

Transmission & Distribution
Material & Installation Specification

Spacer Cable Deadend on Crossarms

I. Quantity

The base bid shall include the indicated number of spacer cable 336 MCM deadend on crossarms furnished and installed as hereinafter specified.

II. Material

- A. Crossarm - Wood, 3 ½" x 4 ½" x 10'-0". Refer to TDMIS-10, or TDMIS-11.
- B. Ground Wire - The ground wire shall be #6 solid soft drawn bare copper.
- C. Connectors - copper compression type.
- D. Preshaped type grip for messenger - For ½" messenger. Preformed Line Products #AWDE-4128.
- E. Preshaped type grip for spacer cable - For 336 MCM spacer cable. Preformed Line Products #ND-0120.
- F. Preshaped type grip for spacer cable - For 556 MCM spacer cable. Preformed Line Products #ND-0123.
- G. 15kv Polymer Deadend Insulator - 5/8" diameter rod deadend insulator. 16" leakage distance. Ohio Brass #401015-0215.
- H. All steel hardware to be hot dipped galvanized.

III. Installation

- A. The installation shall be as shown on drawing TDMIS-304.

IV. Method of measurement

Shall be per each completed assembly including bracket, bolts, washers, ground connections, final sag adjustment, final guy adjustment, tools, labor, equipment and all miscellaneous required for a complete and operational module.

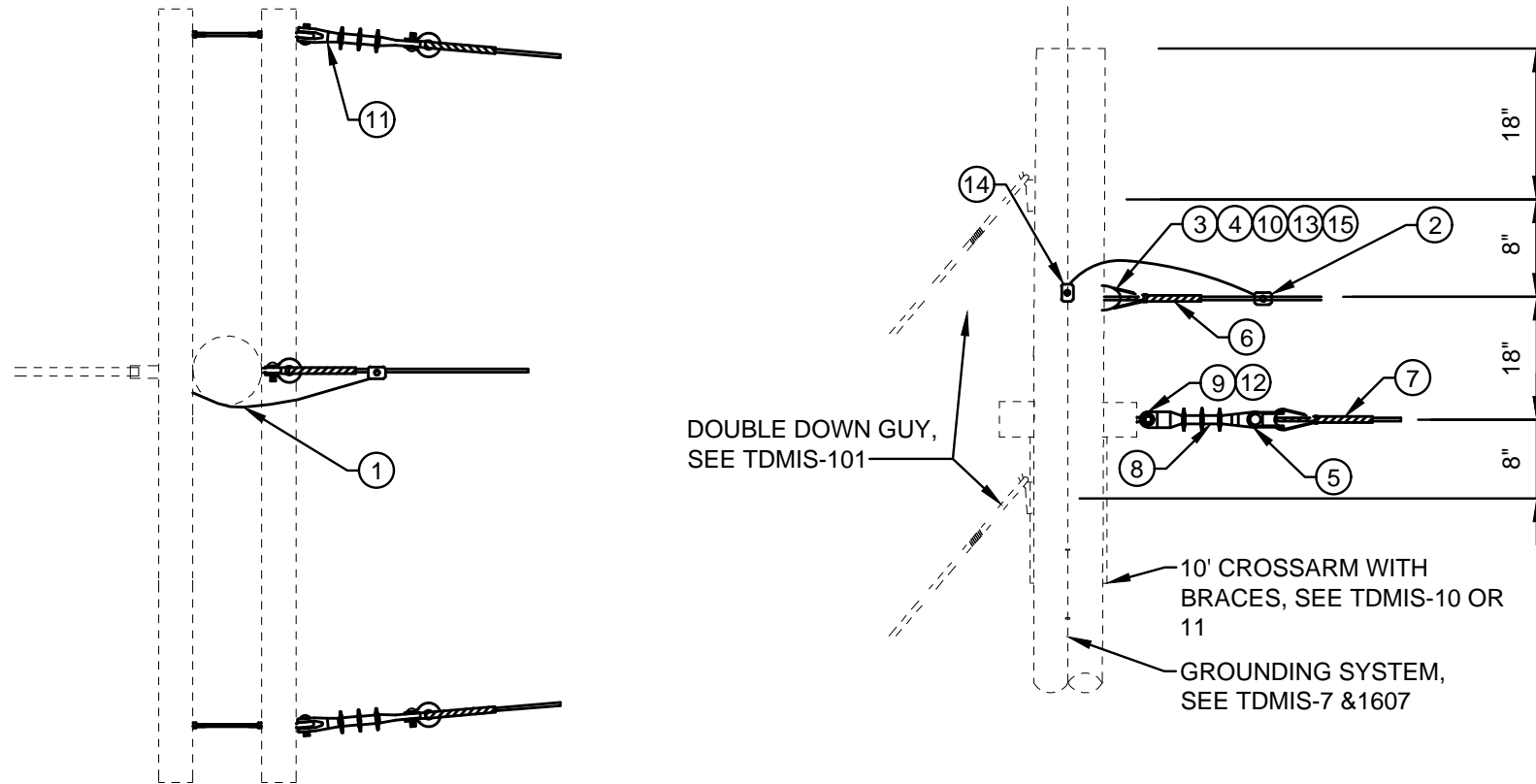
V. Basis of payment

Items	Unit	Description
TDMIS-304	Each	Spacer cable deadend on crossarm

CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER SPACER CABLE DEADEND ON CROSSARM		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-304
APPROVED: R. SPRITE		
SHEET 1 of 2		

GENERAL NOTES:

1. FIRST SPACER 30'-0" FROM POLE.



DOUBLE DOWN GUY,
SEE TDMIS-101

10' CROSSARM WITH
BRACES, SEE TDMIS-10 OR
11

GROUNDING SYSTEM,
SEE TDMIS-7 & 1607

DETAIL 1
SPACER CABLE DEADEND ON CROSSARMS

SCHEDULE			
ITEM #	SUFFIX NO.	DESCRIPTION	PART#
7	1	336MCM PREFORMED GRIP	20233
7	2	556MCM PREFORMED GRIP	20234

ITEM LIST			
ITEM #	DESCRIPTION	PART #	QTY.
①	GROUND WIRE, SOFT DRAWN COPPER, SOLID, #6 MIN.-SEE TDMIS-7	20082	AS REQ.
②	CONNECTOR, COMPRESSION, SIZE #6-#2/0	19629	3
③	MACHINE BOLT, 3/4" X LENGTH AS REQ. (MESSENGER)	42372	1
④	EYE NUT, 3/4", (MESSENGER)	18978	1
⑤	THIMBLE CLEVIS (SPACER CABLE)	20228	3
⑥	PRESHAPED TYPE GRIP (MESSENGER)	19226	1
⑦	PRESHAPED TYPE GRIP (SPACER CABLE)	SEE SCH	3
⑧	INSULATOR, DEAD END TYPE, 15KV	20243	3
⑨	EYE NUT, STANDARD 5/8" (SPACER CABLE)	18977	3
⑩	SPRING LOCK WASHER, 13/16"	18894	1
⑪	SPRING LOCK WASHER, 11/16"	18893	6
⑫	WASHER, FLAT, 2 1/4"X2 1/4"X3/16", 11/16" HOLE	18901	10
⑬	THIMBLE CLEVIS (MESSENGER)	20229	1
⑭	CONNECTOR, COMPRESSION, #6-#6	19628	3
⑮	WASHER, SQUARE CURVED, 4X4X1/4, 15/16" HOLE	18900	1

REFERENCE LIST

TDMIS	DESCRIPTION
1	WOOD POLES
7	OVERHEAD DISTRIBUTION CIRCUIT GROUNDING
10	WOOD CROSSARM - WOOD BRACES
11	WOOD CROSSARM - STEEL BRACES
101	DOUBLE DOWN GUY & ANCHOR WITH INSULATOR
1607	GROUND ROD TEST

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

SPACER CABLE DEADEND ON CROSSARMS

MSCXDE

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APPROVED: R. SPRITE		
SCALE: NTS	SHEET: 2 OF 2	