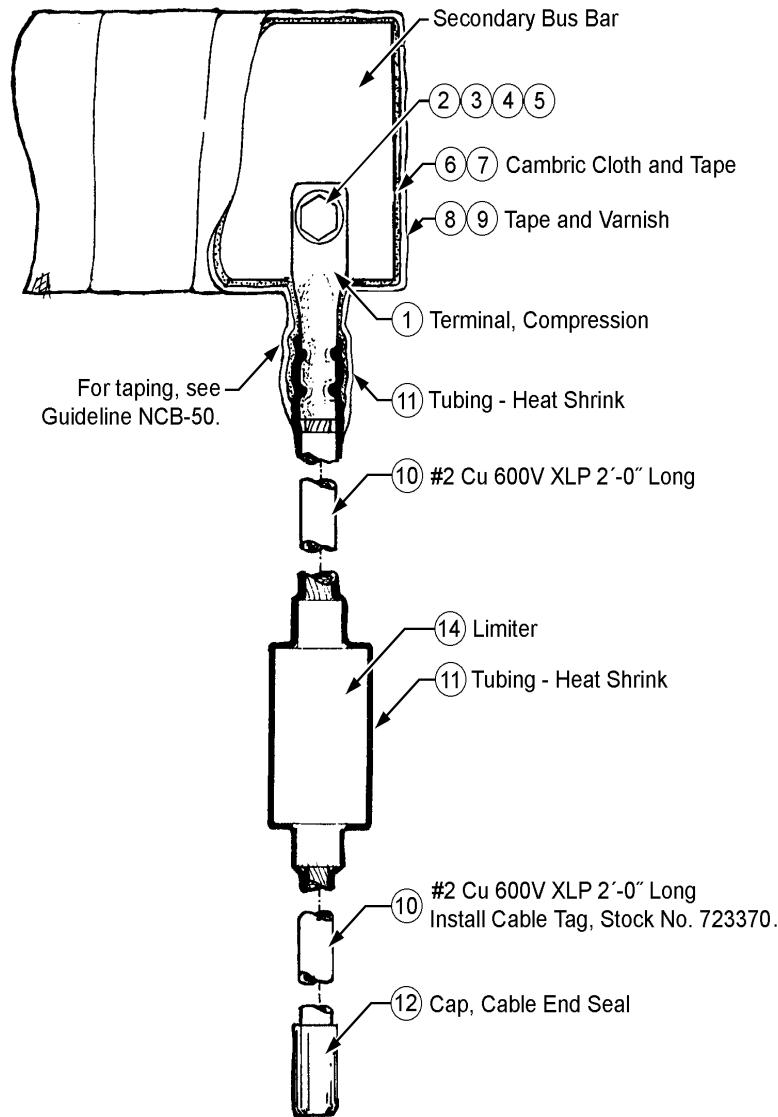


**TRAFFIC AND STREETLIGHT SERVICES IN NETWORK AREAS**




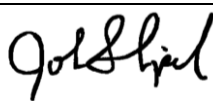
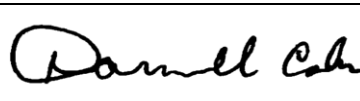
Connection to Bus Assembly of Cable and Limiter by City Light

Fusing is supplied and installed as follows:

**For Streetlighting:** City Light supplies and fuses in the Streetlight Distribution Manhole/Handhole per SCL 1714.50 and 1730.00.

**For Traffic Control:** Seattle Department of Transportation supplies and connects the fuse holder, fuse, and wire to the pigtail on the load side of the limiters.

**Note:** This standard is also intended for use as a general guideline to connect bus bars, insofar as a 2'-0" pigtail is placed between the bus bar and the limiter and both are sealed with heat shrink tubing. Refer to Guideline NCB-50, paragraphs 5, 6, 7, and 8 for additional parts procedures.

| STANDARDS COORDINATOR  | STANDARDS SUPERVISOR   | UNIT DIRECTOR   |
|--|--|---|
| <br>Yaochiem Chao | <br>John Shipek | <br>Darnell Cola |

SEATTLE CITY LIGHT  
**CONSTRUCTION STANDARD**

STANDARD NUMBER: **NCB-70**

PAGE: 2 of 2

SUPERSEDING: November 3, 2014

EFFECTIVE DATE: April 19, 2017

**A. Seattle City Light Shall:**

1. Make all connections to the secondary bus bars and the neutral bus.
2. Install pigtails on all three secondary bus bars complete with limiters.
3. Install a white copper pigtail to the vault neutral bus.
4. Mark each secondary bus bar pigtail with a metal tag reading "Traffic/Streetlight Only."
5. Mark the white copper neutral bus pigtail with a metal tag reading "Traffic/Streetlight Neutral."
6. Label circuits per SCL 1714.10.

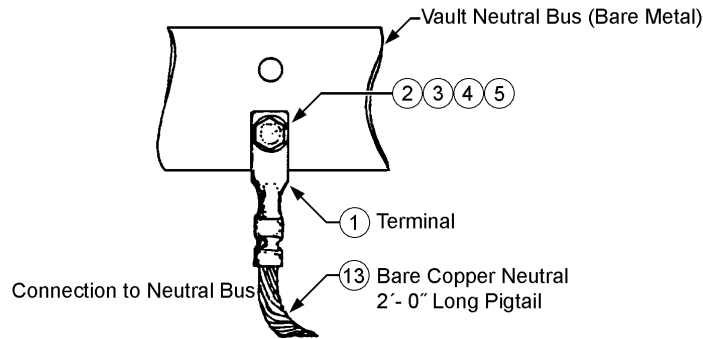
Refer to Construction Guidelines NSV-20, NCI-80, NCB-100, NCB-20, NCB-30, and NTP-90.

**B. The Customer Shall:**

1. Supply and install on each secondary bus bar pigtail a fuse holder with fuse element, and code-size conductors from the fuse holder to the load.
2. Supply and install the required neutral tap from the vault neutral bus pigtail to the load.
3. Use only those conduits agreed upon by Seattle City Light.

**C. Prohibition:**

The connection of streetlighting or traffic control loads to any other power source within a vault manhole or other network facility is prohibited.



**D. Material List, Seattle City Light Supplied and Installed**

| Item | Description                        | Stock No. |
|------|------------------------------------|-----------|
| 1    | Lug, #2 Copper Compression         | 677071    |
| 2    | Bolt, 1/2" X 1-1/2" Silicon Bronze | 784587    |
| 3    | Nut, 1/2" Silicon Bronze           | 783325    |
| 4    | Washer, Flat, 1/2" Silicon Bronze  | 788026    |
| 5    | Washer, Lock, 1/2" Silicon Bronze  | 788125    |
| 6    | Cloth, Varnished Cambric, Black    | 735283    |
| 7    | Tape, Friction, 3/4"               | 736400    |
| 8    | Tape, Friction, 2"                 | 736415    |
| 9    | Varnish, Insulating, Clear         | 725471    |
| 10   | Cable, 600 Volt, XLP, Copper, #2   | 613730    |
| 11   | Tubing, Heat Shrink, Heavy, 9"     | 737450    |
| 12   | Cap, Heat Shrink                   | 737475    |
| 13   | Wire, #2 Bare Str. Copper          | 610434    |
| 14   | Limiter, 600 V, CU to CU, #2       | 683643    |