



Roadway Illumination and Electrical Supplies

Material Producer List

Traffic Safety Division – Traffic Engineering Section

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Materials Pre-qualified for Illumination and Electrical items 610-687

No additional submittals are required for products that are pre-qualified

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For more information about these materials, contact the Traffic Safety Division, Engineering Operations Branch at (512) 416-3232. To submit materials that meet the following categories, please send an e-mail request to: trf-electrical-illumination-submittals@txdot.gov

Notice:

All submittal and corresponding documentation becomes public information.

All manufacturers' products that are listed within this document are pre-qualified. Manufacturer name change does not change the pre-qualified status of the original material. TxDOT reserves the right to remove any manufacturer or product from this list, at any time. Manufacturers interested in being added to the pre-qualified list should contact Traffic Operations Division.

Item 610 – Roadway Illumination Assemblies - Poles

General

Roadway Illumination Poles do not need to be pre-qualified when TxDOT RIP (Roadway Illumination Pole) standard sheets are included in the plan set.

Construction

Perform work in accordance with the details shown on the plans, and the requirements of Item 610 and applicable Special Provisions to Item 610.

Fabricate steel roadway illumination poles in accordance with TxDOT standards RIP (Roadway Illumination Pole). Poles fabricated according to RIP standard sheets require no shop drawings.

Alternate designs to RIP or the use of aluminum to fabricate poles will require the submission of shop drawings electronically.

For instructions on the requirements and procedures of shop drawings go to:

https://ftp.txdot.gov/pub/txdot-info/library/pubs/bus/bridge/e_submit_guide.pdf

Click on “Requirements and Procedures for Optional and Non-Standard Illumination Pole Designs and Shop Drawings.”

Item 610 – Roadway Illumination Assemblies

General

The following products are pre-qualified for use on the projects where roadway illumination assemblies are furnished or installed as required by the item descriptive code. Fixtures are subject to testing. No substitutions of products will be allowed when pre-qualified products are shown. Where miscellaneous parts, brackets, hardware, nuts, bolts, washers, or other incidentals are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications.

Item 610 - Roadway Illumination Assemblies – LED Luminaire

Manufacturer	Brand	Type	Model
TraStar 860 N. Dorothy Drive #600 Richardson, TX 75081 (972) 480-0888 trastarusa.com	Duralight	◆ 150W EQ LED – (65W)-120/240 Volt; LLF=0.766	◆ JXM-ST140-3-40K-120-4-GR-SCLB-G2
		◆ 150W EQ LED – (65W)-480/240 Volt; LLF=0.766	◆ JXM-ST140-3-40K-480-4-GR-SCLB-G2
		◆ 250W EQ LED(120W)-120/240 Volt; LLF=0.766	◆ JXM-ST180-3-40K-120-2-GR-SCLB-G2
		◆ 250W EQ LED(120W)-480 Volt; LLF=0.766	◆ JXM-ST180-3-40K-480-2-GR-SCLB-G2
		◆ 400W EQ LED (155W)-120/240 Volt; LLF=0.766	◆ JXM-ST180-4-40K-120-2-GR-SCLB-G2
		◆ 400W EQ LED (155W)-480 Volt; LLF=0.766	◆ JXM-ST180-4-40K-480-2-GR-SCLB-G2
		◆ 150W EQ LED – (65W)-120/240 Volt; LLF=0.766	◆ DURA-ST15-4K-120-3-GR-SCLB-G2
		◆ 150W EQ LED - (65W)- 480 Volt; LLF=0.766	◆ DURA-ST15-4K-480-3-GR-SCLB-G2
		◆ 250W EQ LED(120W)-120/240 Volt; LLF=0.766	◆ DURA-ST25-4K-120-2-GR-SCLB-G2
		◆ 250W EQ LED(120W)-480 Volt; LLF=0.766	◆ DURA-ST25-4K-480-2-GR-SCLB-G2
		◆ 400W EQ LED (185W) 120/240 Volt; LLF=0.766	◆ DURA-ST40-4K-120-2-GR-SCLB-G2
		◆ 400W EQ LED (185W)-480 Volt; LLF=0.766	◆ DURA-ST40-4K-480-2-GR-SCLB-G2
		◆ 150W EQ LED – (65W)-120/240 Volt; LLF=0.766	◆ DURA-STR15-4K-120-4-GR-SCLB
		◆ 150W EQ LED - (65W)- 480 Volt; LLF=0.766	◆ DURA-STR15-4K-480-4-GR-SCLB

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Manufacturer	Brand	Type	Model
TraStar 860 N. Dorothy Drive #600 Richardson, TX 75081 (972) 480-0888 trastarusa.com	Duralight	♦ 250W EQ LED (120W)-120/240 Volt; LLF=0.766	♦ DURA-STR25-4K-120-2-GR-SCLB
		♦ 250W EQ LED (120W)- 480 Volt; LLF=0.766	♦ DURA-STR25-4K-480-2-GR-SCLB
		♦ 400W EQ LED (185W) 120/240 Volt; LLF=0.766	♦ DURA-STR40-4K-120-2-GR-SCLB
		♦ 400W EQ LED (185W)-480 Volt; LLF=0.766	♦ DURA-STR40-4K-480-2-GR-SCLB

Item 610 - Roadway Illumination Assemblies – LED Luminaire

Manufacturer	Brand	Type	Model
Cooper Lighting Solutions (formerly Eaton) 1121 Highway 74 South Peachtree City, GA 30269 (770) 486-4800 cooperindustries.com	Streetworks	◆ 150W EQ LED (50W) - 120/240 Volt; LLF=0.79	◆ VERD-S-CA1-50-740-U-T4-AP- 20MSP-K-PR7-TXDOT-D127891
		◆ 150W EQ LED (50W) - 480 Volt; LLF=0.79	◆ VERD-S-CA1-50-740-8-T4-AP- 20MSP-K-PR7-TXDOT-D127892
		◆ 250W EQ LED (100W) - 120/240 Volt; LLF=0.77	◆ VERD-CA2-100-740-U-T2-AP- 20MSP-K-PR7-TXDOT-D122749
		◆ 250W EQ LED (100W) - 480 Volt; LLF=0.77	◆ VERD-CA2-100-740-8-T2-AP-20MSP- K-PR7-TXDOT-D125802
		◆ 400W EQ LED (150W) - 120/240 Volt; LLF=0.78	◆ VERD-G-CA2-150-740-U-T2-AP- 20MSP-K-PR7-TXDOT-D127893
		◆ 400W EQ LED (150W) - 480 Volt; LLF=0.78	◆ VERD-G-CA2-150-740-8-T2-AP- 20MSP-K-PR7-TXDOT-D127942
		◆ 150W EQ LED (60W)- 120/240 VOLT LLF=0.81	◆ VERD-C01-D-U-T3-4N7-20K-AP- TXDOT-D96083
		◆ 150W EQ LED (60W)- 480 VOLT LLF=0.81	◆ VERD-C01-D-8-T3-4N7-20K-AP- TXDOT-D96084
		◆ 250W EQ LED (110W)-120/240 VOLT LLF=0.81	◆ VERD-C02H-D-U-T2-4N7-20K-AP- TXDOT-D96085
		◆ 250W EQ LED (120W)-480 VOLT LLF=0.81	◆ VERD-C02H-8-T2-4N7-20K-AP- TXDOT-D96082
		◆ 400W EQ LED (160W)- 120/240 Volt; LLF=0.81	◆ VERD-G-C02H-D-U-T2-4N7-20K-K- AP-TXDOT-D96080
		◆ 400W EQ LED (160W)- 480 Volt; LLF=0.81	◆ VERD-G-C02H-D-8-T2-4N7-20K-K- AP-TXDOT-D96081
		◆ 150W EQ LED (60W)- 120/240 VOLT LLF=0.81	◆ VERD-C01-D-U-T3-4N7-20K-AP- TXDOT-D0208
◆ 150W EQ LED (60W)- 480 VOLT LLF=0.81	◆ VERD-C01-D-8-T3-4N7-20K-AP- TXDOT-D0209		

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Cooper Lighting Solutions (formerly Eaton) 1121 Highway 74 South Peachtree City, GA 30269 (770) 486-4800 cooperindustries.com	Streetworks	◆ 250W EQ LED (110W)-120/240 VOLT LLF=0.81	◆ VERD-C02H8-D-U-T2-4N7-20K-AP- TXDOT-D0210
		◆ 250W EQ LED (110W)-480 VOLT LLF=0.81	◆ VERD-C02H8-D-8-T2-4N7-20K-AP- TXDOT-D0211
		◆ 400W EQ LED (160W)- 120/240 Volt; LLF=0.81	◆ VERD-G-C02H-D-U-T2-4N7-20K-AP- TXDOT-D0212
		◆ 400W EQ LED (160W)- 480 Volt; LLF=0.81	◆ VERD-G-C02H-D-8-T2-4N7-20K-AP- TXDOT-D0213
		◆ 150W EQ LED (72W)- 120/240 VOLT LLF=0.86	◆ VERD-A028-D-U-T3-4N7-20K-AP- TXDOT-D0077
		◆ 150W EQ LED (72W)- 480 VOLT LLF=0.86	◆ VERD-A028-D-8-T3-4N7-20K-AP- TXDOT-D0078
		◆ 250W EQ LED (143W)-120/240 VOLT LLF=0.816	◆ VERD-G-A02-D-U-T2-4N7-20K-AP- TXDOT-D0027
		◆ 250W EQ LED (154W)-480 VOLT LLF=0.816	◆ VERD-G-A02-D-8-T2-4N7-20K-AP- TXDOT-D0028
		◆ 400W EQ LED (180W)- 120/240 Volt; LLF=0.81	◆ VERD-M-A03-D-U-T2-4N7-20K-AP- TXDOT-D0004
◆ 400W EQ LED (180W)- 480 Volt; LLF=0.81	◆ VERD-M-A03-D-8-T2-4N7-20K-AP- TXDOT-D0005		

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Manufacturer	Brand	Type	Model
GE Lighting Solutions 3010 Spartanburg Hwy East Flat Rock, NC 28726 glightingsystems.com	Evolve	◆ 150W EQ LED (78W)-120V; LLF=0.80	◆ ERS11B3D17404GRAY120
		◆ 150W EQ LED (78W)-240V; LLF=0.80	◆ ERS13B3D17404GRAY120
		◆ 150W EQ LED (78W)-480V; LLF=0.80	◆ ERS15B3D17404GRAY081
		◆ 250W EQ LED (130W)-240V; LLF=0.79	◆ ERS20E3E17404GRAY083
		◆ 250W EQ LED (130W)-480V; LLF=0.79	◆ ERS2HE3E17404GRAY134
		◆ 400W EQ LED (285W)-240V; LLF=0.70	◆ ERS20H3E11404GRAY135
		◆ 400W EQ LED (285W)-480V; LLF=0.70	◆ ERS2HH3E11404GRAY136

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Manufacturer	Brand	Type	Model
Signify (formerly Philips Lighting) Signify Lighting North America 118 Maderas Seguin, TX 78155 https://www.signify.com	Lumec	◆ 150W EQ LED (50W) - 120/240 Volt; LLF=0.88	◆ [RFS-091]-50W16LED4K-G2-R3S-UNV-DMG-API-[FS2-013]-ML-PH9-RCD7-SP2-GY3
		◆ 150W EQ LED (50W) - 480 Volt; LLF=0.88	◆ [RFS-090]-50W16LED4K-G2-R3S-480-DMG-API-[FS2-013]-ML-PH9-RCD7-SP2-GY3
		◆ 250W EQ LED (108W) - 120/240 Volt; LLF=0.88	◆ [RFS-083]-108W32LED4K-G2-R2M-UNV-DMG-API-ML-PH9-RCD7-SP2-GY3
		◆ 250W EQ LED (108W) - 480 Volt; LLF=0.88	◆ [RFS-084]-108W32LED4K-G2-R2M-HVU-DMG-API-ML-PH9-RCD7-SP2-GY3
		◆ 400W EQ LED (160W) - 120/240 Volt; LLF=0.87	◆ [RFM-156]-160W48LED4K-G2-R2M-UNV-DMG-API-ML-PH9-RCD7-SP2-GY3
		◆ 400W EQ LED (160W) - 480 Volt; LLF=0.87	◆ [RFM-157]-160W48LED4K-G2-R2M-HVU-DMG-API-ML-PH9-RCD7-SP2-GY3
		◆ 250W EQ LED (110W)-120/277V; LLF=0.833	◆ [RFM-004]-108W48LED4K-G2-R2M-UNV-DMG-API-ML-PH9-RCD-SP2-GY3
		◆ 250W EQ LED (110W)-480V; LLF=0.833	◆ [RFM-004]-108W48LED4K-G2-R2M-HVU-DMG-API-ML-PH9-RCD-SP2-GY3
		◆ 400W EQ LED (160W)-120/240V; LLF=0.869	◆ [RFM-004]-160W48LED4K-G2-[R2S-001]-UNV-DMG-API-ML-PH9-RCD7-SP2-GY3
◆ 400W EQ LED (160W)-480V; LLF=0.869	◆ [RFM-004]-160W48LED4K-G2-[R2S-001]-HVU-DMG-API-ML-PH9-RCD7-SP2-GY3		

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Manufacturer	Brand	Type	Model
Acuity Acuity Brands Lighting, Inc. 3825 Columbus Rd. Granville, OH 43023 acuitybrands.com	American Electric	◆250W EQ LED (110W) - 120/240 Volt; LLF=0.85	◆ATB0 P303 MVOLT R2 BL NL P7 SH TXDOT RFD331872
		◆250W EQ LED (110W) - 480 Volt; LLF=0.85	◆ATB0 P303 480 R2 BL NL P7 SH TXDOT RFD331873
		◆400W EQ LED (160W) - 120/240 Volt; LLF=0.85	◆ATB0 P453 MVOLT R2 BL NL P7 SH TXDOT RFD331874
		◆400W EQ LED (160W) - 480 Volt; LLF=0.85	◆ATB0 P453 480 R2 BL NL P7 SH TXDOT RFD331875
		◆150W EQ LED (50W) - 120/240 Volt; LLF=0.85	◆ATB0 P202 MVOLT R4 BL NL P7 SH TXDOT RFD322496
		◆150W EQ LED (50W) - 480 Volt; LLF=0.85	◆ATB0 P202 480 R4 BL NL P7 SH TXDOT RFD322495
		◆250W EQ LED (110W) - 120/240 Volt; LLF=0.85	◆ATB0 P303 MVOLT R3 BL NL P7 SH TXDOT RFD322498
		◆250W EQ LED (110W) - 480 Volt; LLF=0.85	◆ATB0 P303 480 R3 BL NL P7 SH TXDOT RFD322497
		◆400W EQ LED (160W) - 120/240 Volt; LLF=0.85	◆ATB0 P453 MVOLT R3 BL NL P7 SH TXDOT RFD322500
		◆400W EQ LED (160W) - 480 Volt; LLF=0.85	◆ATB0 P453 480 R3 BL NL P7 SH TXDOT RFD322499
		◆150W EQ LED (75W) - 120-277V; LLF = 0.81	◆ ATBSP30 MVOLT R3 NL P7 SH DF RFD313335
		◆150W EQ LED (75W) - 480V; LLF = 0.81	◆ ATBS P30 480 R3 NL P7 SH DF RFD313336
		◆250W EQ LED (120W) - 120-277V; LLF = 0.78	◆ ATBM P30 MVOLT R2 NL P7 SH TXDOT RFD309288
		◆250W EQ LED (120W) - 480V; LLF = 0.78	◆ ATBM P30 480 R2 NL P7 SH TXDOT RFD309289
◆400W EQ LED (190W) - 120-277V; LLF = 0.78	◆ATBM P70 MVOLT R2 NL P7 SH TXDOT RFD309290		

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Manufacturer	Brand	Type	Model
Acuity Acuity Brands Lighting, Inc. 3825 Columbus Rd. Granville, OH 43023 acuitybrands.com	American Electric	◆400W EQ LED (190W) - 480V; LLF = 0.78	◆ATBM P70 480 R2 NL P7 SH TXDOT RFD309291
		◆250W EQ LED (126W)-120/240V; LLF=0.815	◆ATB0 30BLEDE13 MVOLTR2 20 BL NL SH RFD244668
		◆250W EQ LED (126W)-480V; LLF=0.815	◆ATB0 30BLEDE13 480R220 BL NL SH RFD244669
SolarMax SolarMax LED, Inc. 3080 12 th Street Riverside, CA 92507 solarmaxled.com	SolarMax	◆150W EQ LED (52W) - 120/240 Volt; LLF = 0.849	◆SMX-52WiE-NV-LL5-00-4070-T302-P-10-FS-ELI-CPL
		◆250W EQ LED (105W)-120/240 Volt; LLF=0.849	◆SMX-105WiE-NV-LL5-00-4070-T302-P-10-ELI-CPL
		◆250W EQ LED (105W)- 480 Volt; LLF=0.849	◆SMX-105WiE-HV-LL5-00-4070-T302-P-10-ELI-CPL
		◆400W EQ LED (166W)- 120/240 Volt; LLF=0.849	◆SMX-166WiE-NV-LL5-00-4070-T302-P-10-ELI-CPL
		◆400W EQ LED (166W)- 480 Volt; LLF=0.849	◆SMX-166WiE-HV-LL5-00-4070-T302-P-10-ELI-CPL

Item 610 - Roadway Illumination Assemblies – LED Luminaire

Manufacturer	Brand	Type	Model
Excellence Opto, Inc. 21858 Garcia Lane, City of Industry, CA 91789 www.eoius.com/	EOI	◆ 150W EQ LED (60W) - 120/240 Volt; LLF=0.80	◆ CRLS-A24L090UD4M40GY20V-7RS-FSEB
		◆ 150W EQ LED (60W) - 480 Volt; LLF=0.80	◆ CRLS-A24L090HD4M40GY20V-7RS-FSEB
		◆ 250W EQ LED (110W) - 120/240 Volt; LLF=0.79	◆ CRLM-A48L160UD3M40GY20V-7RS-EB
		◆ 250W EQ LED (110W) - 480 Volt; LLF=0.79	◆ CRLM-A48L160HD3M40GY20V-7RS-EB
		◆ 400W EQ LED (170W) - 120/240 Volt; LLF=0.79	◆ CRLM-A48L240UD3M40GY20V-7RS-EB
		◆ 400W EQ LED (170W) - 480 Volt; LLF=0.79	◆ CRLM-A48L240HD3M40GY20V-7RS-EB
		◆ 150W EQ LED (70W) 120/240V; LLF=0.846	◆ ESU-FA013M03240M-700FIU1-1678N
		◆ 150W EQ LED (70W) 480V; LLF=0.846	◆ ESU-FA023M03240M-700FIU1-1678N
		◆ 250W EQ LED (160W) 120/240V; LLF=0.888	◆ ESU-EA013P03240M-150DIU1-1638N
		◆ 250W EQ LED (160W) 480V; LLF=0.888	◆ ESU-EA023P03240M-150DIU1-1638N
		◆ 400W EQ LED (230W) 120/240V; LLF=0.888	◆ ESU-EA013P04840L-150DIU1-1638N
		◆ 400W EQ LED (230W) 480V; LLF=0.888	◆ ESU-EA023P04840L-150DIU1-1638N
		◆ 150W EQ LED (70W) 120/240V; LLF=0.846	◆ ESU-FA013M03240M-700FIU1-1688N
		◆ 250W EQ LED (160W) 120/240V; LLF=0.888	◆ ESU-EA013P03240M-150DIU1-1648N
		◆ 400W EQ LED (230W) 120/240V; LLF=0.888	◆ ESU-EA013P04840L-150DIU1-1648N

Item 610 - Roadway Illumination Assemblies - LED Luminaire

Manufacturer	Brand	Type	Model
Visionaire Lighting 19645 Rancho Way Rancho Dominguez, CA 90220 visionairelighting.com	Visionaire Lighting	◆ 150W EQ LED (70W) - 120/240V; LLF=0.86	◆ RLX-3-T3L-70W-4K-UNV-MAF-GY-7PINPER-DIM-20KV-DF240-EBL-UWL
		◆ 150W EQ LED (70W) - 480V; LLF=0.86	◆ RLX-3-T3L-70W-4K-5-MAF-GY-7PINPER-DIM-20KV-DF480-EBL-UWL
		◆ 250W EQ LED (125W) - 120/240V; LLF=0.86	◆ RLX-3-T2-125W-4K-UNV-MAF-GY-7PINPER-DIM-20KV-EBL-UWL
		◆ 250W EQ LED (125W) - 480V; LLF=0.86	◆ RLX-3-T2-125W-4K-5-MAF-GY-7PINPER-DIM-20KV-EBL-UWL
Leotek	Leotek	◆ 150W EQ LED (45W) - 120/240V; LLF=0.85	◆ GCJ2-30J-MV-40K-3R-GY-070-PCR7CR-WL-DF-SP2-SC-TXDOT
Leotek Electronics, USA 1955 Lundy Ave. San Jose, CA 95131 www.leotek.com		◆ 150W EQ LED (45W) - 480V; LLF=0.85	◆ GCJ2-30J-HV-40K-3R-GY-070-PCR7CR-WL-DF-SP2-SC-TXDOT
		◆ 250W EQ LED (100W) - 120/240V; LLF=0.85	◆ GCM3-60J-MV-40K-2R-GY-155-PCR7CR-WL-SP2-SC-TXDOT
		◆ 250W EQ LED (100W) - 480V; LLF=0.85	◆ GCM3-60J-HV-40K-2R-GY-155-PCR7CR-WL-SP2-SC-TXDOT
		◆ 400W EQ LED (145W) - 120/240V; LLF=0.85	◆ GCM3-60J-MV-40K-2R-GY-220-PCR7CR-WL-SP2-SC-TXDOT
		◆ 400W EQ LED (145W) - 480V; LLF=0.85	◆ GCM3-60J-HV-40K-2R-GY-220-PCR7CR-WL-SP2-SC-TXDOT

Item 610 - High Pressure Sodium Lamps

Manufacturer	Brand	Type	Model
Osram Sylvania 100 Endicott Street Danvers, MA 24210 (978) 777-1900 For Lamps (800) 544-4828 sylvania.com	Sylvania – Lumalux Plus®/ECO	◆ 400 Watt Lamp	◆ 67312 - LU400/PLUS/ECO
		◆ 250 Watt Lamp	◆ 67572 - LU250/PLUS/ECO
		◆ 150 Watt Lamp	◆ 67494 -LU150/55/PLUS/ ECO
Philips Lighting Company 200 Franklin Square Dr. P.O. Box 6800 Somerset, NJ 08875 (800) 555-0050 lighting.philips.com	Philips - Ceramalux®/ALTO® Non-Cycling Lamp	◆ 400 Watt Lamp	◆ 14743-9 – C400S51/ALTO NC HPS
		◆ 250 Watt Lamp	◆ 14742-1 – C250S50/ALTO NC HPS
		◆ 150 Watt Lamp	◆ 14741-3 – C150S55/ALTO NC HPS
GE Lighting Nela Park, 1975 Noble Rd. Cleveland, OH 44112 (216) 266-2121 gelighting.com	GE – EcoluxNC™	◆ 400 Watt Lamp	◆ 14675 – LU400/ECO/NC
		◆ 250 Watt Lamp	◆ 14674 – LU250/ECO/NC
		◆ 150 Watt Lamp	◆ 40390 – LU150/55/ECO/NC

Item 610 - Photoelectric Control - Photocell

Manufacturer	Brand	Type	Model
Tork 1 Grove Street Mt. Vernon, NY 10550 (914) 664-5042 tork.com	Tork	◆ 120-277 Volt Photocell	◆ S895 ◆ NSI-TORK S895 * * Tork has recently been bought out by NSI
American Electric Lighting / DTL P.O. Box 3004 Newark, OH 43800 (800) 754-0463 darktolight.com	DTL	◆ 120-277 Volt Photocell	◆ DUX124 -12A30
Tyco Electronics 8000 Purfoy Rd. Fuquay-Varina, NC 27526 (919) 557-8459 tycoelectronics.com	Area Lighting Research Tyco	◆ 120-277 Volt Photocell	◆ ALR-SST-PV-IES-UL (3E7425-000)

Item 610 - Breakaway Fuse-holders

Manufacturer	Brand	Type	Model
Eaton –Bussmann Series 114 Old State Road Ellisville,MO 63021 (855) 287-7626 cooperindustries.com	Bussmann	♦ Double-pole ♦ Double-pole	♦ HEX-KW-DRYC – used when no neutral is required ♦ HEN-KW-DRYC – used when neutral is present Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.
Littelfuse Inc. 800 E. Northwest Highway Des Plaines, IL 60016-3096 (847) 824-1188 littelfuse.com	Littelfuse	♦ Double-pole ♦ Double-pole	♦ OLEXYCSX – used when no neutral is required ♦ LEXTOYYSX – used when neutral is present Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.

Item 610 - Breakaway Fuse-holders

Manufacturer	Brand	Type	Model
<p>Mersen USA</p> <p>374 Merrimac Street Newburyport, MA 01950 (978) 462-6662</p> <p>ferrazshawmut.com</p> <p>Ferraz Shawmut is Now Mersen. Parent Company name change only. Brand of connector is still Ferraz Shawmut.</p>	<p>Ferraz Shawmut</p>	<p>◆ Double-pole</p> <p>◆ Double-pole</p>	<p>◆ FEX-91-91-BA – used when no neutral is required</p> <p>◆ FEXN-91-91-BA – used when neutral is present</p> <p>Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.</p>
<p>Ideal Industries, Inc.</p> <p>1 Becker Place Sycamore, IL 60178 (800) 435-0705</p> <p>idealindustries.com</p>	<p>Ideal-Buchanan SLK</p>	<p>◆ Double-pole</p> <p>◆ Double-pole</p>	<p>◆ 30-S2222D – used when no neutral is required</p> <p>◆ 30-S2222P – used when neutral is present</p> <p>Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.</p>

Item 610 - Optional and Non-Standard Illumination Pole Designs and Shop Drawings

Manufacturer	Brand	Type	Model
Hapco 26252 Hillman Highway Abingdon, VA 24210 (800) 368-7171 hapco.com	Hapco	♦ 40 Ft.-Aluminum - T-Base mounted with (1) 8Ft. Arm Only	♦ Based on Drawing # B15138 and B15136

Item 610 - Breakaway Transformer Base

Manufacturer	Brand	Type	Model
Akron Foundry Co. 2728 Wingate Ave. Akron, OH 44314 (330) 745-3101 akronfoundry.com	Akron	♦ Breakaway Transformer Base for Luminaire Poles Less Than 40 Foot Height ♦ Breakaway Transformer Base for Luminaire Poles 40 to 50 Foot Height	♦ TB1-17 ♦ TB3-17

Item 613 – High Mast Illumination Poles

General

There are no pre-qualified High Mast Illumination Poles.

Construction

Perform work in accordance with the details shown on the plans, and the requirements of item 613. Provide components that fit together properly.

- (a) **Standard Design.** Fabricate poles in accordance with this Item and the plans. Alternate designs are not permitted.
- (b) **Shop Drawings.** Do not submit shop drawings for high mast illumination poles fabricated in accordance with this Item and the plans.

Item 614 – High Mast Illumination Assemblies

General

The following products are pre-qualified for use on the projects where high mast illumination assemblies are furnished or installed as required by the item descriptive code. Fixtures are subject to testing. No substitutions of products will be allowed when pre-qualified products are shown. Where miscellaneous parts, brackets, hardware, nuts, bolts, washers, or other incidentals are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications.

Item 614 - Luminaire – High Mast

Manufacturer	Brand	Type	Model
Cooper 1121 Highway 74 South Peachtree City, GA 30269 cooperindustries.com	Streetworks	◆ LED High Mast – Type A/B (330W); 120/240 VOLT; LLF=0.78	◆ CST-CA8-330-740-U-T2-AP-FF-20MSP-PSC-PR7-D123390
		◆ LED High Mast – Type A/B (330W); 480 VOLT; LLF=0.78	◆ CST-CA8-330-740-8-T2-AP-FF-20MSP-PSC-PR7-D123391
		◆ LED High Mast – Type C (480W); 120/240 VOLT; LLF=0.78	◆ CST-CA8-480-740-U-T3-AP-FF-20MSP-PSC-PR7-D123392
		◆ LED High Mast – Type C (480W); 480 VOLT; LLF=0.78	◆ CST-CA8-480-740-8-T3-AP-FF-20MSP-PSC-PR7-D125143
		◆ LED High Mast – Type S (480W); 120/240 VOLT; LLF=0.78	◆ CST-CA8-480-740-3-T5N-AP-FF-20MSP-PSC-PR7-D123394
		◆ LED High Mast – Type S (480W); 480 VOLT; LLF=0.78	◆ CST-CA8-480-740-8-T5N-AP-FF-20MSP-PSC-PR7-D123395
		◆ LED High Mast – Type A (477W); 120/240 VOLT; LLF=0.820	◆ CST-8-6-D-U-T2-4N7-20K-SS-AP-D97825
		◆ LED High Mast – Type A (477W); 480 VOLT; LLF=0.820	◆ CST-8-6-D-8-T2-4N7-20K-SS-AP-D96218
◆ LED High Mast – Type B (477W); 120/240 VOLT; LLF=0.820	◆ CST-8-6-D-U-T2-4N7-20K-SS-AP-D97825		

Item 614 - Luminaire - High Mast

Manufacturer	Brand	Type	Model
Cooper 1121 Highway 74 South Peachtree City, GA 30269 cooperindustries.com	Streetworks	◆ LED High Mast - Type B (477W); 480 VOLT; LLF=0.820	◆ CST-8-6-D-8-T2-4N7-20K-SS-AP-D96218
		◆ LED High Mast - Type A (477W); 120/240 VOLT; LLF=0.820	◆ CST-8-6-D-U-T2-4N7-20K-SS-AP-D97825
		◆ LED High Mast - Type A (477W); 480 VOLT; LLF=0.820	◆ CST-8-6-D-8-T2-4N7-20K-SS-AP-D96218
		◆ LED High Mast - Type B (477W); 120/240 VOLT; LLF=0.820	◆ CST-8-6-D-U-T2-4N7-20K-SS-AP-D97824
		◆ LED High Mast - Type B (477W); 480 VOLT; LLF=0.820	◆ CST-8-6-D-8-T2-4N7-20K-SS-AP-D96220
		◆ LED High Mast - Type C (477W); 120/240 VOLT; LLF=0.820	◆ CST-8-6-D-U-T4-4N7-20K-SS-AP-D97823
		◆ LED High Mast - Type C (477W); 480 VOLT; LLF=0.820	◆ CST-8-6-D-8-T4-4N7-20K-SS-AP-D96222
		◆ LED High Mast - Type S (477W); 120/240 VOLT; LLF=0.810	◆ CST-8-6-D-U-T5N-4N7-20K-SS-AP-D97822
◆ LED High Mast - Type S (477W); 480 VOLT; LLF=0.810	◆ CST-8-6-D-8-T5N-4N7-20K-SS-AP-D96224		

Item 614 - Luminaire - High Mast

Manufacturer	Brand	Type	Model
Trastar 860 N. Dorothy Dr., Suite 600 Richardson, TX 75081 trastarusa.com	Duralight	◆ LED High Mast - Type A (410W);- 120/240 Volt; LLF=0.766	◆ JXM-ST-HM6-4W-40K-120-AB-GR-SCL-G2
		◆ LED High Mast - Type A (410W);- 480 Volt; LLF=0.766	◆ JXM-ST-HM6-4W-40K-480-AB-GR-SCL-G2
		◆ LED High Mast - Type B (410W);- 120/240 Volt; LLF=0.766	◆ JXM-ST-HM6-4W-40K-120-AB-GR-SCL-G2
		◆ LED High Mast - Type B (410W);- 480 Volt; LLF=0.766	◆ JXM-ST-HM6-4W-40K-480-AB-GR-SCL-G2
		◆ LED High Mast - Type A (410W); 120/240 VOLT; LLF=0.766	◆ JXM-ST-HM6-4W-40K-120-AB-GR-SCLB
		◆ LED High Mast - Type A (410W); 480 VOLT; LLF=0.766	◆ JXM-ST-HM6-4W-40K-480-AB-GR-SCLB
		◆ LED High Mast - Type B (410W); 120/240 VOLT; LLF=0.766	◆ JXM-ST-HM6-4W-40K-120-AB-GR-SCLB
		◆ LED High Mast - Type B (410W); 480 VOLT; LLF=0.766	◆ JXM-ST-HM6-4W-40K-480-AB-GR-SCLB
		◆ LED High Mast - Type C; (400W); 120/240 VOLT; LLF=0.766	◆ JXM-ST-HM6-4W-40K-120-C-GR-SCLB
		◆ LED High Mast - Type C; (400W); 480 VOLT; LLF=0.766	◆ JXM-ST-HM6-4W-40K-480-C-GR-SCLB
◆ LED High Mast - Type S; (550W); 120/240 VOLT; LLF=0.766	◆ JXM-ST-HM6-5W-40K-120-S-GR-SCLB		
◆ LED High Mast - Type S; (550W); 480 VOLT; LLF=0.766	◆ JXM-ST-HM6-5W-40K-480-S-GR-SCLB		

Item 614 - Luminaire - High Mast

Manufacturer	Brand	Type	Model
Acuity Acuity Brands Lighting, Inc. 3825 Columbus Rd. Granville, OH 43023 acuitybrands.com	Holophane	◆ High Mast - Type A (380W); 120/240 VOLT; LLF=0.783	◆ HMLED4 P25 40K MVOLT HGR NAS PR7 DFD SH TXDOT TYPE A RFD321354
		◆ High Mast - Type A (380W); 480 VOLT; LLF=0.783	◆ HMLED4 P25 40K HVOLT HGR NAS PR7 DFD SH TXDOT TYPE A RFD321353
		◆ High Mast - Type B (380W); 120/240 VOLT; LLF=0.783	◆ HMLED4 P25 40K MVOLT HGR NAS PR7 DFD SH TXDOT TYPE B RFD322281
		◆ High Mast - Type B (380W); 480 VOLT; LLF=0.783	◆ HMLED4 P25 40K HVOLT HGR NAS PR7 DFD SH TXDOT TYPE B RFD322280
		◆ High Mast - Type C (380W); 120/240 VOLT; LLF=0.783	◆ HMLED4 P25 40K MVOLT HGR MAS PR7 DFD SH TXDOT TYPE C RFD320604
		◆ High Mast - Type C (380W); 480 VOLT; LLF=0.783	◆ HMLED4 P25 40K HVOLT HGR MAS PR7 DFD SH TXDOT TYPE C RFD318759
		◆ High Mast - Type S (575W); 120/240 VOLT; LLF=0.783	◆ HMLED4 P4 40K MVOLT HGR AN AW PR7 DFD SH TXDOT TYPE S RFD320605
◆ High Mast - Type S (575W); 480 VOLT; LLF=0.783	◆ HMLED4 P4 40K HVOLT HGR AN AW PR7 DFD SH TXDOT TYPE S RFD318760		

Item 614 - Luminaire – High Mast

Manufacturer	Brand	Type	Model
GE Current 1975 Noble Road East Cleveland, OH 44112 www.gecurrent.com	Evolve	◆ LED High Mast - Type A (305W); 120/240 VOLT; LLF=0.83	◆ ERHM02340B3740ND4BGRAYFGT041
		◆ LED High Mast - Type A (305W); 480 VOLT; LLF=0.83	◆ ERHM02540B3740ND4BGRAYFGT042
		◆ LED High Mast - Type B (305W); 120/240 VOLT; LLF=0.83	◆ ERHM02340B3740ND4BGRAYFGT041
		◆ LED High Mast - Type B (305W); 480 VOLT; LLF=0.83	◆ ERHM02540B3740ND4BGRAYFGT042
		◆ LED High Mast - Type C (500W); 120/240 VOLT; LLF=0.84	◆ ERHM02360D3740ND4BGRAYFGT047
		◆ LED High Mast - Type C (500W); 480 VOLT; LLF=0.84	◆ ERHM02560D3740ND4BGRAYFGT043
		◆ LED High Mast - Type S (570W); 120/240 VOLT; LLF=0.86	◆ ERHM02370W740ND4BGRAYFGT048
		◆ LED High Mast - Type S (570W); 480 VOLT; LLF=0.86	◆ ERHM02570W740ND4BGRAYFGT044

Item 614 - Luminaire - High Mast

Manufacturer	Brand	Type	Model
Signify (formerly Philips Lighting) Signify Lighting North America 118 Maderas Seguin, TX 78155 https://www.signify.com	Lumec	◆ LED High Mast - Type A (350W); 120/240 VOLT; LLF=0.80	◆ HFP-350W160LED-740-G1-R2M-240-DMG-[API-430]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type A (350W); 480 VOLT; LLF=0.80	◆ HFP-350W160LED-740-G1-R2M-480-DMG-[API-366]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type B (300W); 120/240 VOLT; LLF=0.82	◆ HFP-300W120LED-740-G1-R3M-240-DMG-[API-431]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type B (300W); 480 VOLT; LLF=0.82	◆ HFP-300W120LED-740-G1-R3M-480-DMG-[API-367]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type C (300W); 120/240 VOLT; LLF=0.82	◆ HFP-300W120LED-740-G1-4-240-DMG-[API-432]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type C (300W); 480 VOLT; LLF=0.82	◆ HFP-300W120LED-740-G1-4-480-DMG-[API-368]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type S (450W); 120/240 VOLT; LLF=0.80	◆ HFP-450W200LED-740-G1-5M-240-DMG-[API-433]-[F2-003]-PH9-SP2-TLRD7-GY3
		◆ LED High Mast - Type S (450W); 480 VOLT; LLF=0.80	◆ HFP-450W200LED-740-G1-5M-480-DMG-[API-369]-[F2-003]-PH9-SP2-TLRD7-GY3

Item 614 - High Pressure Sodium Lamps

Manufacturer	Brand	Type	Model
Osram Sylvania 100 Endicott Street Danvers, MA 24210 (978) 777-1900 For Lamps (800) 544-4828 sylvania.com	Sylvania - Lumalux Plus®/ECO	◆ 400 Watt Lamp	◆ 67312 - LU400/PLUS/ECO
Philips Lighting Company 200 Franklin Square Dr. P.O. Box 6800 Somerset, NJ 08875 (800) 555-0050 lighting.philips.com	Philips - Ceramalux®/ALTO® Non-Cycling Lamp	◆ 400 Watt Lamp	◆ 14743-9 - C400S51/ALTO NC HPS
GE Lighting Nela Park, 1975 Noble Rd. Cleveland, OH 44112 (216) 266-2121 gelighting.com	GE - EcoluxNG™	◆ 400 Watt Lamp	◆ 14675 - LU400/ECO/NC

Item 614 - High Mast Kit

Manufacturer	Brand	Type	Model
Mica Corporation 5750 N. Riverside Dr. Fort Worth, TX 76137 (817) 577-2088 micacorporation.com	Mica Corporation	◆ High Mast - 125 Foot	◆ HMK-125-PH
		◆ High Mast - 150 Foot	◆ HMK-150-PH
		◆ High Mast - 175 Foot	◆ HMK -175-PH
Carolina High Mast, Inc. 700 East McLeroy Blvd. - Suite A Saginaw, TX 76179 (682) 286-0046	Carolina High Mast, Inc.	◆ High Mast - 125 Foot	◆ HMK-125-CHMI
		◆ High Mast - 150 Foot	◆ HMK-150-CHMI
		◆ High Mast - 175 Foot	◆ HMK -175-CHMI
Rexel 2400 Brockton San Antonio, TX 78217 (210) 352-1047 rexelusa.com	Rexel	◆ High Mast - 125 Foot	◆ HMK-125-RX
		◆ High Mast - 150 Foot	◆ HMK-150-RX
		◆ High Mast - 175 Foot	◆ HMK -175-RX
Wildcat Electric Supply, Ltd. 2061 Clovis Barker Road #5. San Marcos, TX 77666 (512) 396-8900 (866) 301-5200 wildcatelectric.com	Wildcat	◆ High Mast - 125 Foot	◆ HMK-125-WC
		◆ High Mast - 150 Foot	◆ HMK-150-WC
		◆ High Mast - 175 Foot	◆ HMK -175-WC
Stratus Products Division of Structural & Steel Products, Inc 1320 South University Suite 701 Fort Worth, TX 76107 (800) 782-5804 stratusprod.com	Stratus Products	◆ High Mast - 100 Foot	◆ HMK-100-SSPI
		◆ High Mast - 125 Foot	◆ HMK-125-SSPI
		◆ High Mast - 150 Foot	◆ HMK-150-SSPI
		◆ High Mast - 175 Foot	◆ HMK -175-SSPI
Millerbernd Manufacturing Co. 622 6 th Street South Winsted, MN 55395 (320) 485-2111 FAX (320) 485-2220 millerberndmfg.com	Millerbernd	◆ High Mast - 100 Foot	◆ MMC100KIT
		◆ High Mast - 125 Foot	◆ MMC125KIT
		◆ High Mast - 150 Foot	◆ MMC150KIT
		◆ High Mast - 175 Foot	◆ MMC175KIT

Item 614 - High Mast Ring- Previously Approved Shop Drawings

Manufacturer	Brand	Type	Model
<p>J.W. Hall Enterprises, Inc.</p> <p>17731 Elizabeth Rd. Algoa, TX 77511 (281) 337-6311</p> <p>jwhall.com</p>		<p>◆ High Mast Ring</p> <p>Drawing# HM 2002-01 Sheets 1 through 6 Drawing # HE 2002 Sheets 7 through 9</p>	
<p>Carolina High Mast, Inc.</p> <p>700 East McLeroy Blvd. – Suite A Saginaw, TX 76179 (682) 286-0046</p>		<p>◆ High Mast Ring</p> <p>Drawing # TXDOT-01 Sheets 1 through 5 Drawing # TXDOT-02 Sheets 1 through 4 Drawing # TXDOT-03 Sheets 1 through 4 Drawing # TXDOT-04 Sheets 1 through 3</p>	
<p>Traffic Control Devices</p> <p>4417 Main Street Pearland, TX 77581 (281) 992-3030</p> <p>tcd.cc</p>		<p>◆ High Mast Ring</p> <p>Drawing # E-901 Sheets 1 through 10</p>	
<p>Brookfield Fabricating Corp.</p> <p>Stanbury Industrial Dr. Brookfield, MO 64628 (660) 258-2214</p>		<p>◆ High Mast Ring</p> <p>Drawing for Model No. BFC – HMR TxDOT Dated 4-8-2020</p> <p>Sheets 1 through 4</p>	
<p>PKM Steel Service</p> <p>228 E. Avenue A P.O. Box 1066 Salina, KS 67402-1066 (785) 827-3638</p> <p>pkmsteel.com</p>		<p>◆ High Mast Ring</p> <p>Sheet E1 Dated 8-2-05 Sheet 1 Dated 10-12-05 Sheet 2 Dated 10-12-05 Sheet 3 Dated 10-12-05</p>	

Item 618 – Conduit

General

The following products have been tested and are pre-qualified for use on projects where Conduit, Junction Boxes, Expansion Joints and Conduit Fittings are furnished or installed. Where miscellaneous parts, brackets, hardware, nuts, bolts, washers, or other incidentals are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications. No substitutions of products will be allowed when pre-qualified products are shown.

Item 618 - Rigid Metallic Conduit – (RMC)

Manufacturer	Brand	Type	Model
Allied Tube & Conduit, Atkore International 16100 S. Lathrop Avenue Harvey, IL 60426-6021 (800) 882-5543 alliedeg.us atkore.com	Allied	◆ Galvanized Rigid Metal Conduit (RMC)	◆ Trade Sizes from 1/2" to 6"
Wheatland 900 Haddon Avenue P.O. Box 600 Collingswood, NJ 08108-0600 (800) 257-8182 wheatland.com	Wheatland	◆ Galvanized Rigid Metal Conduit (RMC)	◆ Trade Sizes from 1/2" to 6"
Nucor/Republic Conduit 7301 Logistics Drive Louisville, KY 40258 (800) 840-8823 (502) 995-5900 republicconduit.com nucortubular.com	Republic	◆ Galvanized Rigid Metal Conduit (RMC)	◆ Trade Sizes from 1/2" to 6"
Western Tube & Conduit Corp. 2001 E. Dominguez St. Long Beach, CA 90801-2720 (310) 537-6300 (800) 310-8823 westerntube.com	Western Conduit	◆ Galvanized Rigid Metal Conduit (RMC)	◆ Trade Sizes from 1/2" to 6"

Item 618 - PolyVinyl Chloride Pipe- (PVC)

Manufacturer	Brand	Type	Model
<p>Cantex</p> <p>P.O. Box 340 Mineral Wells, TX 76068 (940) 325-3344 (800) 433-5623</p> <p>cantexinc.com</p>	Cantex	◆ PVC	<p>◆ Schedule 40 and 80 ◆ Trade Sizes from 1/2" to 6"</p>
<p>Allied Tube & Conduit, Atkore International</p> <p>16100 S. Lathrop Avenue Harvey, IL 60426-6021</p> <p>alliedeg.us</p>	Allied Tube & Conduit	◆ PVC	<p>◆ Schedule 40 and 80 ◆ Trade Sizes from 1/2" to 6"</p>
<p>Prime Conduit Inc.</p> <p>23240 Chagrin Blvd. Suite 405 Cleveland, OH 44122 (216) 464-3400 (800) 321-1970</p> <p>primeconduit.com</p>	Prime Conduit	◆ PVC	<p>◆ Schedule 40 and 80 ◆ Trade Sizes from 1/2" to 6"</p>
<p>National Pipe & Plastics, Inc.</p> <p>3421 Old Vestal Road Vestal, NY 13850 (800) 836-4350</p> <p>nationalpipe.com</p>	NPPI PVC	◆ PVC	<p>◆ Schedule 40 and 80 ◆ Trade Sizes from 1/2" to 6"</p>
<p>Heritage Plastics Central, Inc., Atkore International</p> <p>1202 N. Bowie Drive Weatherford, TX 76086 (817) 594-8791</p> <p>heritageplastics.com</p>	Heritage	◆ PVC	<p>◆ Schedule 40 and 80 ◆ Trade Sizes from 1/2" to 6"</p>
<p>Cor-Tek, Atkore International</p> <p>Formerly: Rocky Mountain Colby Pipe Co.</p> <p>5125-B Race Ct. Denver, CO 80216 (800) 681-8682</p> <p>atkore.com</p>	Rocky Mountain Colby	◆ PVC	<p>◆ Schedule 40 and 80 ◆ Schedule 40 - Trade Sizes from 1/2" to 6" ◆ Schedule 80 - Trade Sizes from 1 1/4" to 6"</p>

Item 618 - PolyVinyl Chloride Pipe- (PVC)

Manufacturer	Brand	Type	Model	
OMNI 259 Plauche Street Harahan, LA 70123 (504) 736-0331 omni-opti.com	OMNI	♦ PVC	♦ Schedule 40 - Trade Sizes from 1/2" to 6" ♦ Schedule 80 - Trade Sizes from 2" to 6"	
American Pipe & Plastics, Inc. "This line has been discontinued. Current stock is allowed to be depleted" P.O. Box 577 Binghamton, NY 13902 (607) 775-4340 ampipe.com	American Pipe & Plastics	♦ PVC	♦ Schedule 40 - Trade Sizes from 1 1/4" to 6" in 10' lengths - All model #'s start with UL ♦ Schedule 40 - Trade Sizes from 1 1/4" to 6" in 20' lengths - All model #'s start with UL	
JM Eagle 5200 West Century Boulevard Los Angeles, CA 90045 (800) 621-4404 jmeagle.com	JM Eagle	♦ PVC	<u>Schedule 40</u> ♦ 1/2" 0.5 S40 UL ♦ 3/4" 0.75 S40 UL ♦ 1" 1 S40 UL ♦ 1 1/4" 1.25 S40 UL ♦ 1 1/2" 1.50 S40 UL ♦ 2" 2 S40 UL ♦ 2 1/2" 2.5 S40 ♦ 3" 3 S40 UL ♦ 3 1/2" 3.5 S40 ♦ 4" 4 S40 UL ♦ 5" 5 S40 UL ♦ 6" 6 S40 UL	<u>Schedule 80</u> 0.5 S80 UL 0.75 S80 UL 1 S80 UL 1.25 S80 UL 1.50 S80 UL 2 S80 UL 2.5 S80 UL 3 S80 UL 3.5 S80 UL 4 S80 UL 5 S80 UL 6 S80 UL

Item 618 - High-Density Polyethylene Conduit (HDPE)

Manufacturer	Brand	Type	Model
Blue Diamond Industries, LLC 3399 Tates Creek Road Suite 110 Lexington, KY 40502 (859) 224-0415 bdiky.com	Blue Diamond HDPE	♦ HDPE Conduit – Schedule 40 Color - Black	♦ 1/2" BDI065BK-UL ♦ 3/4" BDI095BK-UL ♦ 1" BDI115BK-UL ♦ 1 ¼" BDI135BK-UL ♦ 1 ½" BDI165BK-UL ♦ 2" BDI215BK-UL ♦ 3" BDI315BK-UL ♦ 4" BDI414BK-UL
Draka Cableteq USA One Tamaque Blvd. Schuylkill Haven, PA 17972 (570) 385-4381 drakausa.com	Draka	♦ HDPE Conduit – Schedule 40 Color - Black	♦ 2" 321659 ♦ 3" 321663
Duraline 11400 Parkside Dr. Suite 300 Knoxville, TN. 37934 (865) 218-3460 (800) 847-7661 duraline.com Formerly A-D Technologies Name change on MPL Nov. 2013	Duraline	♦ HDPE Conduit – Schedule 40 Color - Black	♦ 1/2" HDP 050 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 3/4" HDP 075 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 1" HDP 100 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 1 ¼" HDP 125 W SCHE40 SW UVS/UVS N EMPT D X(TXDOT APPROVED) ♦ 1 ½" HDP 150 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 2" HDP 200 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 3" HDP 300 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 4" HDP 400 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED) ♦ 6" HDP 600 W SCHE40 SW UVS/UVS N EMPTD X(TXDOT APPROVED)

Item 618 - High-Density Polyethylene Conduit (HDPE)

Manufacturer	Brand	Type	Model
<p>Atkore HDPE</p> <p>4949 Joseph Hardin Dr. Dallas, TX 75236, USA. (800) 882-5543</p> <p>Formerly: United Poly Systems</p> <p>unitedpolysystems.com</p>	<p>Atkore- United Poly Systems</p>	<p>◆ HDPE Conduit – Schedule 40 Color - Black</p>	<p>◆ 1" Schedule 40 - D100011AORNNNNSTX</p> <p>◆ 1 1/4" Schedule 40 - D125011AORNNNNSTX</p> <p>◆ 1 1/2" Schedule 40 - D150011AORNNNNSTX</p> <p>◆ 2" Schedule 40 - D200011AORNNNNSTX</p> <p>◆ 2 1/2" Schedule 40 - D250011AORNNNNSTX</p> <p>◆ 3" Schedule 40 - D300011AORNNNNSTX</p> <p>◆ 4" Schedule 40 - D400011AORNNNNSTX</p> <p>◆ 5" Schedule 40 - D500011AORNNNNSTX</p> <p>◆ 6" Schedule 40 - D600011AORNNNNSTX</p>
<p>OMNI Opti-Com Manufacturing Network, LLC</p> <p>259 Plauche Street Harahan, LA 70123 (504) 736-0331</p> <p>omni-opti.com</p>	<p>OMNI</p>	<p>◆ HDPE Conduit – Schedule 40 Color - Black</p>	<p>◆ 3/4" S40 UL HDPE BLACK UA187010000000TX</p> <p>◆ 1" S40 UL HDPE BLACK UA217010000000TX</p> <p>◆ 1.25" S40 UL HDPE BLACK UA317010000000TX</p> <p>◆ 1.50" S40 UL HDPE BLACK UA417010000000TX</p> <p>◆ 2" S40 UL HDPE BLACK UA517010000000TX</p> <p>◆ 3" S40 UL HDPE BLACK UA617010000000TX</p> <p>◆ 4" S40 UL HDPE BLACK UA717010000000TX</p> <p>◆ 5" S40 UL HDPE BLACK UA817010000000TX</p>

Item 618 - High-Density Polyethylene Conduit (HDPE)

Manufacturer	Brand	Type	Model
WL Plastics Corporation 3575 Lone Star Circle Fort Worth, TX 76177 woplastics.com	WL	♦ High Density Polyethylene (HDPE)	♦ TX0100SC040S06624X05000T00 - IPS 1" SCH 40 X 5000FT, 66" X 24" Single Reel, TxDOT
			♦ TX0100SC040S06624X10000T00 - IPS 1" SCH 40 X 10000FT, 66" X 24" Single Reel, TxDOT
			♦ TX0125SC040S08430X05000T00 - IPS 1.25" SCH 40 X 5000FT, 84" X 30" Single Reel, TxDOT
			♦ TX0125SC040S09630X08000T00 - IPS 1.25" SCH 40 X 8000FT, 96" X 30" Single Reel, TxDOT
			♦ TX0150SC040S09630X05000T00 - IPS 1.5" SCH 40 X 5000FT, 96" X 30" Single Reel, TxDOT
			♦ TX0150SC040S09630X06000T00 - IPS 1.5" SCH 40 X 6000FT, 96" X 30" Single Reel, TxDOT
			♦ TX0200SC040S09642X03500T00 - IPS 2" SCH 40 X 3500FT, 96" X 42" Single Reel, TxDOT
			♦ TX0200SC040S10242X04000T00 - IPS 2" SCH 40 X 4000FT, 102" x 42" Single Reel, TxDOT
			♦ TX0300SC040S09660X00500T00 - IPS 3" SCH 40 X 500FT, 96" X 60" Single Reel, TxDOT
			♦ TX0300SC040S09660X01000T00 - IPS 3" SCH 40 X 1000FT, 96" X 60" Single Reel, TxDOT
			♦ S0200SC040C28BKNS0050 – UL 2" SCH40 X 50FT BK_NS TxDOT
			♦ S0400SC040C28GYNS0040 – UL 4" SCH40 X 40FT GY_NS TxDOT
			♦ S0600SC040C28BKNS0040 – UL 6" SCH40 X 40FT BK_NS TxDOT

Item 618 - High-Density Polyethylene Conduit (HDPE)

Manufacturer	Brand	Type	Model
Petroflex North America, Ltd. 1305 North 1-35 Gainesville, TX 76240 PO Box 1356 Gainesville, TX 76241-1356 petroflexna.com	Petroflex	◆ High Density Polyethylene (HDPE)	◆ 1" P100SCH40UL-TXDOT ◆ 1 1/4" P125SCH40UL-TXDOT ◆ 1 1/2" P150SCH40UL-TXDOT ◆ 2" P200SCH40UL-TXDOT ◆ 2 1/2" P250SCH40UL-TXDOT ◆ 3" P300SCH40UL-TXDOT ◆ 4" P400SCH40UL-TXDOT

Item 618 - Precast Polymer Concrete Junction Box for Concrete Traffic Barrier

Manufacturer	Brand	Type	Model
Hubbell 3621 Industrial Park Drive Lenoir City, TN. 37771 (800) 346-3062 quazite.com	Hubbell Quazite	♦ Median Barrier Box ♦ Median Barrier Box – for Concrete Barrier (F- Shape) ♦ Junction Box w/Cover OD – 9 X 11 X 7 ¼” ID – 7 ⅜ X 9 ⅜ X 6 ½”	♦ PC1012B500/PC1012CA00 ♦ PC0516B500/PC0516CA00 ♦ PC0608Z503831 Cover Imprinted “Danger High Voltage – Illumination”

Item 620 – Electrical Conductors

General

The following products are pre-qualified for use on projects where Conductors are furnished or installed as required by the item descriptive code. Where splicing materials, insulating materials, GelCaps, fuse holders or other incidentals are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications. No substitutions of products will be allowed when pre-qualified products are shown.

Item 620 - Conductors – Type XHHW

Manufacturer	Brand	Type	Model
American Insulated Wire Co. Bought out by Southwire Corp.	American	♦ XHHW-2 Or ♦ XHHW	♦ Available in 14 AWG through 750 kcmil ♦ 6 AWG & 8AWG Available in Black Only American will continue to be pre-qualified until stock is depleted.
Encore Wire 1410 Millwood Rd. McKinney, TX 75069 (800) 962-9473 encorewire.com	Encore	♦ XHHW-2 Or ♦ XHHW	♦ Available in 14 AWG through 1000 kcmil
Service Wire Company 310 Davis Road Culloden, W. Va. 25510 (800) 624-3572 (713) 674-6666 (800) 231-9473 servicewire.com	Service Wire	♦ XHHW-2 Or ♦ XHHW	♦ Available in 14 AWG through 750 kcmil
Southwire Corporation 1 Southwire Division Carrolton, GA 30119 (800) 444-1700 (770) 832-4242 southwire.com	Southwire	♦ XHHW-2 Or ♦ XHHW	♦ Available in 14 AWG through 1000 kcmil ♦ 6 AWG & 8AWG Available in Black Only
Advanced Digital Cable Inc. 94 Eagle Fork Road Hayesville, NC 28904 (800) 343-2579 advanceddigitalcable.com	Advanced Digital	♦ XHHW-2 Or ♦ XHHW	♦ Available in 14 AWG through 1000 kcmil

Item 620 - Conductors - Type XHHW

Manufacturer	Brand	Type	Model
<p>Draka Cableteq USA</p> <p>One Tamaque Blvd. Schuylkill Haven, PA 17972 (570) 385-4381</p> <p>drakausa.com</p>	<p>Draka</p>	<p>◆ XHHW-2</p>	<p>◆ 8 AWG Black 6200110BK ◆ 8 AWG White 6200110WH ◆ 8 AWG Red 6200110RD ◆ 8 AWG Green 6200110GN ◆ 6 AWG Black 6200359BK ◆ 6 AWG White 6200359WH ◆ 6 AWG Red 6200359RD ◆ 6 AWG Green 6200359GN ◆ 4 AWG Black 6200020BK ◆ 4 AWG White 6200020WH ◆ 4 AWG Red 6200020RD ◆ 4 AWG Green 6200020GN ◆ 2 AWG Black 6200067BK ◆ 2 AWG White 6200067WH ◆ 2 AWG Red 6200067RD ◆ 2 AWG Green 6200067GN ◆ 8 AWG Bare 113-0007-168 ◆ 6 AWG Bare 113-0007-146 ◆ 4 AWG Bare 113-0007-137 ◆ 2 AWG Bare 113-0007-100</p>
<p>Falcon Fine Wire</p> <p>2401 Discovery Blvd. Rockwall, TX 75032 (800) 874-7230 (214) 771-3441</p> <p>falconfinewire.com</p>	<p>Falcon</p>	<p>◆ XHHW-2 Or ◆ XHHW</p>	<p>◆ Available in 14 AWG through 4000 kcmil</p> <p>Available Jacket Colors: Black, Red, White, Green 3090194 - ETL Number Will Be Printed On Jacket</p>
<p>Harger Lightning & Grounding</p> <p>301 Ziegler Drive Grayslake, IL 60030 800-842-7437</p> <p>https://www.harger.com</p>	<p>Harger</p>	<p>◆ Bare Copper</p>	<p>◆ #8 AWG ◆ #6 AWG ◆ #4 AWG ◆ #2 AWG</p> <p>Stranded on 1000, 2500, and 5000 foot reels.</p>

Item 620 - Conductors – Type XHHW

Manufacturer	Brand	Type	Model
Republic Wire Inc. 5525 Union Centre Drive West Chester, OH 45069 (513) 860-1800 republicwire.com	Republic Wire Inc.	♦ XHHW-2 Or ♦ XHHW	♦ Available in 8 AWG through 2 AWG Available Jacket Colors: Black, Red, White, Green ♦ Available in 1/0 AWG through 750 Kcmil Available in Black Only ♦ Bare Copper Soft Drawn Solid and Stranded 8AWG - 2AWG
Coleman Cable, Inc. 1530 Shields Drive Waukegan, IL 60085 (800) 325-9355 colemancable.com	CCI	♦ XHHW-2	Available in Black Only ♦ 8 AWG 18080 ♦ 6 AWG 18060 ♦ 4 AWG 18040 ♦ 2 AWG 18020 ♦ 1 AWG 18010 ♦ 1/0 AWG 18100 ♦ 2/0 AWG 18200 ♦ 3/0 AWG 18300 ♦ 4/0 AWG 18400 ♦ 250 MCM 18250 ♦ 350 MCM 18350 ♦ 400 MCM 18440 ♦ 500 MCM 18500 ♦ Bare Copper Solid and Stranded 8 AWG – 4AWG Stranded 2 AWG – 600 kcmil
Kris-Tech Wire Co. 80 Otis Street Rome, New York 13441 O-(315) 339-5268 F-(315) 339-5277 www.kristechwire.com	Kris-Tech	♦ XHHW-2	♦ Available in 14 AWG through 4/0
Alan Wire Company 1500 W. Malone Sikeston, MO 63801 (573) 471-9548 www.alanwire.com	Alan Wire	♦ XHHW-2	♦ Available in 14 AWG through 750 kcmil

Item 620 - Breakaway Fuse-holders

Manufacturer	Brand	Type	Model
Eaton –Bussmann Series 114 Old State Road Ellisville, MO 63021 (855) 287-7626 cooperindustries.com	Bussmann	♦ Double-pole ♦ Double-pole	♦ HEX-KW-DRYC – used when no neutral is required ♦ HEN-KW-DRYC – used when neutral is present Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID sheets are in plan set.
Littelfuse Inc. 800 E. Northwest Highway Des Plaines, IL 60016-3096 (847) 824-1188 littelfuse.com	Littelfuse	♦ Double-pole ♦ Double-pole	♦ OLEXYCSX – used when no neutral is required ♦ LEXTOYYSX – used when neutral is present Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.

Item 620 - Breakaway Fuse-holders

Manufacturer	Brand	Type	Model
<p>Mersen USA</p> <p>374 Merrimac Street Newburyport, MA 01950 (978) 462-6662</p> <p>ferrazshawmut.com</p> <p>Ferraz Shawmut is Now Mersen. Parent Company name change only. Brand of connector is still Ferraz Shawmut.</p>	<p>Ferraz Shawmut</p>	<p>◆ Double-pole</p> <p>◆ Double-pole</p>	<p>◆ FEX-91-91-BA – used when no neutral is required</p> <p>◆ FEXN-91-91-BA – used when neutral is present</p> <p>Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.</p>
<p>Ideal Industries, Inc.</p> <p>1 Becker Place Sycamore, IL 60178 (800) 435-0705</p> <p>idealindustries.com</p>	<p>Ideal-Buchanan SLK</p>	<p>◆ Double-pole</p> <p>◆ Double-pole</p>	<p>◆ 30-S2222D – used when no neutral is required</p> <p>◆ 30-S2222P – used when neutral is present</p> <p>Each fuse holder will allow 2 conductors per pole for a total of 4 conductors per unit. Each connection rated for 16 AWG up to 2 AWG. These breakaway connectors are to be used for both breakaway and non-breakaway poles where a fuse holder is called for. Installing contractor to supply 10-ampere time delay fuse. To be used when TxDOT Standards RIP and RID are in the plan set.</p>

Item 621 – Tray Cable

General

The following products are pre-qualified for use on projects where Tray Cable is furnished or installed as required by the item descriptive code. No substitutions of products will be allowed when pre-qualified products are shown.

Item 621 - Tray Cable- XHHW Conductors with Overall PVC Jacket

Manufacturer	Brand	Type	Model
American Insulated Wire Co. Bought out by Southwire Corp.	American	♦ Tray Cable – Power Cable – XLP XHHW-2 Insulation, PVC Jacket, Copper Conductors	♦ Available in 14 AWG through 500 kcmil American will continue to be pre-qualified until stock is depleted.
Service Wire Company 310 Davis Road Culloden, W. Va. 25510 (800) 624-3572 (713) 674-6666 (800) 231-9473 servicewire.com	Service Wire	♦ Tray Cable – Power Cable – XLP XHHW-2 Insulation, PVC Jacket, Copper Conductors	♦ Available in 14 AWG through 750 kcmil
Southwire Corporation 1 Southwire Division Carrolton, GA 30119 (800) 444-1700 (770) 832-4242 southwire.com	Southwire	♦ Tray Cable – Power Cable – XLP XHHW-2 Insulation, PVC Jacket, Copper Conductors	♦ Available in 14 AWG through 500 kcmil
Advanced Digital Cable Inc. 94 Eagle Fork Road Hayesville, NC 28904 (800) 343-2579 advanceddigitalcable.com	Advanced Digital	♦ Tray Cable – Power Cable – XLP XHHW Insulation, PVC Jacket, Copper Conductors	♦ Available in 12 AWG -3 and 4 conductor

Item 621 - Tray Cable- XHHW Conductors with Overall PVC Jacket

Manufacturer	Brand	Type	Model	
Falcon Fine Wire and Wire Products, Inc. 2401 Discovery Blvd. Rockwall, TX 75032 (214) 771-3441 (800) 874-7230 www.falconfinewire.com	Falcon Fine Wire	◆ Tray Cable – 3 Conductors	◆ 760308XL 8AWG ◆ 760308XL 10AWG ◆ 760308XL 12AWG ◆ 760308XL 14AWG	
		◆ Tray Cable – 4 Conductors	◆ 760408XL 8AWG ◆ 760410XL 10AWG ◆ 760412XL 12AWG ◆ 760414XL 14AWG	

Item 622 – Duct Cable

General

The following products are pre-qualified for use on projects where Duct Cable is furnished or installed as required by the item descriptive code. Where connectors are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications. No substitutions of products will be allowed.

Item 622 - Duct Cable with Type XHHW Conductors

Manufacturer	Brand	Type	Model
Duraline 11400 Parkside Dr. Suite 300 Knoxville, TN. 37934 (865) 218-3460 (800) 847-7661 duraline.com Formerly A-D Technologies Name change on MPL Jan. 2014	Duraline	◆ Duct Cable – HDPE with XHHW Conductors Installed	◆ Size of Duct and Conductors as Shown In the Plans. Specify Duct and Conductor Size and Color and Number of Conductors Needed When Ordering. Printing on Outside Wall of Duct as Per DMS 11060 Also Printed on Outside Wall of Duct will be “TxDOT” or “TxDOT Approved”
Blue Diamond Industries, LLC 3399 Tates Creek Road Suite 110 Lexington, KY 40502 (859) 224-0415 bdiky.com	Blue Diamond	◆ Duct Cable – HDPE with XHHW Conductors Installed	◆ Size of Duct and Conductors as Shown In the Plans. Specify Duct and Conductor Size and Color and Number of Conductors Needed When Ordering. Printing on Outside Wall of Duct as Per DMS 11060 Also Printed on Outside Wall of Duct will be “TxDOT” or “TxDOT Approved”
Draka Cableteq USA One Tamaque Blvd. Schuylkill Haven, PA 17972 (800) 233-3190 drakausa.com	Draka	◆ Duct Cable – HDPE with XHHW Conductors Installed	◆ Size of Duct and Conductors as Shown In the Plans. Specify Duct and Conductor Size and Color and Number of Conductors Needed When Ordering. Printing on Outside Wall of Duct as Per DMS 11060 Also Printed on Outside Wall of Duct will be “TxDOT” or “TxDOT Approved”

Item 622 - Duct Cable with Type XHHW Conductors

Manufacturer	Brand	Type	Model
Southwire Corporation One Southwire Drive Carrolton, GA 30119 (770) 832-4242 southwire.com	SIMpull	◆ Duct Cable – HDPE with XHHW Conductors Installed	◆ Size of Duct and Conductors as Shown In the Plans. Specify Duct and Conductor Size and Color and Number of Conductors Needed When Ordering. Printing on Outside Wall of Duct as Per DMS 11060 Also Printed on Outside Wall of Duct will be “TxDOT” or “TxDOT Approved”

Item 624 – Ground Boxes

General

The following products are pre-qualified for use on projects where Ground Boxes are furnished or installed as required by descriptive code. Products are subject to testing. No substitutions will be allowed for Types A through E as listed below. For types not listed below, applicable TxDOT standards and specifications will apply.

Item 624 - Ground Boxes – Precast Polymer Concrete

Manufacturer	Brand	Type	Model
Hubbell 3621 Industrial Park Drive Lenoir City, TN. 37771 (800) 346-3062 quazite.com	Hubbell Quazite	♦ A ♦ B ♦ C ♦ D	♦ PG1324B512 / PG1324H506 ♦ 2PG1324B512 / PG1324H506 ♦ PG1730B512 / PG1730H507 ♦ PG1730B517 / PG1730H507 ♦ PG1730B522 / PG1730H507 ♦ PG1324B514 / PG1324H506
		♦ E Cover For Type A, B & E	♦ PG1324H5064A (Danger High Voltage FTM) ♦ PG1324H5064B (Danger High Voltage Irrigation) ♦ PG1324H5064D (Danger High Voltage Illumination) ♦ PG1324H5064E (Danger High Voltage Traffic Signal) ♦ PG1324H5064G (Danger High Voltage Sign Lighting) ♦ PG1324H506H7 (Danger High Voltage)
		Cover For Type C & D	♦ PG1730H5074A (Danger High Voltage FTM) ♦ PG1730H5074B (Danger High Voltage Irrigation) ♦ PG1730H5074D (Danger High Voltage Illumination) ♦ PG1730H5074E (Danger High Voltage Traffic Signal) ♦ PG1730H5074G (Danger High Voltage Sign Lighting) ♦ PG1730H507H7 (Danger High Voltage)

Item 624 - Ground Boxes – Precast Polymer Concrete

Manufacturer	Brand	Type	Model
Armorcast Products Company 13230 Saticoy St. North Hollywood, CA. 91605 (818) 982-3600 armorcastprod.com	Armor cast	♦ A ♦ B ♦ C ♦ D ♦ E Cover For All Boxes	♦ A6001946TAPCX12 ♦ A6001946TAPCX24 ♦ A6001640TAPCX12 ♦ A6001640TAPCX22 ♦ A6001946TAPCX18 ♦ All Covers Read “Danger High Voltage.” Additional Logos Added Per Job Spec.
NewBasis 2626 Kansas Avenue Riverside, CA. 92507 (909) 787-0600 Toll Free (866) 392-2747 newbasis.com	NewBasis	♦ A ♦ B ♦ C ♦ D ♦ E Cover For Type A, B & E Cover For Type C & D	♦ PCB132412G482 ♦ (2) PCB132412G482 ♦ PCB173012G482 ♦ PCB173022G482 ♦ PCB132418G482 ♦ PCC1324DLA528- DANGER HIGH VOLTAGE/TRAFFIC SIGNALS ♦ PCC1324DCA528- DANGER HIGH VOLTAGE/ILLUMINATION ♦ PCC1324DMA528- DANGER HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ PCC1324DSA528- DANGER HIGH VOLTAGE/SIGN ILLUMINATION ♦ PCC1730DLA528- DANGER HIGH VOLTAGE/TRAFFIC SIGNALS ♦ PCC1730DCA528- DANGER HIGH VOLTAGE/ILLUMINATION ♦ PCC1730DMA528- DANGER HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ PCC1730DSA528- DANGER HIGH VOLTAGE/SIGN ILLUMINATION

Item 624 - Ground Boxes – Precast Polymer Concrete

Manufacturer	Brand	Type	Model
Synertech Moulded Products 2 Inverness St. Candiac, Quebec Canada J5R 4WS Toll Free (888) 868-5214 synertechproducts.com	Synertech	♦ A ♦ B ♦ C ♦ D ♦ E	♦ S132412HH90 ♦ S132424HH90 ♦ S173012HH90 ♦ S173024HH90 ♦ S132418HH90
		Cover For Type A, B & E	♦ S1324HBB0A90- DANGER HIGH VOLTAGE/TRAFFIC SIGNAL ♦ S1324HBB0A91- DANGER HIGH VOLTAGE/ILLUMINATION ♦ S1324HBB0A92- DANGER HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ S1324HBB0A93- DANGER HIGH VOLTAGE/SIGN ILLUMINATION
		Cover For Type C & D	♦ S1730HBB0A90- DANGER HIGH VOLTAGE/TRAFFIC SIGNALS ♦ S1730HBB0A91- DANGER HIGH VOLTAGE/ILLUMINATION ♦ S1730HBB0A92- DANGER HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ S1730HBB0A93- DANGER HIGH VOLTAGE/SIGN ILLUMINATION

Item 624 - Ground Boxes – Precast Polymer Concrete

Manufacturer	Brand	Type	Model
Oldcastle Enclosure Solutions 2434 Rubidoux Blvd. Riverside, CA. 92509 (800) 735-5566 (713) 875-8030 oldcastleprecast.com Carson Industries, LLC. is now Oldcastle Enclosure Solutions 8-29-2013 Model numbers are the same	Oldcastle	♦ A ♦ B ♦ C ♦ D ♦ E	♦ 13242030 ♦ 13242032 ♦ 17302061 ♦ 17302063 ♦ 13242031 ♦ 13244159- DANGER HIGH VOLTAGE/TRAFFIC SIGNALS ♦ 13244156- DANGER HIGH VOLTAGE/ILLUMINATION ♦ 13244158- DANGER HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ 13244157- DANGER HIGH VOLTAGE ♦ 17304185- DANGER HIGH VOLTAGE/TRAFFIC SIGNALS ♦ 17304183- DANGER HIGH VOLTAGE/ILLUMINATION ♦ 17304184- DANGER HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ 17304272- DANGER HIGH VOLTAGE
		Cover For Type A, B & E	Cover For Type C & D
CDR Systems Corporation 146 South Atlantic Ave. Ormond Beach, FL. 32176 (386) 615-9510 cdrsystems.com	cdr	♦ A ♦ B ♦ C ♦ D ♦ E	♦ SB14-1324-12-0287 ♦ SB14-1324-12-0287 - 2 boxes stacked ♦ SB14-1730-12-0494 ♦ SC14-1730-22-0499 ♦ SB14-1324-18-0288
		Cover For Type A, B & E	♦ SC12-1324-02
		Cover For Type C & D	♦ SC12-1730-02
		Cover For All Boxes	♦ All Covers Read “Danger High Voltage.” Additional Logos Added Per Job Spec.

Item 624 - Ground Boxes – Precast Polymer Concrete

Manufacturer	Brand	Type	Model
Highline Products, Inc. 131 Hartwell Ave. Lexington, MA. 02421 (781) 328-3220 highlineproducts.com	Highline	♦ A ♦ B ♦ C ♦ D ♦ E	♦ PHA132412HTD-XX ♦ PHA132424HTD-XX ♦ PHA173012HTD-XX ♦ PHA173024HTD-XX ♦ PHA132418HTD-XX
		Cover Logo Information XX in each model will be replaced with : ♦ 20 ♦ 21 ♦ 22 ♦ 23 ♦ 24 Ordering covers only, Contact Manufacturer	♦ DANGER HIGH VOLTAGE ♦ DANGER HIGH VOLTAGE/ ILLUMINATION ♦ DANGER HIGH VOLTAGE/ SIGN ILLUMINATION ♦ DANGER HIGH VOLTAGE/ TRAFFIC MANAGEMENT ♦ DANGER HIGH VOLTAGE/ TRAFFIC SIGNALS
Duravault 310 Weathers Dr. Laredo, TX. 78045 (885) 250-3993 duravault.com	Duravault	♦ A ♦ B ♦ C ♦ D ♦ E	♦ PC132412STBTXD-XX (122311) ♦ PC132422STBTXD-XX (122322) ♦ PC173012STBTXD-XX (162911) ♦ PC173022STBTXD-XX (162922) ♦ PC132418STBTXD-XX (122317)
		Cover Logo Information XX in each model will be replaced with : Cover For Type A, B & E	♦ PCC1324BTXD-TS/ TRAFFIC SIGNAL ♦ PCC1324BTXD-IL/ ILLUMINATION ♦ PCC1324BTXD-TM/ TRAFFIC MANAGEMENT ♦ PCC1324BTXD-SI/ SIGN ILLUMINATION
		Cover For Type C & D	♦ PCC1730BTXD-TS/ TRAFFIC SIGNAL ♦ PCC1730BTXD-IL/ ILLUMINATION ♦ PCC1730BTXD-TM/ TRAFFIC MANAGEMENT ♦ PCC1730BTXD-SI/ SIGN ILLUMINATION All Covers Read “DANGER HIGH VOLTAGE”
		Cover For All Boxes	

Item 624 - Ground Boxes – Precast Polymer Concrete

Manufacturer	Brand	Type	Model
Martin Enterprises 19940 Hansen Avenue Nuevo, CA 92567 (951) 928-8413 martinfrp.com	Martin	♦ A ♦ B ♦ C ♦ D ♦ E Cover For Type A, B & E Cover For Type C & D	♦ 1324/12 PC Type A Tier 15 Rated ♦ 1324/24 PC Type B Tier 15 Rated ♦ 1730/18 PC Type C Tier 15 Rated ♦ 1730/24 PC Type D Tier 15 Rated ♦ 1324/18 PC Type E Tier 15 Rated ♦ 1324 Cover Traffic Signal / DANGER - HIGH VOLTAGE/TRAFFIC SIGNALS ♦ 1324 Cover Illumination / DANGER - HIGH VOLTAGE/ILLUMINATION ♦ 1324 Cover Traffic Management / DANGER - HIGH VOLTAGE/TRAFFIC MANAGEMENT ♦ 1730 Cover Traffic Signal / DANGER - HIGH VOLTAGE/TRAFFIC SIGNALS ♦ 1730 Cover Illumination / DANGER - HIGH VOLTAGE/ILLUMINATION ♦ 1730 Cover Traffic Management / DANGER - HIGH VOLTAGE/TRAFFIC MANAGEMENT

Item 628 – Electrical Services

General

The following products have been tested and are pre-qualified for use on projects where Electrical Services are furnished or installed. Where miscellaneous parts, brackets, hardware, nuts, bolts, washers, or other incidentals are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications.

Item 628 - Electrical Service

Manufacturer	Brand	Type	Model
Electrol Systems 10623 Sentinel Drive San Antonio, TX 78217 (210) 599-6485 (888) 853-8944 electrosystems.com	Electrol	◆ A	◆ ELECTROL TYPE A-TXDOT
		◆ C	◆ ELECTROL TYPE C-TXDOT
		◆ C- Auxiliary Only	◆ ELECTROL TYPE C- Auxiliary Only – TXDOT
		◆ D	◆ ELECTROL TYPE D-TXDOT
		◆ T- Auxiliary Only	◆ ELECTROL TYPE T- Auxiliary Only - TXDOT
		◆ T-All in One	◆ ELECTROL TYPE T- ALL IN ONE ENCLOSURE – TXDOT
		◆ A-Pedestal	◆ ELECTROL TYPE A-PEDESTAL-TXDOT
		◆ D-Pedestal	◆ ELECTROL TYPE D-PEDESTAL-TXDOT
WE Manufacturing 8131 Lockheed Avenue Houston, TX 77061 832-706-1866 www.we-mfg.com	WE	◆ A	◆ WE TYPE A-TXDOT
		◆ C	◆ WE TYPE C-TXDOT
		◆ C- Auxiliary Only	◆ WE TYPE C- Auxiliary Only – TXDOT
		◆ D	◆ WE TYPE D-TXDOT
		◆ T- Auxiliary Only	◆ WE TYPE T- Auxiliary Only – TXDOT
		◆ T-All in One	◆ WE TYPE T- ALL IN ONE ENCLOSURE – TXDOT
		◆ A – Pedestal	◆ WE TYPE A- PEDESTAL – TXDOT
		◆ D-Pedestal	◆ WE TYPE D-PEDESTAL – TXDOT

Item 628 - Electrical Service

Manufacturer	Brand	Type	Model
Mica Corporation P.O. Box 161609 Fort Worth , TX 77020 (817) 847-6121 (817) 577-2088 micacorporation.com	Mica	◆ A	◆ MICA TYPE A-TXDOT
		◆ C	◆ MICA TYPE C-TXDOT
		◆ D	◆ MICA TYPE D-TXDOT
		◆ T- Auxiliary Only	◆ MICA TYPE T- Auxiliary Only – TXDOT
		◆ T-All in One	◆ MICA TYPE T- ALL IN ONE ENCLOSURE – TXDOT
Specialty Control Systems 629 SH 3 League City , TX 77573 (281) 332-0999 specialtycontrol.com	SCS	◆ A	◆ SCS TYPE A-TXDOT
		◆ D	◆ SCS TYPE D-TXDOT
		◆ T-All in One	◆ SCS TYPE T- ALL IN ONE ENCLOSURE – TXDOT
		◆ D-Pedestal	◆ SCS TYPE D-PEDESTAL-TXDOT
Tesco Controls, Inc. 3434 52 nd Ave. Sacramento , CA 95823 (916) 395-8800 tescocontrols.com	Tesco	◆ A-Pedestal	◆ TESCO TYPE A-PEDESTAL-TXDOT (120/240)
		◆ A-Pedestal	◆ TESCO TYPE A-1-PEDESTAL-TXDOT (240/480)
		◆ C-Pedestal	◆ TESCO TYPE C-PEDESTAL-TXDOT
		◆ D-Pedestal	◆ TESCO TYPE D-PEDESTAL-TXDOT
Myers Power Products, Inc. 725 E. Harrison St. Corona , CA 92879 (951) 520-1900 (866) 696-9377 myerspowerproducts.com	Myers	◆ A-Pedestal	◆ MEUG16 TYPE A-PEDESTAL-TXDOT
		◆ D-Pedestal	◆ MEUG16 TYPE D-PEDESTAL-TXDOT
		◆ D	◆ MYERS TYPE D-TXDOT
		◆ A	◆ MYERS TYPE A-TXDOT

Item 628 - Electrical Service

Manufacturer	Brand	Type	Model
Associated Starters & Controls 310 Breesport, Ste. D San Antonio , TX 78216 (210) 798-1334 (888) 798-1334	ASC	◆ A	◆ ASC TYPE A-TXDOT
		◆ C	◆ ASC TYPE C-TXDOT
		◆ D	◆ ASC TYPE D-TXDOT
		◆ T	◆ ASC TYPE T-TXDOT
		◆ T-Auxiliary	◆ ASC TYPE T-AUX-TXDOT
		◆ A - Pedestal	◆ ASC TYPE A-PEDESTAL - TXDOT
		◆ D - Pedestal	◆ ASC TYPE D-PEDESTAL - TXDOT
Milbank Manufacturing Co. 1601 South Saint Louis St. Concordia, MO 64020 O (877)-483-5314 https://milbankworks.com	Milbank	◆ A - Pedestal	◆ MB TYPE A-PEDESTAL –TXDOT (120/240)
		◆ A - Pedestal	◆ MB TYPE A-PEDESTAL –TXDOT (240/480)
		◆ D – Pedestal	◆ MB TYPE D-PEDESTAL –TXDOT (120/240)
		◆ A	◆ MB TYPE A POLE MOUNT – TXDOT 120/240
		◆ A	◆ MB TYPE A POLE MOUNT – TXDOT 240/480
		◆ C	◆ MB TYPE C POLE MOUNT – TXDOT 120/240
		◆ C	◆ MB TYPE C POLE MOUNT – TXDOT 240/480
		◆ D	◆ MB TYPE D POLE MOUNT – TXDOT 120/240
◆ T	◆ MB TYPE T POLE MOUNT – TXDOT 120/240		
Dynamic Automation & Controls 10560 Sentinel San Antonio , TX 78217 (210) 267-2489 (855) 465-6099 dynamic-ac.com	Dynamic Automation & Controls	◆ A	◆ TYPE A-POLE MOUNT
		◆ A-Pedestal	◆ TYPE A-PEDESTAL
		◆ D	◆ TYPE D-POLE MOUNT
		◆ D-Pedestal	◆ TYPE D-PEDESTAL

Item 628 - Photoelectric Control - Photocell

Manufacturer	Brand	Type	Model
Tork 1 Grove Street Mt. Vernon, NY 10550 (914) 664-5042 tork.com	Tork	◆ 120-277 Volt Photocell	◆ S895 or ◆ NSI-TORK S895 * * Tork bought out by NSI
American Electric Lighting / DTL P.O. Box 3004 Newark, OH 43800 (800) 754-0463 darktolight.com	DTL	◆ 120-277 Volt Photocell	◆ DUX124 -12A30
Tyco Electronics 8000 Purfoy Rd. Fuquay-Varina, NC 27526 (919)557-8459 tycoelectronics.com	Area Lighting Research Tyco	◆ 120-277 Volt Photocell	◆ ALR-SST-PV-IES-UL (3E7425-000)

Item 685 – Roadside Flashing Beacon Assemblies

General

The following products are pre-qualified for use on projects where Roadside Flashing Beacon Assemblies are furnished or installed as required by the item descriptive code. No substitutions of products will be allowed when pre-qualified products are shown.

Item 685 - Breakaway Holder – Non Fused

Manufacturer	Brand	Type	Model
Mersen USA 374 Merrimac Street Newburyport, MA 01950 (978) 462-6662 ep-us.mersen.com Ferraz Shawmut is Now Mersen. Parent Company name change only. Brand of connector is still Ferraz Shawmut.	Ferraz Shawmut	◆ Single Pole	◆ FEB-81-81-BA when fused use slug
		◆ Single Pole	◆ FEBN-81-81-BA for neutral (non-fused)
		◆ Dummy Fuse (Slug)	◆ MNL30 - Slug
Littelfuse Inc. 800 E. Northwest Highway Des Plaines, IL 60016-3096 (847) 824-1188 littelfuse.com	Littelfuse	◆ Single Pole	◆ LEB-JJ-S-WPB1 when fused use slug
		◆ Single Pole	◆ LET-JJ-S-WPB1 for neutral (non-fused)
		◆ Dummy Fuse (Slug)	◆ Not available at this time
			These breakaway connectors are to be used when required by TxDOT Standards RFBA and SPRFBA . Installing contractor to supply dummy fuse-(slug).

Item 685 - Breakaway Holder – Non Fused

Manufacturer	Brand	Type	Model
Eaton –Bussmann Series 114 Old State Road Ellisville, MO 63021 (855) 287-7626 cooperindustries.com	Bussmann	♦ Single Pole ♦ Single Pole ♦ Dummy Fuse (Slug)	♦ HEB-JW-RLC-J when fused use slug ♦ HET-JW-RLC-J for neutral (non-fused) ♦ NNB - Slug These breakaway connectors are to be used when required by TxDOT Standards RFBA and SPRFBA . Installing contractor to supply dummy fuse-(slug).
Ideal Industries, Inc. 1375 Park Avenue Sycamore, IL 60178 (800) 435-0705 idealindustries.com	Ideal – Buchanan SLK	♦ Single Pole ♦ Single Pole ♦ Dummy Fuse (Slug)	♦ 30-S1212 when fused use slug ♦ 30-S1212N for neutral (non-fused) ♦ Not available at this time These breakaway connectors are to be used when required by TxDOT Standards RFBA and SPRFBA . Installing contractor to supply dummy fuse-(slug).

Item 685 - Pedestal Pole Base

Manufacturer	Brand	Type	Model
Akron Foundry Company 2728 Wingate Ave. Akron, OH 44314 (330) 745-3101 akronfoundry.com	Akron	◆ Pedestal Pole Base	◆ TS-1000
		◆ Pedestal Pole Base with Extended Neck	◆ TS-1000-L
Pelco Products, Inc. 320 W. 18th Street Edmond, OK 73013 (405) 340-3434 pelcoinc.com	Pelco	◆ Pedestal Pole Base	◆ SP-1014 -TX
		◆ Pedestal Pole Base with Extended Neck	
Component Products, Inc. 521 Morse Avenue Schaumburg, IL 60193 (800) 807-6537 (847) 301-1000 componentproducts.com	CPI	◆ Pedestal Pole Base	◆ CPI-BAS-1P (TXDOT)
		◆ Pedestal Pole Base with Extended Neck	◆ CPI-BAS-1-PX (TXDOT)

Item 687 – Pedestal Pole Assemblies

General

The following products are pre-qualified for use on projects where Pedestal Pole Bases are furnished or installed as required by the item descriptive code. Where Pedestal Poles are necessary and are not shown as pre-qualified products, the contractor shall furnish products that meet the requirements of the plans and specifications. No substitutions of products will be allowed when pre-qualified products are shown.

Item 687 - Pedestal Pole Base

Manufacturer	Brand	Type	Model
Akron Foundry Company 2728 Wingate Ave. Akron, OH 44314 (330) 745-3101 akronfoundry.com	Akron	◆ Pedestal Pole Base	◆ TS-1000
		◆ Pedestal Pole Base with Extended Neck	◆ TS-1000-L
Pelco Products, Inc. 320 W. 18th Street Edmond, OK 73013 (405) 340-3434 pelcoinc.com	Pelco	◆ Pedestal Pole Base	◆ SP-1014 -TX
Component Products, Inc. 521 Morse Avenue Schaumburg, IL 60193 (800) 807-6537 (847) 301-1000 componentproducts.com	CPI	◆ Pedestal Pole Base	◆ CPI-BAS-1P (TXDOT)
		◆ Pedestal Pole Base with Extended Neck	◆ CPI-BAS-1-PX (TXDOT)