GIRDER NOTES

1. PLAN LENGTH SHALL BE INCREASED AS NECESSARY TO COMPENSATE FOR SHORTENING DUE TO PRE-STRESS AND SHINKAGE.

2. ALL PRE-TENSIONED AND TEMPORARY STRANDS SHALL BE CUSH LOW RELAXATION STRANDS (ASHDOT WOOL GRADE 270). FOR END TYPES A, C AND D ALL STRANDS SHALL BE CUSH LOW RELAXATION STRANDS (ASHDOT WOOL GRADE 270) OR 3/4" BENDED SURFACE TREATMENT BY APPROVED MECHANICAL METHOD.

3. FOR END TYPES A, C AND D CUT ALL STRANDS FLUSH WITH THE GIRDER ENDS AND PAINT WITH AN APPROVED EPOXY RESIN, EXCEPT FOR EXTENDED STRANDS AS SHOWN. FOR END TYPE B CUT ALL STRANDS 1" BELOW CONCRETE SURFACE AND GROUT WITH AN APPROVED EPOXY GROUT.

4. THE TOP SURFACE OF THE GIRDER PLANE SHALL BE REINFORCED IN ACCORDANCE WITH SECTION 0-02.25(25) OF THE STANDARD SPECIFICATIONS.

5. LIFTING EMBEDMENTS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 0-02.25(25) OF THE STANDARD SPECIFICATIONS.

6. CAUTION SHALL BE EXERCISED IN HANDLING AND PLACING GIRDERS. NO GIRDERS SHALL BE COMPARED OR STORED IN CONCRETE FORMS. ALL GIRDERS SHALL BE BRACED ADEQUATELY TO PREVENT TIPPING AND TO CONTROL LATERAL BENDING DURING SHIPMENT. ONCE ERECTED, ALL GIRDERS SHALL BE BRACED LATERALLY TO PREVENT TIPPING UNTIL THE DIAPHRAGMS ARE CAST AND CURED.

7. FOR DIAPHRAGMS, OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF EXTERIOR GIRDERS. PLACE HOLES AND INSERTS PARALLEL TO SKEW. INSERTS SHALL BE 1"ø MEADOWBURKE MAX HI-TENSILE, 1"ø x 5½" WILLIAMS F22 OPEN FERRULE INSERT, 1"ø x 4½" LANCASTER MALLEABLE, DAYTON-SUPERIOR F-62 FLARED THIN SLAB HANGERS.

8. TEMORARY TOP STRANDS MAY BE USED IF THE LIFTING POINTS IN THE GIRDER SCHEDULE ARE MAINTAINED AND THE STRANDS ARE STRESSED PRIOR TO LIFTING. THE LIFTING LOCATIONS "L" AND CONCRETE RELEASE OPERATIONS SHALL BE CHECKED FOR EFFECT OF VERTICAL CURVE.

9. FOR DIAPHRAGMS, OMIT HOLES AND PLACE INSERTS ON THE INTERIOR FACE OF EXTERIOR GIRDERS. PLACE HOLES AND INSERTS PARALLEL TO SKEW. INSERTS SHALL BE 1"ø BURKE MEADOWBURKE, 1"ø x 4½" WILLIAM F22 OPEN FERRULE INSERT, 1"ø x 4½" DAYTON-SUPERIOR F-62 PLARED THIN SLAB FERRULE INSERT OR APPROVED EQUAL.

TYPICAL END ELEVATION

INTERMEDIATE DIAPHRAGM
FIELD BENDING REQUIRED TO OBTAIN 1½" CONCRETE COVER AT PAVEMENT SEAT.

CAUTION FOR END TYPES C, D AND E.

NOTE:
1. FOR END TYPE "A" INTERMEDIATE DIAPHRAGMS ARE REQUIRED. FOR END TYPE "C", INCLUDE INTERMEDIATE DIAPHRAGMS AS SHOWN.

2. INTERMEDIATE DIAPHRAGM 2½ points of span for span lengths 40'-0" to 80'-0". No intermediate diaphragm for span lengths 42'-0" or less.

3. DIAPHRAGM TYPES 1, 2 AND 3 MAY BE EXCHANGED BETWEEN TYPES 1 AND 2.

4. INTERMEDIATE DIAPHRAGM FOR END TYPES "C" AND "D".

5. FOR END TYPE "A" INTERMEDIATE DIAPHRAGMS ARE REQUIRED. FOR END TYPE "C", INCLUDE INTERMEDIATE DIAPHRAGMS AS SHOWN.

NOTES:

1. MAXIMUM SLIDE FOR STRANDS:
   a. 1' FOR EACH 3/4" STRAND OR 1½" FOR EACH 5/8" STRAND
   b. 1½" FOR EACH 5/8" STRAND

2. VARY FOR SKEWED ENDS.

3. PANS OF AZ BAR MAY BE USED INTERCHANGEABLY AS BOTTOM HANGERS.

4. SHALY BE CHECKED FOR EFFECT OF VERTICAL CURVE.