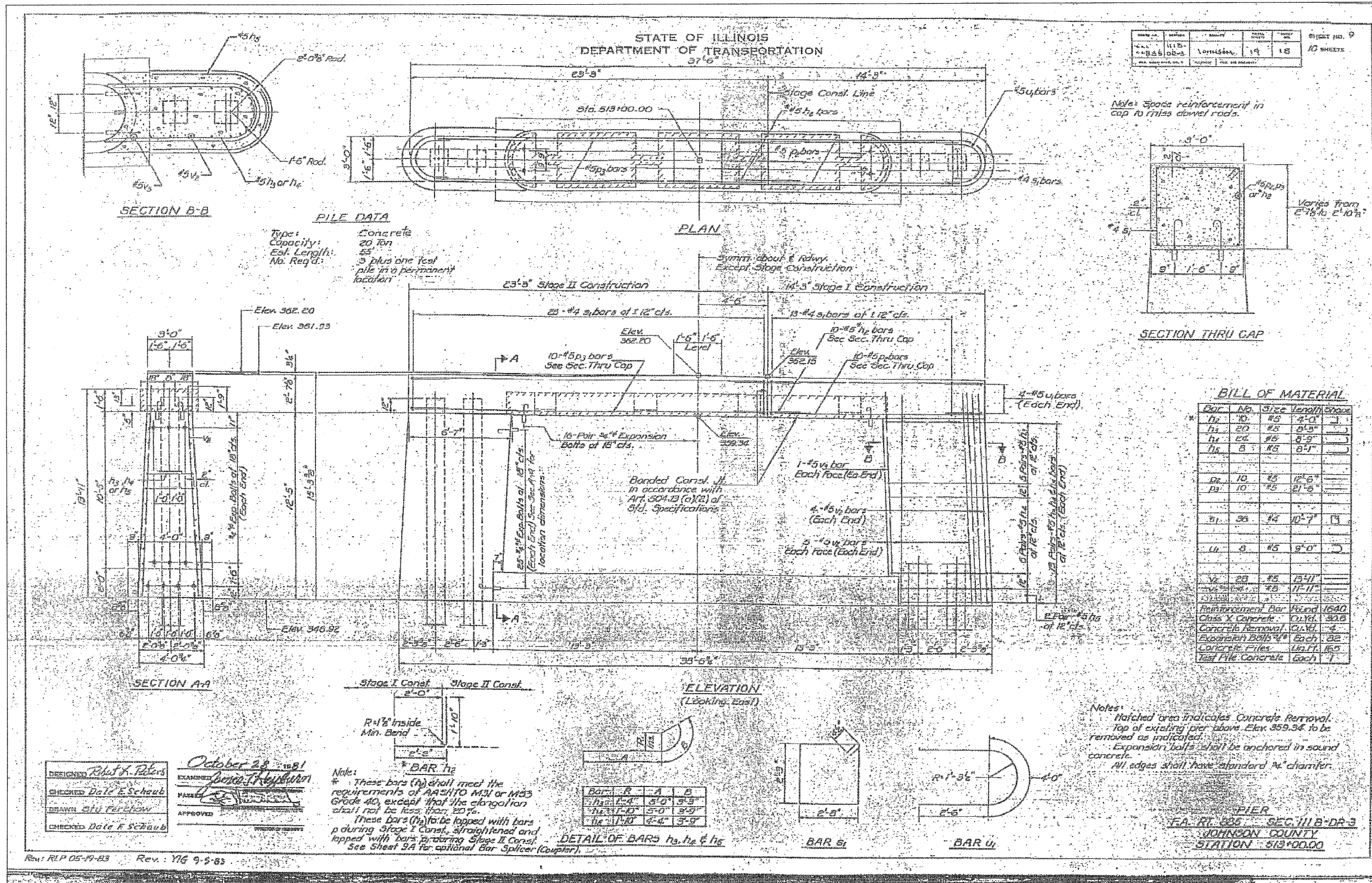


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 885	111BR-1	Johnson	94	84
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 9
10 SHEETS

Contract #78030



PILE DATA
Type: Concrete
Capacity: 20 Ton
Est. Length: 55'
No. Req'd: 3 plus one test pile in a permanent location

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h2	10	#5	2'-0"	1
h3	20	#5	0'-5"	1
h4	20	#5	6'-9"	1
h5	8	#5	0'-1"	1
D1	10	#5	12'-6"	1
D2	10	#5	21'-6"	1
S1	36	#4	10'-7"	1
U1	8	#5	9'-0"	1
V1	28	#5	15'-11"	1
V2	28	#5	17'-11"	1

Reinforcement Bar Round 1640
Class X Concrete Cu.Yd. 308
Concrete Removal Cu.Yd. 4
Expansion Bolts 4" Each 32
Concrete Piles Lin Ft. 160
Test Pile Concrete 1 Each 1

DESIGNED: *Robert K. Peters*
CHECKED: *Dele E. Schaub*
DRAWN: *Stu Perstow*
CHECKED: *Dele E. Schaub*

October 28, 1981
EXAMINED: *James P. Henderson*
APPROVED: _____

Note:
* These bars (h) shall meet the requirements of AASHTO M31 or M53 Grade 40, except that the elongation shall not be less than 20%.
These bars (h) to be lapped with bars p during Stage I Const., straightened and lapped with bars p during Stage II Const. See Sheet 9A for optional Bar Splicer (Coupler).

DETAIL OF BARS h₂, h₃ & h₄

Bar	R	A	B
h ₂	4'-4"	5'-0"	3'-9"
h ₃	1'-0"	5'-0"	3'-9"
h ₄	1'-8"	4'-4"	3'-9"

Notes:
Hatched area indicates Concrete Removal. Top of existing pier above Elev. 359.34 to be removed as indicated.
Expansion bolts shall be anchored in sound concrete.
All edges shall have standard 1/4" chamfer.

PIER
FA-RI 238 SEC. III B-DR-3
JOHNSON COUNTY
STATION 513+00.00

Rev: RLP 05-19-83 Rev: YIG 9-2-83

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

HLR

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-52-0007-1 DATE: 04/02/08
DESIGNED: P.S.L. CHECKED: M.D.C. DRAWN: D.T.M.

EXISTING STRUCTURE PLANS

IL. ROUTE 146 OVER BELL POND
F.A.P. ROUTE 885 / SECTION 111BR-1
JOHNSON COUNTY
STATION 513+00
STRUCTURE NO. 044-0022