CANTILEVER SLIDE GATE TYPE B FENCE

**TYPICAL FRAME - 24' Opening**

- **Back Frame** (No Fabric)
- **Gate Frame**
- **Gate Opening Between Posts**
- **Front Elevation**

**GENERAL NOTES**

1. Extruded, rolled or formed components that provide equal strength and stability may be used in lieu of the pipe components shown, and internal rollers may be used in lieu of the external roller units shown.

2. Steel gate frame shall be fabricated prior to galvanizing, except that truss rods may be extruded following frame galvanizing provided surfaces damaged during welding are galvanized in accordance with Section 24 of AASHTO M36, or, fabricated from pipe components with protective coating meeting the requirements of Index 550-002 and a protective coating applied to the weld and damaged pipe surfaces that is equivalent to the protective coating of the fabricated pipe stock.

3. All fabric shall be knuckled top and bottom selvages.

4. Concrete for bases shall be either Class NS concrete in accordance with Specification 347 or a packaged, dry material meeting the requirements of a concrete under ASTM C-387.

5. Cost of all gate components shall be included in the contract unit price for Sliding Fence Gate (Cantilever), EA.

**DETAIL A**

- **Support Post**
- **Roller Spacer**
- **Gate**

**DETAIL B**

- **TYPICAL FRAME - 24' Opening**
- **TYPICAL FRAME - 12', 16' & 20' Opening**

**Table: Gate Opening, Gate Frame, Back Frame**

<table>
<thead>
<tr>
<th>Gate Opening</th>
<th>Gate Frame</th>
<th>Back Frame</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>12.3'</td>
<td>6</td>
</tr>
<tr>
<td>16</td>
<td>16.3'</td>
<td>8</td>
</tr>
<tr>
<td>20</td>
<td>20.3'</td>
<td>10</td>
</tr>
<tr>
<td>24</td>
<td>24.3'</td>
<td>12</td>
</tr>
</tbody>
</table>

**Materials**

- **Concrete**
- **Steel Pipe** Sch. 40 Steel Pipe 2.375" Nom. Dia. 2.875" OD 9.11 #/Ft. 12' Long (To Be Furnished And Installed With Gate)
- **Steel Gate Frame**
- **Truss Rods**
- **Latch & Catch** As Required

**Components**

- **Gate Latch Post Sch. 40 Steel Pipe 2.375" Nom. Dia. 2.875" OD 9.11 #/Ft. 12' Long (To Be Furnished And Installed With Gate)
- **Truss Rods**
- **Latch & Catch** As Required

**Fabric**

- **Concrete Shall Be Crowned 1" Above Natural Ground At All Posts.**
- **Truss Rod With Hole For Truss Rod, Truss Rod Threaded For 1/4 Nut.**
- **Welded Plate With Hole For Truss Rod. Truss Rod Welded Plate With Hole For Overall Frame.)
- **Points In Each End & 2.72 #/Ft. (At Size 1.9" OD 40 1/2"Ø Pipe Sch. 40 Steel Pipe 3"Ø Latch Post Sch. 40 Steel Pipe 2.375" Nom. Dia. 2.875" OD 9.11 #/Ft. 12' Long (To Be Furnished And Installed With Gate)
- **Truss Rods**
- **Latch & Catch** As Required

**Design Notes**

- **18" Dia. (Typ.)**
- **2" OD Pipe Vertical Members**
- **6"" Dia. Truss Rods**
- **Slot For Rods**
- **Latch & Catch As Required**
- **Concrete Shall Be Crowned 1" Above Natural Ground At All Posts.**
- **Truss Rod With Hole For Truss Rod, Truss Rod Threaded For 1/4 Nut.**
- **Welded Plate With Hole For Overall Frame.)
- **Points In Each End & 2.72 #/Ft. (At Size 1.9" OD 40 1/2"Ø Pipe Sch. 40 Steel Pipe 3"Ø Latch Post Sch. 40 Steel Pipe 2.375" Nom. Dia. 2.875" OD 9.11 #/Ft. 12' Long (To Be Furnished And Installed With Gate)
- **Truss Rods**
- **Latch & Catch** As Required

**Fabrication Notes**

- **Gate components shall meet or exceed the protective coatings specified on Index 550-002.**
- **Steel gate frame shall be fabricated prior to galvanizing, except that truss rods may be extruded following frame galvanizing provided surfaces damaged during welding are galvanized in accordance with Section 24 of AASHTO M36, or, fabricated from pipe components with protective coating meeting the requirements of Index 550-002 that are tolerant of welding (low burn back), and a protective coating applied to the weld and damaged pipe surfaces that is equivalent to the protective coating of the fabricated pipe stock.**

**Concrete and Materials Notes**

- **Materials for Class NS concrete may be proportioned by volume and/or by weight.**
- **Concrete for bases shall be either Class NS concrete in accordance with Specification 347 or a packaged, dry material meeting the requirements of a concrete under ASTM C-387.**
- **Materials for Class NS concrete may be proportioned by volume and/or by weight.**

**Cost Notes**

- **Cost of all gate components shall be included in the contract unit price for Sliding Fence Gate (Cantilever), EA.**

**Drawings and Details**

- **Detail A**
- **Detail B**
- **General Notes**
- **Table: Gate Opening, Gate Frame, Back Frame**
- **Materials**
- **Fabric**
- **Design Notes**
- **Fabrication Notes**
- **Concrete and Materials Notes**
- **Cost Notes**

**Index 550-003**

**Sheet 1 of 1**

**REVIsIO N 01/01/17**

**FY 2020-21 STANDARD PLANS**