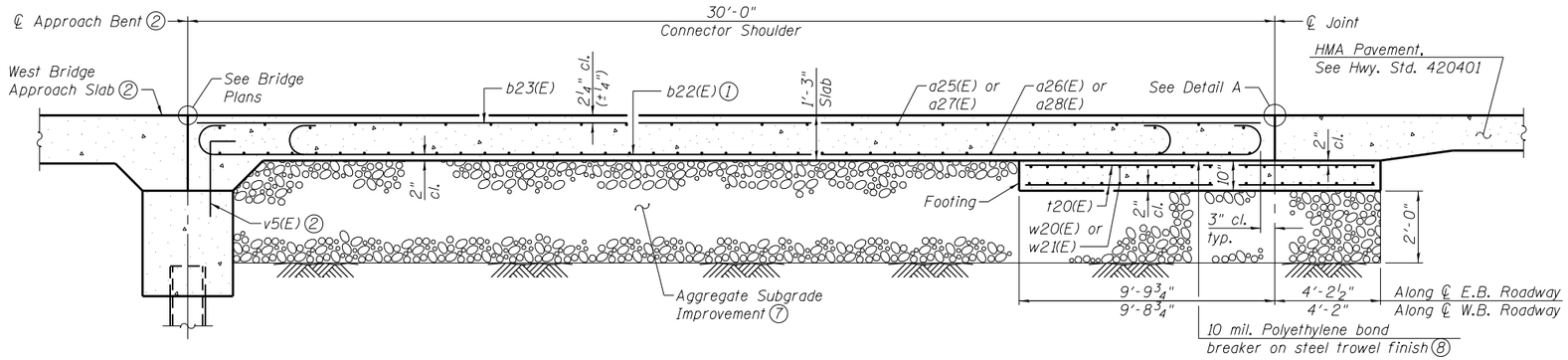
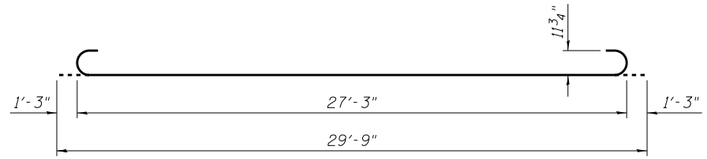
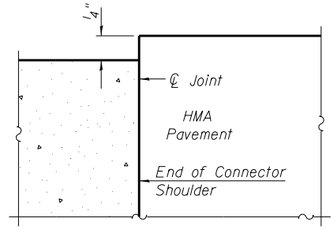


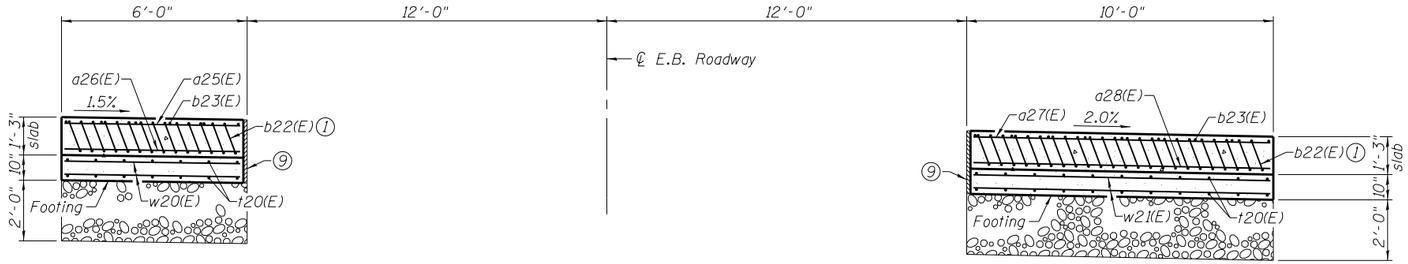
SECTION C-C



BAR b22(E)

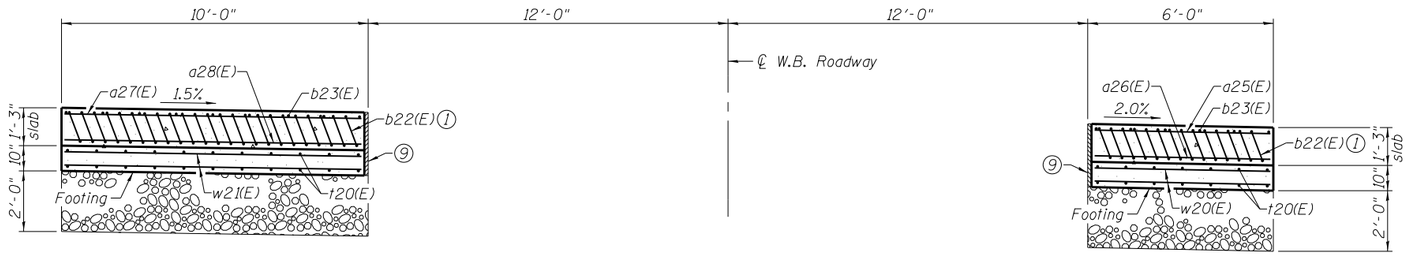


DETAIL A



SECTION D-D

(Showing footing)



SECTION E-E

(Showing footing)

FOUR SHOULDERS BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
	a25(E)	50	#4	7'-11"	
	a26(E)	92	#5	7'-11"	
	a27(E)	50	#4	13'-5"	
	a28(E)	92	#5	13'-5"	
	b22(E)	76	#9	29'-9"	
	b23(E)	30	#4	29'-8"	
	t20(E)	72	#4	13'-5"	
	w20(E)	80	#5	7'-11"	
	w21(E)	80	#5	13'-5"	
	Aggregate Subgrade Improvement		Cu. Yd.	94	
	Removal and Disposal of Unsuitable Material for Structures		Cu. Yd.	107	
	Concrete Structures		Cu. Yd.	13.8	
	Concrete Superstructure		Cu. Yd.	47.1	
(11)	Reinforcement Bars, Epoxy Coated		Pound	13,470	

Notes:
(1) Tilt #9 b22(E) bars as required to maintain clearance.
(2) For Approach Bent and West Bridge Approach Slab details, see Bridge Plans.
(3) Connector Shoulder concrete shall be paid for as Concrete Superstructure.
(4) Footing concrete shall be paid for as Concrete Structures.
(5) Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
(6) The footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
(7) Quantity of Aggregate Subgrade Improvement is based on the depth shown and the horizontal limits of the connector shoulder. Actual depth to be determined by the Engineer based on conditions encountered in the field. Excavation shall be paid for as Removal and Disposal of Unsuitable Material for Structures. For additional requirements, see Special Provisions.
(8) Cost included with Concrete Superstructure.
(9) Flexible foam expansion joint filler. Cost included with Concrete Superstructure. See Plan on sheets 3 and 4 of 5.
(10) Reinforcement bars designated (E) shall be epoxy coated.
(11) Calculated weight of Reinforcement Bars, Epoxy Coated = 11,040 pounds (Superstructure)
2,430 pounds (Substructure)

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USER NAME =	DESIGNED - JAD	REVISED -	
	CHECKED - SJN	REVISED -	
PLOT SCALE =	DRAWN - JAD	REVISED -	
PLOT DATE =	CHECKED - SJN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONNECTOR SHOULDER DETAILS

SHEET NO. 5 OF 5 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	(06-2)BR-3,4	BUREAU	133	92
		CONTRACT NO. 66998		
	ILLINOIS FED. AID PROJECT			