

**SECTION 6300 - CHAIN LINK FENCE****PART 1 - GENERAL**

**1.01 SCOPE:** This Section covers 3'-6" tall and 6'-0" tall chain link fence. Topics include installer's qualifications, post and fabric materials, foundations, and gates.

**1.02 INSTALLER'S QUALIFICATION:** Installation shall be by an installer with at least five successful installations of chain link fence of similar scope.

**1.03 RELATED WORK:** Refer to the following sections for related work:

Temporary Fence	Section 1200-Incidental Construction
Foundation Concrete	Section 4000-Concrete Materials and Methods

**1.04 SUBMITTALS:** Submit the following for review:

A. Gate shop drawings.

**PART 2 - PRODUCTS**

**2.01 GENERAL:** Fence materials shall meet the requirements of KDOT Standard Specifications Subsection 1619.

**2.02 POSTS:** Minimum post sizes shall be as listed below:

<u>Member</u>	<u>6-foot fence</u>	<u>42-inch fence</u>
Line post	2-3/8-inch OD, 3.65 lb/ft	1-7/8-inch OD, 2.72 lb/ft
Corner post and pull post	2-7/8-inch OD, 5.79 lb/ft	2-3/8-inch OD, 3.65 lb/ft
Top rail and pipe bracing	1-5/8-inch OD, 1.40 lb/ft	1-5/8-inch OD, 1.40 lb/ft
Gate post	4-inch OD, 9.10 lb/ft	2-7/8-inch OD, 5.79 lb/ft
Gate frame	1-7/8-inch OD, 2.09 lb/ft	1-7/8-inch OD, 2.09 lb/ft
Auto gate post	6-5/8-inch OD, 18.97 lb/ft	4-inch OD, 9.10 lb/ft

Post caps may be aluminum or galvanized steel.

**2.03 FABRIC AND TENSION WIRE:** Chain link fabric shall be 9-gage, 2-inch mesh, knuckled top selvedge, and bottom selvedge may be knuckled or barbed. Bottom tension wire shall be 7-gage.

### **PART 3 - EXECUTION**

- 3.01 STANDARD CONFIGURATION:** Unless otherwise required in the Special Conditions or drawings, fence shall be installed as follows. Fabric support shall be top rail and bottom tension wire. For fence adjacent to a vertical drop of greater than 3 feet, fence shall include a 1-5/8-inch diameter bottom rail. Selvedge shall be knuckled top and barbed on bottom. Fence shall not be surmounted with barbed wire. Line post spacing shall be 10 feet maximum. Pull posts shall be placed at sharp breaks in grade and at maximum 330-foot intervals in straight runs. Bottom clearance shall be 2 inches maximum.
- 3.02 FOUNDATION:** Line posts shall extend 2'-6" into a 3'-0" concrete encasement. End, corner, pull, and gate posts shall extend 3'-0" into a 4'-0" concrete encasement. Encasement for a 42-inch tall fence shall be 10-inch diameter; encasement for a 6-foot tall fence shall be 12-inch diameter.
- 3.03 GATES:** Gates shall be swing type hinged for 90° swing. Frames shall be welded and water tight. Hinges shall be heavy pattern with large bearing surface and shall not twist under the action of the gate. Double gates shall include stops and keepers. Stops shall be set in concrete. Double gate latches shall be plunger bar type, full gate height to engage the gate stop. Single gate latches may be forked type. Latches shall be arranged for padlocking with the padlock accessible from both sides. Contractor is not required to supply padlocks.

END OF SECTION 6300