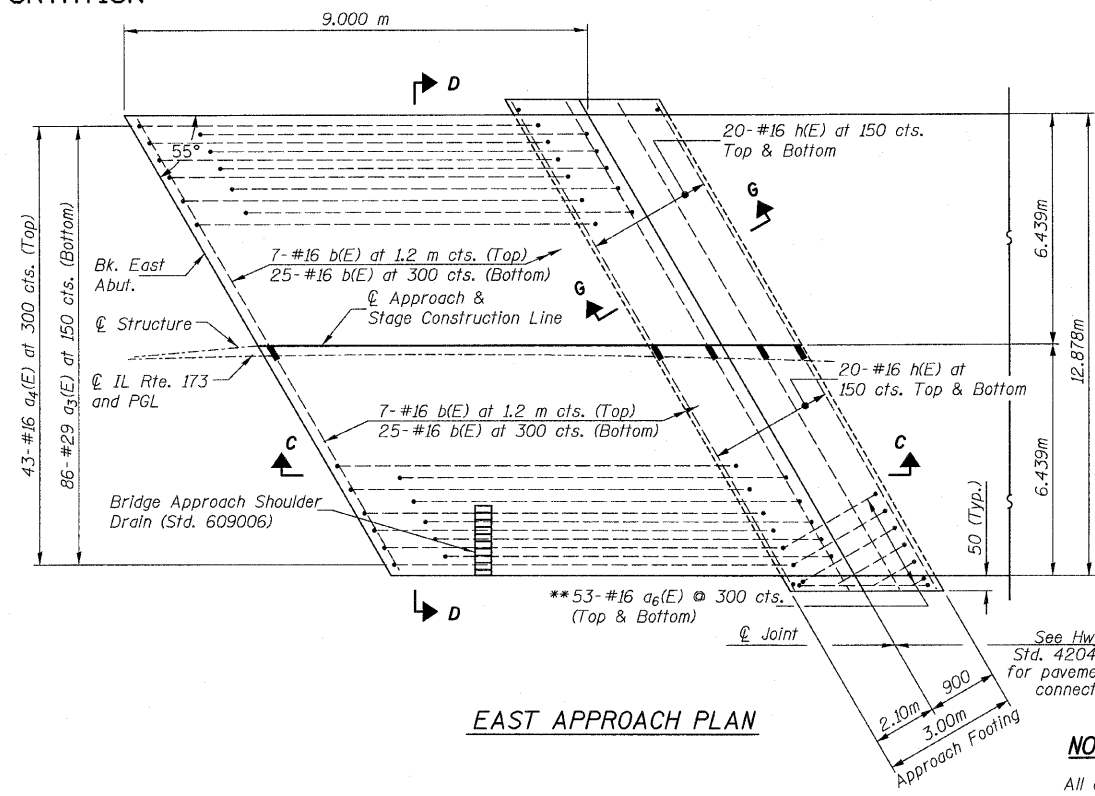
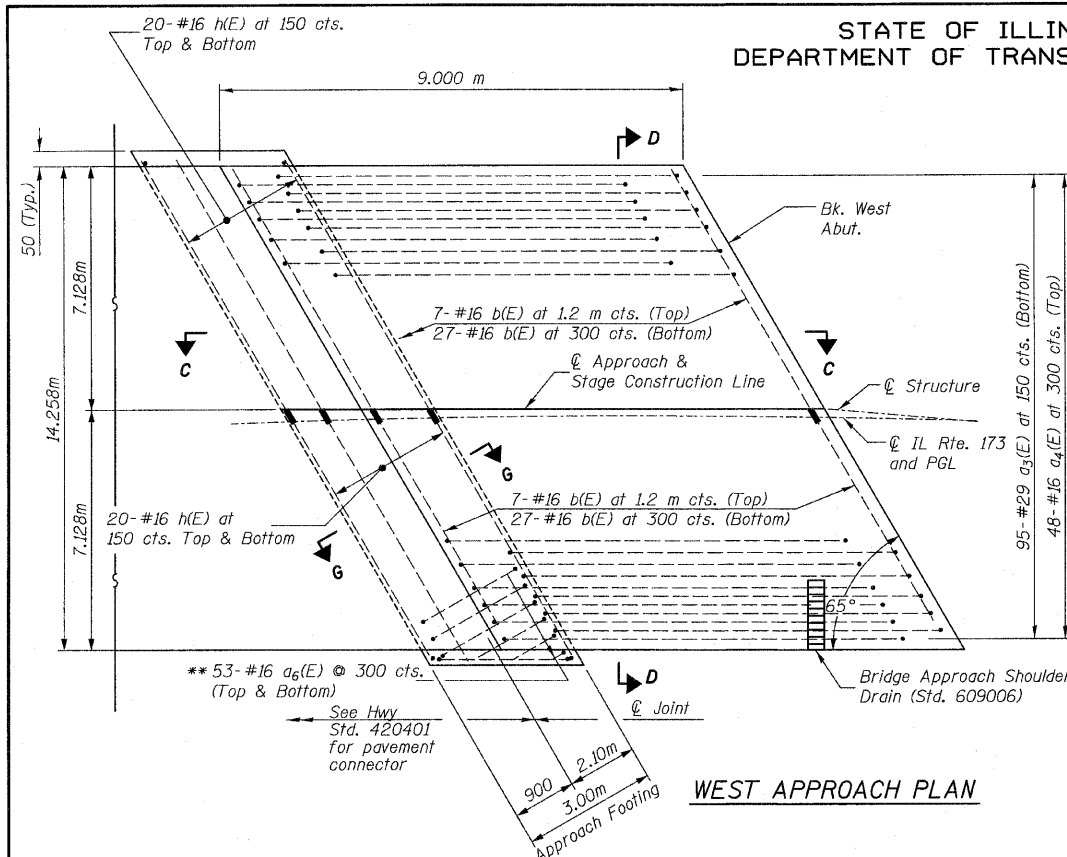


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TITLE SHEET	SHEET NO.
FAP 303 IL 173	134(B&B-2)R-1	LAKE	137	11
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 11
23 SHEETS



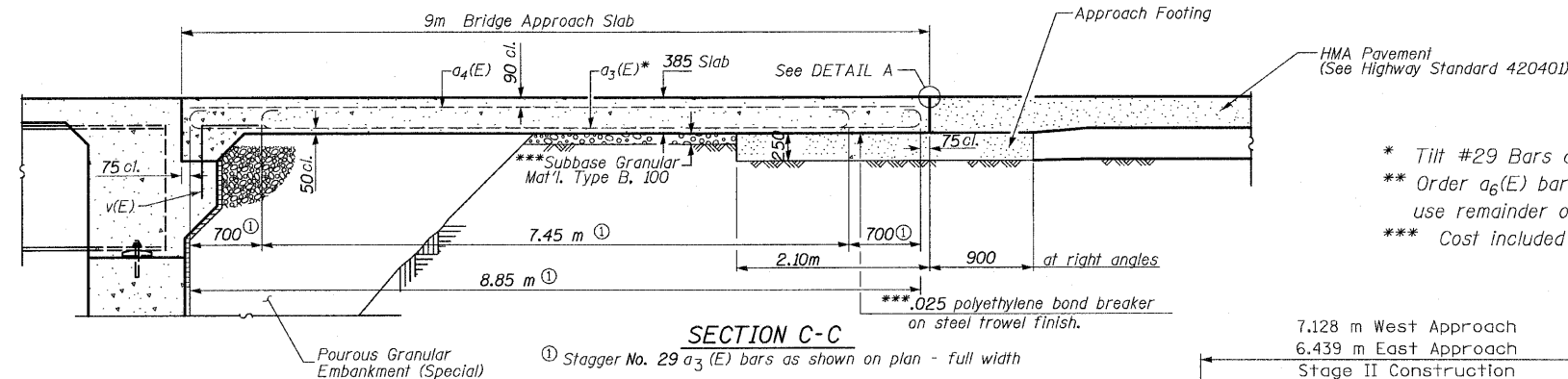
BRIDGE APPROACH SLAB
BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
a ₃ (E)	181	#29	8.912	()
a ₄ (E)	91	#16	8.85	—
a ₆ (E)	212	#16	2.900	—
b(E)	132	#16	7.81	—
h(E)	160	#16	7.87	—
Concrete Structures			m ³	24
Concrete Superstructure			m ³	95
Reinforcement Bars, Epoxy Coated			kg	13,930
Bar Splicers (#16 bar)			Each	146

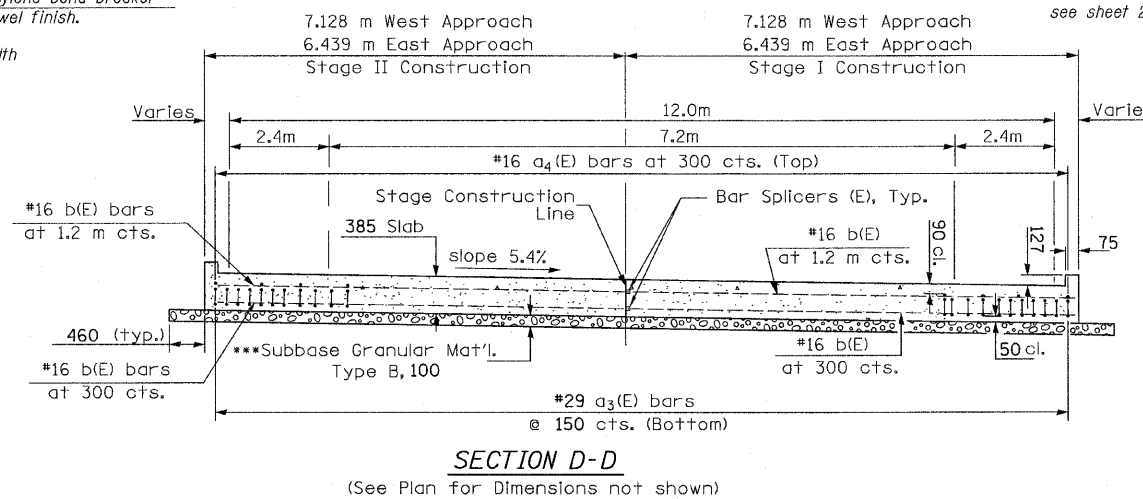
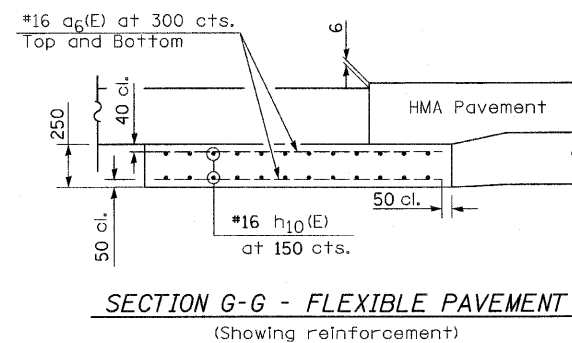
The above table contains information and quantities for two Bridge Approach Pavements. See Sheet 12 for Bar Diagrams.

NOTES:

- All dimensions are in millimeters unless otherwise noted.
- See sheet 12 for Bar Bending Details.
- See sheet 12 of 23 for Detail A and View H-H.
- Approach slab concrete 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 v(E) bar details, see sheet 8 of 23.
- The approach footing maximum applied service bearing pressure (Q_{max}) = 100 kPa.
- For bar splicer details, see sheet 20 of 23.
- Cost of excavation for approach footing included with Concrete Structures.
- For Porous Granular Embankment (Special) and drainage treatment details, see sheet 2 of 23.



- * Tilt #29 Bars as required to maintain clearance.
- ** Order a₆(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.
- *** Cost included with Concrete Superstructures.



DESIGN STRESSES

f_y = 400 MPa
f'_c = 24 MPa
n = 8.5

BRIDGE APPROACH SLAB -1
FAP 303 IL. ROUTE 173
OVER EAST BOAT CHANNEL
SECTION 134(B&B-2)R-1
LAKE COUNTY
STATION 26+271.906
STRUCTURE NO. 049-0198

DESIGNED	JRF
CHECKED	RCJ
DRAWN	RDS
CHECKED	JRF

