

City of Wichita Public Works & Utilities Stormwater Management Division

Wichita Valley Center Flood Control Project Structure Rehabilitation

Project #468-84807 OCA #660811



Sluice Gate Rehabilitation General Notes

1. The following sluice gate parts shall be replaced on each gate and shall be manufactured by Hydro Gate or approved equivalent:
 - Crank lift - Rising stem with 4:1 ratio with stop nut and galvanized metal stem cover with plastic window, and pedestal flush mounted level to structure top, base grouted as necessary. All new crank lifts will include grease zerks for lubrication of the stem.
 - Stem - 2" diameter 304 stainless steel with left hand roll threads.
 - Stem guide - Split-type, cast iron bracket with bronze guide collar.
 - Stem block - Manganese bronze, threaded and bolted to the stem.
2. Dimensions listed on the plans are for information only. The Contractor is to verify all dimensions including the required stem length.
3. The gates shall be thoroughly cleaned and inspected. The portions of the gate requiring lubrication shall be maintained as recommended by the manufacturer.
4. The gates shall be brought to full operation and demonstrated by the manufacturer's representative and Contractor prior to City acceptance.
5. Steel gate components shall be painted/sealed as recommended by the manufacturer.
6. The rehabilitation construction details shall be prepared by the manufacturer and submitted by the Contractor for shop drawing review by the City Engineer, and Stormwater/Flood Control Supervisor.
7. The new pedestal gear box crank lift shall use a 2" square nut per AWWA specifications, compatible with Wichita/Sedgwick County Flood Control electric drill socket



Flap Gate and Stem Cover Rehabilitation General Notes

1. Dimensions and part sizes listed on the plans are for information only. Contractor will verify dimensions and part sizes prior to installation.

Project General Notes

1. Contractor will field verify existing structure locations and any necessary parts, materials and labor needed to complete the structure rehabilitation prior to construction. Any additional necessary parts, materials and labor during construction must be approved by the City Engineer and the Flood Control Supervisor. These items will be paid for as incidental to Lump Sum Bid Item "Structure Rehabilitation".
2. Contractor will seed and mulch all disturbed areas to City of Wichita Standard Specifications, and cover all disturbed areas with NA SC 150 erosion control blanket or approved equivalent on slopes greater than 6:1. Seeding and mulching and erosion control blanket will be paid for as incidental to Lump Sum Bid Item "Structure Rehabilitation".
3. Any traffic control necessary for this project will be in compliance with the "Manual of Uniform Traffic Control Devices" and approved by the Engineer prior to traffic control setup. This work will be paid for as incidental to Lump Sum Bid Item "Structure Rehabilitation".
4. Shop drawings, for the reinforced concrete headwall to be installed, shall be approved by the City Engineer and Flood Control Supervisor prior to construction.
5. The Contractor will be required to provide a minimum of twenty-four (24) hours notice prior to starting any excavation to the following utility companies:

Kansas One-Call
1-800-DIG-SAFE

The Contractor must notify the following in case of an emergency:

Cox Communications	262-0661
Kansas Gas Service	1-888-482-4950
Black Hills Energy	941-1654
Westar	261-6315
SBC	1-800-286-8313
City of Wichita Water Department	262-6000
City of Wichita Sewer Maintenance	262-6000