INTEGRAL ABUTMENT CONSTRUCTION PROCEDURE

1. FOR BRIDGE LENGTHS OVER 100 ft., PRE-EXCAVATE HOLES TO A DEPTH OF 8 ft. BELOW THE BRIDGE SEAT ELEVATION.

2. DRIVE PILES AND CUT OFF PILES AT ELEVATIONS SHOWN.

3. BACKFILL HOLES WITH SAND MEETING THE REQUIREMENTS OF NYS MATERIAL DESIGN REINFORCEMENT @ 1'-0" MAX. SPACING.

4. IF CIP PILES ARE USED, FILL PILES WITH CONCRETE.

5. PLACE ABUTMENT STEM CONCRETE TO BRIDGE SEAT ELEVATION.

6. BACKFILL ABUTMENT STEMS TO 6" BELOW THE BRIDGE SEAT ELEVATION.

7. PLACE STONE FILL OR SLOPE PROTECTION.

8. ERECT GIRDERS AND INSTALL ALL DIAPHRAGMS. GIRDERS SHALL BE FABRICATED AND INSTALLED SUCH THAT THE WEBS WILL BE VERTICAL UNDER FULL DEAD LOAD.

9. AT EACH END OF THE BRIDGE, PLACE CONCRETE FOR DECK SLAB TO WITHIN 9 ft. OF THE BRIDGE SEAT ELEVATION.

10. PLACE CONCRETE FOR APPROACH SLABS UNTIL BACKWALLS HAVE CURED FOR 7 DAYS. BACKFILLING SHALL BE CONDUCTED SUCH THRU 1" (MIN.) DIA. HOLES DETERMINED BY DESIGNER.

NOTES:

- PLACEMENT AND SPACING SHOWN FOR SUPERSTRUCTURE SLAB BARS, APPROACH SLAB BARS AND SUPERSTRUCTURE DIAPHRAGMS WHEREVER POSSIBLE, UNLESS OTHERWISE NOTED.

TYPICAL SECTION & DETAILS

FOR STEEL INTEGRAL ABUTMENT KEYWAY DETAILS, SEE BD-ID3E.

FOR TYPE "D" WATERSTOP DETAILS, SEE BD-MS3E.

FOR STEEL SUPERSTRUCTURE WITH COTTON DUCK PAD SUPPORT, SEE BEARING PAD "A" DETAIL.

FOR JOINT RECESS DETAIL, SEE BD-ID6E.

FOR BEARING PAD "A" DETAILS, SEE BD-ID1E.

FOR STEEL GIRDER BEARINGS IS ALONG THE GIRDER CENTERLINE. A MINIMUM OF 3" BETWEEN WEBS AND CONTINUOUS BEARING IS REQUIRED.

FOR TYPICAL DIAPHRAGM DETAILS, SEE THE BD-SG DRAWINGS.

FOR STEEL INTEGRAL ABUTMENT DETAIL, SEE THE BD-MS DRAWINGS.

DESIGNER NOTES:

- THESE DETAILS SHALL BE USED WHEN THE SUPERAGING isc TO EXCEED 300 Lb. per sq. ft. AND THE,image OR OVER AND UNDER THE STEM, EACH STEM EXCEEDS 6".

- SEE DESIGNER NOTES ON BD-ID4E FOR EXTENDED DETAILS.

- SEE DESIGNER NOTES ON BD-ID5E FOR FOUNDATION DETAILS.

- SEE DESIGNER NOTES ON BD-ID1E FOR CORROSION PROTECTION.

- SEE DESIGNER NOTES ON BD-ID2E FOR ROTATION EQUATION.

- SEE DESIGNER NOTES ON BD-ID3E FOR CORROSION PROTECTION.

- SEE DESIGNER NOTES ON BD-ID4E FOR FOUNDATION DETAILS.

- SEE DESIGNER NOTES ON BD-ID5E FOR EXTENDED DETAILS.

- SEE DESIGNER NOTES ON BD-ID6E FOR JOINT RECESS DETAILS.

- SEE DESIGNER NOTES ON BD-ID7E FOR BEARING PAD "A" DETAILS.