

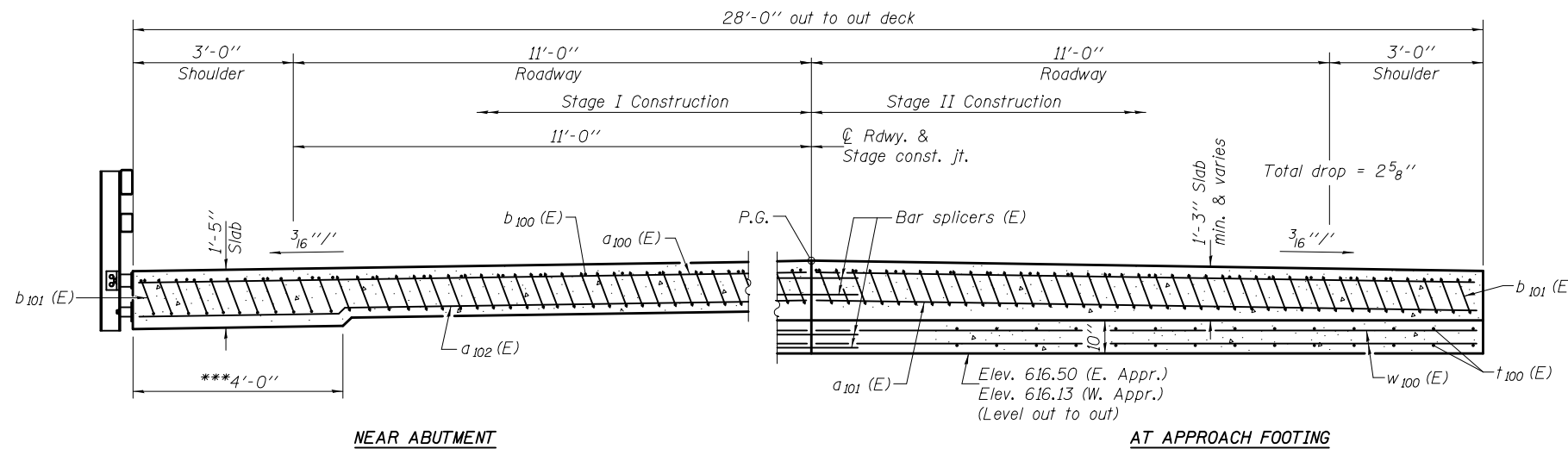
SECTION C-C

Notes:
 Approach slab concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 For v₁(E) bar details, see sheet 13 of 18.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 For bar splicer details, see sheet 16 of 18.
 Cost of excavation for approach footing included with Concrete Structures.
 For Detail A, see sheet 10 of 18.

*Tilt #9 b₁₀₁ (E) bars as required to maintain clearance.

**Cost included with Concrete Superstructure.

***To facilitate SM rail connection, shape the sub-base to provide an additional 2" of slab thickness in this region.



NEAR ABUTMENT

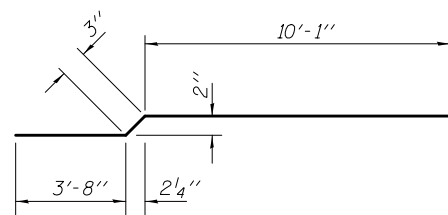
SECTION D-D

(See Plan for dimensions not shown)

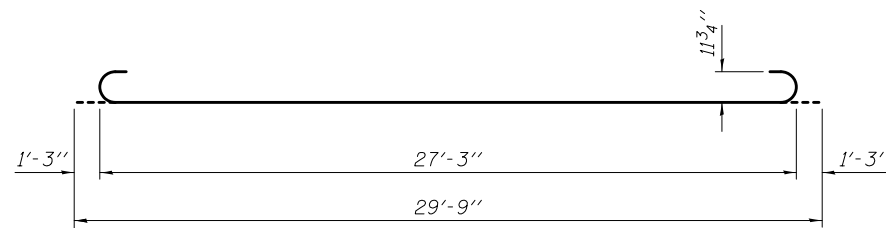
AT APPROACH FOOTING

**TWO APPROACHES
 BILL OF MATERIAL**

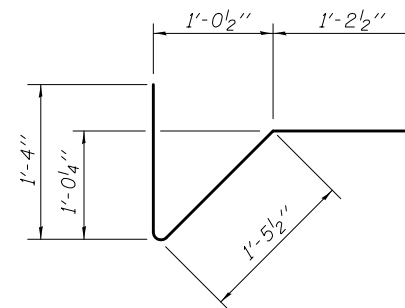
Bar	No.	Size	Length	Shape
a ₁₀₀ (E)	100	#4	14'-0"	—
a ₁₀₁ (E)	96	#5	14'-0"	—
a ₁₀₂ (E)	92	#5	14'-0"	—
b ₁₀₀ (E)	48	#4	29'-8"	—
b ₁₀₁ (E)	132	#9	29'-9"	—
t ₁₀₀ (E)	112	#4	9'-10"	—
w ₁₀₀ (E)	160	#5	14'-0"	—
x ₁₀₀ (E)	68	#4	4'-0"	—
Concrete Superstructure			Cu. Yd.	82.5
Concrete Structures			Cu. Yd.	17.7
Reinforcement Bars, Epoxy Coated			Pound	21240



BAR a₁₀₂ (E)



BAR b₁₀₁ (E)



BAR x₁₀₀ (E)

DESIGNED - Paul S. Johnson
 CHECKED - Zachary T. Bulva
 DRAWN - h.t. duong
 CHECKED - PSJ/ZTB

EXAMINED - *Joanne F. [Signature]*
 ACTING ENGINEER OF BRIDGE DESIGN
 PASSED - *Carl [Signature]*
 ACTING ENGINEER OF BRIDGES AND STRUCTURES

DATE - OCTOBER 16, 2014
 REVISED
 REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 053-0157**

SHEET NO. 11 OF 18 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
370	(102BR)BR	LIVINGSTON	65	32
CONTRACT NO. 66A18			ILLINOIS FED. AID PROJECT	