Transmission & Distribution
Material & Installation Specification

Span Guy with Insulator

I. Quantity

The base bid shall include the indicated number of span guys of this type furnished and installed as hereinafter specified.

II. Material

A. The material shall be equal in quality, design, performance, and appearance to the items specified on drawing TDMIS-105.

B. All steel hardware to be hot dipped galvanized.

C. Guy Hook - malleable iron, hot dip galvanized, integral spur, 13/16” dia. bolt hole, 9/16” max. guy wire dia. Joslyn # J6556 or approved equal.

D. Preformed Grip - Grip for 16M guy wire, 3/8”-7 #8 Alumoweld, color code: orange, Chance #16M-AWSBG, Preformed # AWDE-4122 or approved equal.

E. Insulator - Insulator, strain, fiberglass, 7/8” x 96”, minimum strength 30,000 lbs., Clevis-Clevis end fittings, one sheave wheel, Joslyn # 300-96, Anderson #APF396R or approved equal.

III. Installation

A. The installation shall be as shown on drawing TDMIS-105.

B. This type of span guy shall be installed if there are energized conductors above the guy wire. Additional strain insulators may be required to insulate the span guy. When connecting the insulators back to back use a 90-degree figure-8 link.

C. The guying hardware shall be installed on the pole as shown on the drawings or as directed by the engineer. The guy hooks shall be attached to the pole using a pre-drilled hole. If a new hole must be drilled in the pole, the new hole shall be treated to prevent decay of the wood pole.

D. Guy wire must be installed before line conductors are installed. Guy wires shall be pulled taut by means of a hoist until the pole is pulled over slightly toward the guy.

E. Preformed guy grips shall be used to terminate the guy strand to the guy hook. The ends of the grips are wrapped around the guy strand and snapped into position completing the installation.

IV. Method of measurement

Shall be for complete assembly including, guy strand (length as required), grips, eye plates, bolts and misc. hardware, labor, guy pulling, equipment, tools and all miscellaneous required for a complete and functional module.

V. Basis of payment

Items	Unit	Description
TDMIS-105	Each	Completed span guy with insulator module

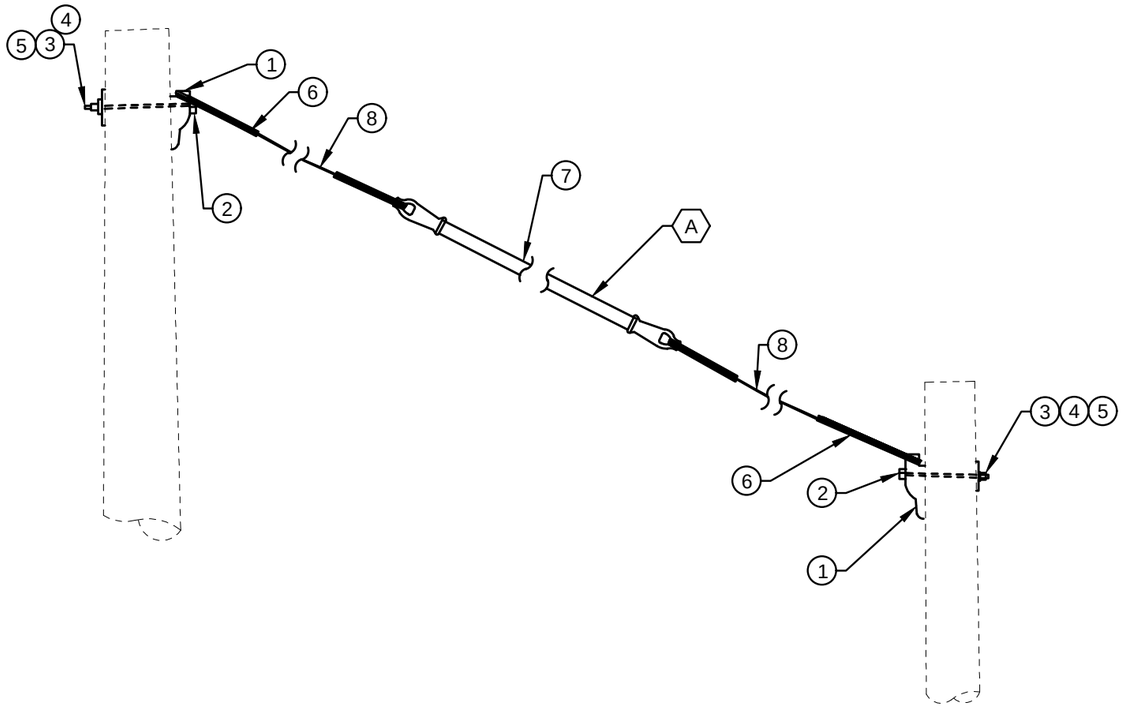
CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER		
SPAN GUY WITH INSULATOR		
DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-105
APPROVED: R. SPRITE		
	SHEET 1 of 2	

CODED NOTES:

(A) ADDITIONAL STRAIN GUY INSULATORS MAY BE REQUIRED.

GENERAL NOTES:

1. TDMIS-105 DOES NOT SPECIFY LENGTH OF GUY WIRE.



DETAIL 1
HOOK, GUY FITTINGS, WITH INSULATOR

ITEM LIST

ITEM #	DESCRIPTION	PART #	QTY.
1	HOOK, GUY FOR 3/4" BOLT, 9/16" MAX DIA., WIRE	19237	2
2	BOLT, MACHINE 3/4" X LENGTH AS REAQUIRED	42372	2
3	WASHER, SQUARE CURVED 4"X4" x1/4", 15/16" DIA. HOLE	18900	2
4	WASHER, SPRING LOCK 13/16" DIA. HOLE, DOUBLE COIL	18894	2
5	NUT, SQUARE 3/4" - 10 UNC (INCLUDED WITH MACHINE BOLT)	XXXXX	2
6	GRIP, GUY ANCHOR, PREFORM FOR 16M WIRE	19225	4
7	INSULATOR, STRAIN, FIBERGLASS, 7/8" X 96", 30,000 LBS.	20241	1
8	16 M ALUMOWELD GUY STRAND, LENGTH AS REQUIRED	19987	AS REQ.

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

SPAN GUY WITH INSULATOR

MPHGF20I

DRAWN BY: AEC	DATE: 01/01/2018	TDMIS-105
APPROVED: R. SPRITE		
SCALE: NTS	SHEET: 2 OF 2	