PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Furnish and install exterior lighting system as described in Contract Documents.

B. Products Supplied But Not Installed Under This Section:
   1. Anchor bolts.

C. Related Sections:
   1. Section 03 3053: Concrete bases for light poles and installation of anchor bolts.
   2. Section 26 0501: Common Electrical Requirements.

PART 2 - PRODUCTS

2.1 EQUIPMENT

A. Exterior Fixtures:
   1. Finish shall meet requirements of AAMA 603.8 for baked-on organic coating, AAMA 605.2 high
      performance organic coating, or AAMA Architectural Class I anodizing as necessary to provide
      specified color.
   2. Color shall be Manufacturer's standard white, natural aluminum, or medium bronze as selected
      by Architect before bidding.
   3. Type One Acceptable Products:
      a. As indicated on Fixture Schedule. Do not mix fixtures from different manufacturers for one
         use.
      b. Equals as approved by Architect before bidding. See Section 01 6000.

B. Parking Area Poles:
   1. Designed for wind loading required for Project location as determined by Architect.
   2. Aluminum hinged base type with matching aluminum anchor bolt cover secured to base.
   3. Include hand hole with cover at pole base.
   4. Finish And Color: Match parking area fixtures.

C. Exterior Lighting Control:
   1. Time Switch:
      a. Standard 24-hour dial time switch, 120 volts, NEMA 1 enclosure.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Intermatic: T101.
         2) Paragon: 4001-00.
         3) Tork: 1101.
   2. Photo Cell:
      a. 120 volts.
      b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         1) Intermatic: K4121.
         2) Paragon: CW201-00.
         3) Tork: 2101.
   3. Time Switch:
      a. Standard 7-day time switch with 16-hour minimum reserve power feature, 277 volts, NEMA 1
         enclosure.
b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
   1) Intermatic: T101.
   2) Paragon: 4001-00.
   3) Tork: 1102.

4. Photo Cell:
   a. 277 volts.
   b. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
   1) Intermatic: K4236.
   2) Paragon: CW201-70.
   3) Tork: 2107.

5. Lighting Contactor:
   a. 120 or 277 volt coil, 20 amps, 2 pole, NEMA 1 enclosure.
   b. By same manufacturer as main panelboard.
   c. Category Four Approved Products. See Section 01 6000 for definitions of Categories.
   1) Cutler Hammer: CN35.
   3) Siemens: CLH1B4212A803.
   4) Square D: Class 8903, Type LG-20.

2.2 MANUFACTURERS

A. Contact Information:

PART 3 - EXECUTION

3.1 INSTALLATION

A. Interface With Other Work: Coordinate location of anchor bolts and conduit in concrete bases so pole
will be properly mounted and centered on base.

B. Install hinged light pole bases so poles can be completely lowered to ground without obstruction out
into parking area.

C. Lighting Control:
   1. Install time switches, manual bypass switches, and contactor inside building to control parking
area and building exterior lighting. Label each component to identify lighting controlled, I.E.
‘PARKING LIGHTING’ or ‘BUILDING LIGHTING.’ Label with 1/16 inch 1.5 mm thick laminated
plastic composition material with contrasting color core. Engraved letters shall be 1/4 inch 6 mm
high.
   2. Locate photocell outside building under soffit and away from any light source and direct sunlight.
   3. Wire photocell and time switch in series for photo cell ON, time switch OFF operation.

END OF SECTION