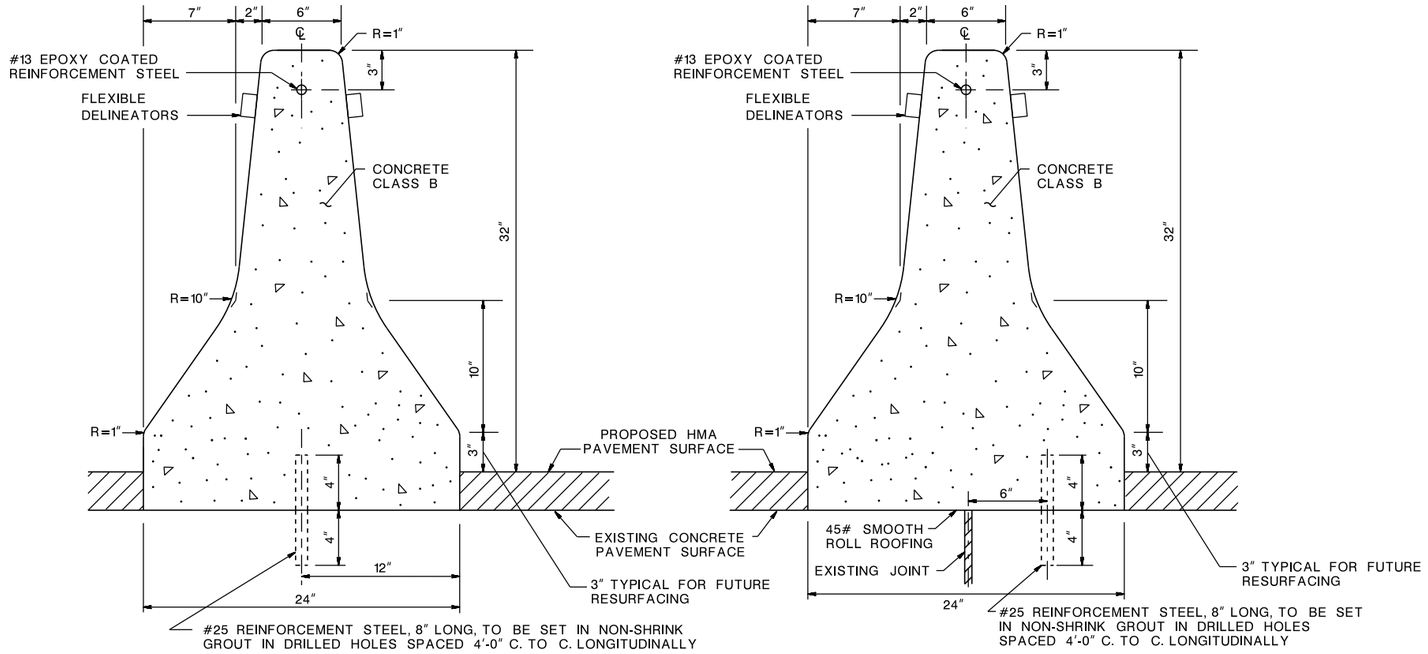
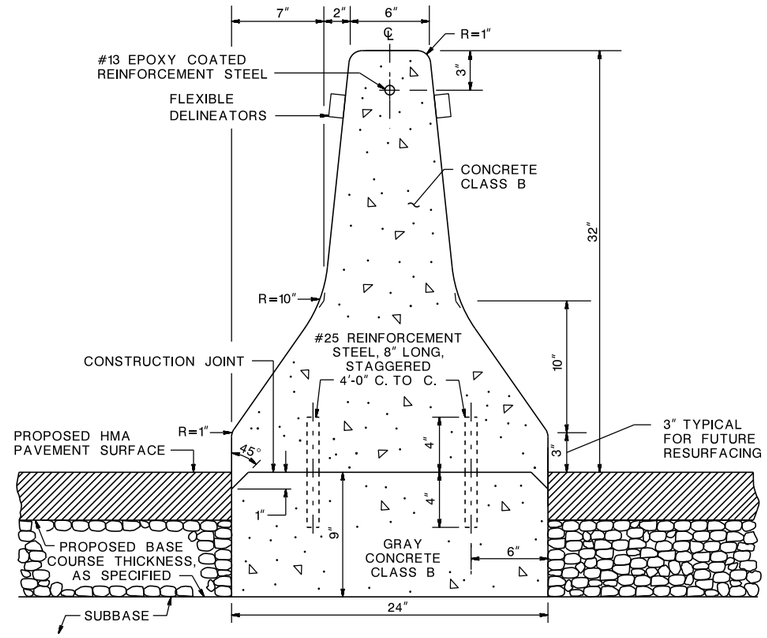


24″ x ___ ″ CONCRETE BARRIER CURB, DOWELLED

CD-607-3.1



24″ x 41″ CONCRETE BARRIER CURB

CD-607-3.2

GENERAL NOTES:

(A) WHERE DOWELLED BARRIER CURB IS TO BE CONSTRUCTED ON EXISTING CONCRETE PAVEMENT OR EXISTING CONCRETE BASE COURSE:

(1) INSTALL TRANSVERSE JOINTS IN THE CURBS AT AND DIRECTLY OVER TRANSVERSE JOINTS IN THE PAVEMENT. TREAT DEFINITE CRACKS THROUGH THE PAVEMENT AS JOINTS. ALSO CONSTRUCT ADDITIONAL JOINTS IN THE CURB SO SPACED AS TO MAKE EQUAL SECTIONS NOT OVER 15′-0″ IN LENGTH.

(2) FILL THE TRANSVERSE JOINTS WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213 SPECIFICATION, RECESSED ¼″ FROM FACES AND TOP OF CURB. THE THICKNESS OF THE TRANSVERSE EXPANSION JOINT FILLER IS AS FOLLOWS:

(a) ½″ FOR IMMEDIATE JOINTS AND JOINTS OVER DEFINITE CRACKS, ½″ OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS 50 FEET OR LESS, 1″ OVER PAVEMENT JOINTS WHERE SLAB LENGTH IS MORE THAN 50 FEET.

(b) VARIABLE IN MULTIPLES OF ½″ BUT NOT LESS THAN THE EXISTING WIDTH OF THE TRANSVERSE JOINTS IN BRIDGES AND JOINTS BETWEEN THE APPROACH SLABS AND BRIDGES.

(c) THE THICKNESS OF 1″ OR MORE LAYERS OF ½″ MATERIAL MAY BE GLUED OR OTHERWISE FASTENED TOGETHER BY A MEANS SATISFACTORY TO THE RE. WHERE THE REQUIRED JOINT OPENING EXCEEDS 1″, THE CONTRACTOR MAY CONSTRUCT OPEN JOINTS.

(3) CLEAN THE SURFACE OF THE EXISTING CONCRETE PAVEMENT OR CONCRETE BASE COURSE AS SPECIFIED IN THE SPECIFICATIONS PRIOR TO THE CONSTRUCTION OF THE CURB THEREON.

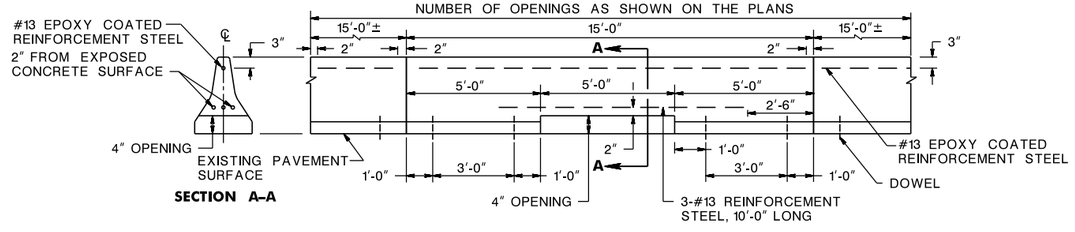
(B) WHERE DOWELLED BARRIER CURB IS TO BE CONSTRUCTED ACROSS A LONGITUDINAL JOINT IN THE EXISTING CONCRETE OR BASE COURSE, OMIT THE DOWELS IN THE SHORTER PORTION OF THE CURB. CONSTRUCT THE CURB IN THIS PORTION OF THE PANEL WITH 45# SMOOTH ROLL ROOFING BETWEEN IT AND THE EXISTING PAVEMENT.

(C) WHERE BARRIER CURB IS TO BE CONSTRUCTED ON PROPOSED CONCRETE BASE, INSTALL TRANSVERSE JOINTS ½″ WIDE IN THE BASE 20′-0″ APART AND IN THE BARRIER CURB DIRECTLY OVER JOINTS IN THE BASE. FILL THE JOINTS WITH PREFORMED BITUMINOUS-IMPREGNATED FIBER JOINT FILLER, COMPLYING WITH THE REQUIREMENTS OF AASHTO M-213 SPECIFICATION, RECESSED ¼″ FROM FACES AND TOP OF CURB.

(D) THE FINISHED SURFACE OF THE BARRIER CURB IS TO BE SMOOTH, DENSE UNPITTED AND FREE FROM AIR BUBBLE POCKETS, DEPRESSIONS, AND HONEYCOMBS. IF THE RE DEEMS IT NECESSARY, THE CURB IS TO BE GIVEN A WOOD FLOAT FINISH RUBBED WITH A MIXTURE OF CEMENT, SAND, AND WATER TO OBTAIN THE ABOVE MENTIONED FINISHED SURFACE.

(E) INSTALL FLEXIBLE DELINEATORS ON BARRIER CURB.

(F) REINFORCEMENT STEEL IS IN METRIC UNITS.



SECTION A–A

OPENINGS TO BE CONSTRUCTED IN BARRIER CURB

HMA = HOT MIX ASPHALT

MASH TL–3 NJ BARRIER CURB

CD-607-3.3

BARRIER CURB

N.T.S.

CD-607-3

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

BDC16D-07-CD-607-3.3 DETAIL REVISED
BDC17D-10-CD-607-3.1 & CD-607-3.2 TEXT REVISED
BDC17D-09-MASH TITLE ADDED
BDC16D-01-ORIGINAL SHEET