STATE OF ILLINOIS PEDESTRIAN BRIDGE OVER SINNISSIPPI DAM DEPARTMENT OF NATURAL RESOURCES Whiteside County

7'-3"

├— @ Brg. See note 3.

5′-<u>9</u>"

-3-#4 p100 (E) bars

Brg. seat elev.

Exist. top of pier elev.

(See table)

(See table)

14'-6"

13 pairs-#4 d100 (E) bars @ 12" cts. (Pier 11)

13 pairs-#4 d101 (E) bars @ 12" cts. (Pier 10)

13 pairs-#4 d102 (E) bars @ 12" cts. (Pier 9)

PLAN VIEW

- p100 (E)

ELEVATION

19'-6" to Survey Baseline

7'-3"

 $A \blacktriangleleft 1$

d100 (E), d101 (E) or d102 (E),

See note 5.

min. lap

-3" cl.

Pier

© Brg. See Note 3.

2-#4 u100 (E) bars

each pier

u100 (E)

* 2-#4 d100 (E) bars (Pier 11)

2-#4 d101 (E) bars (Pier 10)

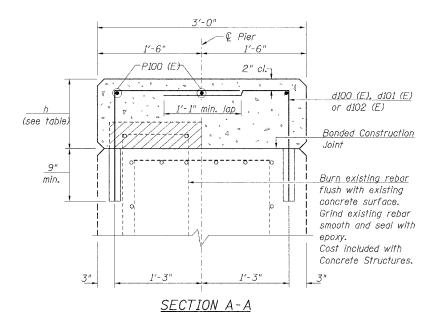
2-#4 d102 (E) bars (Pier 9)

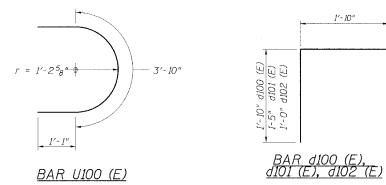
/ <u>r=1'-6"</u>

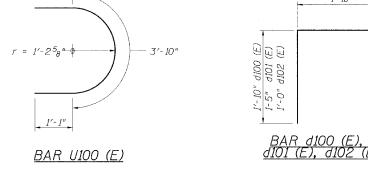
OFFICE OF WATER RESOURCES

Notes:

- 1. Space reinforcement to miss anchor bolts.
- 2. All edges shall have a 3/4" chamfer unless otherwise noted.
- 3. Location of bearings to be as required for the prefabricated truss bridge used. Prefabricated truss bridge manufacturer shall design bearings and anchor bolts to accommodate bearing seat dimensions provided with due consideration for required anchor bolt spacing and distances from anchor bolts to free edges of concrete.
- 4. The quantities and reinforcement details shown were developed from the bearing seat elevations shown and may change based upon the final bearing seat elevations. Contractor shall adjust the bearing seat elevations accordingly to accommodate the prefabricated truss bridge used. Vertical lengths of d100 (E), d101 (E) and d102 (E) shall also be adjusted accordingly.
- 5. Epoxy grouting of bars shall be done according to Section 584 of the Standard Specifications. The grout and method of application shall be approved by the engineer. Cost included with Reinforcement Bars, Epoxy Coated.
- 6. Reinforcement bars designated (E) shall be epoxy coated







PIERS 9-11 ELEVATION TABLE Bearing Seat 54" 644.21 644.65 10 643.85 644.65 958" 11 643.42 644.65 1'-234"

Legend:

∟2" cl.

Concrete Removal

** See Note 4

** BILL OF MATERIAL (PIERS 9-11)				
Bar	No.	Size	Length	Shape
d100 (E)	28	#4	3′-8"	Г
d101 (E)	28	#4	3'-3"	Г
d102 (E)	28	#4	3'-10"	Г
p100 (E)	9	#4	12'-10"	_
u100 (E)	6	#4	6'-0")
Concrete Structures			Cu. Yd.	3.9
Reinforcement Bars, Epoxy Coated			Pounds	310
Concrete Removal			Cu. Yd.	0.5
Bridge Seat Sealer			Sq. Ft.	138

