ROUTE NO.	SEC	COUNTY	TOTAL SHEETS	SHEET NO.	
FAP 614	✳	MORGAN	14	8	SHEET NO. 6 12 SHEETS

FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT
	✳148(BR-2)F	CONTRACT NO. 72B49

PLAN - ABUTMENTS

***25 - #5 v(E) bars @ 12" cts

±4'-6" (Typ.)

**2'-2" (Min) (Typ.)

9"x ½"x 2'-7" Fabric Bearing Pad (Typ. at interior beam)

9"x ½"x 1'-3½" Fabric Bearing Pad (Typ. at outside beam)

Concrete Removal

End of Deck Beams

Bk. Existing Abutment

℄ Rdwy.

Concrete Removal

℄ Abut. & ℄ Brg.

** Clean and Incorporate Existing Horizontal Bars Into New Construction. Cutoff bars as shown. (Typ.)

1'-0" 1'-0" 1'-0" (Typ.)
Proposed Dowel Rod Location

2'-6" 1'-3" 1'-10" 8"

⬛ Concrete Removal

BAR v(E)

1'-3"

2'-4"

SECTION A-A
(Proposed)

HMA Wearing Surface

Approach Pavement

21" PPC Deck Beam

7"

1'-3"

**Clean and incorporate existing vertical bars into new construction

9"x ½" Fabric Bearing Pad

* 1" φ x 2'-6" Dowel Rods in 1½" φ holes drilled in cap (2 Each Beam)

2'-6"

SECTION B-B

8"

New Approach Pavement

HMA Wearing Surface

Pavement Removal (See Rdwy Plans)

***v(E)

9" min.

4"

7"

1'-3"

21" PPC Deck Beam

9"x ½" Fabric Bearing Pad

* 1" φ x 2'-6" Dowel Rods in 1½" φ holes drilled in cap (2 Each Beam)

2'-6"

SECTION A-A
(Existing)

8"

Asphalt Surface

Concrete Removal

Bk. of Abutment

2'-6"

***Epoxy grout bars v(E) in 9" min. drilled holes according to Section 584 of the Standard Specifications.

BILL OF MATERIAL
TWO ABUTMENTS

Bar	No.	Size	Length	Shape
v(E)	50	#5	3'-7"	⌐
Concrete Removal		Cu. Yd.	0.8	
Reinforcement Bars, Epoxy Coated		Lbs.	190	

* Existing Dowel Rods shall be burned off flush with the top of existing concrete, ground smooth, and sealed with epoxy. Cost to be included in the cost of Removal of Existing Superstructures. 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.

**Existing reinforcement bars extending into new construction shall be cleaned, straightened and incorporated into the new construction. Cost to be included with Concrete Removal.

DESIGNED	BAN
CHECKED	JOH
DRAWN	TC/TD
CHECKED	BAN

THIS SHEET IS FOR
INFORMATION ONLY

ABUTMENTS
ILLINOIS ROUTE 78 OVER
MAUVAISE TERRE CREEK
F.A.P. 614 SEC. 148(BR-2)F
MORGAN COUNTY
STATION 16+34.85
STR. NO. 069-0005

HUTCHISON ENGINEERING, INC.
JACKSONVILLE, ILLINOIS
Rev: Date:

2447-6b006