

APPROVED MATERIALS LIST FOR
TRAFFIC SIGNALS

TRAFFIC SIGNAL POLES

Signal Poles and Mast Arms

Valmont Meets Specifications

Pedestal Poles

Pelco 14' Pedestal Pole PB-5102-14-PNC

Pelco Pedestal Pole Base PB55334-1S-GL-PNC

Pelco Pedestal Pole Cap PB-5402-PNC

SIGNAL HEADS

Vehicular Signal Heads

Eagle SA103A1111BBB, SA1041111BBB

Econolite TP31VJF2P0H0, TP41VJF2P0H0

McCain M22435-P, M30883-P

Pedestrian Signal Heads

Eagle PDM06402S-03

Econolite 16" Black Polycarbonate Housing

McCain 16" Black Polycarbonate Housing

Backplates

Pelco BK-1003, BK1004

Red Ball LED Module

Dialight 433-1210-003XL

Leotek TSL-12R-LX-IL6-A1-P3

GE DR6-RTFB-VLA

Yellow Ball LED Module

Dialight 433-3230-901XL

Leotek TSL-12Y-LX-IL6-A1-P3

GE DR6-YTFB-VLA

Green Ball LED Module

Dialight 433-2220-001XL

Leotek TSL-12G-LX-IL6-A1-P3

GE DR6-GTFB-VLA

Red Arrow LED Module

Dialight 432-1314-001XOD

Leotek TSL-12RA-IL6-A1-P3

GE DR6-RTAAN-17A

Yellow Arrow LED Module

Dialight 432-3334-901XOD
Leotek TSL-12YA-IL6-A1-P3
GE DR6-YTAAN-17A

Green Arrow LED Module

Dialight 432-2324-001XOD
Leotek TSL-12GA-IL6-A1-P3
GE DR6-GTAAN-17A

Bi-Modal Arrow LED Module

Dialight 430-6370-001
Leotek TSL-12BM-LD-A1
GE DR6-ECA6-21A

Countdown Pedestrian LED Module

Dialight 430-6479-001X
Leotek TSL-PED-16-CIL-P1
GE PS7-CFF1-27A

Mast Arm Mounting Brackets

Pelco.....AG-0125-3-xx-PNC, AG-0125-4-xx-PNC
Sky Bracket..... SS-SBCxx-46, SS-SBCxx-60

Side of Pole Mounting Brackets

Component Products, Inc..... TSP880

CONDUIT

PVC Conduit

Cantex A52BE12, A52CA12, A52DA12, A52EA12
Carlson..... 49010, 49011, 49013, 49015
Heritage Plastics 8106, 8108, 8112, 8116

PVC Conduit Fittings

Cantex 5133827, 5133828, 5133830, 5133832
Carlson..... UA9AH, UA9AJ, UA9AL, UA9AN
Heritage Plastics 801756, 802757, 802759, 802762

HDPE Conduit

ARNCO Perma-Guard/UL
Carlson..... A13C6N1ENNA, A16C6N1ENNA
Dura-Line..... Smooth Solid Wall SDR11

HDPE to PVC Couplings

Comfit Corp Comfit Coupling
ETCO Specialty Products E-Loc Coupling
Tyco Electronics..... MOON-Link Coupling

PULL AND JUNCTION BOXES

Type 1 Junction Box

Armorcast..... A6001423TA (open bottom)
Hubbell Power Systems PC1212BA12 and PC1212HA0038
New BasisPCA12121212-00138 (“TRAFFIC SIGNAL” nameplate)

Type 2 Junction Box

Armorcast..... A6001429TA (open bottom)
Hubbell Power Systems PG1118BA12 and PC1118HA0038
New BasisPCA111812-00138 (“TRAFFIC SIGNAL” nameplate)

Class 1 Pull Box

Armorcast..... A6001640HDAPCX22 (open bottom)
Hubbell Power Systems PG1730BA22 and PG1730HH0038
New BasisPCA173024-20066(“TRAFFIC SIGNAL” nameplate)

Class 2 Pull Box

Armorcast..... A6001974HDAPCX24 (open bottom)
Hubbell Power Systems PG2436BA24 and PG2436HH0038
New BasisPCA243624-20066 (“TRAFFIC SIGNAL” nameplate)

Class 3 Pull Box

Armorcast..... A6001430HDAPCX24 (open bottom)
Hubbell Power Systems PG3048BA24 and PG3048HH0038
New BasisPCA304824-20134 (“TRAFFIC SIGNAL” nameplate)

CABLE

Signal Control Cable

Advanced Digital Cable..... 8102, 8104, 8105, 8107
Belden 601457, 601137, 601204, 601205
Service Wire Co..... TCXH14/2, TCXH14/4, TCXH14/5, TCXH14/7

Pole and Bracket Cable

Advanced Digital Cable..... 8503
Belden 601431
Service Wire Co..... TCXH12/3

Power Lead-in Cable

Advanced Digital Cable..... 302
Cerrowire 1201-46
Service Wire Co..... USE2

Ground Wire

Advanced Digital Cable..... BC06
Cerrowire 050-2200x
Service Wire Co..... BSOS6 (Soft Drawn)

TRAFFIC SIGNAL CONTROLLER, CABINET, AND COMPONENTS

Controller

EconoliteCobalt ATC

Cabinet

EconoliteNEMA TS2 Type 2 Size 6

Conflict Monitor

Eberle Design Incorporated (EDI) MMU2-16LE

Naztec MMU 516L-E

Flashers

Eberle Design Incorporated (EDI) 810

PDC..... SSF-86-3

Traffic Sensor Corp..... 204-15

Load Switches

Eberle Design Incorporated (EDI) 510

PDC..... SSS-86

Traffic Sensor Corp.....200 CUBE

Flash Transfer Relays

MagnacraftW21ACPX-5

Mid-Tex 136-62T-3A1

Surge Protectors

Edco SHA 1210

GPS Time Sync

EconoliteGPS DB25 Serial Time Sync Assembly

SECONDARY SERVICE ENCLOSURES

Myers Electrical Products MET2-VLM-LTS-R

Pacific Utility ProductsUSPR-100-112C-LT

Photoelectric Cells

American Electric Lighting (AEL) DPR124-2.6-TJBK

Area Lighting Research (ALR).....SST-PV-IES

LUMINAIRES

Class A LED Luminaires

American Electric Lighting (AEL) ATB2-80BLEDE70-MVOLT- R2-IL-P7-AO-SH

Photometric File..... ATB2_80BLEDE70_XXXXX-R2_4K_5K.ies

Class D LED Luminaires

American Electric Lighting (AEL) ATB0-30BLEDE70-MVOLT-R2-IL-P7-AO-SH

Photometric File..... ATB0_30BLEDE70_XXXXX-R2_4K_5K.ies

DETECTION

APS Pedestrian Pushbutton Detector

PolaraEN43TB0-Y
Campbell AGPS

Emergency Vehicle Preemption System

Opticom One-Way Detector 721
Opticom Two-Way Detector..... 722
Opticom Two Channel Phase Selector 762
Opticom Four Channel Phase Selector 764
Opticom Detector Cable Model 138
Pelco Mounting Bracket AB-0163-xx-PMC

Radar Detection System

Econolite AccuScan Radar Presence Detector300C
Econolite AccuScan Radar Presence and Advance Detector600C
Econolite AccuScan Radar Interface Panel
Econolite AccuScan Traffic Management Interface Board (TMIB) Module
Wavetronix SmartSensor Matrix Presence Detector SS-225
Wavetronix SmartSensor Advance DetectorSS-200V
Wavetronix Smart Sensor Mounting Harness SS-611
Wavetronix Cabinet Interface ModuleCLK-650 SDLC
Wavetronix SmartSensor 6-Conductor Cable..... SS-705

Video Detection System

Econolite Autoscope Solo Terra

MISCELLANEOUS

Mast Arm Sign Mounting Brackets

Pelco..... AG-0142-yy-xx-PNC
Sky Bracket.....SS series

Multiple Tap Connectors

Burndy 1PLD42, 1PLD43
Morris Products..... 97112, 97613

Ground Rod

Erico..... 635800
Hubbell Power SystemsC615800
ITT Blackburn..... 6260

Grounding Clamp

Burndy GRC58
Erico..... CP58
ITT Blackburn..... G5

Conduit Markers

Electrical Midwest

Greaves