BEARING RECESS AND BOTTOM FLANGE SPALL PROTECTION DETAIL

Bearing recess forms shall be constructed and fastened to avoid girder damage during strand release.

NOTES:
1. 7/8" MIN. STRAND CHUCK OR ASTM A416 3/8" x 1½" STRAND ANCHOR. ANCHOR STRAND WITH WEDGES BEFORE GIRDER ERECTION. VERIFY WEDGES ARE SEATED TIGHTLY IMMEDIATELY BEFORE PLACING DIAPHRAGM CONCRETE.
2. CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN.
3. MEASURED NORMAL TO Ø DIAPHRAGM
4. APPLY APPROVED RETARDANT FOR ½" ETCH TO SIDE FORMS OR ½" RENEWED SURFACE TREATMENT BY APPROVED MECHANICAL METHOD. OMIT AT EXTERIOR FACE OF EXTERIOR GIRDER.
5. CUT ALL STRANDS 1" BELOW CONCRETE SURFACE AND GROUT WITH AN APPROVED EPOXY GROUT. MEASURED NORMAL TO Ø DIAPHRAGM. EXTENSION LENGTH ~ PARALLEL TO Ø GIRDER.
6. ADJUST HOLE LOCATION VERTICALLY TO MISS HARPED STRANDS. OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF EXTERIOR GIRDER. PLACE HOLES AND INSERTS PARALLEL TO DIAPHRAGM CENTERLINE. INSERTS SHALL BE 1½ MEADOWBROOK MX-3 H-TENSILE, 1½ MEADOWBROOK FX-19 FERRULE INSERT, 1½ x 5½ WILLIAMS F22 OPEN FERRULE INSERT, 1½ x 4½ DAYTON-SUPERIOR F-62 FLARED THIN SLAB FERRULE INSERT OR APPROVED EQUAL.