**1. 715-099-000: EXISTING LIGHTING ASSESSMENT (LUMP SUM).**

PAY ITEM NOTE: INCLUDES PAYMENT FOR ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM THE ASSESSMENT OF THE EXISTING LIGHTING SYSTEM. PRIOR TO BEGINNING ANY WORK ON THE EXISTING LIGHTING SYSTEM AND/OR ITS COMPONENTS, THE CONTRACTOR SHALL ASSESS THE SYSTEM AFFECTED BY THE PLANS.  THE PURPOSE OF THE ASSESSMENT IS TO DETERMINE WHAT DEFICIENCIES EXIST AND MAY NEED TO BE CORRECTED PRIOR TO THE INSTALLATION OF ANY NEW LED LIGHT FIXTURES. THE CONTRACTOR SHALL NOTIFY THE CEI A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF PERFORMING THE ASSESSMENT.  THE ASSESSMENT SHALL INCLUDE A THOROUGH REVIEW AND DOCUMENTATION FROM THE LIGHTING LOAD CENTER TO EACH LIGHT POLE AND EVERY ASSOCIATED ELECTRICAL PULL BOX.  ANY DEFICIENCY FOUND SHALL BE RECORDED WITHIN THE EXCEL SPREADSHEET PROVIDED BY THE CEI.

1. EACH LOAD CENTER SHALL BE ASSESSED AND DOCUMENTED AS TO THE EXISTING CONDITION FOR NEC VIOLATIONS, VOLTAGES, BREAKER AMPERAGE(S), AMPERAGE DRAW READINGS (INCLUDING THE MAIN BREAKER), LIGHTING CONTACTOR, SURGE PROTECTION DEVICE, FRAYED OR DAMAGED CONDUCTORS, FAULTY WIRE TERMINATIONS, HOA SWITCH FUNCTIONALITY, CONDUIT SEALANT CONDITIONS AND ANY OTHER CONDITIONS THAT REQUIRE ATTENTION PRIOR TO WORKING ON THE SYSTEM.
2. EACH LIGHT POLE SHALL BE ASSESSED AND DOCUMENTED AS TO THE EXISTING CONDITION FOR POLE DAMAGE, THE MOUNTING TYPE OF THE LIGHT POLE, SOOW CORD CONDITION, BREAKAWAY FUSE-HOLDERS’ CONDITION, POLE LAMACOID TAG PRESENCE AND ANY OTHER CONDITIONS THAT REQUIRE ATTENTION PRIOR TO WORKING ON THE SYSTEM.
3. EACH PULL BOX/JUNCTION BOX SHALL BE ASSESSED AND DOCUMENTED AS TO THE EXISTING CONDITION FOR NEC VIOLATIONS, POLE CABLE DISTRIBUTION TYPE, ELECTRICAL SPLICE CONDITIONS, EARTH GROUND RESISTANCE CHECKS, GROUNDING CONNECTION TYPE, SURGE PROTECTION, 10-AMP SLOW BURN FUSE CONDITION, BREAKAWAY FUSE-HOLDERS CONDITION, STRAIN RELIEF PRESENCE AND ANY OTHER CONDITIONS THAT REQUIRE ATTENTION PRIOR TO WORKING ON THE SYSTEM.

**2. 715-099-001: REPLACE SURGE PROTECTION DEVICE (SPD) TO EXISTING POLE CABLE DISTRIBUTION SYSTEM (EACH ITEM).**

PAY ITEM NOTE: INCLUDES THE COST TO REPLACE THE SPD ASSEMBLY TO AN EXISTING POLE CABLE DISTRIBUTION SYSTEM. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**3. 715-099-002: REPLACE EXISTING POLE CABLE DISTRIBUTION SYSTEM, GROUND MOUNT (EACH ITEM)**

PAY ITEM NOTE: INCLUDES THE COST TO REPLACE THE EXISTING GROUND POLE CABLE DISTRIBUTION SYSTEM AT AN EXISTING LIGHT POLE WITH AN APPROVED TAG-PCDS-CFX-GM-001 MODEL GROUND MOUNT PCDS. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**4. 715-099-003: REPLACE EXISTING POLE CABLE DISTRIBUTION SYSTEM, WALL MOUNT (EACH ITEM).**

PAY ITEM NOTE: INCLUDES THE COST TO REPLACE THE EXISTING WALL MOUNT POLE CABLE DISTRIBUTION SYSTEM AT AN EXISTING LIGHT POLE WITH AN APPROVED TAG-PCDS-WM-001 MODEL WALL MOUNT PCDS. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**5. 715-099-004: REPLACE LIGHTING PULL BOX LID (EACH ITEM).**

PAY ITEM NOTE: INCLUDES THE COST TO REPLACE EXISTING PULL BOX LID WITH A SAME SIZE/TYPE OF LID THAT IS BEING REPLACED. REPLACEMENT PULL BOX LIDS SHALL BE STAMPED “CFX LIGHTING” AND THE SIZE/TYPE SHALL BE DETERMINED DURING THE EXISTING LIGHTING ASSESSMENT. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**6. 715-099-005: F&I GROUND ROD ASSEMBLY (ASSEMBLY ITEM).**

PAY ITEM NOTE: PAY ITEM INCLUDES COSTS TO FURNISH AND INSTALL A COMPLETE POLE GROUND ASSEMBLY, INCLUDING 20LF OF GROUND RODS, COUPLERS, EXOTHERMIC WELD KIT, AND ANY INCIDENTAL FOR A COMPLETE INSTALLATION. ALL GROUND LEADS FOR THE POLE SHALL BE SEPARATELY EXOTHERMICALLY WELDED TO THE GROUND ROD USING THE APPOPRIATE MOLD. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**7. 715-099-006: F&I RE-TERMINATION OF LOAD CENTER CONNECTIONS (EACH ITEM).**

PAY ITEM NOTE: PAY ITEM INCLUDES ANY GROUNDING OR NEUTRAL BUSBARS, RE-TERMINATION OF ALL EXISTING CONNECTIONS TO REMOVE EXPOSED CONDUCTORS, DOUBLE TAPPED CONNECTIONS, SEPARATION OF NEUTRAL AND GROUND TERMINATIONS (WHERE NEEDED), LABELING OF ALL BREAKERS, DUCT SEALANT ON ALL CONDUITS, SILICONE SEALANT AROUND ANY OPENING TO CREATE A WATER-TIGHT CONNECTION, AND VACUUMING AND REMOVING OF ANY DIRT OR DEBRIS. REPLACEMENT OF ANY DEFECTIVE BREAKER, PHOTOCELL OR CONTACTOR FOR THE LOAD CENTER WILL BE PAID FOR SEPARATELY. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**8. 715-099-007: REPLACE EXISTING LIGHTING CONTACTOR (EACH ITEM).**

PAY ITEM NOTE: REPLACE THE EXISTING LIGHTING LOAD CENTER CONTACTOR WITH AN APPROVED ELECTRICALLY HELD CONTACTOR. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**9. 715-099-008: REMOVAL AND REPLACEMENT OF SPLIT-BOLT ELECTRICAL SPLICES (ASSEMBLY ITEM).**

PAY ITEM NOTE: COST TO REPLACE EXISTING SPLIT-BOLT SPLICES WITH NSI INDUSTRIES EASLY SPLICE GEL SPLICE KIT PART NO. ESSLK-2/0. ITEM INCLUDES UP TO 3 SPLICE KITS PER PULL BOX LOCATION. THIS ITEM SHALL NOT BE PAID AT LOCATIONS WHERE THE EXISTING PCDS IS CALLED TO BE REPLACED. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**10. 715-099-009: REPLACE LOAD CENTER SURGE PROTECTION DEVICE (EACH ITEM).**

PAY ITEM NOTE: REPLACE THE EXISTING LIGHTING LOAD CENTER SURGE ARRESTOR WITH AN APPROVED SURGE ARRESTOR. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**11. 715-099-010: LIGHTPOLE GROUNDING (T-BASE) (EACH ITEM).**

PAY ITEM NOTE: FURNISH AND INSTALL OR REPLACE THE POLE AT THE T-BASE AS DEPICTED IN THE POLE CABLE DISTRIBUTION SYSTEM DETAIL.

**12. 715-099-011: STRAIN RELIEF FITTINGS (ASSEMBLY ITEM).**

PAY ITEM NOTE: INSTALL APPROPRIATE STAIN RELIEF FITTINGS FOR THE LIGHT POLE LOCATION IN BOTH THE LIGHTING PULL BOX AND IN THE LIGHT POLE BASE TO ACHIEVE PROPER FUNCTIONALITY OF THE PCDS BREAKAWAY FUSE HOLDERS. THIS ITEM SHALL NOT BE USED AT WALL MOUNT LIGHT POLE LOCATIONS. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**13. 715-099-012: DUCT SEALANT (ASSEMBLY ITEM).**

PAY ITEM NOTE: INSTALL DUCT SEALANT IN ALL CONDUITS IN BOTH THE LIGHTING PULL BOX AND IN THE LIGHT POLE BASE. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**14. 715-099-013: ADJUST POLE CABLE DISTRIBUTION SYSTEM SLACK (EACH ITEM).**

PAY ITEM NOTE: ADJUST EXISTING POLE CABLE DISTRIBUTION SYSTEM SLACK TO ACHIEVE PROPER FUNCTIONALITY OF THE PCDS BREAKAWAY FUSE HOLDERS. THE PCDS ASSEMBLY SHALL HAVE SUFFICIENT SLACK SUCH THAT IT CAN BE ACCESSED THROUGH THE LIGHT POLE HANDHOLD. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**15.** **715-099-014:** **CONCRETE APRON FOR LIGHT POLE/PULL BOX (EACH ITEM)**

PAY ITEM NOTE: COST FOR INSTALLING A 6” CONCRETE APRON FOR A LIGHT POLE LOCATION MEETING THE REQUIREMENTS OF FDOT STANDARD PLAN 715-001. QUANTITY INCLUDED IN TABULATION IS ONLY AN ESTIMATE, LOCATIONS TO BE DETERMINED BY THE EXISTING LIGHTING ASSESSMENT.

**16. 715-099-015: LOAD CENTER NAMEPLATE (EACH ITEM).**

PAY ITEM NOTE: COST FOR REPLACING THE EXISTING LIGHTING LOAD CENTER NAMEPLATE WITH A 5”X3” NAMEPLATE. COORDINATE WITH CFX ON THE NEW LOAD CENTER NAMING CONVENTION. NAMEPLATES ON ALL EXISTING LOAD CENTERS SHALL BE REPLACED.

**17. 715-099-016: LIGHT POLE T-BASE (EACH ITEM).**

PAY ITEM NOTE: REPLACE GROUND MOUNTED LIGHT POLE T-BASE.

**18. 715-099-017: LIGHT POLE IDENTIFICATION TAG (EACH ITEM).**

PAY ITEM NOTE: REPLACE LAMACOID IDENTIFICATION TAG OF EXISTING LIGHT POLES.

**19. 715-099-018: REPLACE JUNCTION BOX COVER (EACH ITEM).**

PAY ITEM NOTE: REPLACE EMBEDDED OR SURFACE MOUNT JUNCTION BOX COVER.