

Notes: Bridge Approach Slab. Bars, Epoxy Coated. Standard Specifications. sealant. in the gland.

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The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast

Cast-in-place substitution of Precast Bridge Approach Slab is not allowed. Parapet and median barrier concrete shall be paid for as Concrete Superstructure. Parapet, median barrier, and wearing surface reinforcement shall be paid for as Reinforcement

Approach footing concrete shall be paid for as Concrete Structures.

The top surface of precast bridge approach slabs shall be roughened to a depth of  $l_4^{\prime\prime}$ according to the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products." After precast bridge approach slab has been erected, holes shall be drilled into abutment concrete diaphragm and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of precast slab and allowed to cure fully prior to grouting the longitudinal shear keys. Two  ${}^{\prime}_{\beta}{}^{\prime\prime}$  fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.

A minimum  $2 l_2'' \phi$  lifting pin shall be used to engage the lifting loops during handling.

Compressive strength of precast concrete, f'c shall be 6,000 psi.

For additional parapet and median barrier details, see Sheets S-16 and S-17. Any concrete poured monolithically with the wearing surface, such as curbs, will not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

The strip seal shall be made continuous and shall have a minimum thickness of  ${}^{I}_{d}$ ". The strip seal shall extend 6" beyond the edge of the approach slab on each end. The configuration of the strip seal shall match the configuration of the Locking Edge Rails.

The height and thickness of the Locking Edge Rails shown are minimum dimensions. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed.

The inside of the Locking Edge Rail groove shall be free of weld residue.

Locking Edge Rails may be spliced at slope discontinuities and stage construction joints. The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the

Maximum space between rail segments at stage lines shall be  ${}^{3}_{l6}$  '', sealed with a suitable

The strip seal gland shall be sized for a maximum rated movement of 4". Open or "webbed" strip seal gland configurations are not permitted.

The strip seal joint shall extend level between faces of the median barrier without any joints

	DILL				
Bar	No.	Size	Length	Shape	
a 10 (E)	248	#4	24'-10''		
а <sub>11</sub> (Е)	86	#4	7'-5''		
Ь 10 (E)	174	#4	29'-8''		
<i>Ь</i> 11 (Е)	2	#4	21'-1''		
b 12 (E)	2	#4	8'-5''		
b 13 (E)	2 2 2	#4	19'-9''		
b 14 (E)	2	#4	9'-3''		
d 10 (E)	92	#5	5'-11''	L	
d 11 (E)	92	#5	6'-10''	Ň	
d 12(E)	136	#5	2'-0''	(	
d 13 (E)	136	#5	5'-0''	Γ	
e 10 (E)	16	#4	20'-8''		
е II (Е)	2	#8	20'-8''		
e 12(E)	16	#4	19'-9''		
e 13(E)	2	#8	19'-9''		
e 14 (E)	4	#4	29'-8''		
e 15 (E)	4	#8	29'-8''		
e 16 (E)	28	#4	14'-8''		
t 10(E)	356	#4	10'-0''		
wıo (E)	160	#5	24'-10''		
w11 (E)	240	#5	17'-8''		
Bridge Deck Grooving		Sq. Yd.	527		
Protective Coat			Sq. Yd.	656	
Concrete Superstructure		Cu. Yd.	27.0		
Concrete Structures			Cu. Yd.	56.5	
Reinforcement Bars, Epoxy Coated		Pound	22,550		
Precast Bridge Approach Slab			Sq. Ft.	5,120	
Concrete Wearing Surface, 5''			Sq. Yd.	586	
Preformed Joint Strip Seal			Foot	184	
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TWO APPROACHES BILL OF MATERIAL

<u>BAR LIST</u>					
STAGE II EXTERIOR	BEAM				
(For information only)					

Bar	No.	Size	Length	Shape
B(E)	6	#5	29'-8''	
$B_I(E)$	12	#9	29′-8′′	_
D2(E)	31	#4	6′-11′′	
S4(E)	58	#5	11'-10''	
S5(E)	10	#5	8′-11′′	

PRECAST BRIDGE APPROACH SLAB DETAILS IV	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STRUCTURE NO. 016–2440	94	2012-059-BR	COOK	631	451
3111001011L NO: 010=2440			CONTRAC	T NO. 6	50J12
SHEET NO. S-23 OF S-47 SHEETS	ILLINDIS FED. AID PROJECT				