REAR FACE OF BACKWALL

GEOTEXTILE BEDDING MATERIAL
FROM "APPROVED LIST". PLACE 500 mm ON EITHER SIDE OF JOINT AND LOOP 50 mm INTO THE JOINT.

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN AND CONSTRUCTION DIVISION

SEMI-INTEGRAL ABUTMENT
REVISED
BD-ID7
PLAN AND SECTIONS
ISSUED
6/13/05
R1

HORIZONTAL LEG ORIENTATION OF THESE VERTICAL SHEAR BARS MAY BE ADJUSTED TO MATCH SKEW AS LONG AS THEY MEET DESIGN REQUIREMENTS.

DESIGNER NOTES:
(E) DENOTES EPOXY COATED BARS.
ALL DIMENSIONS AND BAR SPACINGS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.

DESIGNER NOTES:
FOR LOCATION OF SECTIONS C-C & D-D, SEE BD-ID6.
SEE DESIGNER NOTES ON BD-ID6 TO DETERMINE THE PREFORMED CLOSED CELL FOAM THICKNESS BETWEEN THE BACKWALL AND STEM.

CONCRETE REINFORCING BARS ARE CONTINUOUS BETWEEN THE ABUTMENT STEM AND THE WINGWALL STEM. THE CONCRETE REINFORCING BARS ARE NOT CONTINUOUS BETWEEN THE WINGWALL STEM AND BACKWALL TO ALLOW FOR SUPERSTRUCTURE MOVEMENT.

VERTICAL BARS IN FRONT FACE OF BACKWALL MAY HAVE TO BE ADJUSTED OR CUT IN FIELD TO AVOID INTERFERENCE WITH GIRDERS.

EPOXY COATED (E) BARS ARE SHOWN. OTHER CORROSION PROTECTION OPTIONS ARE AVAILABLE. REFER TO SECTION 15.12 OF THE BRIDGE MANUAL.

REFER TO BRIDGE MANUAL, SECTION 15.12 FOR REQUIREMENTS OF CORROSION PROTECTED REINFORCEMENT IN SUBSTRUCTURES.

DESIGNER NOTES:
#16 BARS (MIN.) @ 300 MAX. SPACING TYPICAL ALL CORNERS.
ALTERNATE WITH BARS RUNNING THRU GIRDER WEB.

PARTIAL PLAN
BACKWALL REINFORCEMENT

APPRECIATED COMPOSITE INTEGRAL ABUTMENT DRAIN

PREFABRICATED COMPOSITE INTEGRAL ABUTMENT DRAIN

50 mm JOINT WITH PREMOULDED RESILIENT JOINT FILLER CONFORMING TO MATERIAL SPECIFICATION 705-07. JOINT FILLER EXTENDS ENTIRE HEIGHT OF BACKWALL AND BETWEEN SUPERSTRUCTURE SLAB AND WINGWALL.

DESIGNER NOTES:
#16(E) BARS (MIN.) @ 400 MAX. SPACING (TYPICAL BETWEEN GIRDERS)

END OF GIRDER FLANGES TO BE ALONG SKEW, AS SHOWN.

50 mm (MIN., TYP.) 50 mm (MIN., TYP.) 50 mm (MIN., TYP.)
EDGE OF GIRDER FLANGE EDGE OF GIRDER FLANGE EDGE OF GIRDER FLANGE

JOINT RECESS JOINT RECESS JOINT RECESS

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