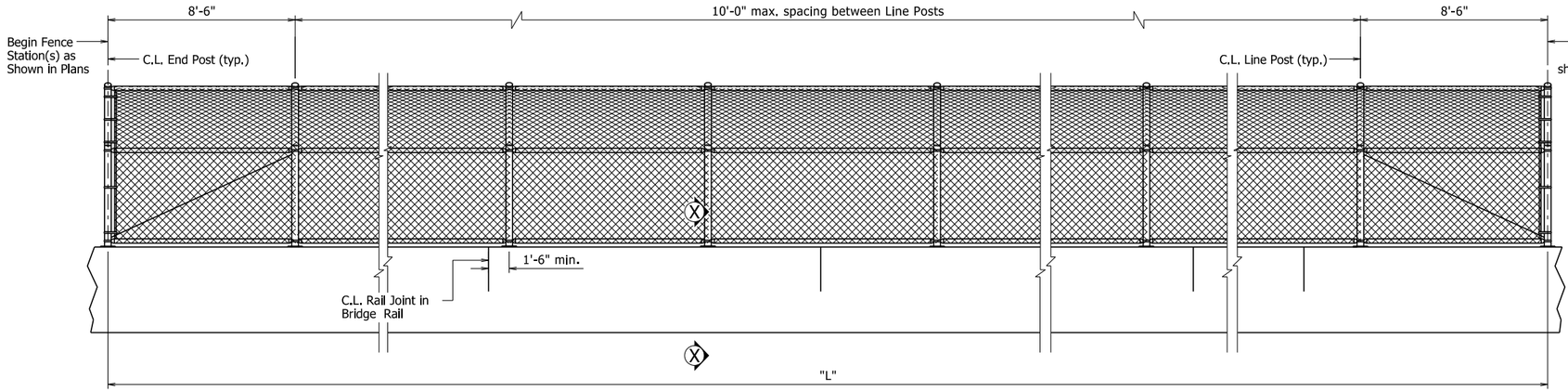
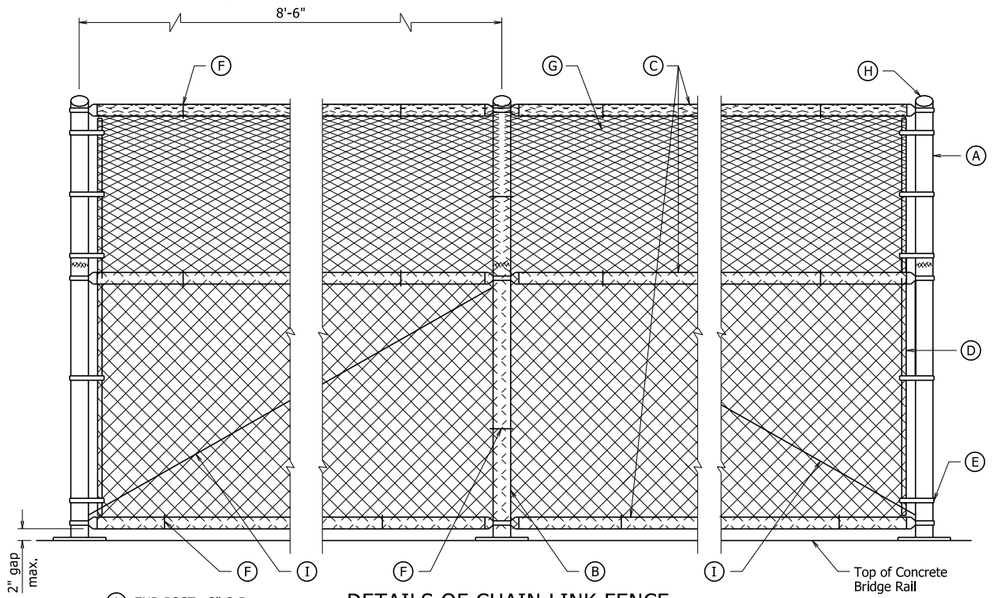
DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB NO.				

(1) CURVED CHAIN LINK FENCE - 55019



LONGITUDINAL VIEW OF CHAIN LINK FENCE

NOTE: The fence location, total length, and bridge rail panel spacing shall be as specified in the plans.



DETAILS OF CHAIN LINK FENCE

(A) END POST: 3" O.D.

(B) LINE POST: 2½" O.D.

(C) HORIZONTAL RAIL: 1⅝" O.D.

(D) TENSION BAR: 3/16" x ¾" Bar

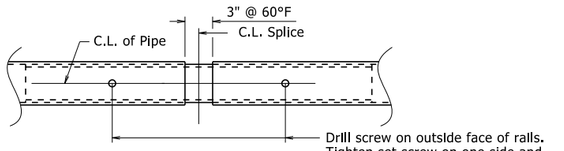
(E) TENSION BAR BAND: ¾" x 0.074 with 5/16"Ø x 1¼" Bolt
One Band Top and Bottom with 1'-3" max. spacing placed as shown. Bend tensions rods to conform to curve geometry shown.

(F) TIE WIRE: 9 Ga. Aluminum @ 12" max.

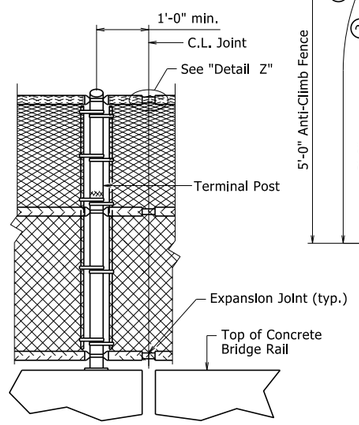
(G) FABRIC: 9 Ga. 2" Mesh w/Knucklug or Twisting Selvage. Chain link fabric to be placed on outside face of rails.

(H) CAPS: All post shall be capped and shall conform to ASTM F626.

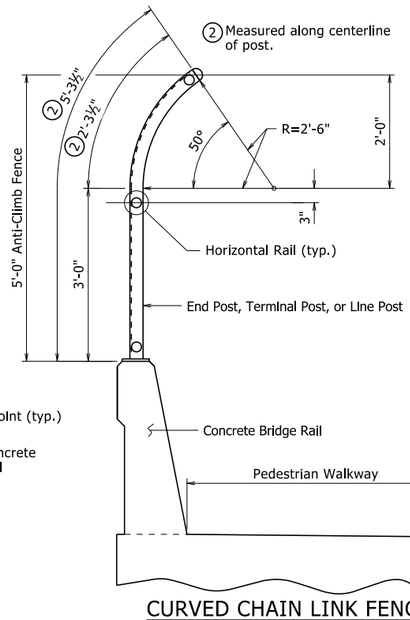
(I) TRUSS ROD: Min. of 5/16" round with Tighteners and Fittings



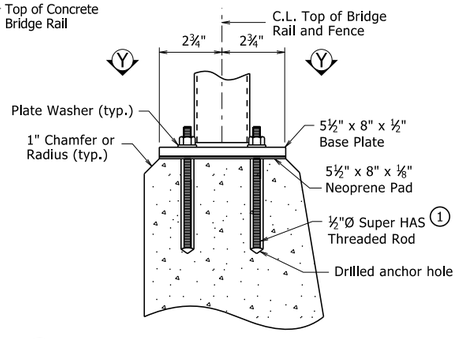
DETAIL Z



DETAILS AT BRIDGE DECK EXPANSION JOINTS



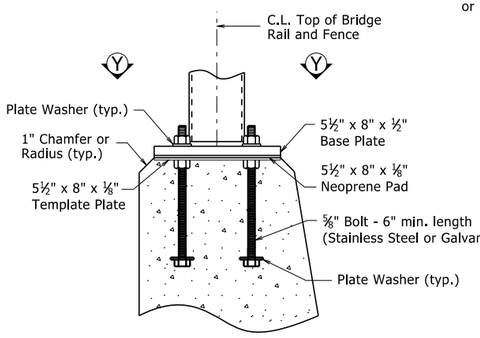
CURVED CHAIN LINK FENCE



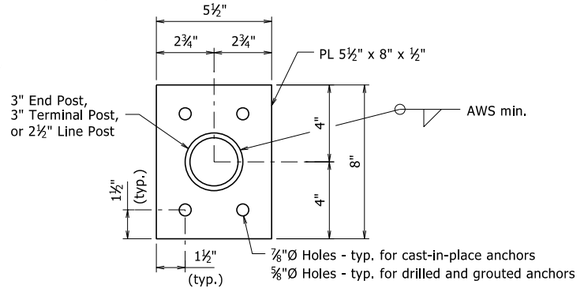
(1) HILTI HIT RE 500 Epoxy Adhesive Anchor System with 4½" embedment or approved equal.

The HILTI Adhesive Anchor System shall be installed in accordance with Manufacturer's recommendations.

SECTION X-X
DETAILS OF ALTERNATE POST ANCHOR SYSTEM
(Epoxy Adhesive Anchors)



SECTION X-X
DETAILS OF POST ANCHOR SYSTEM
(Cast In-Place Bolts)



VIEW Y-Y

MATERIALS:

Chain link fence attached to the bridge shall be paid for as "5' Steel Chain Link Fence". Material for chain link fence shall comply with AASHTO M 181 Type I, Class D; Type II; or Type III. Steel members for posts, rails, and expansion sleeves may be either Grade 1 or Grade 2. Hardware and fittings shall comply with ASTM F626. Any miscellaneous hardware or fittings not mentioned shall be galvanized according to AASHTO M 111 or M 232. When required elsewhere in the plans, steel fence members shall receive a powder coating process after galvanizing. Galvanized surfaces shall be prepared in accordance with Subsection 807.87 and the manufacturer's recommendations prior to application of the powder coating system.

The powder coating process shall be a two coat system applied using electrostatic spray. The base coat shall be a thermosetting epoxy powder with a minimum thickness of 2 to 4 mils. The top coat shall be tough polyester powder with a minimum thickness of 2 to 4 mils. The color shall be as shown in the plans. Coated galvanized framework shall have a salt spray resistance of 3,000 hours using ASTM B117 without loss of adhesion. The powder coating process shall be in accordance with manufacturer's recommendations. Any damage to the powder coated finish shall be repaired with a compatible touch-up system in accordance with the manufacturer's recommendations and to the satisfaction of the Engineer at the Contractor's expense.

Cast-in-place anchor bolts, nuts, washers, and set screws shall be galvanized high-strength steel or stainless steel. Mixing of galvanized and stainless steel fasteners will not be permitted.

High-Strength Steel:
Cast-in-place anchor bolts shall conform to ASTM F3125, Grade A325, Type 1.
Nuts shall conform to ASTM A563, Grade DH or AASHTO M 292, Grade 2H.
Washers shall conform to ASTM F436.
Plate Washers shall conform to ASTM A709, Grade 36.
Template Plates shall conform to ASTM A709, Grade 36.
Splice Set Screws shall conform to ASTM A307, Grade A.
Anchor bolts, nuts, washers, plate washers, and set screws shall be galvanized in accordance with AASHTO M 232, Class C or ASTM B695, Class 50.

Stainless Steel:
Cast-in-place anchor bolts shall conform to ASTM A193, Grade B8, Class 2 or A320, Grade B8, Class 2 with a minimum yield strength of 80,000 psi.
Nuts shall conform to ASTM A194, Grade 8.
Washers shall conform to ASTM A240, Type 302.
Plate Washers shall conform to ASTM A240, Type 302.
Template Plates shall conform to ASTM A240, Type 302.
Splice Set Screws shall conform to ASTM A193, Grade B8, Class 1 or A320, Grade B8, Class 1.

Threads on bolts, screws, and nuts shall conform to American Standard Coarse Series, Class 2 FIT, ASA Specification B1.1. Plate washers shall have dimensions meeting the requirements of ANSI/ASME B18.22.1, Type A plain washer (Wide Series) unless otherwise noted. Neoprene pads shall conform to the requirements of Subsection 807.15(b).

GENERAL NOTES FOR CHAIN LINK FENCE:

Fence layout shall conform to vertical and horizontal alignment of bridge. Fence posts shall be set plumb (true vertical position). Bridge rail concrete shall be at least 7 days old before stretching and securing fabric to posts.

Base plates shall not be placed upon areas that are improperly finished, deformed, or irregular.

For additional details of chain link fence, see Standard Drawing WF-3 and Section 619. Neoprene pad, template plates, and anchor systems shall not be paid for directly, but shall be considered incidental to the unit price bid for the item "5' Steel Chain Link Fence".

SECTION AND SUBSECTION REFER TO THE ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2014 EDITION).

THESE DETAILS ARE APPLICABLE UNLESS OTHERWISE SHOWN IN THE PLAN DETAILS, SPECIAL PROVISIONS, OR SUPPLEMENTAL SPECIFICATIONS.

STANDARD DETAILS FOR CURVED CHAIN LINK FENCE

ROUTE SEC.

ARKANSAS STATE HIGHWAY COMMISSION

LITTLE ROCK, ARK.

DRAWN BY: KWY DATE: 4/8/2021 FILENAME: b55019.dgn
CHECKED BY: TMG DATE: 4/8/2021 SCALE: No Scale
DESIGNED BY: STD. DATE: -

DRAWING NO. 55019

PRINT DATE: 4/12/2021