SECTION SHOWING PRECAST SINGLE SLOPE CONCRETE HALF SECTION BARRIER (SHOWN AT EXPANSION JOINT)

EXPANSION JOINT DETAIL SHOWING REINFORCING BARS FOR PRECAST SINGLE SLOPE CONCRETE HALF SECTION BARRIER

DETAIL SHOWING KERF IN SECTION A-A

NOTES:
1) FINISH TOLERANCES FOR ALL BARRIERS SHALL BE AS FOLLOWS:
   a) HORIZONTAL PLANE SHALL NOT BE OUT OF PLUMB IN MORE THAN 5 MM.
   b) LONGITUDINAL DIMENSIONS shall NOT BE OUT OF LEVEL IN MORE THAN 5 MM.
   c) CROSS-SECTIONAL DIMENSIONS SHALL NOT BE OUT OF THE DIMENSIONS SHOWN BY MORE THAN 5 MM.
2) CONTINUITY CONNECTIONS SHALL BE USED AT ALL JOINTS IN PRECAST AND CAST-IN-PLACE SINGLE SLOPE CONCRETE HALF SECTION BARRIERS. ALL BARRIERS SHALL HAVE THE USE OF CONTINUITY CONNECTIONS ONLY AT THE EXPANSION JOINTS. ALL HARDWARE IN CONTINUITY CONNECTIONS SHALL BE GALVANIZED.
3) PRECAST AND CAST-IN-PLACE SINGLE SLOPE CONCRETE HALF SECTION BARRIER SHALL BE BUCKED UP WITH EARTH OR BACK UP POSTS FOR ITS LENGTH AND AS SHOWN IN DETAILS A AND B.
4) MACHINE FORMED SLOPE CONCRETE HALF SECTION BARRIER SHALL BE BUCKED UP WITH EARTH OR BACK UP POSTS AT EVERY EXPANSION JOINT AND AT THE END OF EACH BARRIER. WHEN EARTH OR BACK UP POSTS ARE USED THEY SHALL BE PLACED SIX METERS EITHER SIDE OF THE EXPANSION JOINT AND FOR THE FIRST AND LAST SIX METERS OF THE BARRIER EXCLUDING ANY END SECTIONS. WHEN BACK UP POSTS ARE USED I.E. ON EIGHTS OF THE EXPANSION JOINT AND AT THE END OF EACH BARRIER USING THE CONSTRUCTION DETAILS IS SHOWN.
5) WHEN SINGLE SLOPE CONCRETE HALF SECTION BARRIER IS REMOVED AT APPROACH END OR FULL SECTION RAMPED TERMINAL OR A CRASH ATTENUATION SHOWN TO BE USED AS SPECIFIED.
6) 30 MM MINIMUM COVER FOR ALL REINFORCEMENT.
7) THESE BARS MAY BE ELIMINATED PROVIDED 50 MM MINIMUM COVER IS MAINTAINED.
8) SURFACES SHALL BE SMOOTHED.
9) IF 1354 BARS ARE USED, THEN THESE 1354 BARS MUST BE USED.

SECTION SHOWING CAST-IN-PLACE SINGLE SLOPE CONCRETE HALF SECTION BARRIER (SHOWN AT EXPANSION JOINT)

EXPANSION JOINT DETAIL SHOWING REINFORCING BARS FOR CAST-IN-PLACE SINGLE SLOPE CONCRETE HALF SECTION BARRIER

NOTE:
THE MINIMUM LENGTH OF PRECAST SLOPE CONCRETE IS 11.0 M BUT MAY BE MODIFIED TO A MINIMUM OF 11.0 M AND A MAXIMUM OF 15.0 M TO FIT CONDITION UNLESS THE MODIFIED BAR LENGTH IS DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL PREPARE AND SUBMIT A REPORT TO THE ENGINEER FOR APPROVAL.