OUTSIDE ELEVATION OF CHAIN LINK FENCE

1. Use 3-5/8 x 0.216 ASTM A508 or A500 Gr. B.
2. Use 1-6/8 x 0.140 ASTM A500 Gr. B or A53 Gr. B.
3. Use 9 gauge steel Tie Wire, chain link fabric to tension wire.
4. Use 9 gauge steel Hog Rings, 2 Mesh, knuckle selvage top and bottom.
5. Use 9 gauge steel Tension Wire.
6. Contractor must field drill one 3/8" Dia hole in every stretcher bar and use a 9 gauge steel wire to tie one stretcher bar and chain link fabric together. Locate drilled hole for wire at approximate midpoint of fence.
7. Ground terminal post at the beginning and end of fence and down the nearest post. Attach 6 AWG copper stranded wire to steel post with UL listed hardware and run other end of copper stranded wire to 1/2" Dia minimum copper clad steel ground rod 8 ft in length. Install ground rod as per Item 550 and this sheet. The 6 AWG copper stranded wire must run through 10' Schedule 40 PVC pipe and fittings and PVC box attached to the back of rail.
8. Dimensions given are rail sizes and superstructure type. 7551, 7222, and 2231 with 1' with no overlay, 7222 Rail and SSTR Rail = 2' with no overlay, increased 2' for extra. On bridges with significant beam center variable length in dimension may be anticipated.
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TXDOT for any purpose whatsoever. TXDOT assumes no responsibility for the conversion of DATE:

FILE:

10'-10" Terminal Post
2'-7" Chain Link Fence Section
9'-9" (Showing Terminal Post on a T551 or T221 Rail, 4" Rail)
8'-0" Chain Link Fabric
50x338

See "Material Notes" for threaded anchor rod information.

CONSTRUCTION NOTES:

- Chain link post must be plumb unless otherwise approved.
- Adhesive anchors in accordance with Item 400.3.3. "Tests". Test 3 anchors per 100 anchors installed. Perform corrective measures to provide adequate capacity if any of the tests do not meet the required test load. Repair damage from testing as directed.

MATERIAL NOTES:

- All Chain Link Fence materials must conform to standard specifications. Item "Chain Link Fence" unless shown otherwise. Coatings all steel components unless noted otherwise.
- Provide ASTM A1085 Gr A for HSS 3.500 x 0.216.
- Provide ASTM A500 Gr B or A53 Gr B for HSS 1.660 x 0.140.
- Anchor bolts must be 5/8 dia ASTM A307 Gr A. Fully threaded rods. New nuts must conform to ASTM A563 requirements. Zinc plated threaded rods into precast wall elements. Minimum anchor embedment depth is 6". Anchor adhesive chosen must be able to achieve a bonded strength in tension of 6 kips each anchor. Malleable iron post and anchor spacing must be accounted for. Submit signed and sealed calculations or the manufacturer's published literature showing the proposed anchor's ability to develop this load to the Engineer for approval prior to use. Anchor calculation, including load factors, detailing, and close-out, must be furnished prior to Item 400. Marking.

GENERAL NOTES:

- This sheet must be used with a concrete traffic or Combination Rail. Rails that can be used with this sheet are T551, SSTR, T221, T222, and C221 Rails. Chain link fence details shown on this standard are adequate for all speeds. This railing cannot be used on bridges with expansion joints providing more than 5" movement. This railing cannot be used on bridges with expansion joints providing more than 5" movement.
- If used, optional side slot drains shown on rail fence details shown on this standard are adequate for all speeds. If used, optional side slot drains shown on rail fence details shown on this standard are adequate for all speeds.
- This sheet must be used with a concrete Traffic or Combination Rail. Rails that can be used with this sheet are T551, SSTR, T221, T222, and C221 Rails. Chain link fence details shown on this standard are adequate for all speeds. This railing cannot be used on bridges with expansion joints providing more than 5" movement.

Approximate weight of fence = 20 plf. with Item 450, "Rail (CLF-RO)". Payment for materials, fabrication, and installation of this railing are to be included in unit price bid in accordance with Item 450, "Railing".

Payment for materials, fabrication, and installation of this assembly are to be included in unit price bid in accordance with Item 450, "Railing".

Provide ASTM A36 for steel plates.
- Provide ASTM A500 Gr B or A53 Gr B for HSS 1.660 x 0.140.
- Provide ASTM A1085, A500 Gr B for HSS 3.500 x 0.216.
- Galvanize all steel components unless noted otherwise.
- All Chain Link Fence materials must conform to standard specifications, Item "Chain Link Fence" unless shown otherwise. Coatings all steel components unless noted otherwise.

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