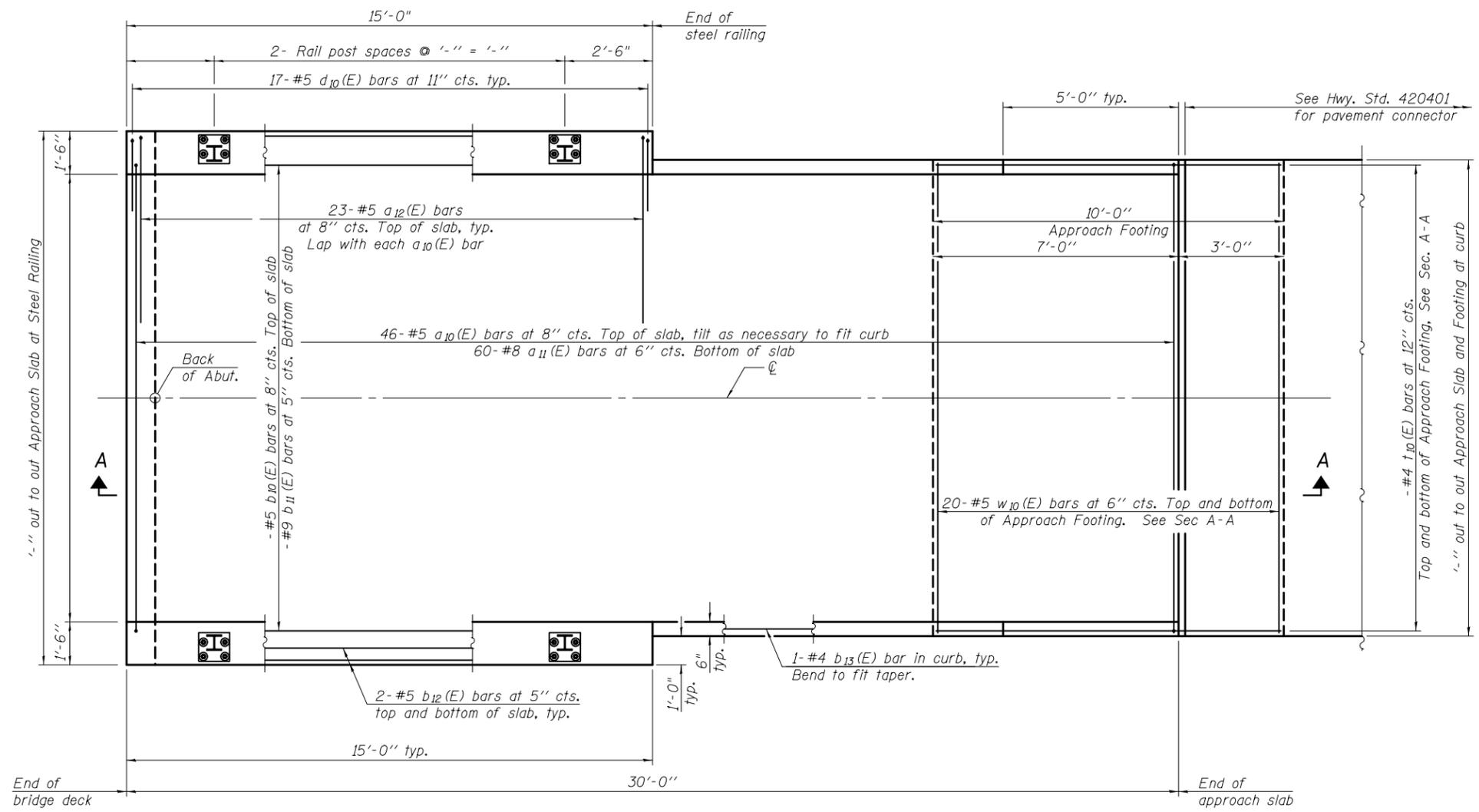
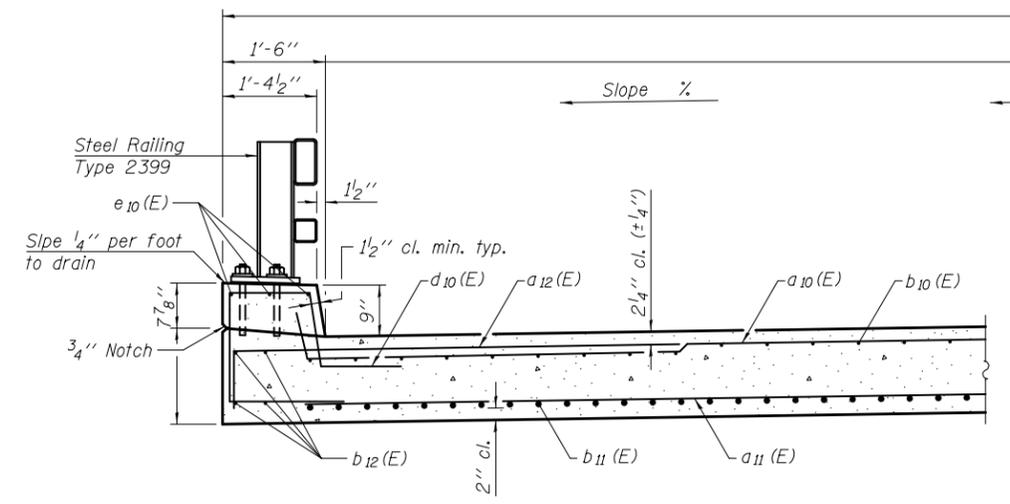


CELL / MODEL NAME	DESCRIPTION	DATE
BA-CIP-2399-0 (1 of 2)	Bridge approach; Cast in place; 2399 Rail; No skew	11/22/2016
BA-CIP-2399-0 (2 of 2)	Bridge approach; Cast in place; 2399 Rail; No skew	11/22/2016
BA-CIP-R34C-0 (1 of 2)	Bridge approach; Cast in place; R34 Rail with curb; No skew	11/22/2016
BA-CIP-R34C-0 (2 of 2)	Bridge approach; Cast in place; R34 Rail with curb; No skew	11/22/2016
BAIA-CIP-34FS-0 (1 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; No skew	11/22/2016
BAIA-CIP-34FS-0 (2 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; No skew	11/22/2016
BAIA-CIP-34FS-L-Greater than 30 degrees (1 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Left skew; Greater than 30 degrees	11/22/2016
BAIA-CIP-34FS-L-Greater than 30 degrees (2 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Left skew; Greater than 30 degrees	11/22/2016
BAIA-CIP-34FS-L-Less than or equal to 30 degrees (1 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Left skew; Less than or equal to 30 degrees	11/22/2016
BAIA-CIP-34FS-L-Less than or equal to 30 degrees (2 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Left skew; Less than or equal to 30 degrees	11/22/2016
BAIA-CIP-34FS-R-Greater than 30 degrees (1 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Right skew; Greater than 30 degrees	11/22/2016
BAIA-CIP-34FS-R-Greater than 30 degrees (2 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Right skew; Greater than 30 degrees	11/22/2016
BAIA-CIP-34FS-R-Less than or equal to 30 degrees (1 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Right skew; Less than or equal to 30 degrees	11/22/2016
BAIA-CIP-34FS-R-Less than or equal to 30 degrees (2 of 2)	Bridge approach; Integral Abut; CIP; 34 in. F shape; Right skew; Less than or equal to 30 degrees	11/22/2016
BAIA-CIP-42FS-0 (1 of 2)	Bridge approach; Integral Abut; CIP; 42 in. F shape; No skew	11/22/2016
BAIA-CIP-42FS-0 (2 of 2)	Bridge approach; Integral Abut; CIP; 42 in. F shape; No skew	11/22/2016

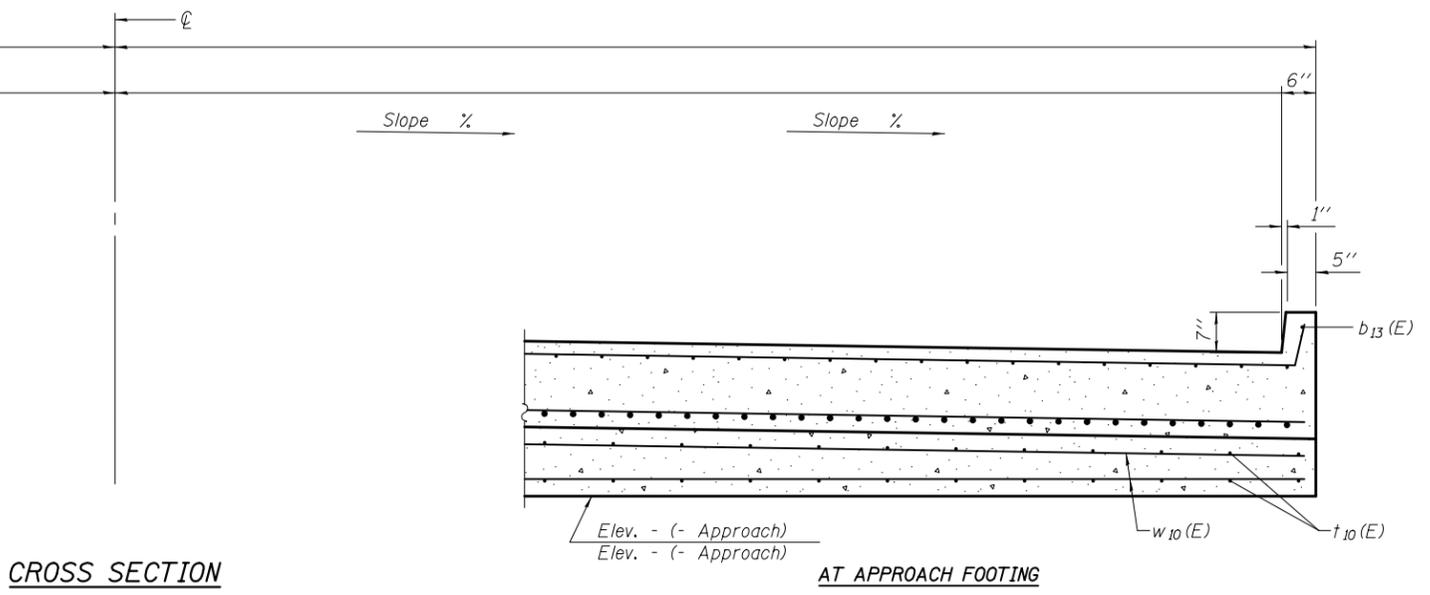
CELL / MODEL NAME	DESCRIPTION	DATE
BASA-CIP-FS-0 (1 of 2)	Bridge approach; Stub Abut; CIP; 34 in. F shape; No skew	11/22/2016
BASA-CIP-FS-0 (2 of 2)	Bridge approach; Stub Abut; CIP; 34 in. F shape; No skew	11/22/2016



PLAN



NEAR ABUTMENT



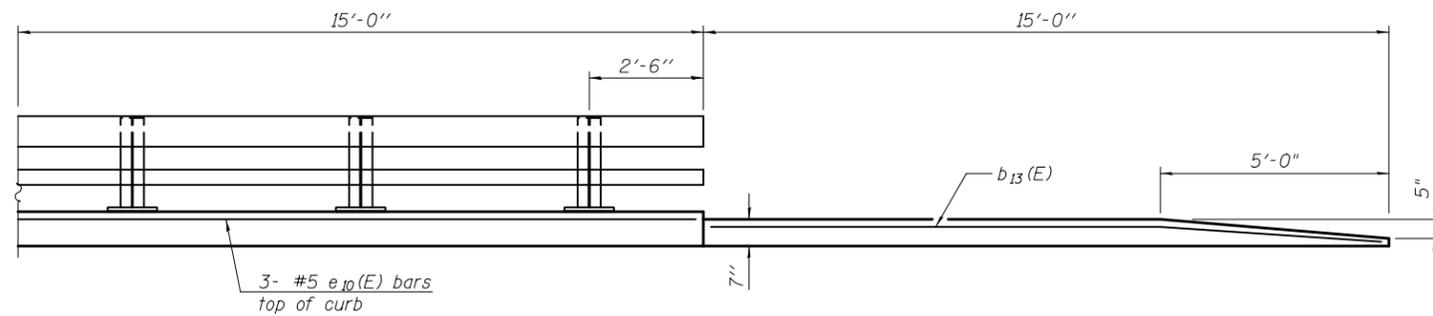
CROSS SECTION
(Looking)

AT APPROACH FOOTING

BA-CIP-2399-0 11-22-2016

(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD -			CONTRACT NO.					
		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISD -								

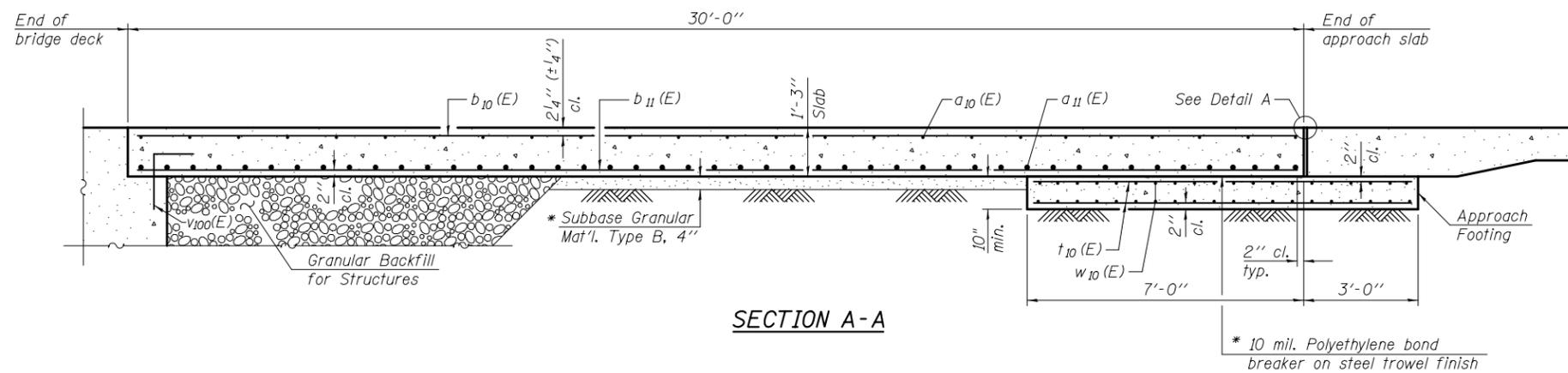


INSIDE ELEVATION OF RAILING AND CURB

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

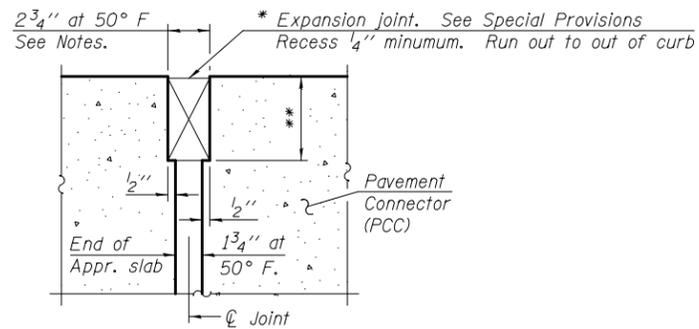
Curb concrete under railing shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet of .
 For railing details, see sheet of .



SECTION A-A

**TWO APPROACHES
BILL OF MATERIAL**

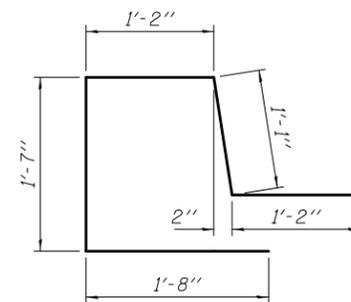
Bar	No.	Size	Length	Shape
a ₁₀ (E)	92	#5		┌───┐
a ₁₁ (E)	120	#8		───
a ₁₂ (E)	92	#5	7'-4"	┌───┐
b ₁₀ (E)		#5	29'-8"	───
b ₁₁ (E)		#9	29'-8"	───
b ₁₂ (E)	16	#5	14'-8"	───
b ₁₃ (E)	4	#4	14'-8"	───
d ₁₀ (E)	68	#5	6'-8"	└─┘
e ₁₀ (E)	12	#5	14'-8"	───
t ₁₀ (E)		#4	9'-8"	───
w ₁₀ (E)	80	#5		───
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	



DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).

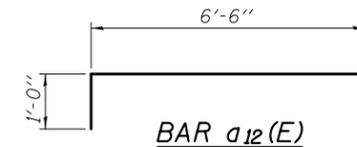
** Per manufacturer recommendations



BAR d₁₀(E)



BAR a₁₀(E)



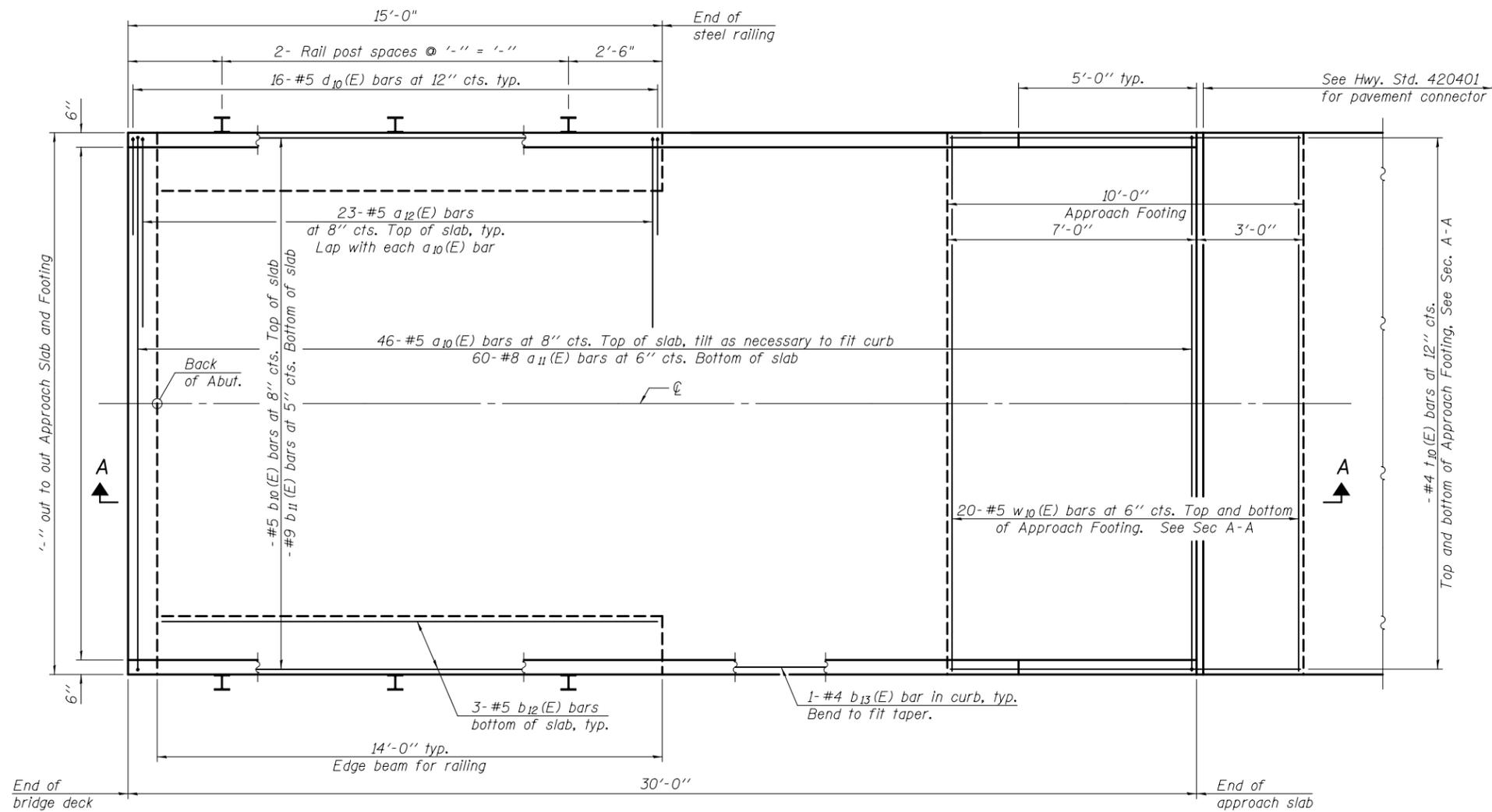
BAR a₁₂(E)

BA-CIP-2399-0

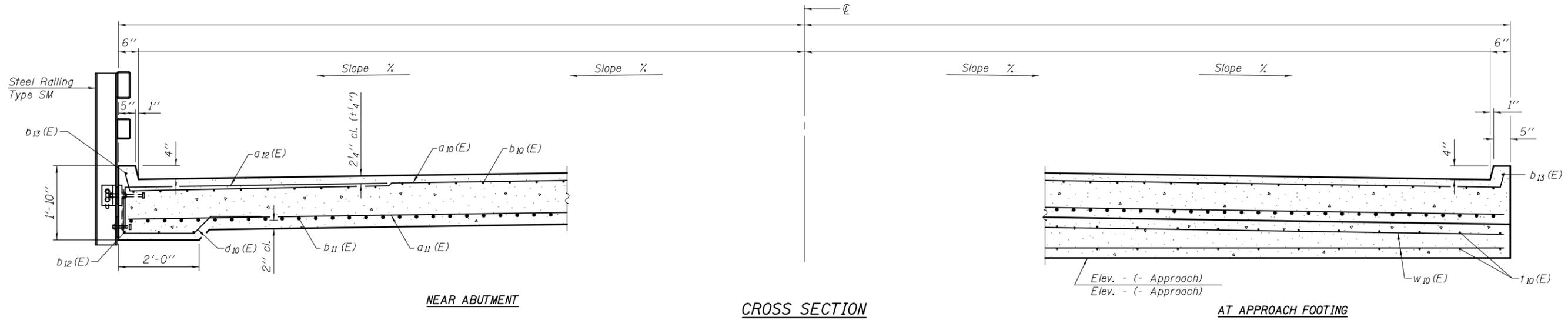
11-22-2016

(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIONS -								



PLAN

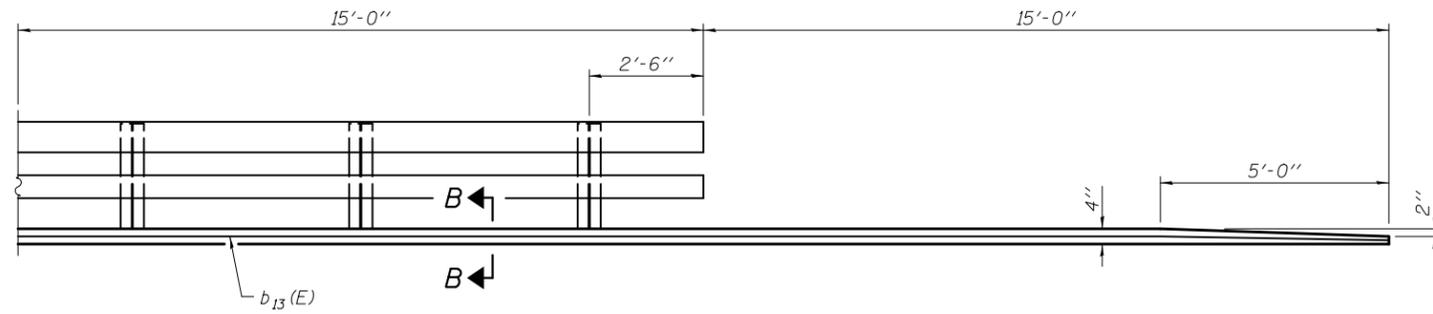


CROSS SECTION
(Looking)

BA-CIP-R34C-0 11-22-2016

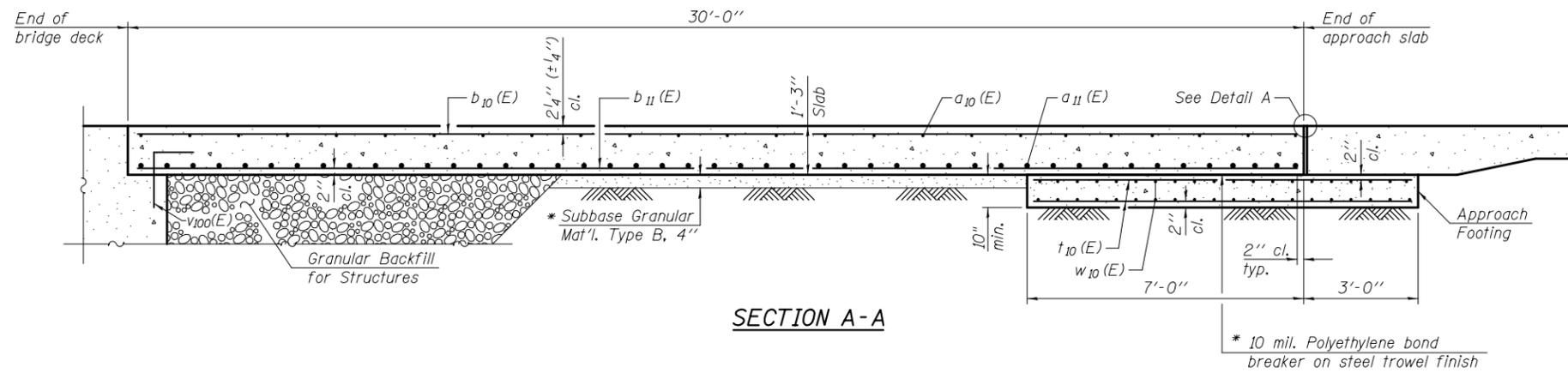
(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISED -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISED -								

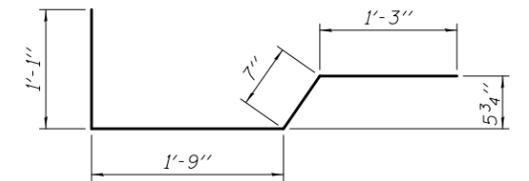


INSIDE ELEVATION OF RAILING AND CURB

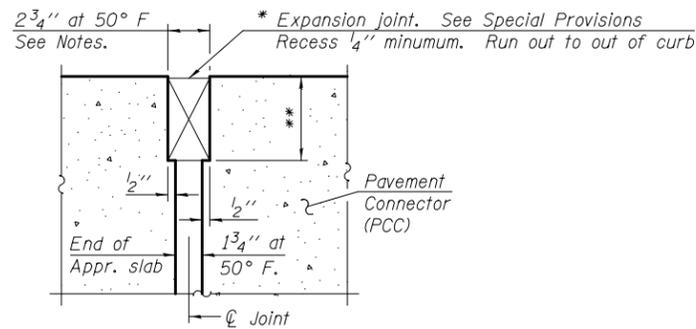
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet of .
 For railing details, see sheet of .



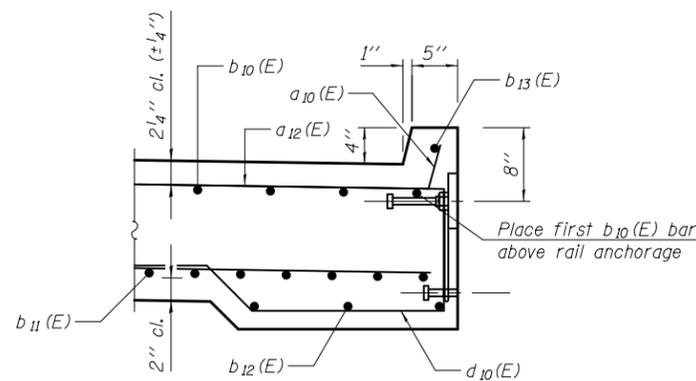
SECTION A-A



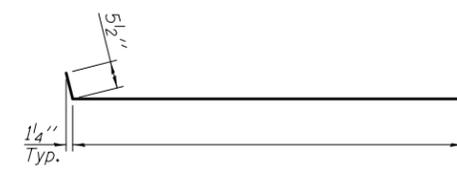
BAR d₁₀(E)



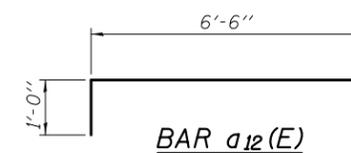
DETAIL A



SECTION B-B



BAR a₁₀(E)



BAR a₁₂(E)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₁₀ (E)	92	#5		
a ₁₁ (E)	120	#8		
a ₁₂ (E)	92	#5	7'-6"	
b ₁₀ (E)		#5	29'-8"	
b ₁₁ (E)		#9	29'-8"	
b ₁₂ (E)	12	#5	13'-8"	
b ₁₃ (E)	4	#4	29'-8"	
d ₁₀ (E)	64	#5	4'-8"	
t ₁₀ (E)		#4	9'-8"	
w ₁₀ (E)	80	#5		
Concrete Superstructure (Approach Slab)				Cu. Yd.
Concrete Structures				Cu. Yd.
Reinforcement Bars, Epoxy Coated				Pound

* Cost included with Concrete Superstructure (Approach Slab).

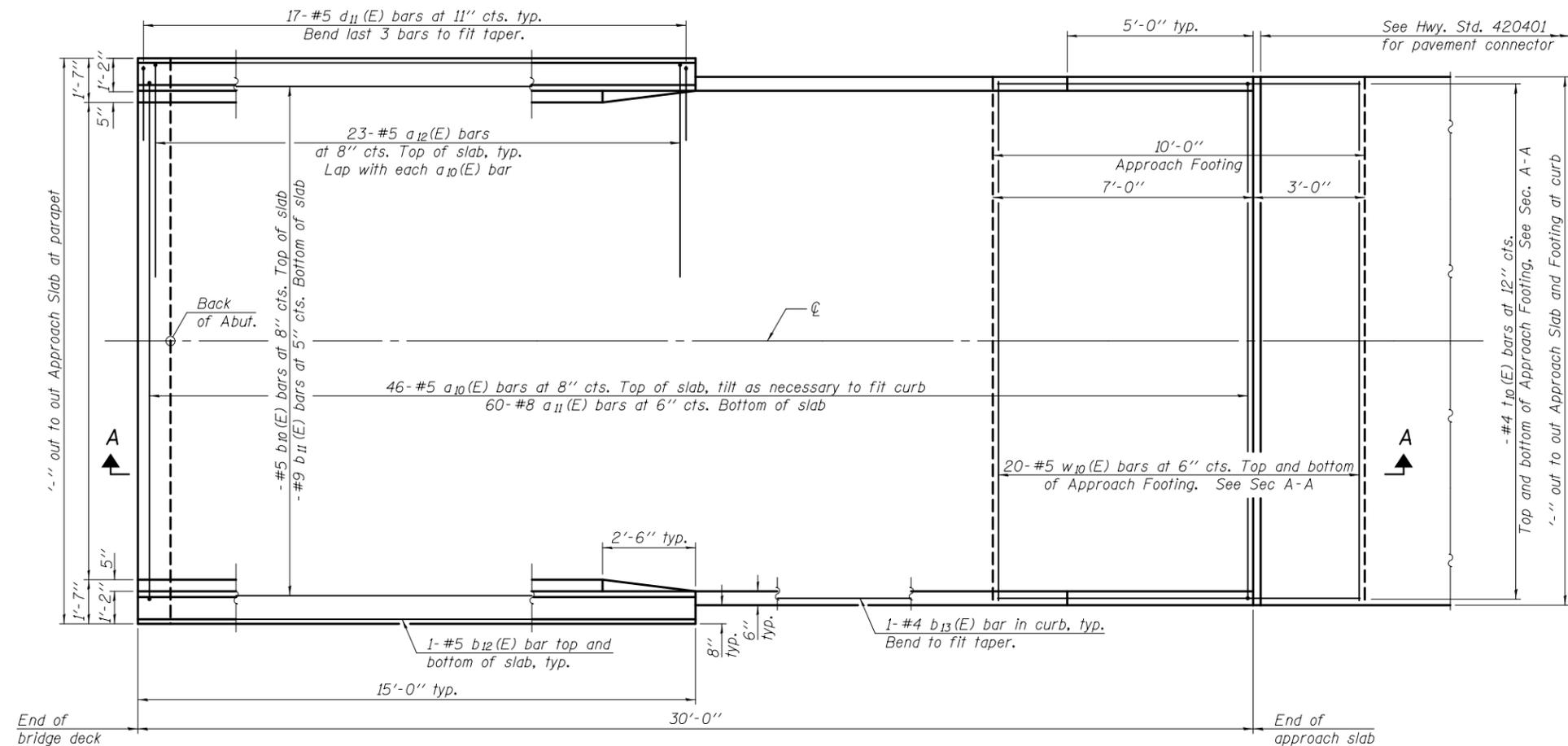
** Per manufacturer recommendations

BA-CIP-R34C-0

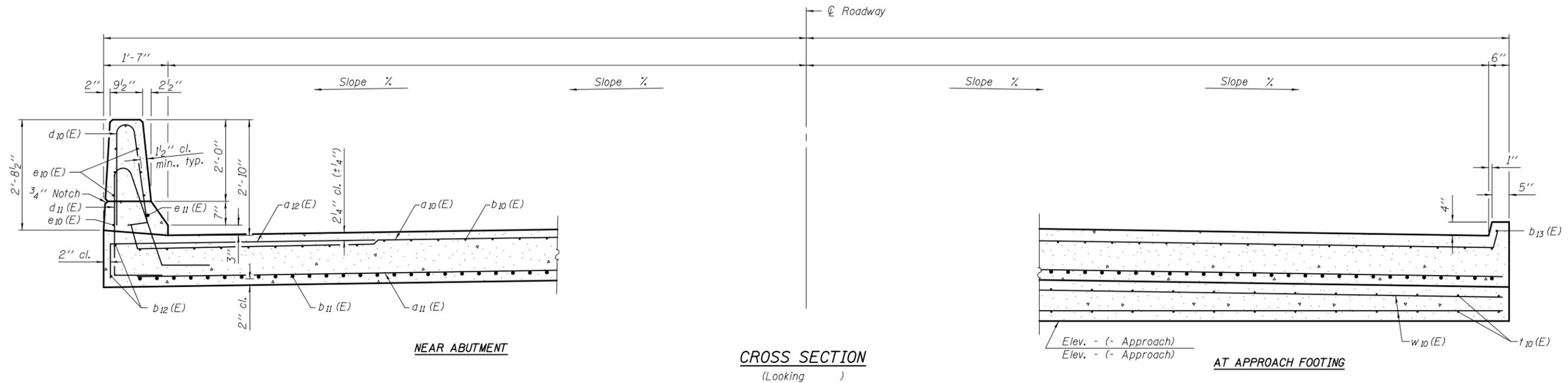
11-22-2016

(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISIONS -			CONTRACT NO.					
		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
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PLAN

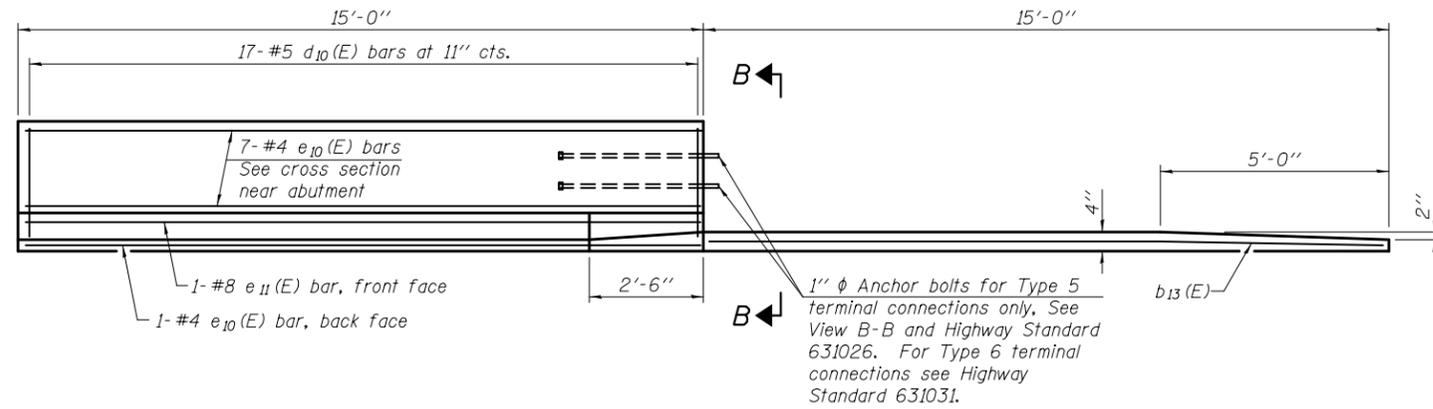


CROSS SECTION
(Looking)

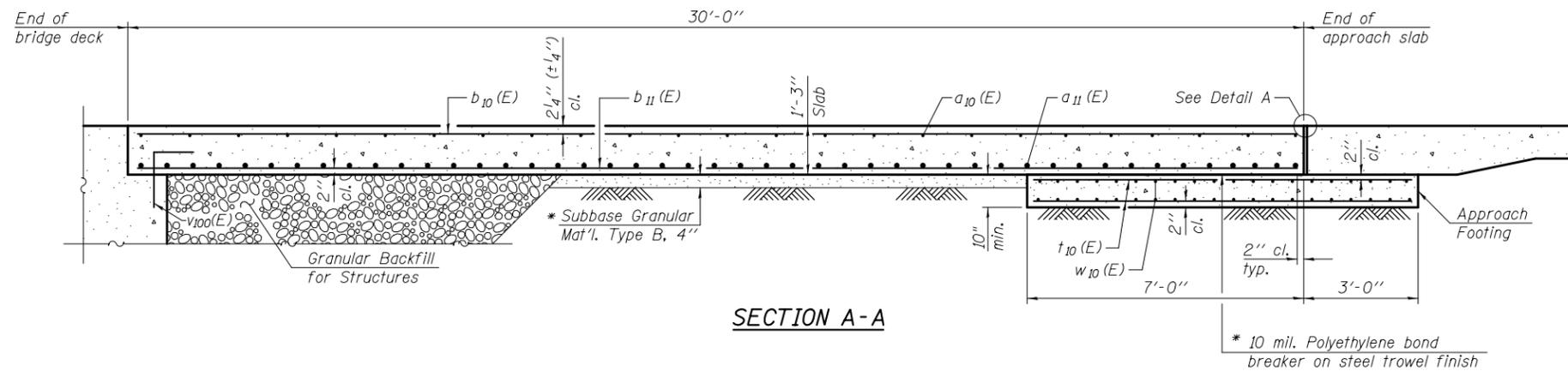
BAIA-CIP-34FS-0 11-22-2016

(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISD -								
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						CONTRACT NO.					
ILLINOIS FED. AID PROJECT											

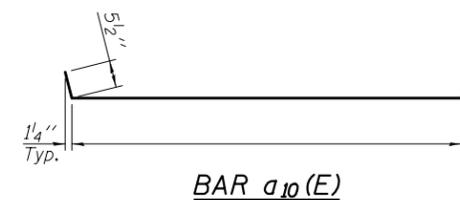
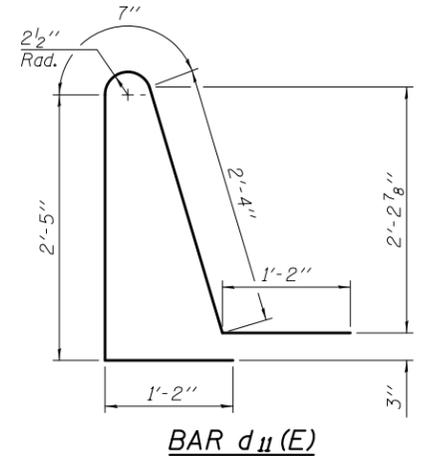
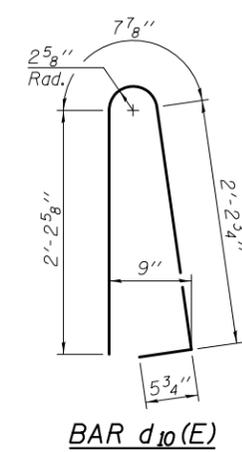


INSIDE ELEVATION OF PARAPET AND CURB

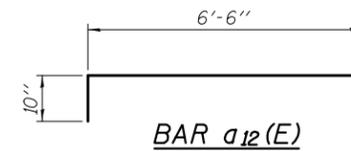


SECTION A-A

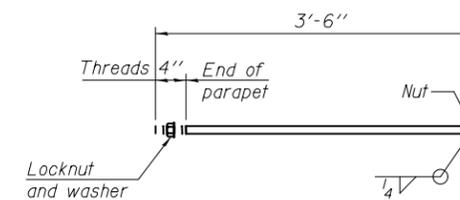
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet of .



BAR a10(E)



BAR a12(E)

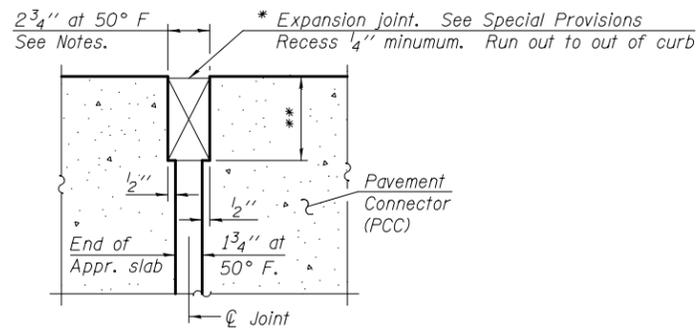


***1" ANCHOR BOLT**

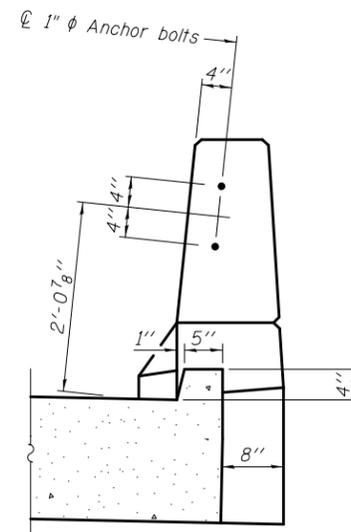
(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	92	#5		
a11(E)	120	#8		
a12(E)	92	#5	7'-4"	
b10(E)		#5	29'-8"	
b11(E)		#9	29'-8"	
b12(E)	8	#5	14'-8"	
b13(E)	4	#4	14'-8"	
d10(E)	68	#5	5'-7"	
d11(E)	68	#5	7'-8"	
e10(E)	32	#4	14'-8"	
e11(E)	4	#8	14'-8"	
t10(E)		#4	9'-8"	
w10(E)	80	#5		
			Cu. Yd.	
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	



DETAIL A



VIEW B-B

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

BAIA-CIP-34FS-0 11-22-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

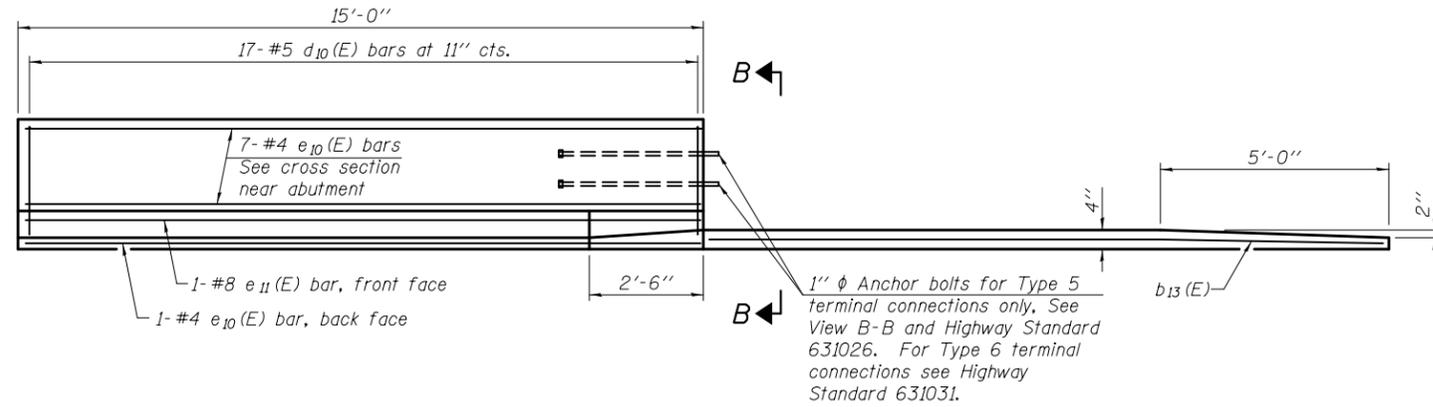
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO.

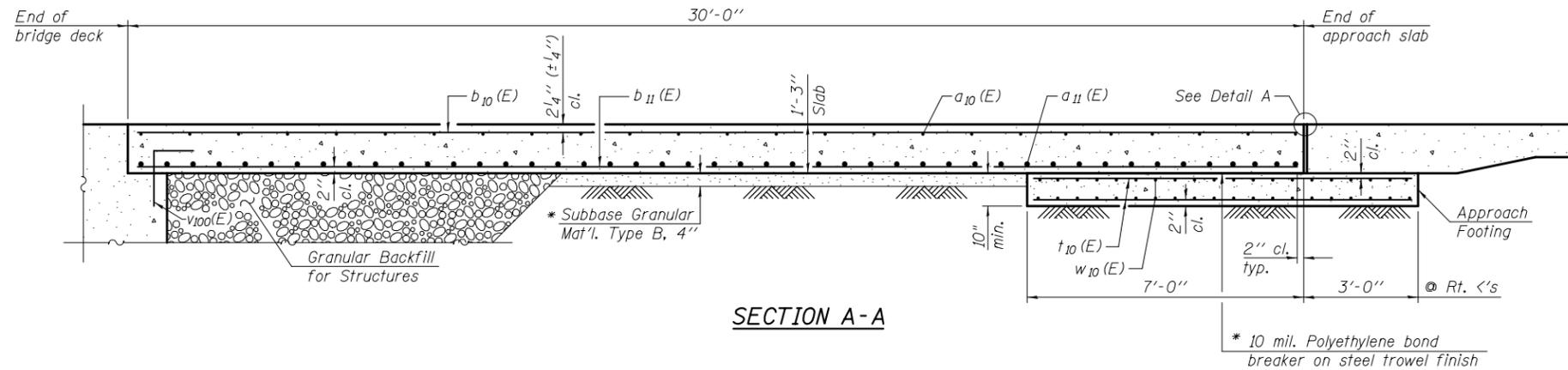
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

(Sheet 2 of 2)

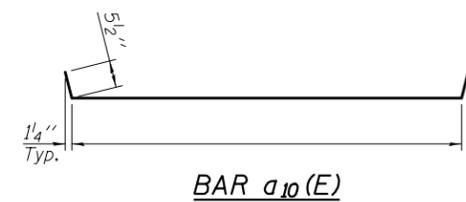
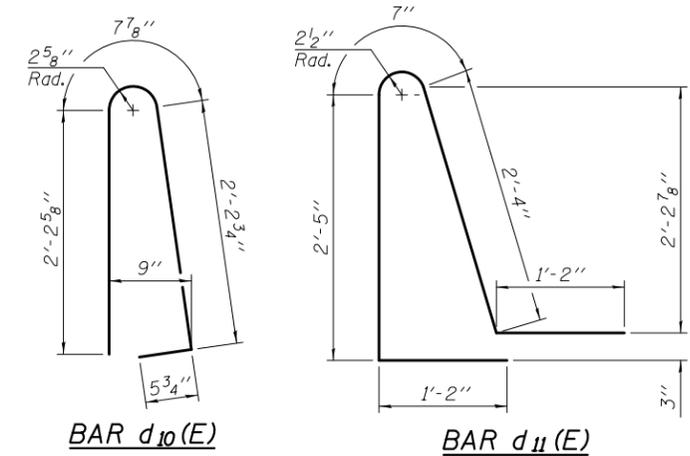
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet of .



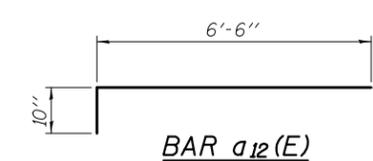
INSIDE ELEVATION OF PARAPET AND CURB



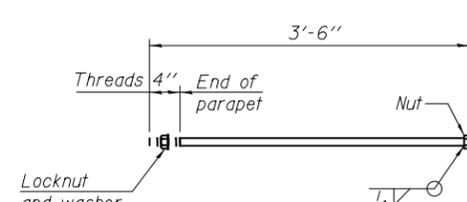
SECTION A-A



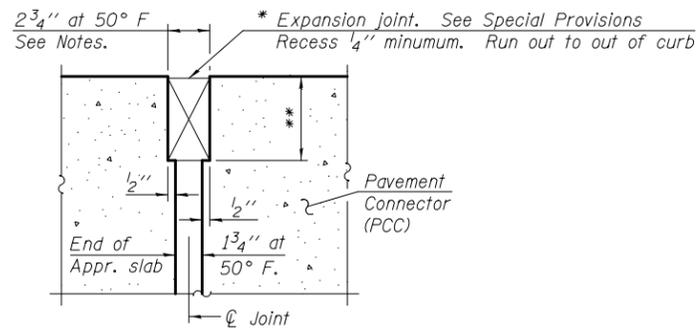
BAR a10(E)



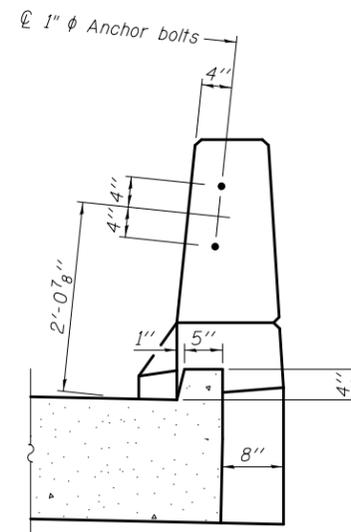
BAR a12(E)



***1" diameter ANCHOR BOLT**
 (Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)



DETAIL A
 (© Rt. <'s)



VIEW B-B

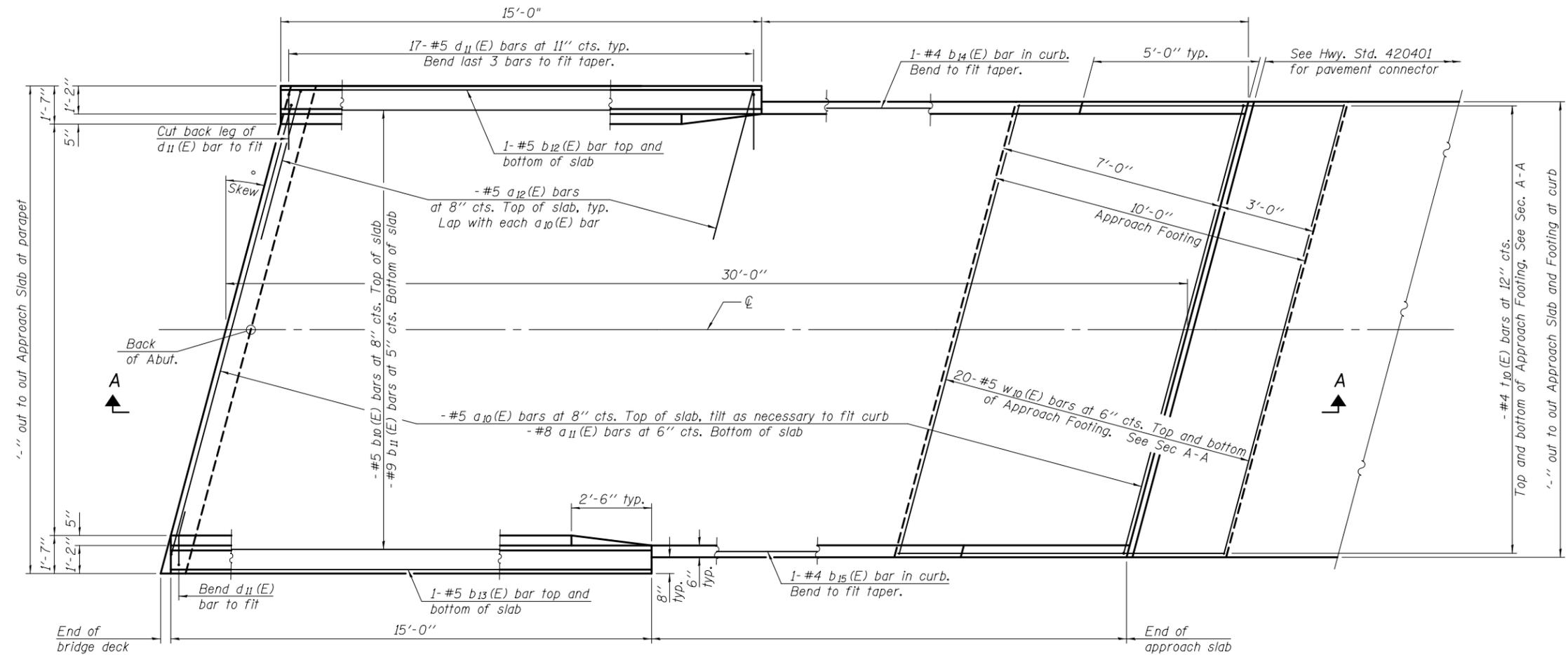
**TWO APPROACHES
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)		#5		
a11(E)		#8		
a12(E)		#5	7'-4"	
b10(E)		#5	29'-8"	
b11(E)		#9	29'-8"	
b12(E)	4	#5		
b13(E)	4	#5		
b14(E)	2	#4		
b15(E)	2	#4		
d10(E)	68	#5	5'-7"	
d11(E)	68	#5	7'-8"	
e10(E)	32	#4	14'-8"	
e11(E)	4	#8	14'-8"	
t10(E)		#4		
w10(E)	80	#5		
			Cu. Yd.	
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	

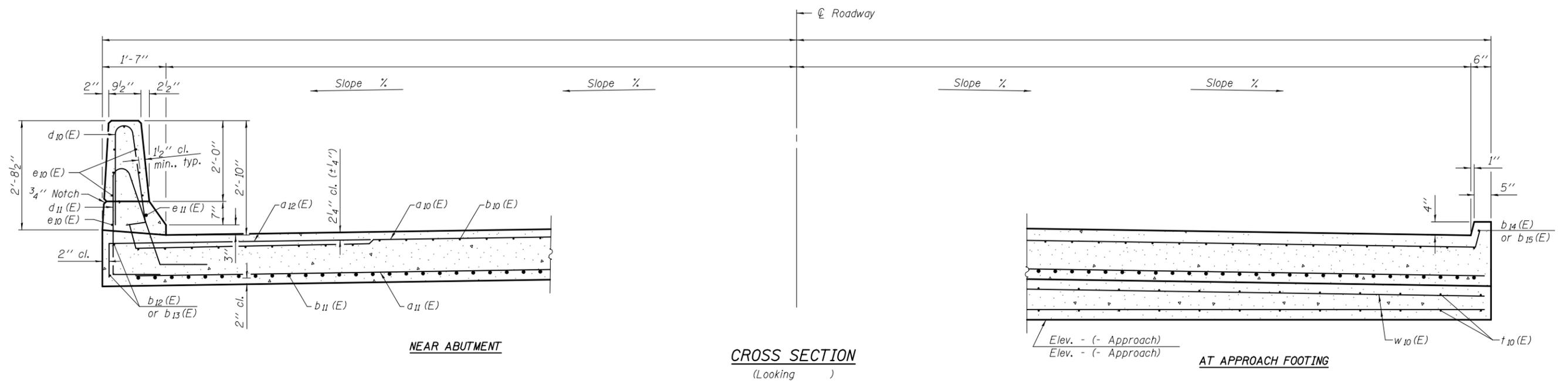
* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations

BAIA-CIP-34FS-L(>30°) 11-22-2016

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIONS -								



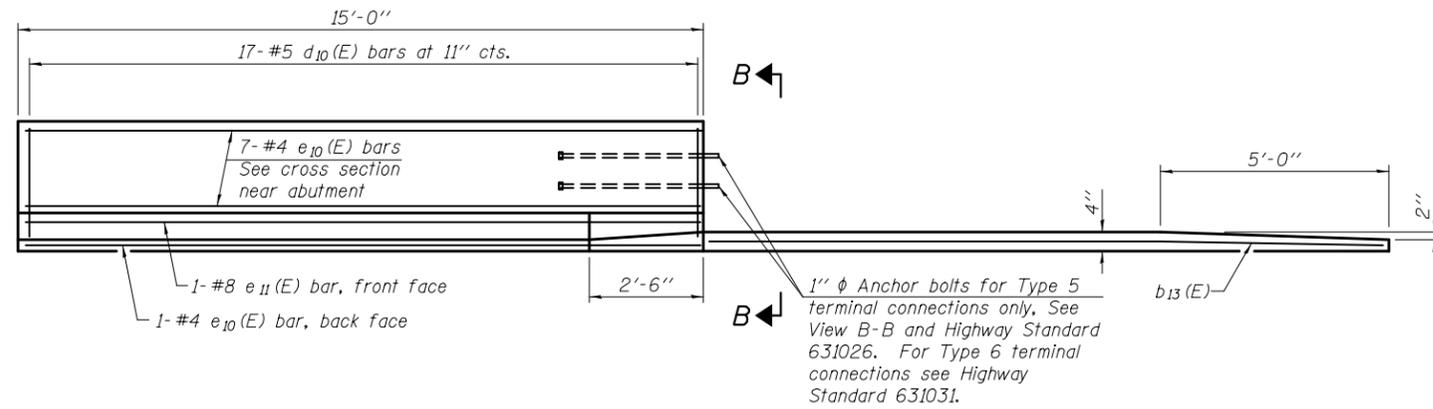
PLAN



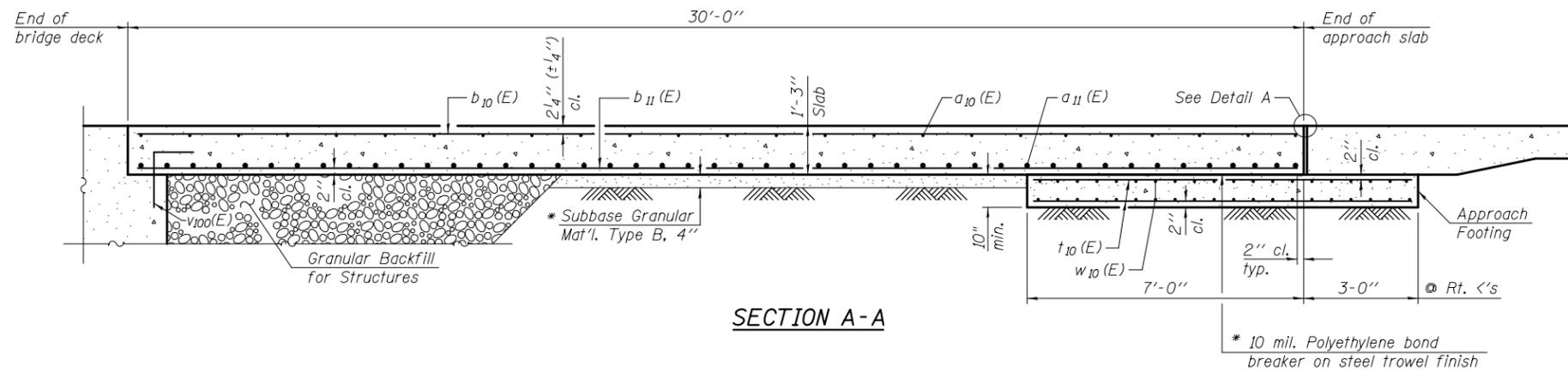
BAIA-CIP-34FS-L($\leq 30^\circ$) 11-22-2016

(Sheet 1 of 2)

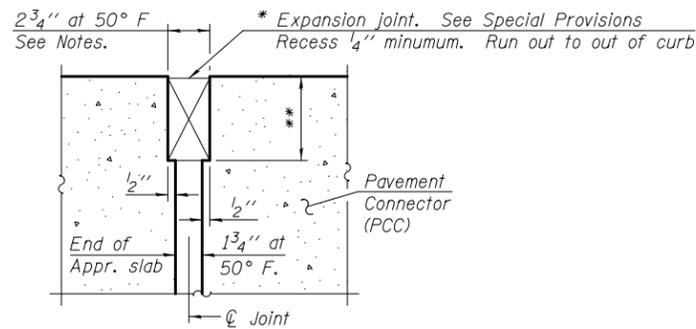
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		DRAWN -	REVISD -			CONTRACT NO.					
		CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT					



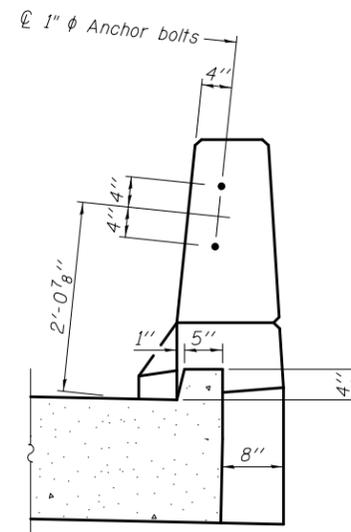
INSIDE ELEVATION OF PARAPET AND CURB



SECTION A-A



DETAIL A
(@ Rt. <'s)



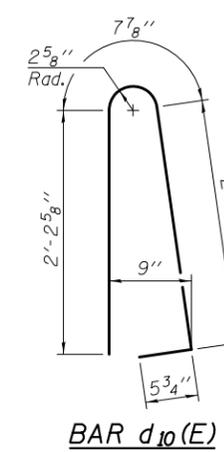
VIEW B-B

Notes:

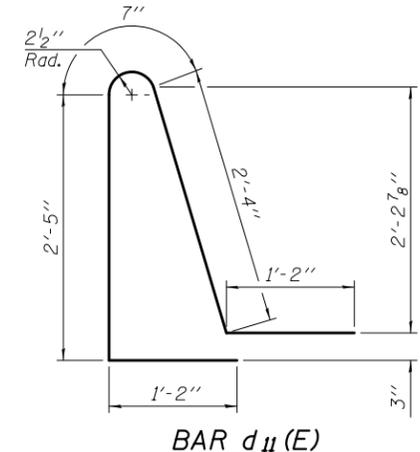
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

Parapet concrete shall be paid for as Concrete Superstructure. Approach slab shall be paid for as Concrete Superstructure (Approach Slab). Approach footing concrete shall be paid for as Concrete Structures.

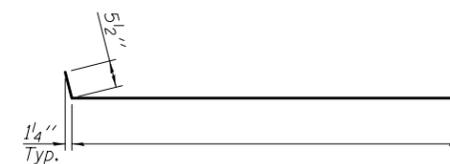
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf. Cost of excavation for approach footing included with Concrete Structures. For Granular Backfill for Structures and drainage treatment details, see sheet of .



BAR d₁₀(E)



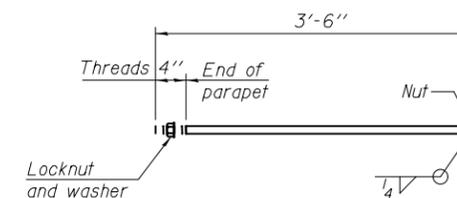
BAR d₁₁(E)



BAR a₁₀(E)



BAR a₁₂(E)



***1" diameter ANCHOR BOLT**

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₁₀ (E)		#5		—
a ₁₁ (E)		#8		—
a ₁₂ (E)		#5	7'-4"	—
b ₁₀ (E)		#5	29'-8"	—
b ₁₁ (E)		#9	29'-8"	—
b ₁₂ (E)	4	#5		—
b ₁₃ (E)	4	#5		—
b ₁₄ (E)	2	#4		—
b ₁₅ (E)	2	#4		—
d ₁₀ (E)	68	#5	5'-7"	U
d ₁₁ (E)	68	#5	7'-8"	U
e ₁₀ (E)	32	#4	14'-8"	—
e ₁₁ (E)	4	#8	14'-8"	—
t ₁₀ (E)		#4		—
w ₁₀ (E)	80	#5		—
			Cu. Yd.	
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	

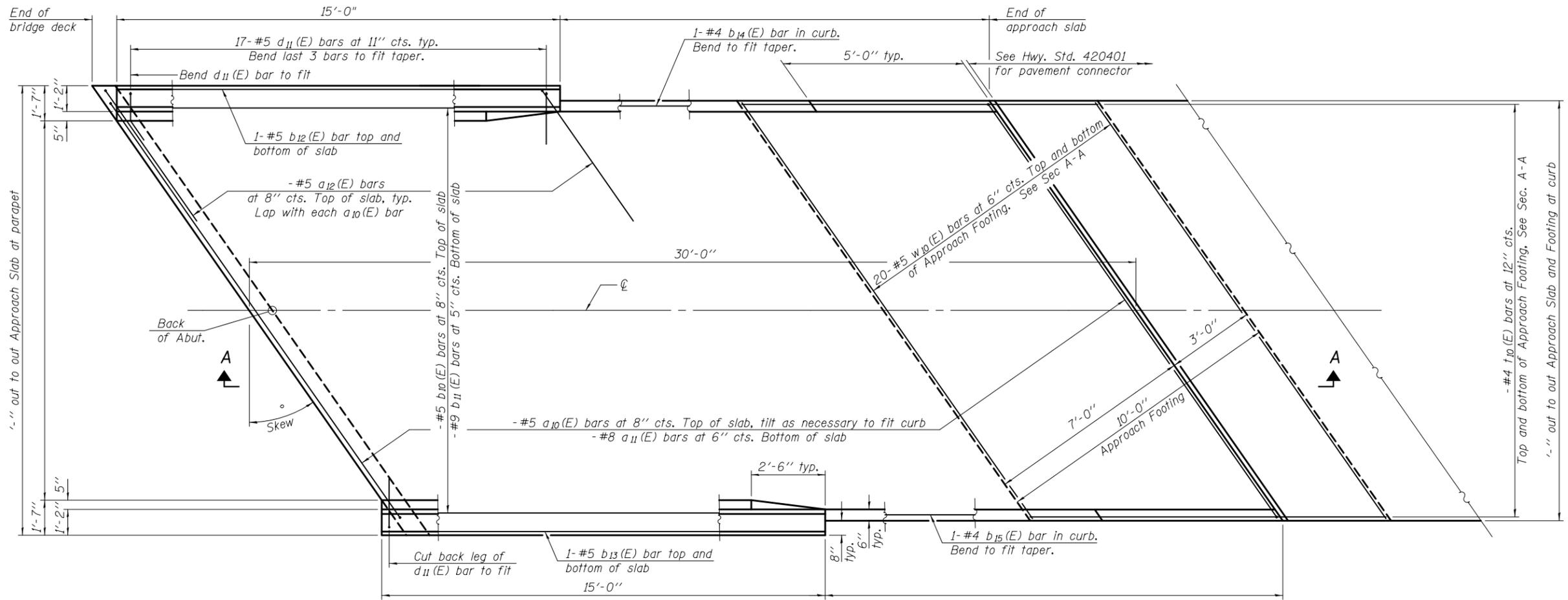
* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

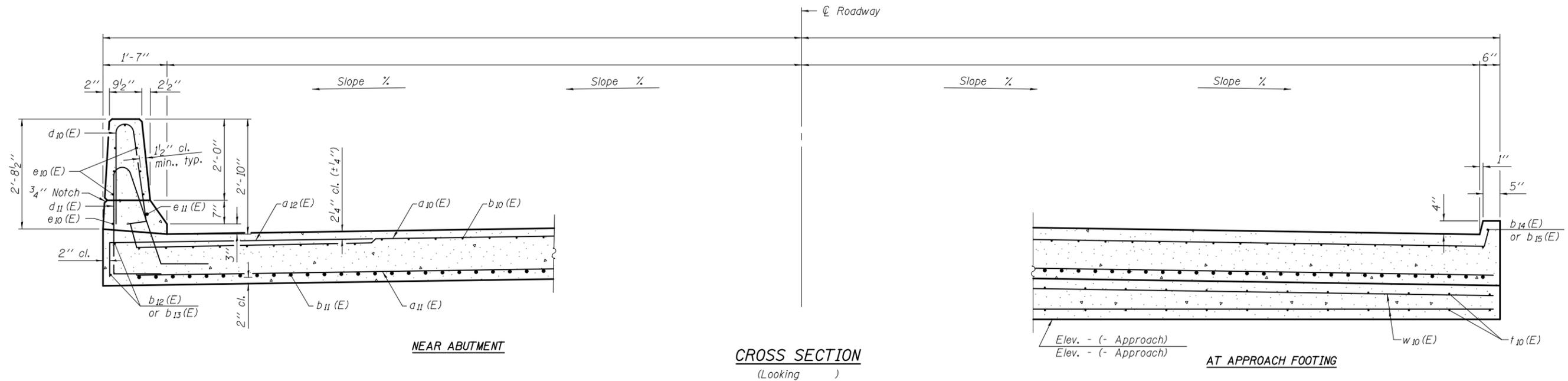
BAIA-CIP-34FS-L(30°) 11-22-2016

(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISIONS -			CONTRACT NO.					
		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIONS -								



PLAN



NEAR ABUTMENT

CROSS SECTION
(Looking)

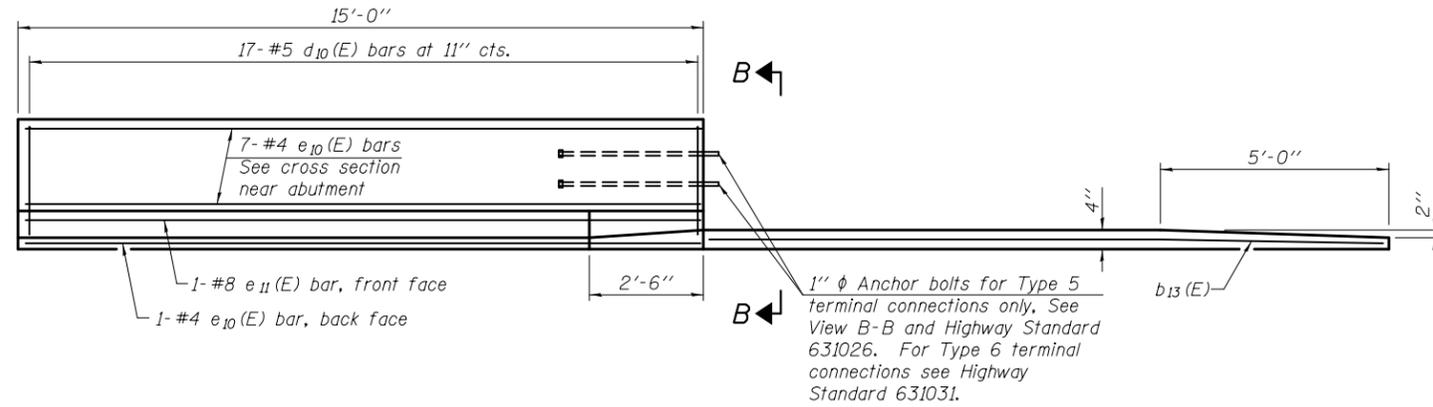
AT APPROACH FOOTING

BAIA-CIP-34FS-R(>30°) 11-22-2016

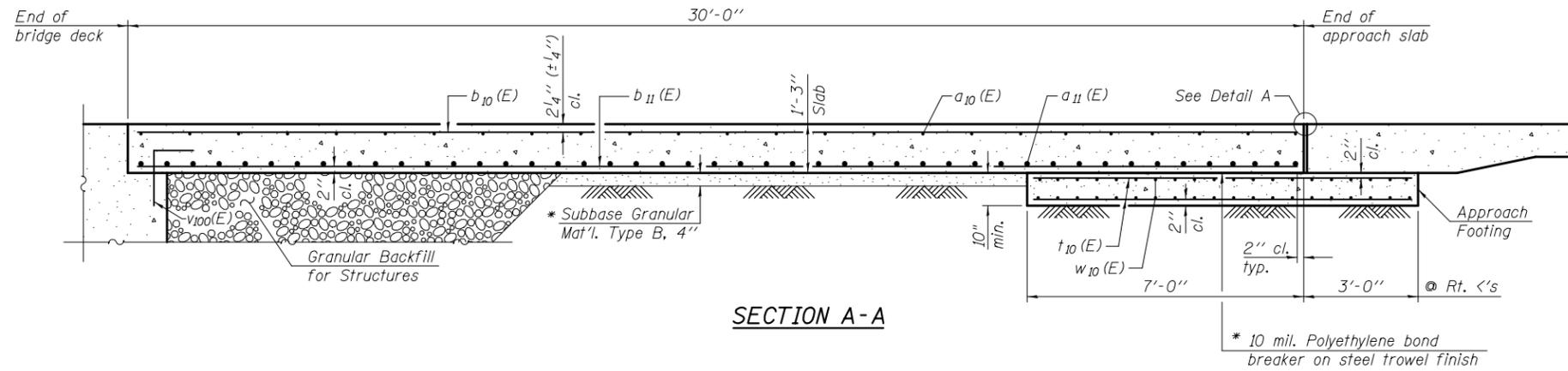
(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -	REVISED -								
	PLOT DATE =	DRAWN -	REVISED -			CONTRACT NO.					
		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					

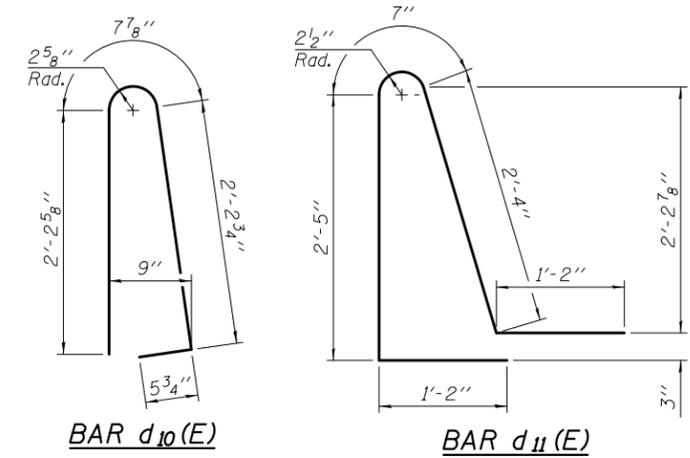
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet of .



INSIDE ELEVATION OF PARAPET AND CURB



SECTION A-A

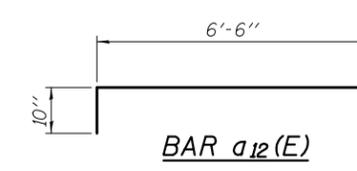


BAR d10(E)

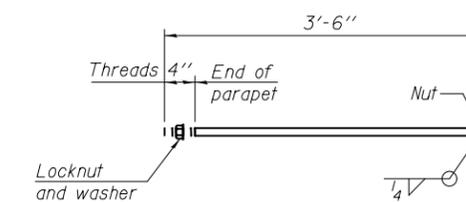
BAR d11(E)



BAR a10(E)

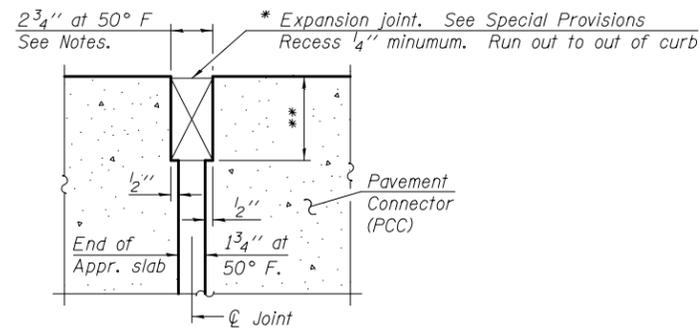


BAR a12(E)



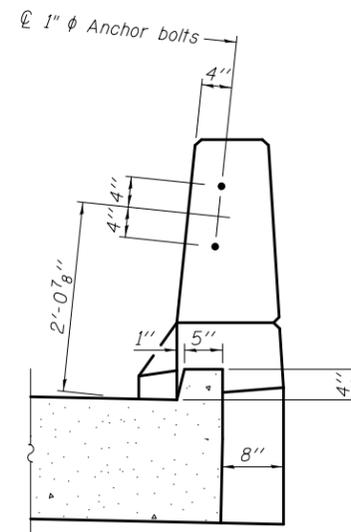
*1" diameter ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)



DETAIL A

(@ Rt. <'s)



VIEW B-B

TWO APPROACHES
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)		#5		—
a11(E)		#8		—
a12(E)		#5	7'-4"	—
b10(E)		#5	29'-8"	—
b11(E)		#9	29'-8"	—
b12(E)	4	#5		—
b13(E)	4	#5		—
b14(E)	2	#4		—
b15(E)	2	#4		—
d10(E)	68	#5	5'-7"	U
d11(E)	68	#5	7'-8"	U
e10(E)	32	#4	14'-8"	—
e11(E)	4	#8	14'-8"	—
t10(E)		#4		—
w10(E)	80	#5		—
			Cu. Yd.	
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	

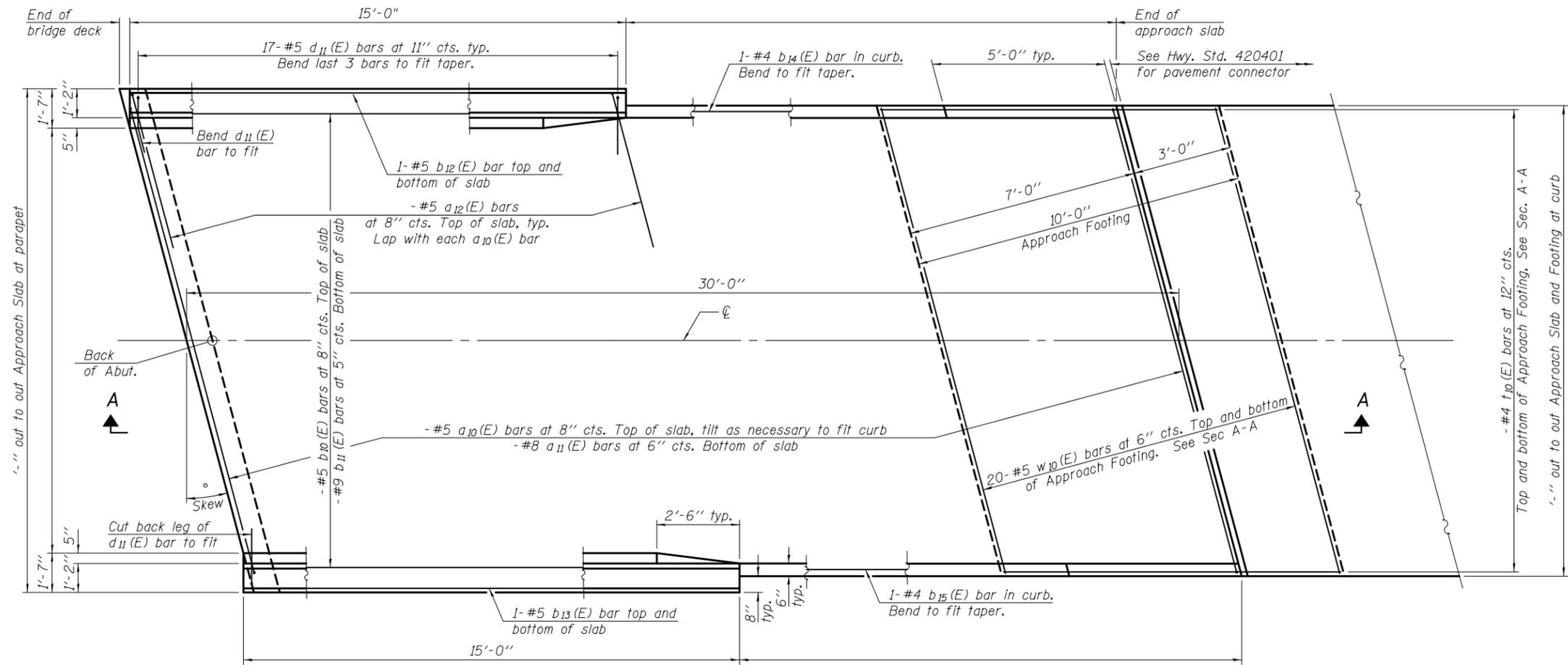
* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

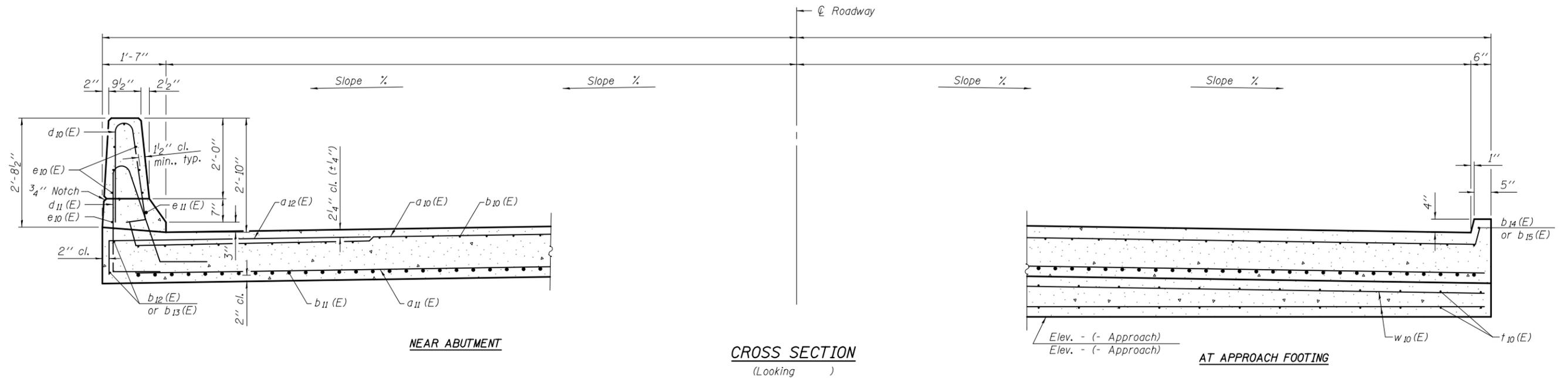
BAIA-CIP-34FS-R(>30°) 11-22-2016

(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISIONS -			CONTRACT NO.					
		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIONS -								



PLAN



BAIA-CIP-34FS-R(30°) 11-22-2016

(Sheet 1 of 2)

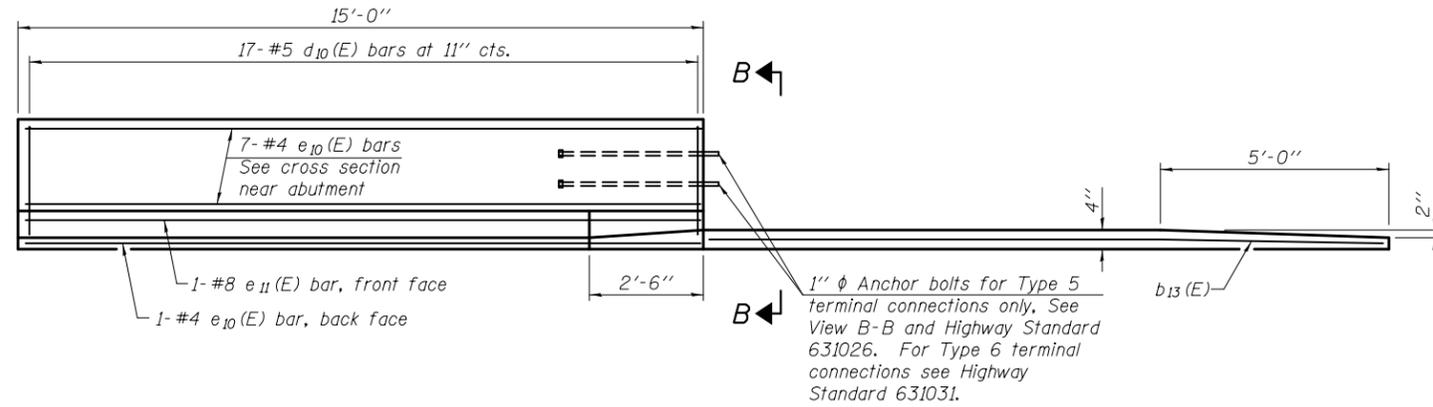
FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -	REVISD -								
	PLOT DATE =	DRAWN -	REVISD -			CONTRACT NO.					
		CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT					

Notes:

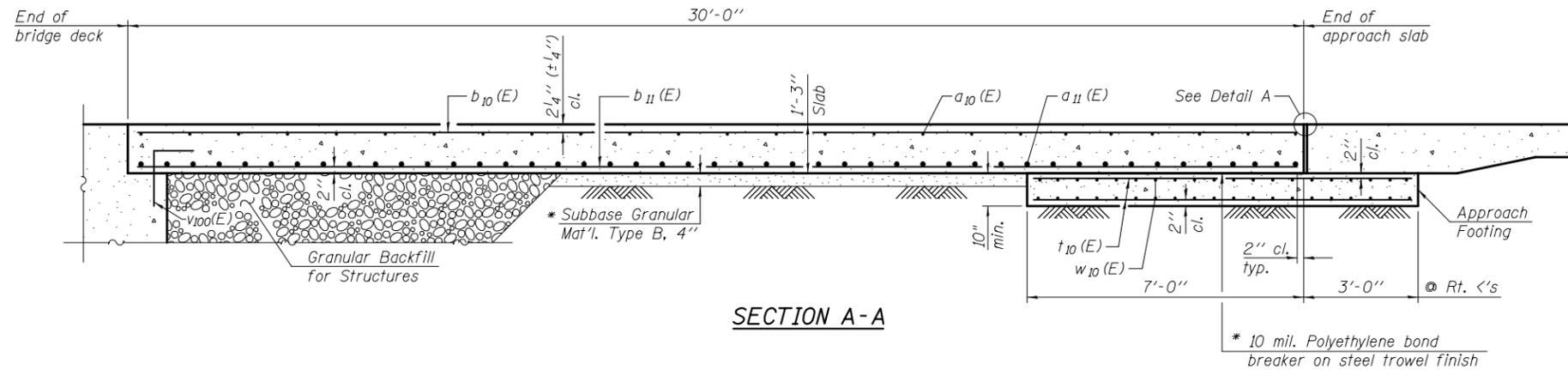
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

Parapet concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.

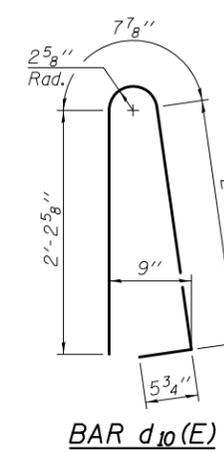
The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet of .



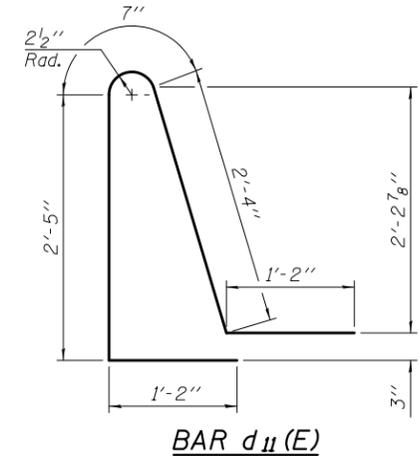
INSIDE ELEVATION OF PARAPET AND CURB



SECTION A-A



BAR d10(E)



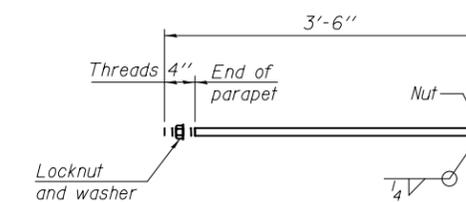
BAR d11(E)



BAR a10(E)

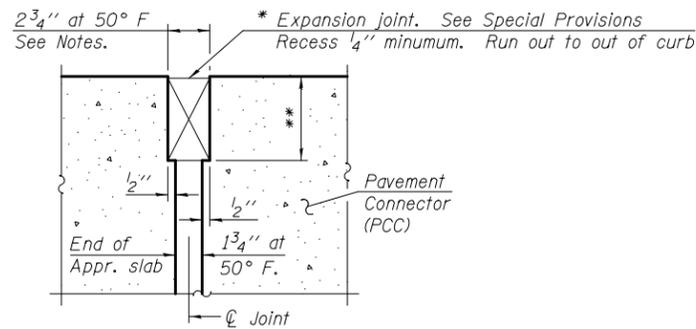


BAR a12(E)



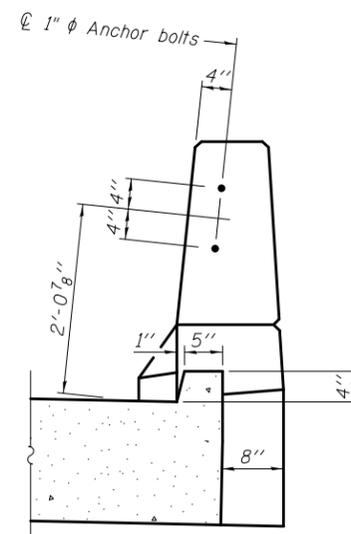
*1" diameter ANCHOR BOLT

(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)



DETAIL A

(@ Rt. <'s)



VIEW B-B

TWO APPROACHES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)		#5		—
a11(E)		#8		—
a12(E)		#5	7'-4"	—
b10(E)		#5	29'-8"	—
b11(E)		#9	29'-8"	—
b12(E)	4	#5		—
b13(E)	4	#5		—
b14(E)	2	#4		—
b15(E)	2	#4		—
d10(E)	68	#5	5'-7"	U
d11(E)	68	#5	7'-8"	U
e10(E)	32	#4	14'-8"	—
e11(E)	4	#8	14'-8"	—
t10(E)		#4		—
w10(E)	80	#5		—
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	

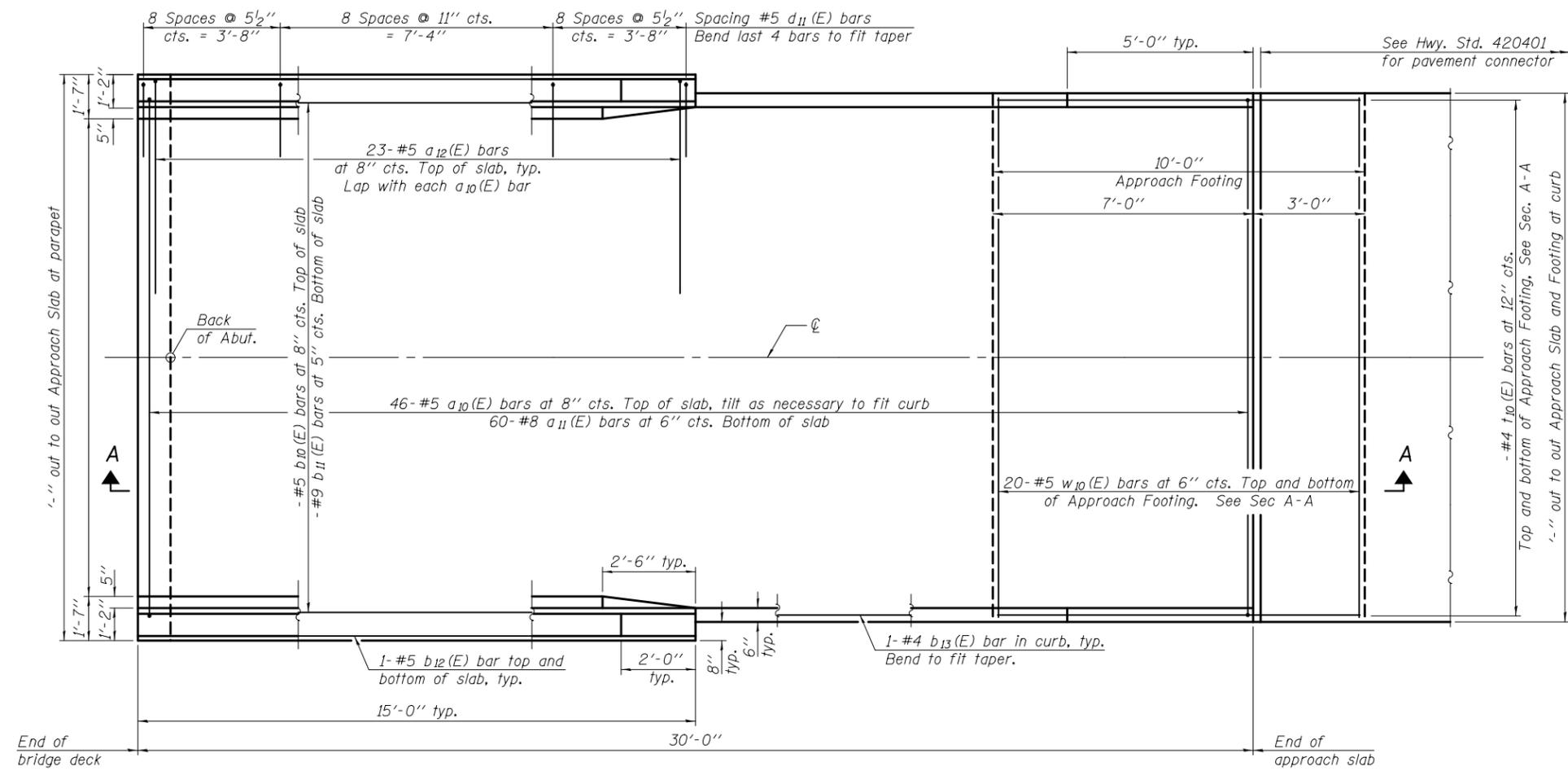
* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

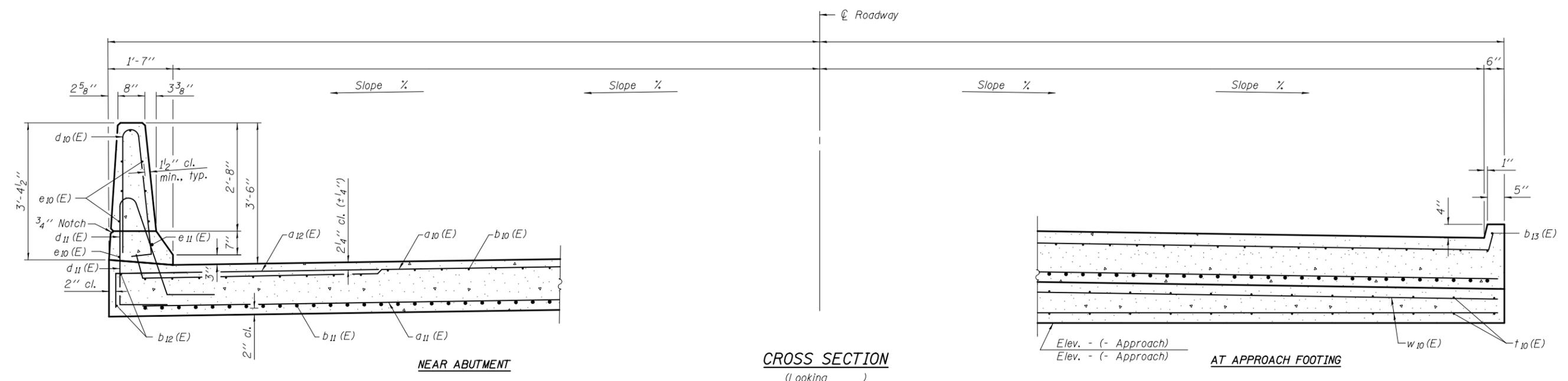
BAIA-CIP-34FS-R(30°) 11-22-2016

(Sheet 2 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISIONS -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISIONS -			CONTRACT NO.					
		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIONS -								



PLAN

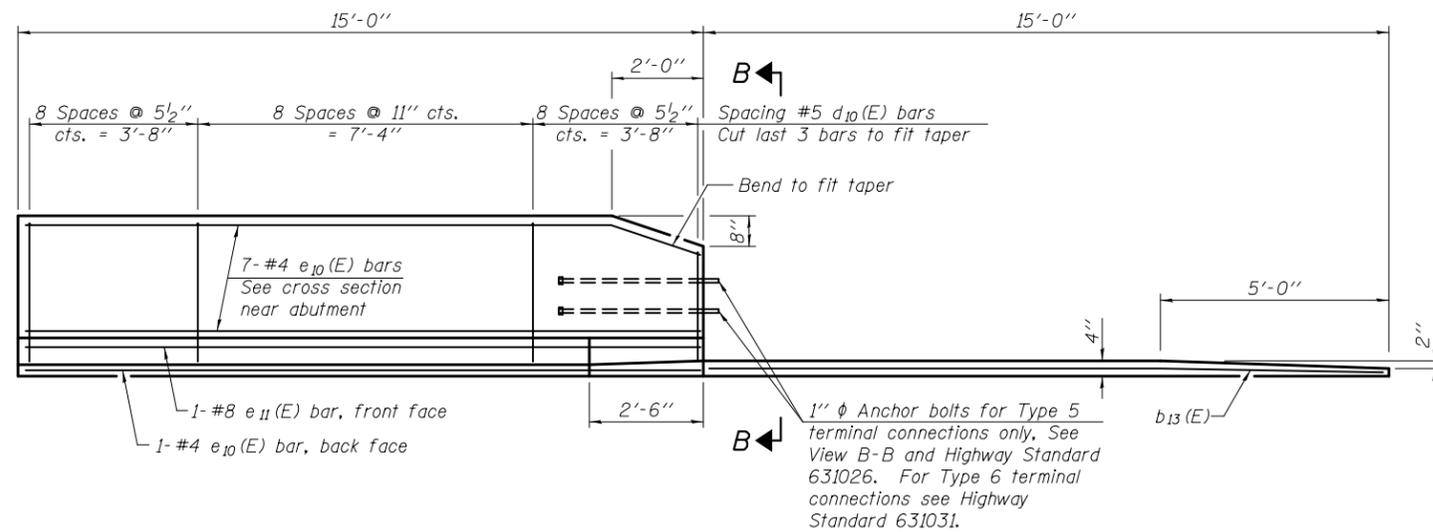


CROSS SECTION
(Looking)

BAIA-CIP-42FS-0 11-22-2016

(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD -								
		DRAWN -	REVISD -			CONTRACT NO.					
		CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT					



INSIDE ELEVATION OF PARAPET AND CURB

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach pavement.

Parapet concrete shall be paid for as Concrete Superstructure.

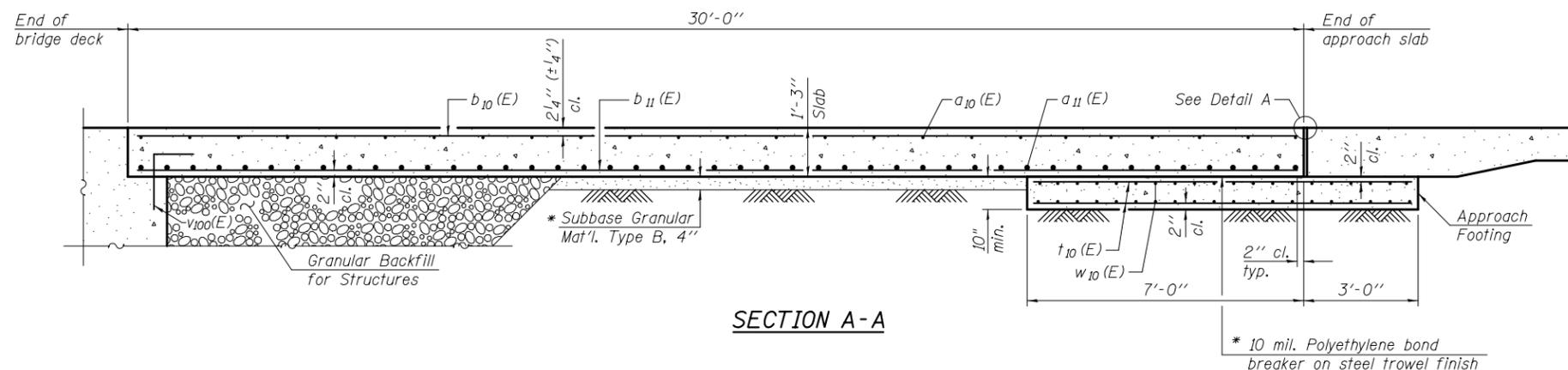
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).

Approach footing concrete shall be paid for as Concrete Structures.

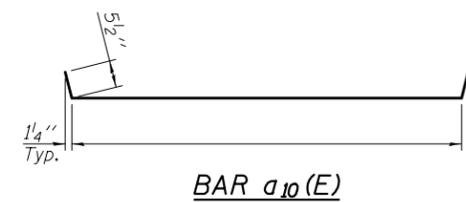
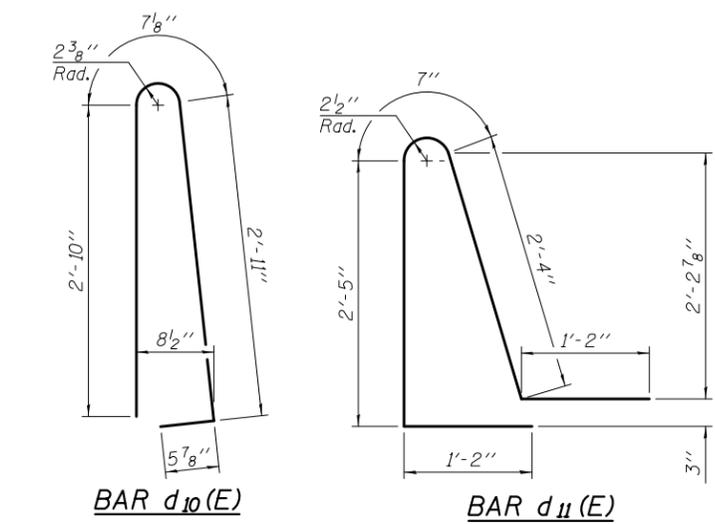
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

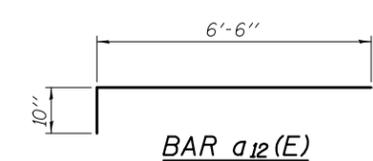
For Granular Backfill for Structures and drainage treatment details, see sheet of .



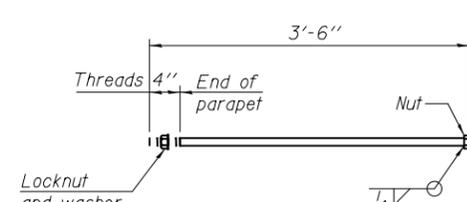
SECTION A-A



BAR a10(E)



BAR a12(E)

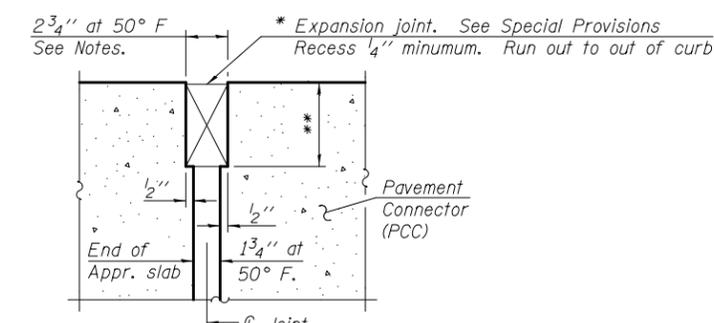


***1" ANCHOR BOLT**

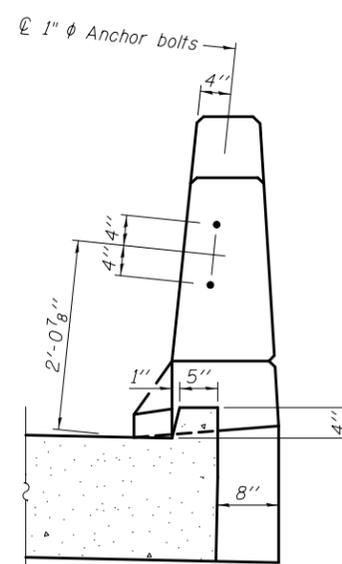
(Anchor bolt assemblies shall be galvanized according to Article 1006.09 of the Standard Specifications)

**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	92	#5		—
a11(E)	120	#8		—
a12(E)	92	#5	7'-4"	—
b10(E)		#5	29'-8"	—
b11(E)		#9	29'-8"	—
b12(E)	8	#5	14'-8"	—
b13(E)	4	#4	14'-8"	—
d10(E)	100	#5	6'-10"	U
d11(E)	100	#5	7'-8"	U
e10(E)	32	#4	14'-8"	—
e11(E)	4	#8	14'-8"	—
t10(E)		#4	9'-8"	—
w10(E)	80	#5		—
Concrete Superstructure			Cu. Yd.	
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	



DETAIL A

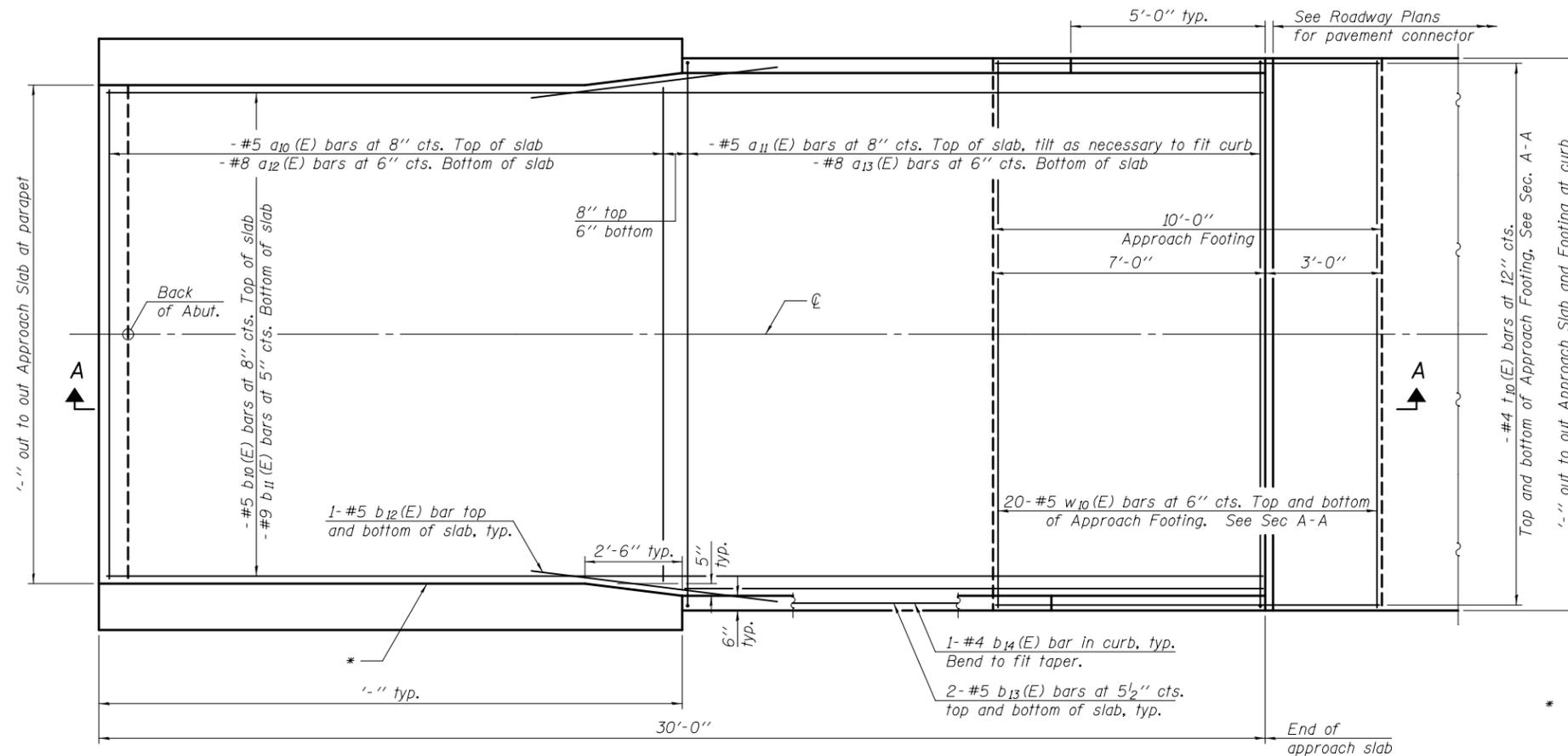


VIEW B-B

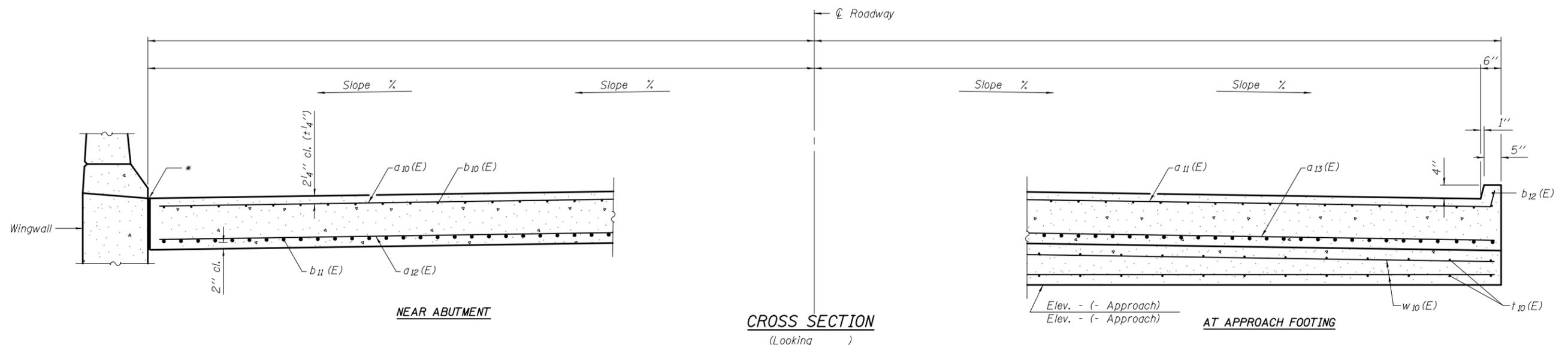
* Cost included with Concrete Superstructure (Approach Slab).
** Per manufacturer recommendations

BAIA-CIP-42FS-0 11-22-2016

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		CHECKED -	REVISIONS -			CONTRACT NO.					
		DRAWN -	REVISIONS -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISIONS -								



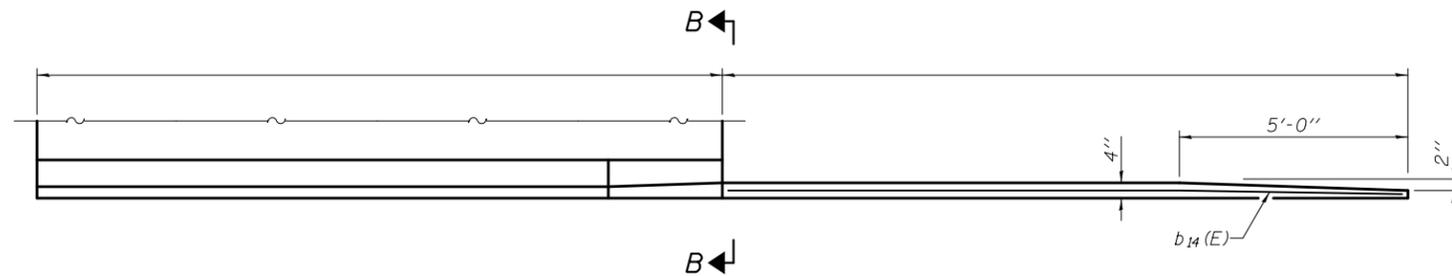
* Prefomed Expansion Joint Filler according to Article 1051.09 of the Standard Specifications; full depth of slab, full length of parapet. Typ. each parapet.



BASA-CIP-FS-0 11-22-2016

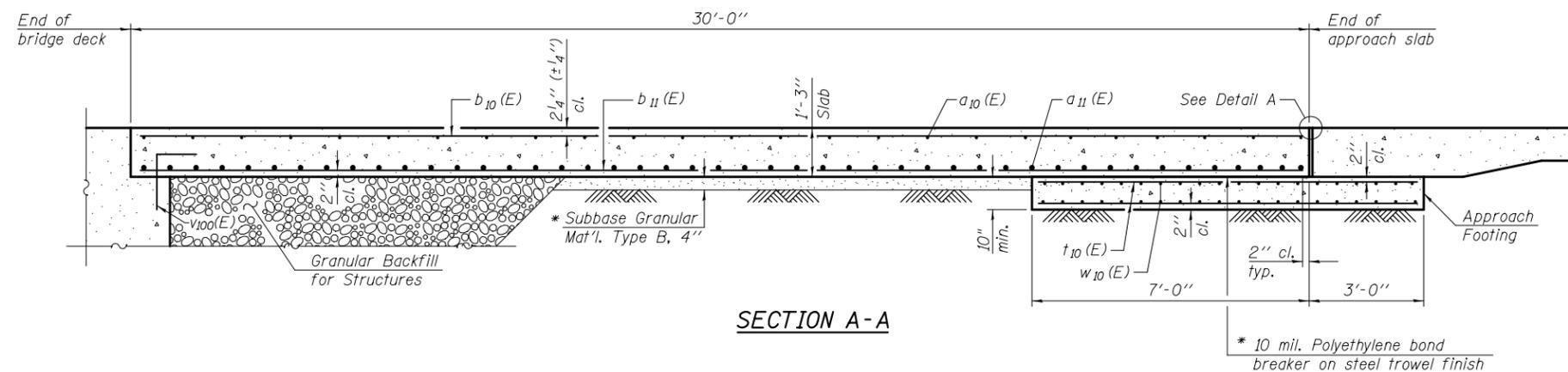
(Sheet 1 of 2)

FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE APPROACH SLAB DETAILS STRUCTURE NO.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		DRAWN -	REVISD -			ILLINOIS FED. AID PROJECT					
		CHECKED -	REVISD -								

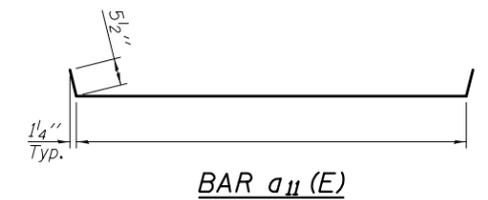


INSIDE ELEVATION OF PARAPET AND CURB

Notes:
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet of .

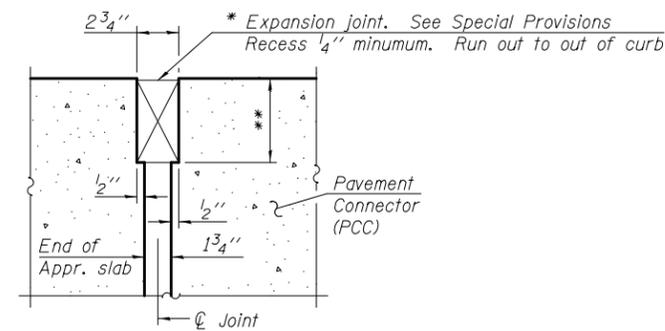


SECTION A-A



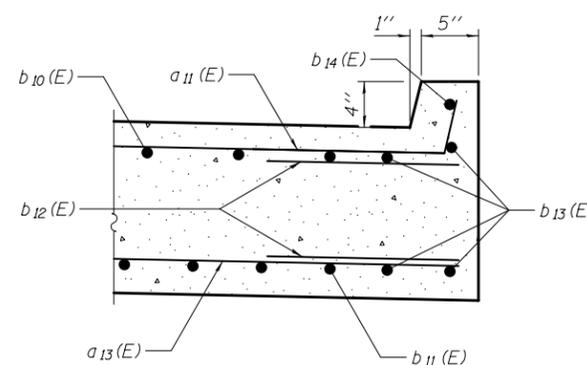
**TWO APPROACHES
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₁₀ (E)		#5		
a ₁₁ (E)		#5		
a ₁₂ (E)		#8		
a ₁₃ (E)		#8		
b ₁₀ (E)		#5	29'-8"	
b ₁₁ (E)		#9	29'-8"	
b ₁₂ (E)	8	#5	8'-6"	
b ₁₃ (E)	16	#5		
b ₁₄ (E)	4	#4		
t ₁₀ (E)		#4	9'-8"	
w ₁₀ (E)	80	#5		
Concrete Superstructure (Approach Slab)			Cu. Yd.	
Concrete Structures			Cu. Yd.	
Reinforcement Bars, Epoxy Coated			Pound	



DETAIL A

(Detail A shown, applies to Highway Standard 420401 only. Detail A for pavement connector (HMA) may be found on Highway Standard 420406.)



SECTION B-B

* Cost included with Concrete Superstructure (Approach Slab).

** Per manufacturer recommendations

BASA-CIP-FS-0 11-22-2016

(Sheet 2 of 2)

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		CHECKED -	REVISIONS -								
		DRAWN -	REVISIONS -			CONTRACT NO.					
		CHECKED -	REVISIONS -			ILLINOIS FED. AID PROJECT					