

REQUEST FOR BIDS

AUTOMATED CANTILEVERED SLIDING

GATE

Bid Deadline: 10 AM - November 14, 2017



Project Location: 6 Wentworth Court, Waterville, Maine

BID SPECIFICATIONS

Automated Cantilevered Aluminum Sliding Gate

GENERAL INFORMATION

The City of Waterville Department of Public Works is requesting bid proposals for replacement of an automated cantilevered aluminum sliding gate with access control system. Project location is 6 Wentworth Court, Waterville, Maine. Bids are due by 10 AM EST on Tuesday, November 14, 2017. Copies of the specifications or additional information may be obtained by contacting Mark Turner at 680-4744 or by visiting www.waterville-me.gov. The City of Waterville reserves the right to accept or reject any or all bid proposals.

1. Scope:

Specification for the materials and construction requirements for chain link cantilever slide gate with external aluminum track and hardware manufactured to comply with ASTM F-1184, ASTM F-2200, and Underwriter's Laboratory UL-325 safety standards.

2. Manufacturer:

Tymetal[®] or equivalent

3. Minimum Warranty:

Manufacturer's Standard

4. General:

A. Gate Frame: Thirty-six (36) foot overall length (Existing: 24' screened section with 12' open frame cantilever) and six (6) foot height. The entire frame and support members shall be manufactured with the same aluminum material, alloy and temper 6061-T6 (ASTM 1184). Fabricate chain link cantilever slide gate shall be in accordance with ASTM F-1184, Type II, Class 2, using 2 inch square aluminum outside vertical members (1.10 lb/ft). Members are welded

together with a continuous top track (3.83 lb/ft) and bottom rail to form a rigid one piece frame. Vertical interior support uprights will be positioned equally throughout the frame structure. The cantilever overhang will be twelve (12) feet in length.

B. There shall be fixed type zinc die cast with minimum of three sealed and lubricated ball bearing rollers (minimum 2" dia., 9/16" width) and suitable guides to assure proper alignment in the top track.

C. Chain link fabric shall be installed over the minimum 24' entrance section gate length (UL-325). Fabric will be attached securely with tension bars that are attached on either frame end by tension bands. High tensile wire will provide additional fabric support across the top and bottom of the gate structure. Green privacy screening shall be installed on the chain link portion of the gate covering the entrance width which is 24'.

E. Diagonal bracing shall be 1"x2" aluminum (6061-T6) tubing (0.809 lb/ft) welded to the uprights to form a rigid bracing system that does not require field adjustment.

F. Bottom guide wheel assemblies have a minimum of three rubber wheels (with protective covers – UL325) straddling the bottom horizontal gate rail. One assembly shall be attached to each guide post.

G. Gate post brackets, latch and keepers are galvanized steel.

H. Gate posts shall be 4" OD schedule 40 pipe (9.1 lb/ft). Two 4" support posts shall be installed.

5. Installation:

Gate posts shall be set in concrete (3000 psi compressive strength). The footing shall be 16" in diameter with depth approximately 6" deeper than the post bottom. Deeper footing may be required in areas with loose or soft soil. Set post bottom at least 36" below the surface. Posts must be plumb. Install gates plumb, level and secure for the full opening size making sure they move free of obstructions. Adjust hardware for smooth operation.

**Note – The Public Works Department will disassemble existing gate, remove two (2) 3" posts and prepare site for new installation.

6. Automated Access System

Powermaster[®], or equivalent, with separate terminal-mounted keypad.