

**Transmission & Distribution**  
**Material & Installation Specification**

**Secondary and Neutral Deadend Assembly (ACSR/Aluminum)**

**I. Quantity**

The base bid shall include the indicated number of assemblies as shown or required, furnished, and installed as hereinafter specified.

**II. Material**

- A. Secondary hardware shall consist of a 3” spool insulator mounted in a galvanized clevis and a wedge clamp appropriate for the size of the duplex, triplex or quadplex messenger/neutral conductor.
- B. Connector shall be H-Tap type, copper only, for copper to copper connections  
Copper to aluminum or aluminum to aluminum shall be aluminum H-Tap type with antioxidant factory applied within grooves.
- C. All steel hardware to be hot dipped galvanized.

**III. Installation**

- A. The installation shall be as shown on drawing TDMIS-502.
- B. Installation shall include sag and guy adjustments as required to meet clearance requirements of the NESC and any local zoning codes.
- C. Conductor connections shall be completed and operational.

**IV. Method of Measurement**

Shall be per each completed assembly including bracket, bolts, eye nuts, grips, clamps, washers, conductor and ground connections, tools, labor, equipment and all miscellaneous hardware required for a complete and operational module.

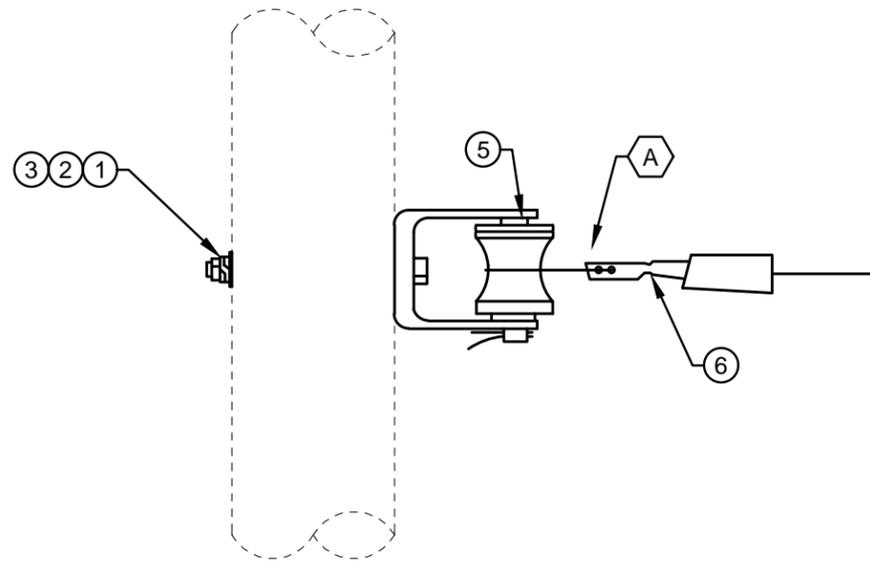
**V. Basis of payment**

Items	Unit	Description
TDMIS-502	Each	Secondary neutral assembly
TDMIS-502	Each	Messenger wedge clamp assembly
TDMIS-502	Each	Messenger clamp assembly

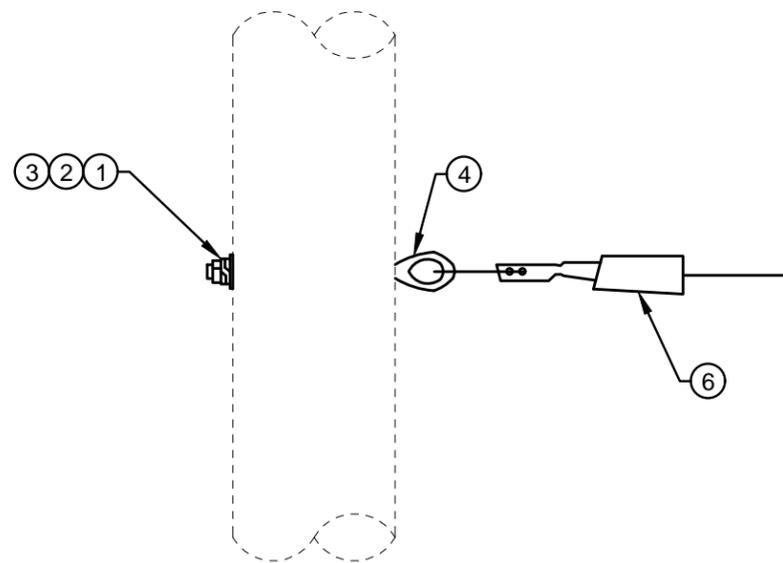
CITY OF COLUMBUS DEPT. OF PUBLIC UTILITIES – DIVISION OF POWER SECONDARY AND NEUTRAL DEADEND ASSEMBLY (ACSR/ALUMINUM)		
DRAWN BY: AEC	DATE: 01/01/2018	<b>TDMIS-502</b>
APPROVED: R. SPRITE		
SHEET 1 of 2		

**CODED NOTES:**

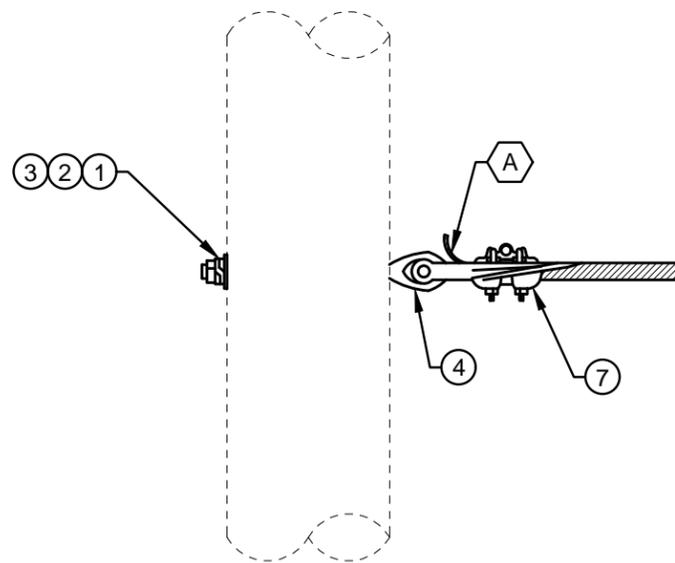
**A** EXTEND CONDUCTOR AS JUMPER IF REQUIRED.



**DETAIL 1**  
**SECONDARY NEUTRAL, #2 THRU 4/0, ACSR**



**DETAIL 2**  
**SECONDARY MESSENGER, WEDGE CLAMP**



**DETAIL 3**  
**SECONDARY MESSENGER, CLAMP**

**ITEM LIST**

ITEM #	DESCRIPTION	PART #	QTY.
①	BOLT, MACHINE, 5/8"XLENGTH AS REQ.	42369	1
②	WASHER, SPRING LOCK, 11/16" HOLE, DOUBLE COIL	18895	1
③	WASHER, SQUARE CURVED, 2 1/4"X2 1/4"X3/16", 11/16" HOLE	18901	1
④	OVAL EYE NUT, 5/8"	18977	1
⑤	INSULATOR, CLEVIS	19285	1
⑥	WEDGE CLAMP, 4/0-1/0 ACSR	20225	1
⑦	STRAIN CLAMP	59885	1

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

**SECONDARY AND NEUTRAL  
DEADEND ASSEMBLIES (ACSR/ALUMINUM)**

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

**TDMIS-502**