Transmission & Distribution
Material & Installation Specification

Three Phase Primary Riser - 600 Amp

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 600A solid blade as shown on drawings.
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-1303.
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>
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<tr>
<th>Items</th>
<th>Unit</th>
<th>Description</th>
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<tbody>
<tr>
<td>TDMIS-1303</td>
<td>Each</td>
<td>Three phase primary riser assembly – 600 AMP</td>
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DETAIL 1
THREE PHASE PRIMARY RISER - 600 AMP

ITEM LIST

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<tr>
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<td>LIGHTNING ARRESTER</td>
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<td>2</td>
<td>RISER TERMINATION POTHEAD</td>
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<td>3</td>
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<td>3</td>
<td>BRACKET</td>
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<td>4</td>
<td>SOLID BLADE SWITCH, 600 AMP</td>
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<td>5</td>
<td>CONDUIT STRAP</td>
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Coded Notes:

OVERHEAD CONSTRUCTION COULD BE TANGENT, Spacer Cable or Deadend Construction. Refer to associated TDMIS respectively.

Details:

- Refer to TDMIS-10 and 11 for Crossarm specification and detail.
- Refer to TDMIS-7 and 1607 for Pole Grounding details.
- Refer to TDMIS-20 for Pin and Pin Insulator details.
- Refer to TDMIS-406 for Three Phase Deadend.
- Refer to TDMIS-1106 for Cable Grips.

City of Columbus, Ohio
Dept. of Public Utilities - Division of Power

TDMIS-1303

Drawn by: R. Sprite
Approved: R. Sprite
Date: 01/01/2016
Sheet: 2 of 2
Scale: NTNS

THREE PHASE PRIMARY RISER - 600 AMP