

UM2-1/UM2-3

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing – This specification is for mounting the stand-off brackets and strapping conduit to the brackets. Riser assembly is separate.
- Support spacing shall be at eight feet maximum

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove conduit straps from conduit - then remove stand-off brackets
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove conduit straps from conduit - then remove stand-off brackets
- Install new stand-off brackets and conduit straps in accordance to Construction Specification Drawing - Riser assembly is separate
- Support spacing shall be at eight feet maximum
- Labor and Temporary Material removed as needed during installation (i.e. “cover-ups, switching, etc.”)
- All Removed Material shall be returned to the District Storeroom in which the project is located

VUM2-4/VUM2-4.1

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing – **VUM2-4** for 100 amp Cutout and **VUM2-4.1** for 600 amp switch
- Jumpers will be complete from the OH circuit conductors through the Cutout/switch to the Underground Terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutral to the Overhead Neutral Conductor

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove Jumper from OH circuit phase conductor - then remove riser assembly
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove Jumper from OH circuit phase conductor - then remove riser assembly
- Install new riser assembly in accordance to Construction Specification Drawing
- Reconnect the jumper from OH circuit conductor through cutout/switch to the Underground cable terminator
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutral to the Overhead Neutral Conductor
- Labor and Temporary Material removed as needed during installation (i.e. “cover-ups, switching, etc.”)
- All Removed Material shall be returned to the District Storeroom in which the project is located

VUM2-5

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing
- Jumpers will be complete from the OH circuit conductors through 600amp switches to the Underground Terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove Jumpers from OH circuit phase conductors - then remove riser assembly
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove Jumpers from OH circuit phase conductors - then remove riser assembly
- Install new riser assembly in accordance to Construction Specification Drawing
- Reconnect all jumpers from OH circuit conductors through 600amp switches to the Underground cable terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor
- Labor and Temporary Material removed as needed during installation (i.e. "cover-ups, switching, etc.")
- All Removed Material shall be returned to the District Storeroom in which the project is located

VUM2-6.1/VUM2-6.2

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing – **VUM2-6.1** for 100 amp Cutout and **VUM2-6.2** for 200 amp Cutout
- Jumpers will be complete from the OH circuit conductors through Cutouts/arresters to the Underground Terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove Jumpers from OH circuit phase conductors - then remove riser assembly
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove Jumpers from OH circuit phase conductors - then remove riser assembly
- Install new riser assembly in accordance to Construction Specification Drawing
- Reconnect all jumpers from OH circuit conductors through cutouts/arresters to the Underground cable terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor
- Labor and Temporary Material removed as needed during installation (i.e. “cover-ups, switching, etc.”)
- All Removed Material shall be returned to the District Storeroom in which the project is located

VUM2-7/VUM2-8/VUM2-9

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing – **VUM2-7** for 4/0 CU, **VUM2-8** for 500MCM CU and **VUM2-9** for 1000 MCM AL
- Jumpers will be complete from the OH circuit conductors through 600amp switches to the Underground Terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove Jumpers from OH circuit phase conductors - then remove riser assembly
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove Jumpers from OH circuit phase conductors - then remove riser assembly
- Install new riser assembly in accordance to Construction Specification Drawing
- Reconnect all jumpers from OH circuit conductors through 600amp switches to the Underground cable terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor
- Labor and Temporary Material removed as needed during installation (i.e. “cover-ups, switching, etc.”)
- All Removed Material shall be returned to the District Storeroom in which the project is located

VUM2-10

Labor shall be based on the following:

Construction

- This unit is for **REMOVAL ONLY**

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove Jumpers from circuit conductors
- Remove Arrester Jumpers and Arresters
- Remove the remaining jumpers, air break switch and underground riser assembly
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- (Replace with appropriate VUM2 current specification, which may require new pole and framing)

VUM2-11.2/VUM2-11.3

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing – **VUM2-11.2** for 500MCM CU and **VUM2-11.3** for 1000MCM AL
- Install Line Tap Switches to OH Phase Conductors
- Jumpers will be complete from the load side of the Line Tap Switches to the Underground Terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove Jumpers from Line Tap Switches - then remove riser assembly and Line Tap Switches
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove Jumpers from Line Tap Switches - then remove riser assembly and Line Tap Switches
- Install new switches and riser assembly in accordance to Construction Specification Drawing
- Reconnect all jumpers from Line Tap Switches to Underground cable terminators
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor
- Labor and Temporary Material removed as needed during installation (i.e. “cover-ups, switching, etc.”)
- All Removed Material shall be returned to the District Storeroom in which the project is located

VUM2-12.2/VUM2-12.3

Labor shall be based on the following:

Construction

- Associated labor for construction in existing line (i.e. switching, cover up, etc)
- Assemble in accordance to the Construction Specification Drawing – **VUM2-12.2** for 500MCM CU and **VUM2-12.3** for 1000MCM AL
- Jumpers will be complete from the OH circuit phase conductors to line side of the switch assembly and from the load side of the switch assembly to the Underground Terminators
- Any adjustments needed to insure proper operation of switch – Note bonding of the switch handle to pole ground if used
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor

Removal

- Any labor necessary to prepare for removal (i.e. de-energizing line, grounds, etc.)
- Remove all Jumpers from OH circuit conductors - then remove switch and riser assembly
- All Removed Material shall be returned to the District Storeroom in which the project is located

Replacement

- Include any associated labor required to remove Specified Units.(i.e. cover up, switching, install grounds, etc)
- Remove all Jumpers from OH circuit conductors - then remove switch and riser assembly
- Install new switch and riser assembly in accordance to Construction Specification Drawing
- Reconnect all jumpers from OH circuit phase conductors to switch, and from switch to Underground cable terminators
- Any adjustments needed to insure proper operation of switch – Note bonding of the switch handle to pole ground if used
- Keep Arrester Lead Length under three feet
- Bond Concentric Neutrals to the Overhead Neutral Conductor
- Labor and Temporary Material removed as needed during installation (i.e. “cover-ups, switching, etc.”)
- All Removed Material shall be returned to the District Storeroom in which the project is located