outside beam as elsewhere specified.
5. When a Waterproofing Membrane System is specified, the top surface of the beams shall be screeded with a straightedge and finished with a hand float. The finished surface shall be free of depressions or high spots with sharp corners and the top edge of keys shall be rounded or chamfered a minimum of 1/4".
6. Keyway surfaces shall be cleaned to remove form oil or other bond breaking material prior to shipment of the beams. Cleaning shall be done by sandblasting the keyway areas between the top of the beam and the bottom edge of the key.

NOTE
The std. reinf. and dimensions shown on the 25' span cross section is typical for all spans, except as shown.

Illinois Department of Transportation

PASSED APRIL 4, 2005
 Thomas S. [Signature]
 Engineer of Bridge Design

APPROVED APRIL 4, 2005
 Ralph E. [Signature]
 Engineer of Bridges and Structures

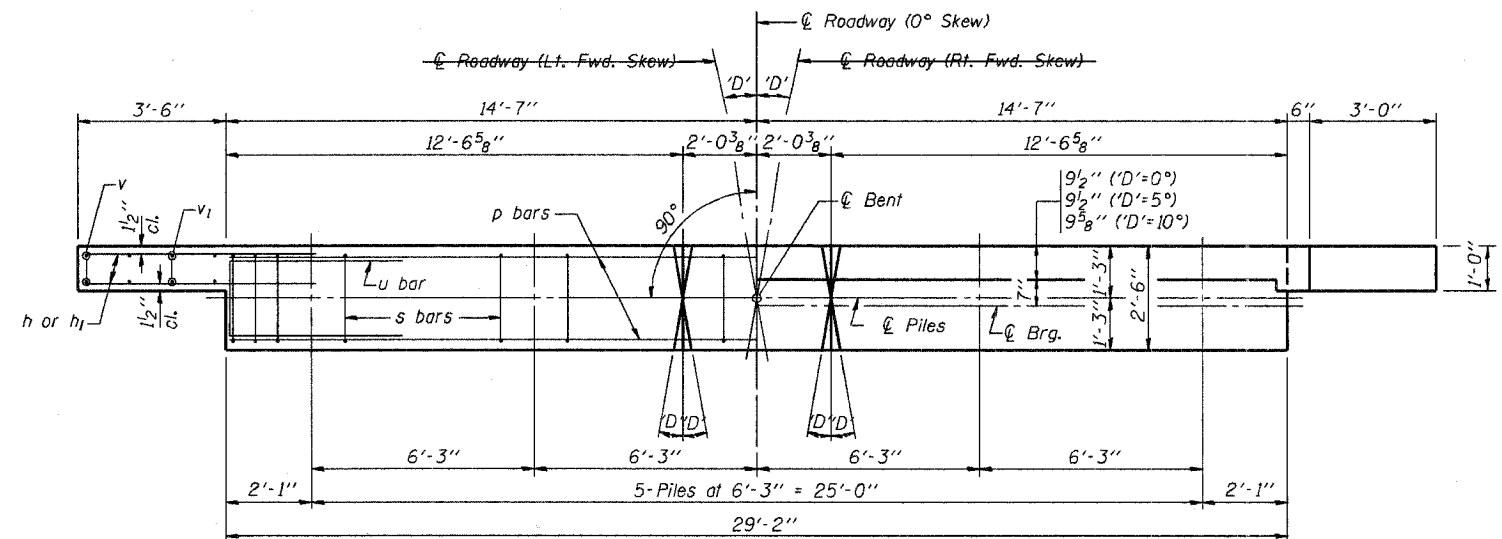
100-1-1 03/05/01

P.P.C. DECK BEAM DETAILS

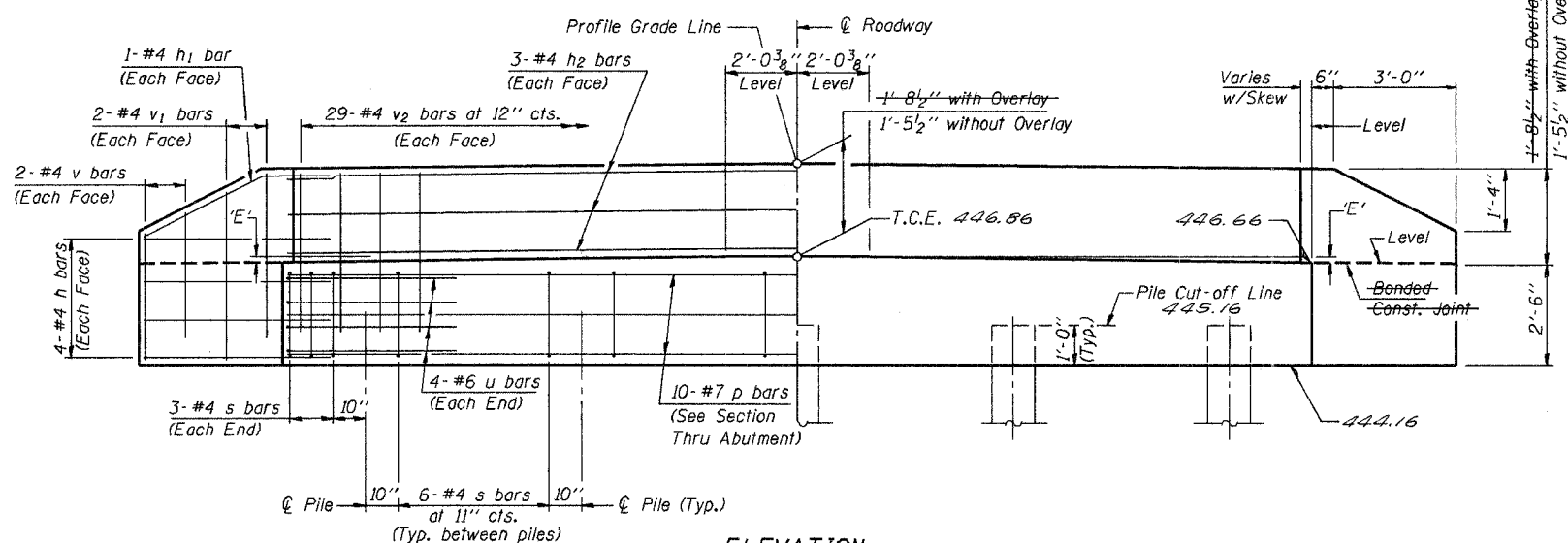
28' ROADWAY | 17" x 48" BEAMS

STANDARD CB-2817-48

F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-0215-00-8P	CRAWFORD	10	6	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



PLAN
(D=Designated Skew Angle)



ELEVATION

DIMENSION 'E'

GRADE	'D'=0°		'D'=5°		'D'=10°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"
Over 0% to 1%	2 3/8"	2 3/8"	2 1/4"	2 3/8"	2 1/8"	2 1/2"
Over 1% to 2%	2 3/8"	2 3/8"	2 1/2"	2 1/2"	1 7/8"	2 3/4"
Over 2% to 3%	2 3/8"	2 3/8"	2"	2 5/8"	1 5/8"	3"
Over 3% to 4%	2 3/8"	2 3/8"	1 7/8"	2 3/4"	1 3/8"	3 1/4"

NOTES

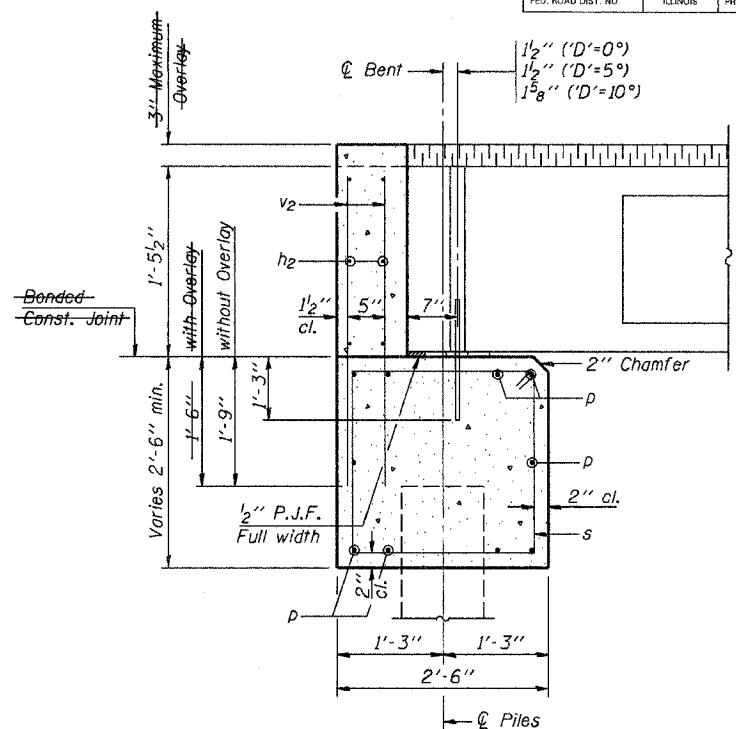
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-322, Grade 60.
- Space reinforcement in cap to miss anchor bolts.

MAXIMUM PILE LOADS

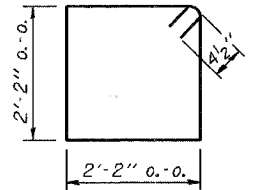
SPAN	TONS
25'	25
30'	25
35'	25
40'	27

DESIGN STRESSES

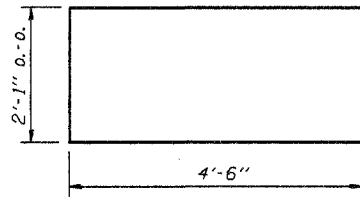
f'c = 3,500 psi
fy = 60,000 psi



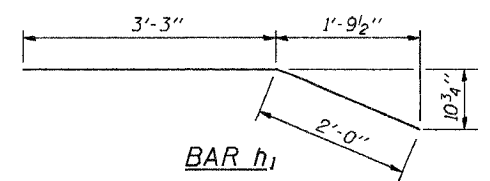
SECTION THRU ABUTMENT
(At Right Angles)



BAR s



BAR u



BAR h1

BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	16	#4	5'-0"	—
h1	4	#4	5'-3"	—
h2	6	#4	28'-10"	—
p	10	#7	28'-10"	—
s	30	#4	9'-5"	□
u	8	#6	11'-1"	□
v	8	#4	2'-6"	—
v1	8	#4	3'-5"	—
v2	58	#4	3'-1"	—
Concrete Structures			9.5 Cu. Yds.	
Reinforcement Bars			1250 Lb.	

P.P.C. DECK BEAMS
PILE BENT ABUTMENT

28' RDWY.	17" BMS.	'D'=0°, 5° OR 10°
STANDARD CA-2817-10		

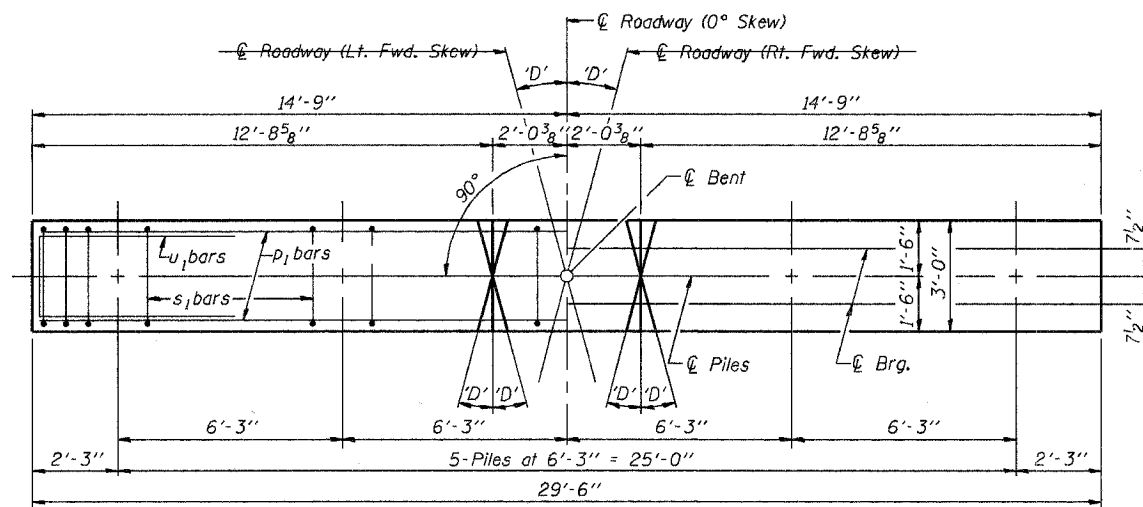
Illinois Department of Transportation

PASSED APRIL 4, 2005
Thomas S. Demagala
Engineer of Bridge Design

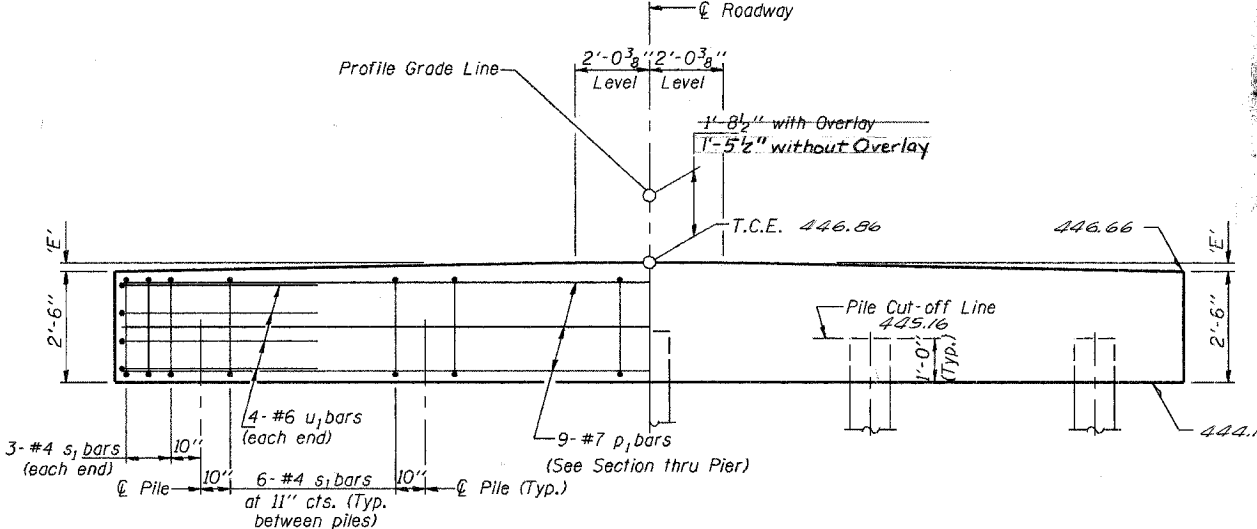
APPROVED APRIL 4, 2005
Ralph E. Anderson
Engineer of Bridges and Structures

1881-1 03/05/01

F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-0215-00-BR	CRAWFORD	10	7	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



PLAN
(D = Designated Skew Angle)



ELEVATION

DIMENSION 'E'

GRADE	'D'=0°		'D'=5°		'D'=10°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"	2 3/8"
Over 0% to 1%	2 3/8"	2 3/8"	2 1/2"	2 3/8"	2 1/8"	2 1/2"
Over 1% to 2%	2 3/8"	2 3/8"	2 1/8"	2 1/2"	1 7/8"	2 3/4"
Over 2% to 3%	2 3/8"	2 3/8"	2"	2 5/8"	1 5/8"	3"
Over 3% to 4%	2 3/8"	2 3/8"	1 7/8"	2 3/4"	1 3/8"	3 1/4"

MAXIMUM PILE LOADS

SPAN	TONS
25'	30
30'	33
35'	36
40'	40

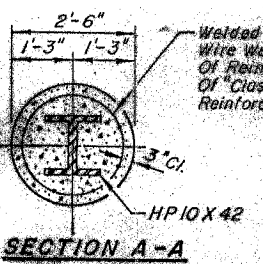
Longer of Either Span Supported by Pier.

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi

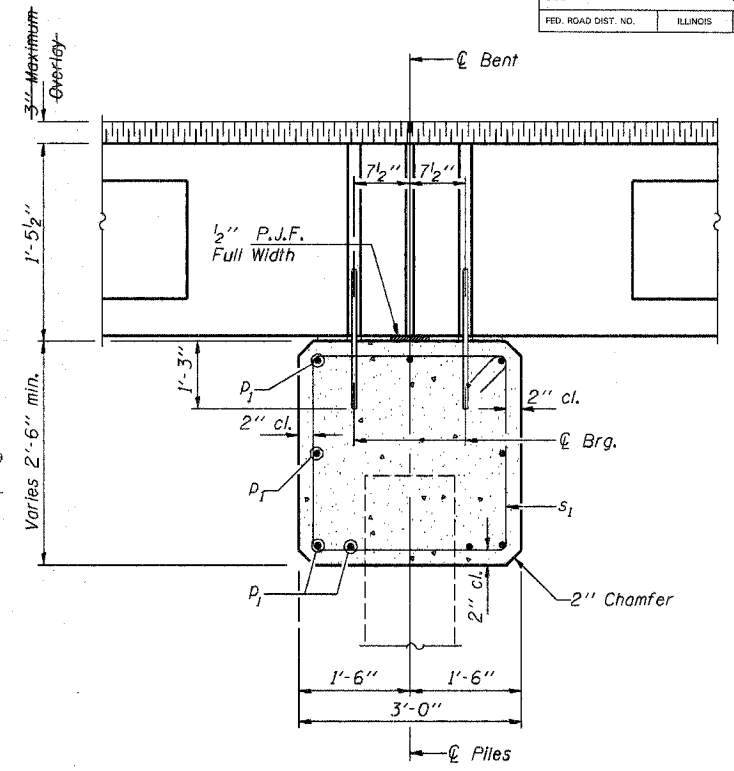
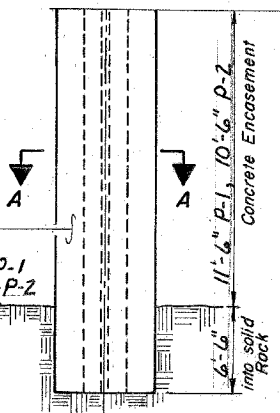
NOTE

Reinforcement bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-322, Grade 60.



SECTION A-A

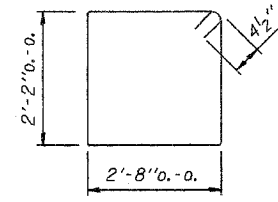
NOTE "A": PRECORE THROUGH THE EXISTING EARTH AND ROCK AS SHOWN. PILES SHALL BE GROUTED INTO THE ROCK WITH CLASS S1 CONCRETE. PRECORED HOLES SHALL BE CLEAN AT TIME OF PILE PLACEMENT AND GROUTING. SEE SPECIAL PROVISIONS.



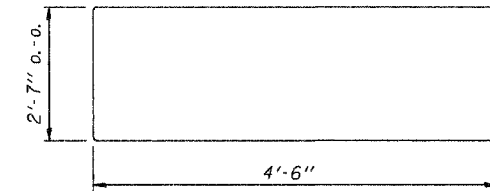
SECTION THRU PIER
(At Right Angles)

BILL OF MATERIAL FOR ONE PIER

Bar	No.	Size	Length	Shape
p1	9	#7	29'-2"	—
s1	30	#4	10'-5"	□
u1	8	#6	11'-7"	—
Concrete Structures			8.6	Cu. Yds.
Reinforcement Bars			880	Lb.



BAR s1



BAR u1

Illinois Department of Transportation

PASSED APRIL 4, 2005

Theresa S. [Signature]

Engineer of Bridge Design

APPROVED APRIL 4, 2005

Ralph E. [Signature]

Engineer of Bridges and Structures

P.P.C. DECK BEAMS
PILE BENT PIER

28' RDWY. | 17" BMS. | 'D'=0°, 5° OR 10°

STANDARD CP-2817-10

F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-02115-00-BP	CRAWFORD		10	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		

NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft.-lbs. at 0° F.

All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36 except posts and angles shall conform to AASHTO M 270 Grade 50.

Bolts, cap screws, and nuts shall conform to the requirement of ASTM designation A307 except for high strength bolts, nuts and washers noted which shall conform to AASHTO M 164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized according to AASHTO M 232.

All posts, railing, rail splices, anchor devices and angles shall be galvanized after shop fabrication according to AASHTO M-111 and ASTM A 385. Galvanized rail shall not be painted.

Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for STEEL RAILING, TYPE S-1.

For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with STEEL RAILING, TYPE S-1.

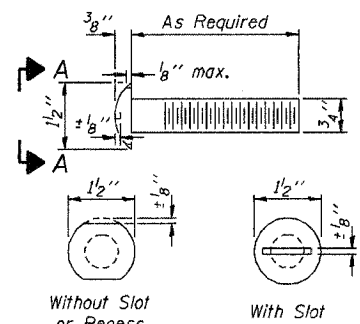
All field drilled holes shall be coated with an approved zinc rich paint before erection.

The 1/2" x 7" x 6" plates that come in contact with concrete shall either receive two coats of asphalt paint conforming to Section 1060.07 Type II, or 1/2" fabric bearing pads shall be placed between the plates and concrete.

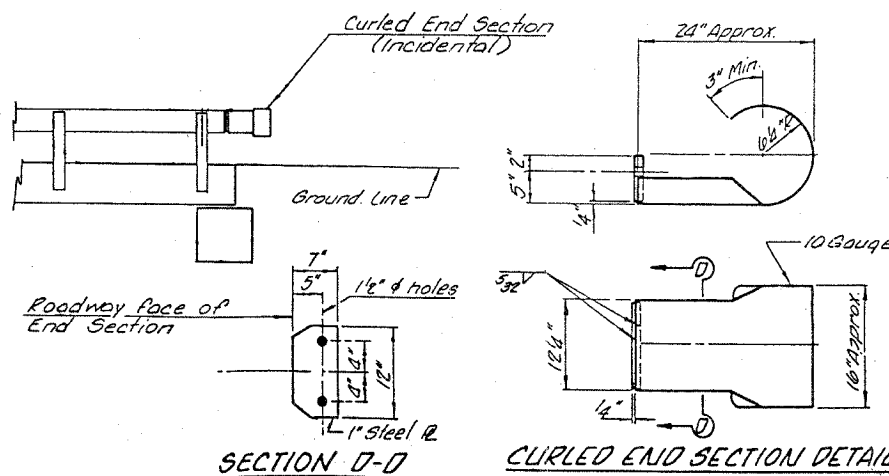
The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened according to Article 505.04 (f)(2) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/2 turn. The 5/8" cap screws in bottom of posts shall be tightened to a snug fit only.

The maximum allowable rail post spacing shall be 10'-6". The rail post spacing shown elsewhere in the plans is based on the allowable spacing for another type of rail. When this type of rail is used, the number of posts may be decreased and the post spacing increased to provide equal post spaces of 10'-6" or less.

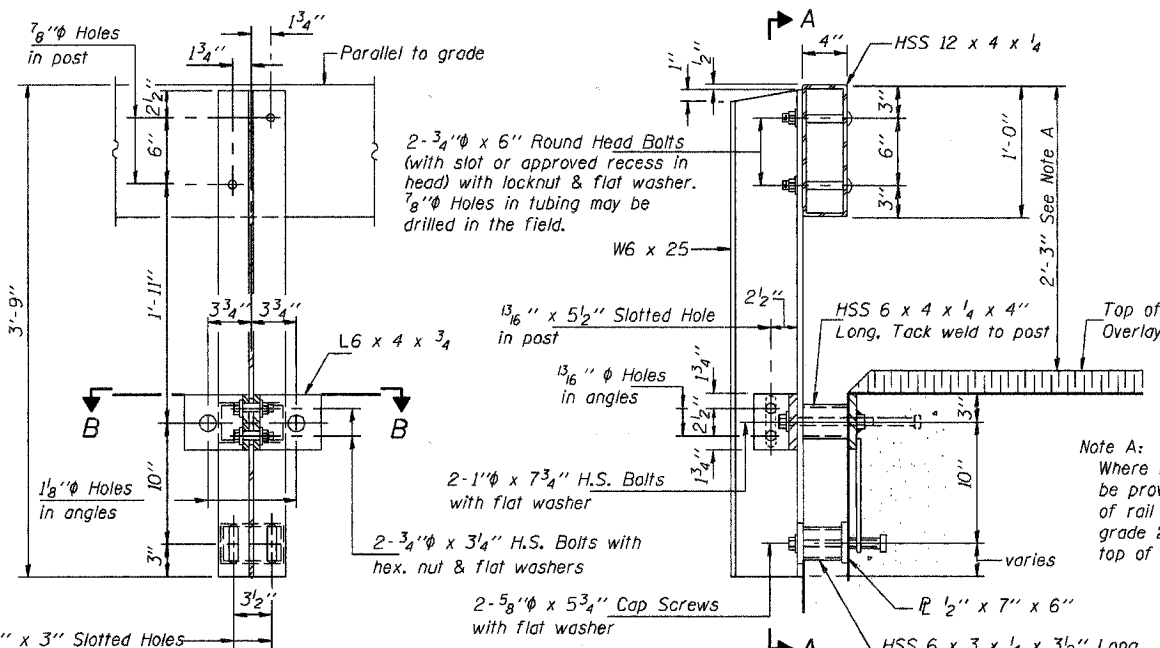
The maximum allowable rail post spacing shall be 10'-6". The rail post spacing shown elsewhere in the plans is based on the allowable spacing for another type of rail. When this type of rail is used, the number of posts may be decreased and the post spacing increased to provide equal post spaces of 10'-6" or less.



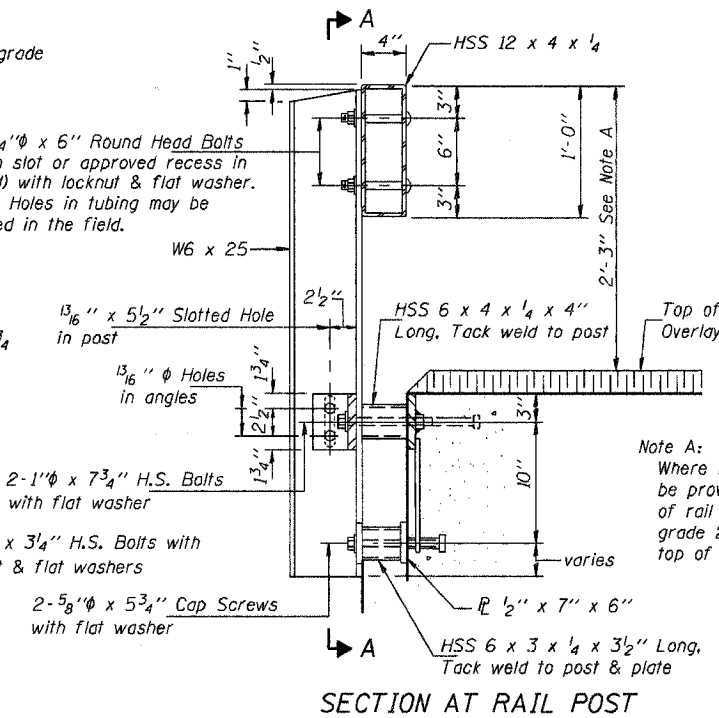
**VIEW A-A
ROUND HEAD BOLT**



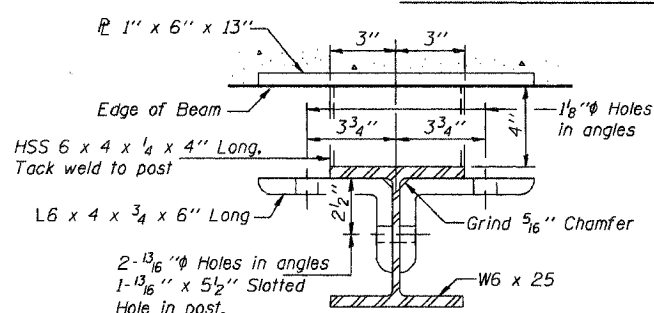
**SECTION D-D
CURLLED END SECTION DETAIL**



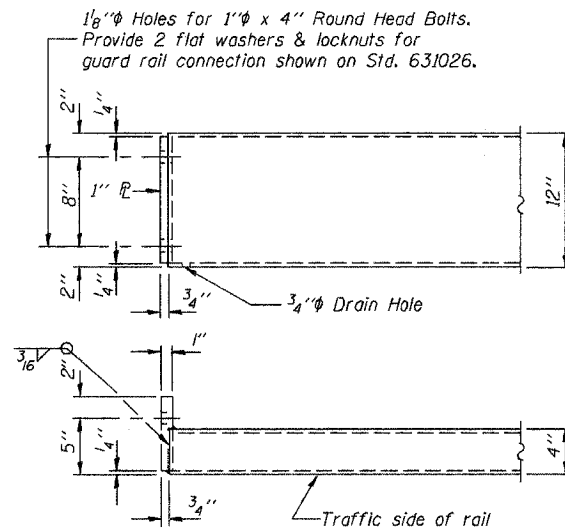
SECTION A-A



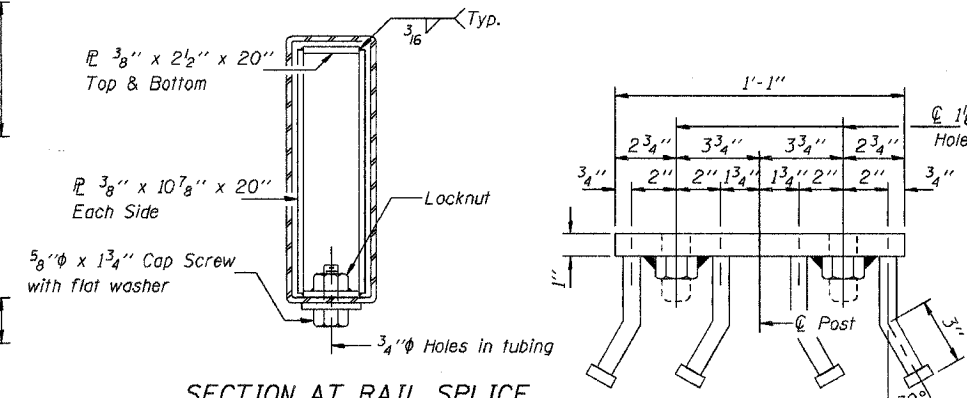
SECTION AT RAIL POST



SECTION B-B

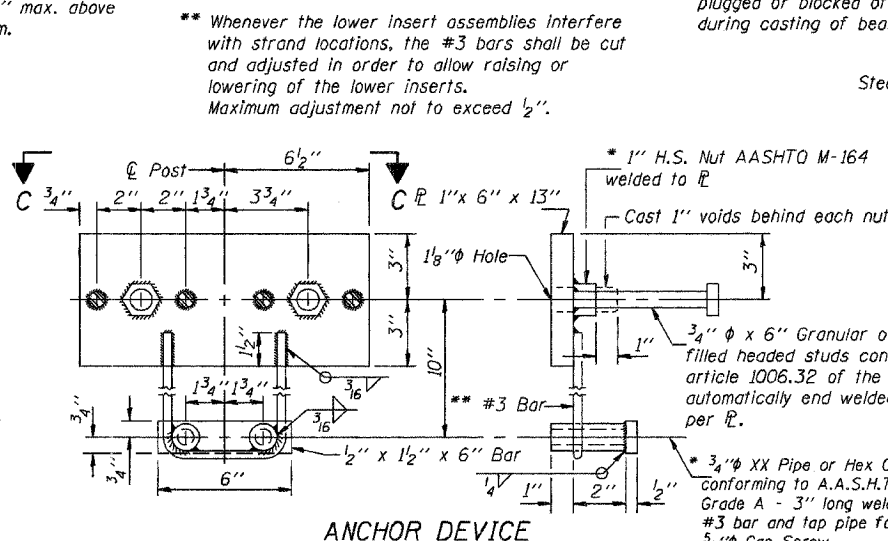


END OF RAIL DETAILS

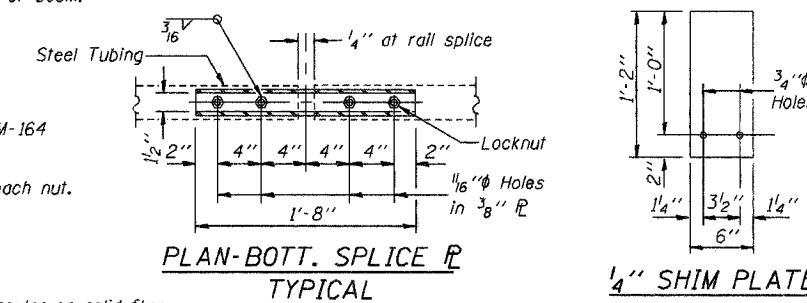


SECTION AT RAIL SPLICE

VIEW C-C



ANCHOR DEVICE



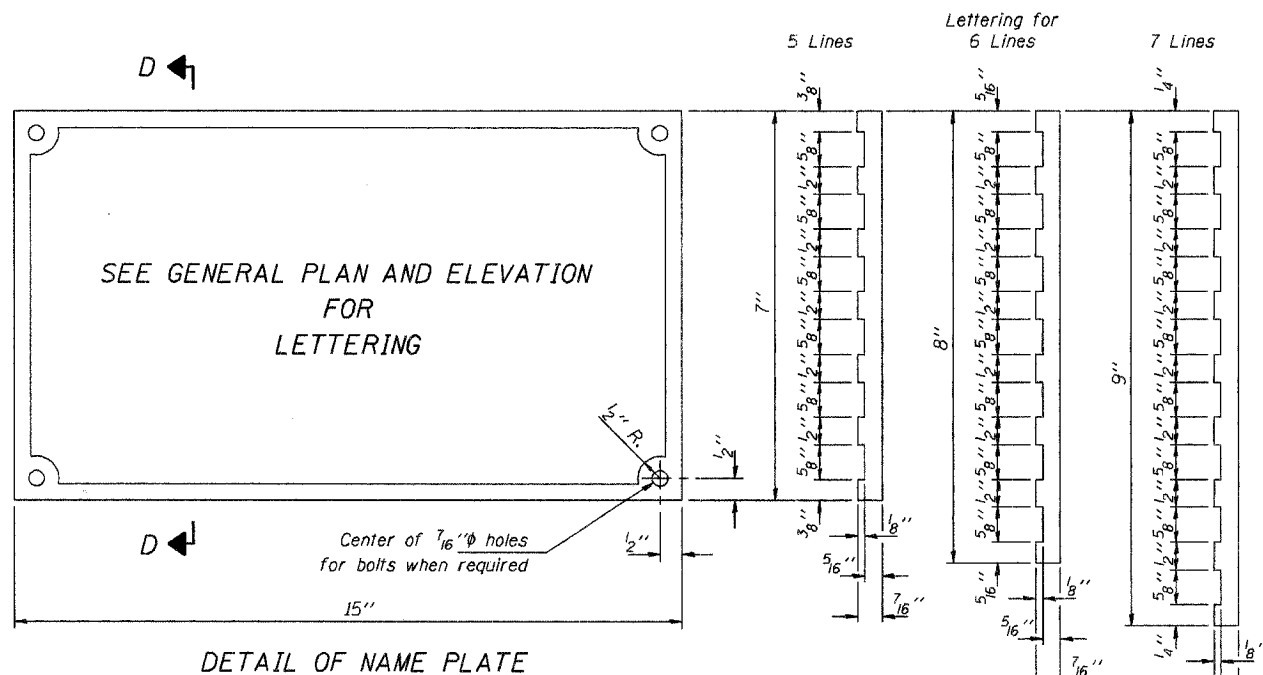
**PLAN-BOTT. SPLICE
TYPICAL**

1/4 SHIM PLATE

Illinois Department of Transportation
 PASSED APRIL 4, 2005
 Thomas S. Romagosa
 Engineer of Bridge Design
 APPROVED APRIL 4, 2005
 Ralph E. Anderson
 Engineer of Bridges and Structures

**STEEL RAILING, TYPE S-1
STANDARD CR-TS1**

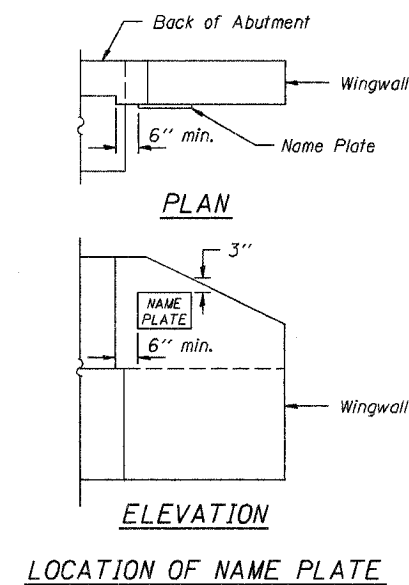
F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
25-02.115-00-82	CRAWFORD	10	9	
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



DETAIL OF NAME PLATE

Material: Best quality brass or bronze.
 Border & Lettering: Raised $\frac{1}{8}$ inch. Square cut and not tapered. Top surface polished.
 Fastenings: Four lugs at least three inches long, cast on back of plate.

SECTIONS D-D



LOCATION OF NAME PLATE

Illinois Department of Transportation

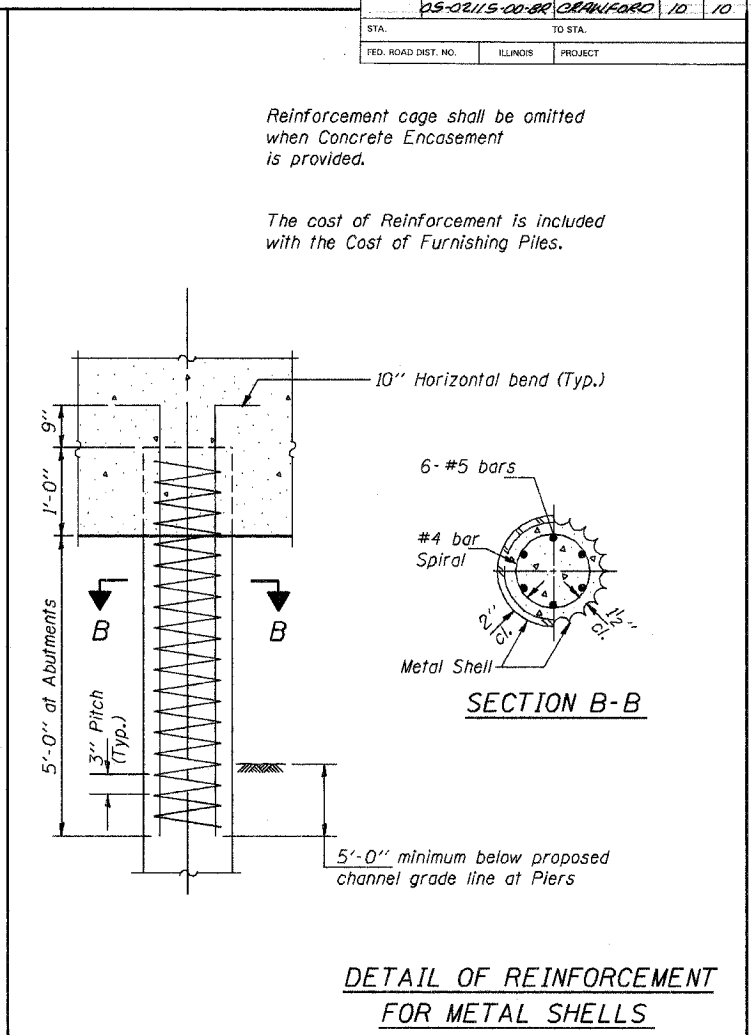
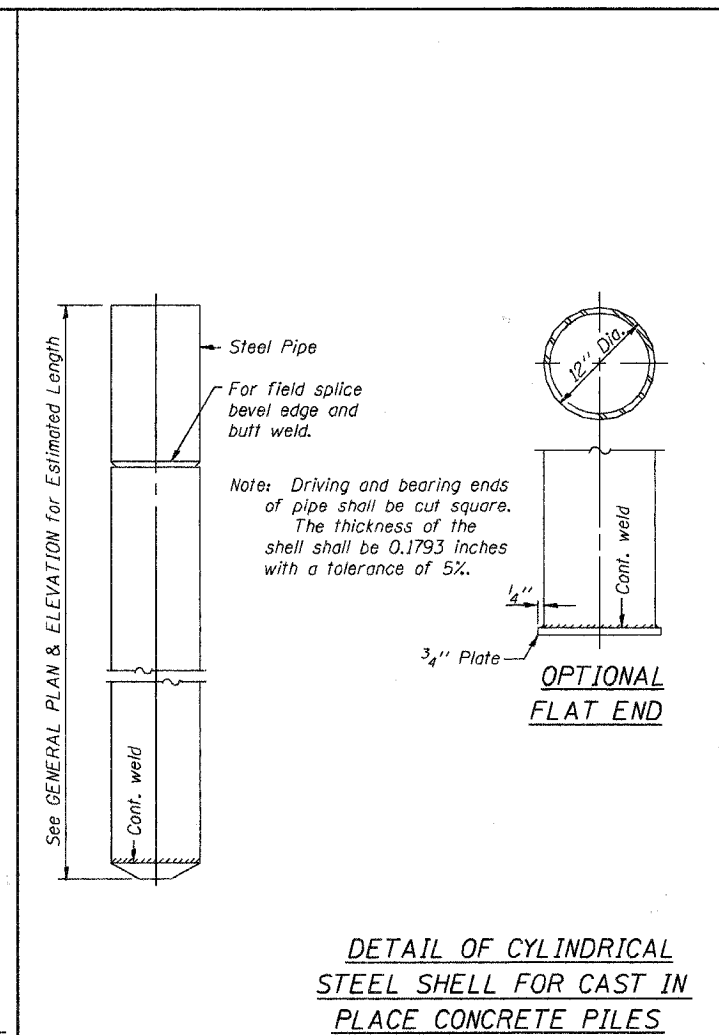
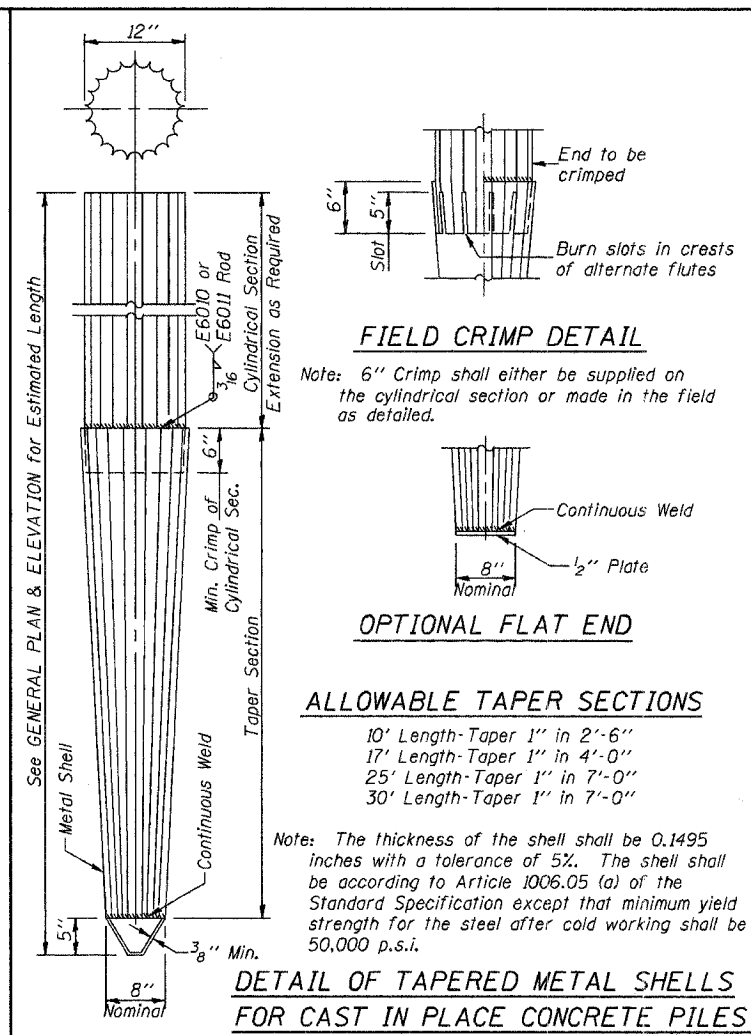
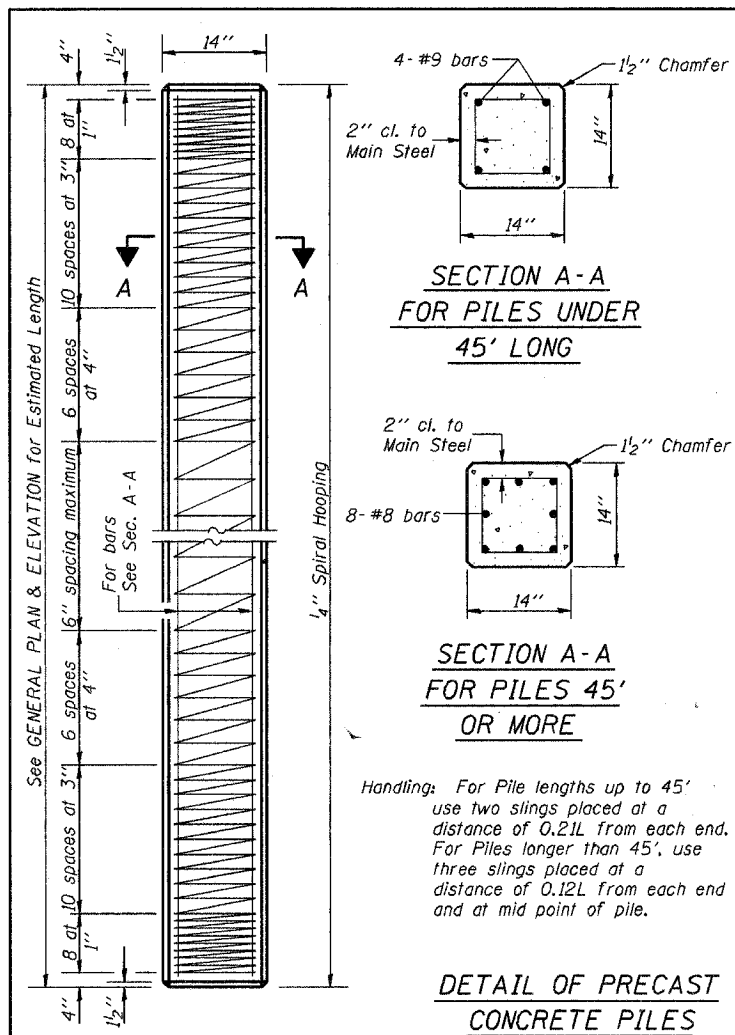
PASSED APRIL 4, 2005
Thomas J. Homan
 Engineer of Bridge Design

APPROVED APRIL 4, 2005
Ralph E. Anderson
 Engineer of Bridges and Structures

ISSUED 7-1-955

NAME PLATE
STANDARD CN

P.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
05-02/15-00-80	BRIDGE	DEKALB	10	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	PROJECT		



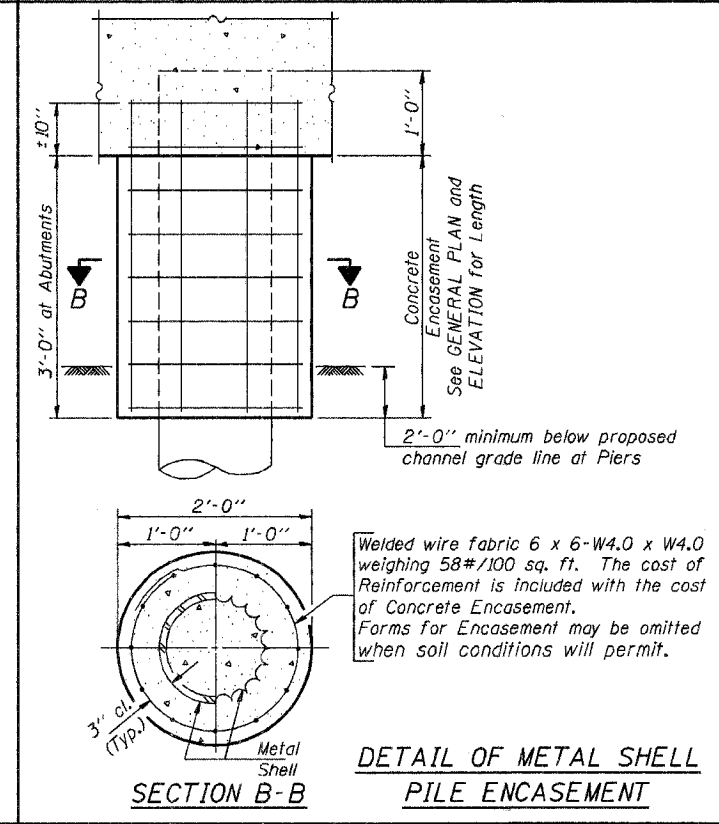
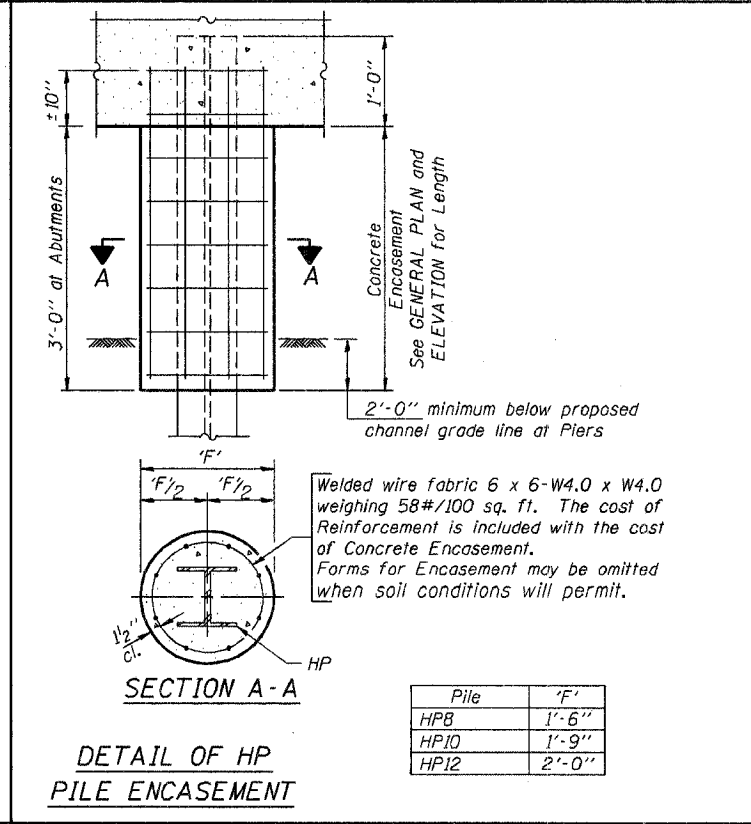
Illinois Department of Transportation

PASSED FEBRUARY 1, 2000

APPROVED FEBRUARY 1, 2000

Engineer of Bridges and Structures

1585



QUANTITIES/FT. OF ENCASEMENT (STEEL PILES)

Pile Size	Item	Quantity
HP8	Concrete Encasement	0.063 C.Y.
HP10	Concrete Encasement	0.086 C.Y.
HP12	Concrete Encasement	0.112 C.Y.

(METAL SHELL PILES)

Pile Size	Item	Quantity
12" Dia.	Concrete Encasement	0.087 C.Y.

PILE DETAILS

STANDARD CX-1