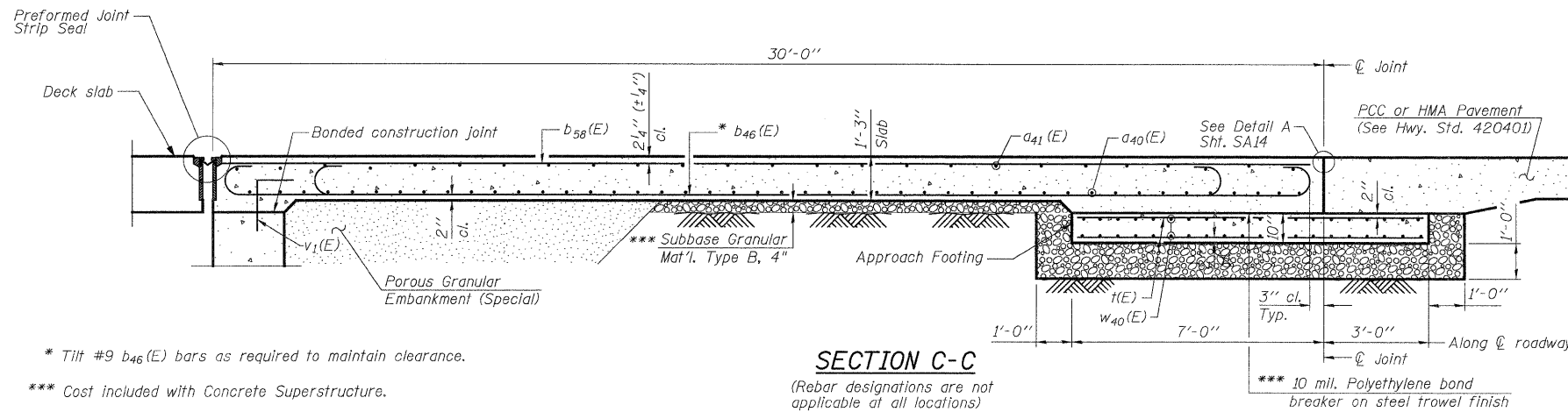


**EAST APPROACH SLAB
BILL OF MATERIAL**

**WEST APPROACH SLAB
BILL OF MATERIAL**



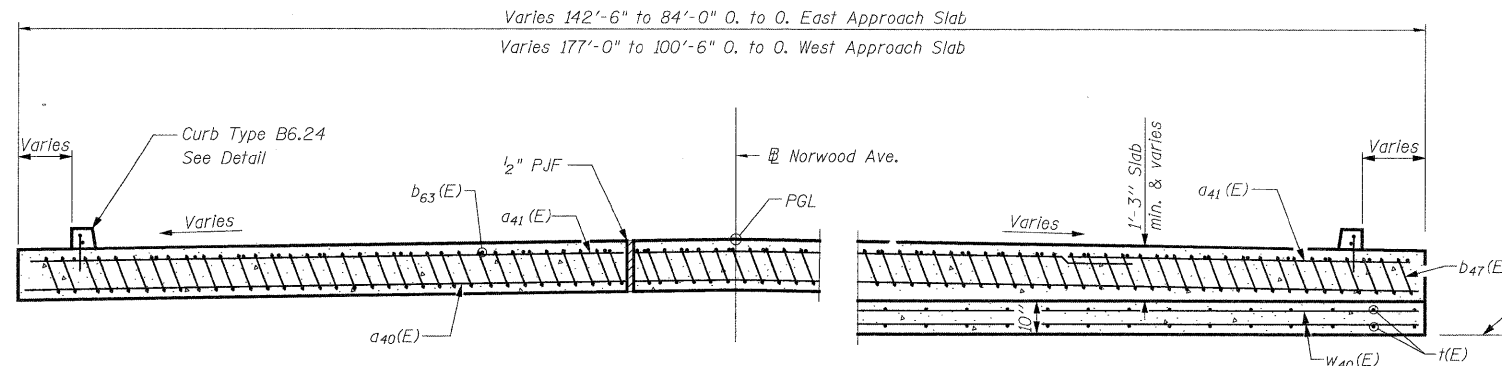
* Tilt #9 b₄₆(E) bars as required to maintain clearance.
*** Cost included with Concrete Superstructure.

EAST

Bar	"L"
b39(E)	39'-3"
b40(E)	37'-9"
b41(E)	34'-9"
b42(E)	33'-3"
b43(E)	31'-9"
b44(E)	36'-3"
b45(E)	30'-3"
b46(E)	28'-9"
b47(E)	43'-5"
b48(E)	36'-7"
b49(E)	29'-0"
b50(E)	20'-5"
b51(E)	11'-10"
b52(E)	34'-0"
b53(E)	32'-10"
b54(E)	34'-10"
b55(E)	27'-9"
b56(E)	20'-7"
b57(E)	13'-4"

Bar	No.	Size	Length	Shape
a40(E)	254	#5	26'-6"	
a41(E)	136	#4	26'-7"	
b39(E)	5	#9	41'-9"	
b40(E)	28	#9	40'-3"	
b41(E)	32	#9	37'-3"	
b42(E)	34	#9	35'-9"	
b43(E)	40	#9	34'-3"	
b44(E)	28	#9	38'-9"	
b45(E)	50	#9	32'-9"	
b46(E)	112	#9	31'-3"	
b47(E)	3	#9	44'-8"	
b48(E)	2	#9	36'-7"	
b49(E)	2	#9	30'-3"	
b50(E)	2	#9	21'-8"	
b51(E)	1	#9	13'-1"	
b52(E)	2	#9	36'-6"	
b53(E)	2	#9	35'-4"	
b54(E)	2	#9	36'-1"	
b55(E)	2	#9	29'-0"	
b56(E)	2	#9	21'-10"	
b57(E)	1	#9	14'-7"	
b58(E)	56	#4	20'-10"	
b59(E)	4	#4	23'-6"	
b61(E)	34	#4	18'-10"	
b62(E)	14	#4	22'-0"	
b63(E)	112	#4	17'-10"	
b64(E)	7	#4	15'-3"	
b74(E)	7	#4	18'-3"	
b200(E)	4	#4	28'-0"	
d (E)	85	#4	1'-6"	
t(E)	188	#4	9'-8"	
w40(E)	160	#5	26'-0"	
Concrete Superstructure	Cu. Yd.		175.7	
Concrete Structures	Cu. Yd.		28.8	
Reinforcement Bars, Epoxy Coated	Pound		58,890	
Protective Coat	Sq. Yd.		405	
Bridge Deck Grooving	Sq. Yd.		391	

Bar	No.	Size	Length	Shape
a42(E)	208	#5	30'-0"	
a43(E)	54	#5	24'-3"	
a44(E)	110	#4	30'-0"	
a45(E)	36	#4	24'-7"	
b38(E)	13	#9	42'-6"	
b80(E)	68	#9	30'-2"	
b81(E)	66	#9	31'-8"	
b82(E)	47	#9	33'-6"	
b83(E)	19	#9	34'-9"	
b84(E)	20	#9	35'-2"	
b85(E)	17	#9	36'-4"	
b86(E)	17	#9	36'-7"	
b87(E)	15	#9	37'-10"	
b88(E)	15	#9	38'-1"	
b89(E)	15	#9	39'-5"	
b90(E)	15	#9	39'-8"	
b91(E)	14	#9	40'-11"	
b92(E)	14	#9	41'-3"	
b93(E)	13	#9	42'-10"	
b94(E)	17	#9	44'-1"	
b95(E)	18	#9	44'-6"	
b100(E)	1	#9	41'-10"	
b101(E)	1	#9	40'-3"	
b102(E)	1	#9	33'-8"	
b103(E)	1	#9	31'-2"	
b104(E)	1	#9	41'-3"	
b105(E)	1	#9	21'-2"	
b106(E)	1	#9	13'-8"	
b107(E)	1	#9	11'-2"	
b108(E)	1	#9	45'-8"	
b109(E)	1	#9	45'-0"	
b110(E)	1	#9	39'-4"	
b111(E)	1	#9	38'-0"	
b112(E)	1	#9	31'-6"	
b113(E)	1	#9	29'-11"	
b114(E)	1	#9	23'-5"	
b115(E)	1	#9	21'-10"	
b116(E)	1	#9	15'-3"	
b117(E)	1	#9	13'-9"	
b120(E)	56	#4	24'-0"	
b121(E)	20	#4	22'-6"	
b122(E)	44	#4	20'-10"	
b123(E)	60	#4	19'-3"	
b124(E)	88	#4	17'-6"	
b125(E)	14	#4	25'-7"	
b200(E)	4	#4	28'-0"	
d (E)	103	#4	1'-6"	
t(E)	220	#4	9'-8"	
w41(E)	160	#5	29'-9"	
Concrete Superstructure	Cu. Yd.		216.0	
Concrete Structures	Cu. Yd.		33.7	
Reinforcement Bars, Epoxy Coated	Pound		72,000	
Protective Coat	Sq. Yd.		490	
Bridge Deck Grooving	Sq. Yd.		473	

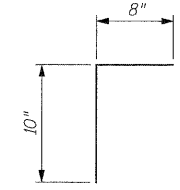


NEAR APPROACH BENT

SECTION D-D

AT APPROACH FOOTING

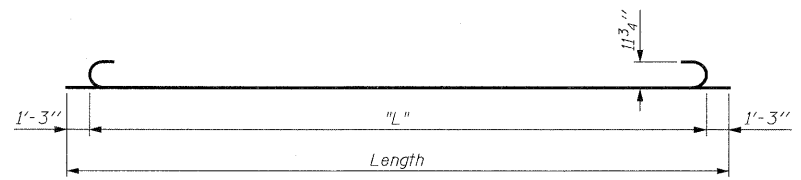
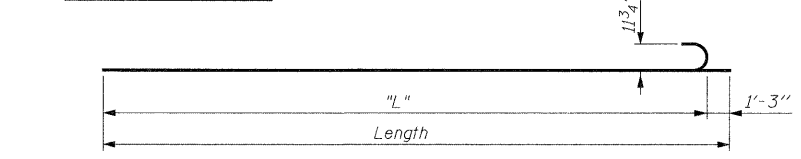
East Approach Elev. 713.70 (Level out-10-out)
West Approach sloped from Elev. 714.20 at North end to Elev. 713.00 at South end



TYP. LAP SPLICE

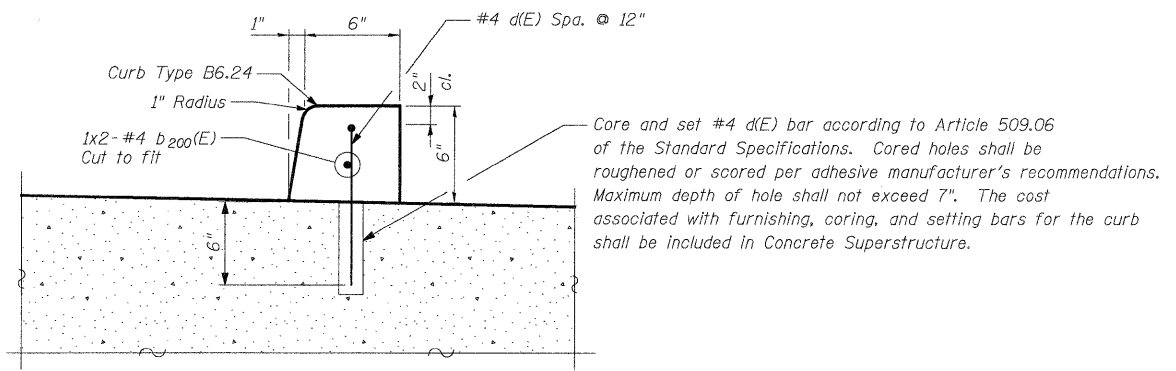
BAR SIZE	MIN. LAP
#4	2'-4"
#5	2'-7"

d(E) CURB BAR



WEST

Bar	"L"
b38(E)	40'-0"
b80(E)	27'-8"
b81(E)	29'-2"
b82(E)	31'-0"
b83(E)	32'-3"
b84(E)	32'-8"
b85(E)	33'-10"
b86(E)	34'-1"
b87(E)	35'-4"
b88(E)	35'-7"
b89(E)	36'-11"
b90(E)	37'-2"
b91(E)	38'-5"
b92(E)	38'-9"
b93(E)	40'-4"
b94(E)	41'-7"
b95(E)	42'-0"
b100(E)	40'-7"
b101(E)	39'-0"
b102(E)	32'-5"
b103(E)	29'-11"
b104(E)	22'-5"
b105(E)	19'-11"
b106(E)	12'-5"
b107(E)	9'-11"
b108(E)	44'-5"
b109(E)	43'-9"
b110(E)	38'-1"
b111(E)	36'-9"
b112(E)	30'-3"
b113(E)	28'-8"
b114(E)	22'-2"
b115(E)	20'-7"
b116(E)	14'-0"
b117(E)	12'-6"



- Notes:
- See sheet SA14 of SA37 for Detail A.
 - Approach slab shall be paid for as Concrete Superstructure.
 - Approach footing concrete shall be paid for as Concrete Structures.
 - Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 - For v₁(E) bar details, see sheets SA24 and SA25 of SA37.
 - The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 - Cost of excavation for approach footing included with Concrete Structures.
 - For Porous Granular Embankment (Special) and drainage treatment details, see sheet SA2 of SA37.

DESIGNED	- J. Refvik
CHECKED	- R. DiGiulio
DRAWN	- J. Refvik
CHECKED	- R. DiGiulio

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SHEET NO. SA18 OF SA37	F.A.P RTE. 2578	SECTION 532B	COUNTY DUPAGE	TOTAL SHEETS 781	SHEET NO. 622
	CONTRACT NO. 60477			ILLINOIS FED. AID PROJECT	

**NORWOOD AVENUE
APPROACH SLAB SECTIONS
STRUCTURE NO. 022-0012**