Transmission & Distribution
Material & Installation Specification

Single Phase Primary Riser – 200 Amp (One Phase Conductor)

I. Quantity
The base bid shall include the indicated number of Underground Cable Risers of the types specified, furnished, and installed as hereinafter specified.

II. Material
A. The material shall be equal in quality, design, performance to that scheduled on drawing and related TDMIS specifications.
B. Conduit shall be 5” schedule 40 PVC per TDMIS-1001, 1002 and 1003.
C. Conduit stand-off bracket shall be Alumaform # CSO-6 or -9 with #STS-5 straps, or engineer approved equal.
D. Cutouts shall be either 100A or 200A fusible as shown on drawings and shall conform with TDMIS-26.
E. Lightning arresters shall be “Riser Pole” type and shall conform with TDMIS-27.
F. Cable and terminations shall conform with TDMIS-1510.

III. Installation
A. The installation shall be as shown on drawing TDMIS-1300.
B. Installation shall include all labor, tools, equipment, supervision, and materials for a complete and operational riser assembly.

IV. Method of measurement
Measurement shall be for each riser assembly including all labor, equipment, tools, materials, supervision, for a complete and operational system assembly. Cable and cable terminations shall not be included here but rather included with the applicable conductor TDMIS.

V. Basis of payment

<table>
<thead>
<tr>
<th>Items</th>
<th>Unit</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDMIS-1300</td>
<td>Each</td>
<td>Single phase primary riser assembly – 200 AMP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(one phase conductor)</td>
</tr>
</tbody>
</table>
SINGLE PHASE PRIMARY RISER - 200 AMP (SINGLE CONDUCTOR)

OVERHEAD CONSTRUCTION COULD BE TANGENT, SPACER CABLE OR DEADEND CONSTRUCTION. REFER TO ASSOCIATED TDMIS RESPECTIVELY.

CABLE GRIPS, REFER TO TDMIS-1100

POLE GROUNDING, REFER TO TDMIS-7 AND 1607

PIN AND PIN INSULATOR, REFER TO TDMIS-29

HOT LINE CLAMP, REFER TO TDMIS-28

CONDUCTOR SOFT DRAWN BARE COPPER

CUTOUT, REFER TO TDMIS-26

DETAIL 1

DETAIL 2

OVERHEAD CONNECTION

ITEM LIST

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>PART #</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>LIGHTNING ARRESTER</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>CABLE TERMINATOR</td>
<td>21068</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>BRACKET</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>CUTOUT</td>
<td>20383</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>CONNECTOR, H-TAP, COMPRESSION</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>HOTLINE CLAMP</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>CONDUIT STRAP</td>
<td></td>
<td>AS REQ</td>
</tr>
</tbody>
</table>

CITY OF COLUMBUS, OHIO
DEPT. OF PUBLIC UTILITIES - DIVISION OF POWER

SINGLE PHASE PRIMARY RISER - 200 AMP
ONE PHASE CONDUCTOR

DRAWN BY: AEC
APPROVED: R. SPRITE
DATE: 01/01/2018

SCALE: NOT S
SHEET: 2 OF 2

TDMIS-1300