



Traffic Operations

APPROVED PRODUCTS LIST

**TRAFFIC SIGNALS, HIGHWAY LIGHTING,
AND HIGHWAY SIGNING EQUIPMENT**

**MISSOURI DEPARTMENT OF TRANSPORTATION
APPROVED PRODUCTS LIST
TRAFFIC SIGNALS AND HIGHWAY LIGHTING EQUIPMENT**

I. GENERAL

This Approved Products List (APL) is based on equipment meeting department specifications and being tested for the specified test period with satisfactory performance. All models shall conform to the latest revisions of the Missouri Standard Specifications for Highway Construction, the Missouri Standard Plans for Highway Construction, the MoDOT Engineering Policy Guide, and any other applicable documents unless otherwise indicated. In addition, all products shall comply with 2 CFR 200.216 – Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment. Conformance to MoDOT standards and specifications does not guarantee addition to the APL. Other factors such as, but not limited to, build quality, durability, ease of installation and use, and cost of repair may be taken into consideration. The models indicated on the list are approved but are subject to final field inspection before acceptance.

The department frequently tests new products and equipment for traffic signals and highway lighting. These new products may be installed on a construction project, purchased on parts orders, or with controller orders. Vendors may also submit a device, at no cost to the department, for the test period. MoDOT will determine the methods and needs of the product for test. Only a limited number of units will be accepted for test statewide until an item is added to the Approved Products List. A vendor wishing to initiate a test on a new product shall submit a Product Evaluation Request Form - Signal and Lighting Equipment. Copies of this form can be obtained from our website at <https://www.modot.org/traffic>. Minor model changes do not require an evaluation period; however, the vendor shall submit specification sheets, a summary of changes from the current to former model, and a sample of the product for the Department to inspect.

All equipment evaluations are coordinated through MoDOT Traffic Operations. The vendor supplying the equipment shall provide equipment specifications and a certification that the equipment meets department specifications before the test is performed. The equipment is tested for the period specified in the APL. Products not performing satisfactorily or falls below established standards will be replaced with an approved product if the vendor cannot provide timely correction of the problem or if unsatisfactory operation of the intersection results.

If a vendor is proposing a product that does not meet department specifications, an explanation of why the product meets or exceeds the current specifications must be provided by the vendor in writing to Traffic Operations. If approved, the product may be tested for the specified period noted in the APL. If the product is satisfactory, the Department will consider a revision to the applicable specifications. Any modification to the device must be reviewed and approved by MoDOT prior to sale/use of the modified device. Products will not be added to the Approved Products List that do not meet department specifications.

Products on the APL shall continue to perform satisfactorily. In addition, the vendors shall support the products. Products not performing as required or not supported are subject to removal from the APL.

Grounds for removal of products include, but limited to:

- Significant change in product specifications or design without notification to the department.
- Failure to correct or replace products that are defective in manufacturing or workmanship.
- Repeated patterns of malfunctions of a product not adequately corrected by the vendor.
- Unreasonable pricing of repair parts or repair work. Repair work not completed in a reasonable time frame.
- Excessive delivery times for new purchases or replacement parts.

Changes in standard specifications may also necessitate removal of specific products from the APL. If this occurs, there will be a grace period where the product will be retained on the list after the specifications are changed. However, the product will be removed from the list if it is not revised to meet specifications.

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

II. TRAFFIC SIGNAL EQUIPMENT

All traffic signal equipment requires a one-year evaluation period.

CONTROLLERS

NEMA TS1 CONTROLLERS

MODEL

Econolite Cobalt Series
McCain ATC eX2 NEMA

170 CONTROLLERS

MODEL

McCain ATC eX 2070

CABINETS AND BACK PANELS (NEMA & S.S. PRETIMED)

NOTE: Cabinets and Back panels that meet MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide a model that meets specifications and complete a satisfactory one-year evaluation as described above to be added to the list.

NEMA CABINET AND BACK PANEL ASSEMBLIES

Control Technologies (Southern Manufacturing)
Econolite
Bison
Trafficware
Mobotrex

CABINETS AND RACKS (TYPE 2070 CONTROLLERS)

NOTE: Cabinets and Racks that meet MoDOT specifications from the following manufacturers will be accepted. ALL other manufacturers must provide a model that meets specifications and complete a satisfactory one-year evaluation as described above to be added to the list.

332 AND 336S CABINET AND RACK ASSEMBLIES

Swarco McCain (332D, 332E, 332L and 336L)
Safetran
Mobotrex (33x)

CONFLICT MONITORS

NEMA CONFLICT MONITORS

MODEL

Eberle Design Incorporated (EDI) NSM-6E
Eberle Design Incorporated (EDI) NSM-12E
Eberle Design Incorporated (EDI) SSM-12LE Series
Eberle Design Incorporated (EDI) MMU-16E
Eberle Design Incorporated (EDI) MMU2-16LE Series
Reno A&E MMU-1600 Series
Reno A&E MMU2-1600 Series

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

170 CONFLICT MONITORSMODEL

Eberle Design Incorporated (EDI).....2010ECLip
Eberle Design Incorporated (EDI).....2018ECLip

CABINET ACCESSORIES

AUXILIARY TIME CLOCKMODEL

EltecTC-18
EltecTC-3000
RTCAP22
Applied InformationAI-500-070

EXTERNAL T.B.C. COORDINATORSMODEL

EltecTC-18

**FLASHERS
(NEMA & 170)MODEL**

Eberle Design Incorporated (EDI).....810
Reno A&EFL-200
Traffic Sensor Corp204
Traffic Sensor Corp204-15
Traffic Sensor Corp304
Traffic Sensor Corp304-15
Power Distribution & Control (PDC).....SSF-86
Power Distribution & Control (PDC).....SSF-88

FLASH TRANSFER RELAYSMODEL

Struthers-Dunn21ACPX-2/21ACPXD-5
Mid-Tex136-62T-3A1
Power Distribution & Control (PDC).....FTR 91
Eberle Design Incorporated (EDI).....TR-200

**LOAD SWITCHES
(NEMA & 170)MODEL**

Eberle Design Incorporated (EDI).....510
Reno A&ELS-200
Power Distribution & Control (PDC).....SSS-86
Power Distribution & Control (PDC).....SSS-88
Traffic Sensor Corp200
Traffic Sensor Corp200-15
Traffic Sensor Corp300
Traffic Sensor Corp300-15

**ISOLATORS (170 only)
(242=DC, 252=AC)MODEL**

Eberle Design Incorporated242L

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

GDI Communications	DIM242
GDI Communications	ACIM252
Power Distribution & Control (PDC).....	242
Power Distribution & Control (PDC).....	252

SURGE PROTECTORS

MODEL

ASCO Power Technologies	258120NF015ATBN0 (Model 258)
Hesco/RLS	HE1750

TONE RECEIVERS

MODEL

Iniven.....	IR-30M-05-30
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TONE TRANSMITTERS

MODEL

Iniven.....	IT-30
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DETECTORS

MICROWAVE DETECTORS

MODEL

MS Sedco	TC-CK1-SBE INTERSECTOR
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PEDESTRIAN PUSH BUTTONS

MODEL

Campbell	4 EVR MOAB
Pelco	SE-2178-Pxx
Polara Engineering, Inc.....	BDSP-010-B

POWER SUPPLY FOR CARD RACK DETECTORS - NEMA

MODEL

Eberle Design Incorporated (EDI)	PS-175B
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SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD

MODEL

Eberle Design Incorporated (EDI).....	Oracle S1E
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SINGLE CHANNEL SHELF MOUNT DETECTORS, TIME DELAY

MODEL

Eberle Design Incorporated (EDI).....	LMD301T
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ULTRASONIC DETECTORS

MODEL

MS Sedco.....	TC-30
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**2-CHANNEL CARD RACK COUNTING
DETECTORS, DUAL OUTPUT**

Eberle Design Incorporated (EDI).....	Oracle 2EC
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**2-CHANNEL CARD RACK COUNTING
DETECTORS, SINGLE OUTPUT PULSE MODE**

MODEL

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

(NEMA)

Reno A&E C-1000 Series

2-CHANNEL CARD RACK DETECTORS, STANDARD MODEL
(170)

Eberle Design Incorporated (EDI).....LM222
 Eberle Design Incorporated (EDI).....LMD222
 Reno A&E222
 Oriux.....222-GP8

2-CHANNEL CARD RACK DETECTORS, STANDARD MODEL
(NEMA)

Reno A&E C-1000 Series
 Reno A&E G-200 Series

2-CHANNEL CARD RACK DETECTORS, TIME DELAY MODEL
(NEMA)

Reno A&E C-1000 Series
 Reno A&E GT-200 Series

SIGNAL HEADS

BACKPLATES MODEL

Traffic Parts44xx Series
 IntelightBP INTLIT Series
 PelcoBK-100x Series
 PelcoBK-8000 Series

LOUVERS MODEL

PelcoGL-1000 Series

POLYCARBONATE SIDE-MOUNT BRACKETS MODEL
WITH RELATED HARDWARE

Component ProductsAll models
 MobotrexUKS1452AB

SIGNAL HEADS - OPTICALLY LIMITED MODEL

Intelight, Inc.ESB Series
 McCain.....HPTS Series

SIGNAL HEADS - POLY CONVENTIONAL MODEL

Traffic Parts, Inc.SIG-TPB-305-CTN-NVN-0N (3 section)
 Traffic Parts, Inc.....SIG-TPB-586-CTN-NVN-0N (5 section)
 MobotrexSA Series

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Econolite	TP Series
General Traffic Equipment Corp.....	T-30 POLY
McCain.....	MTSTP Series
North American Signal	PTxx2BBx0CBxMO
Oriux	PSS Series

PEDESTRIAN HEAD – POLY 1-SECTION

MODEL

McCain.....	M32258 w/ M27164
General Traffic Equipment.....	P8-CDLED-SAMx-GV-B
Mobotrex.....	SG7MZ1xC1BBF10-00

SIGNAL AND PEDESTRIAN LED SIGNAL INDICATIONS

LED signal indications must be ETL verified. The Intertek ETL Verified Directory of LED Traffic Signal Modules Certified Products is located at: <https://www.intertek.com/lighting/infrastructure/traffic-signals/>. Signal indications manufactured by GE/Current Lighting Solutions shall not be accepted regardless of ETL Verified status.

PROGRAMMABLE VIEW

MODEL

Dialight.....	P46-3R33-003 (Red Ball)
Dialight.....	P46-3Y33-003 (Yellow Ball)
Dialight.....	P46-3G33-003 (Green Ball)
GELcore.....	DR3-RCFB-01A (Red Ball)
GELcore.....	DR3-YCFB-01A (Yellow Ball)
GELcore.....	DR3-GCFB-01A (Green Ball)

HARDWARE

NOTE: Hardware that meets MoDOT specifications from the following manufacturers will be accepted. For compatibility with existing hardware and ease of maintenance, no other hardware will be accepted.

SIGNAL HARDWARE

Pelco

STRANDWISE

MODEL

MacLean Power Systems	5202 (Reliable 3/8" Strandwise)
MacLean Power Systems	5200 (Reliable 1/4" Strandwise)

POSTS AND MAST ARMS

Note: Posts and Mast Arms do not require an evaluation period. Posts and Mast Arms shall be fabricated in accordance with MoDOT specifications and standards. Posts and Mast Arms shall be pre-approved as required by the MoDOT standards and specifications to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Posts and Mast Arms are subject to field inspection before acceptance.

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

STEEL POSTS AND MAST ARMS

DRAWING NUMBER

Ameron Pole Products.....	MO13TR11 - Rev. B (Type C)
Ameron Pole Products.....	MO13TR12 - Rev. B (Type CL)
Ameron Pole Products.....	MO13TR13 - Rev. B (Type B)
Ameron Pole Products.....	MO13TR14 - Rev. B (Type BL)
JEM Engineering & Manufacturing.....	MODOT1-4 Rev. 2 (Types C, CL, B & BL)
Maico Industries, Inc.....	MOMAST 1-5A Rev. 1-6 (Types C, CL, B & BL)
Millerbernd Manufacturing Company.....	1005022 (Type B)
Millerbernd Manufacturing Company.....	1003534 (Type BL)
Millerbernd Manufacturing Company.....	1005004 (Type C)
Millerbernd Manufacturing Company.....	1003523 (Type CL)
Millerbernd Manufacturing Company.....	500A971 Millerbernd
Pelco Structural, LLC.....	MODMA1001 & 1002 (Type B)
Pelco Structural, LLC.....	MODMAL1001 & 1002 (Type BL)
Pelco Structural, LLC.....	MOSMA1001 & 1002 (Type C)
Pelco Structural, LLC.....	MOSMAL1001 & 1002 (Type CL)
Union Metal Industries Corp.....	30443-B202 - Rev. 19 (Types C, CL, B & BL)
Valmont.....	DB00408 - Rev. H

MISCELLANEOUS

LOOP SEALANTS

MODEL

(Loop sealants do not require material certification)

3M.....	5000
Bondo.....	575
Bondo.....	P606
Traffic Control Corp, subsidiary of H.B. Fuller.....	290S
Traffic Control Corp, subsidiary of H.B. Fuller.....	296-06
Durant Paints.....	Stat-A-Flex Polyseal
Pecora.....	NR-201
RAI Products.....	Pro-Seal 6006

PEDESTAL BASES

MODEL

Akron Foundry.....	TS-1000-L-P
Akron Foundry.....	TS-1000-L-WP
Pelco.....	PB5336
Pelco.....	PB5337
Traffic Parts.....	TP 289 X

SPLICE KITS (DETECTOR LEAD-IN)

MODEL

3M.....	DBY Series
HOMAC HMC Industries.....	RAB 1/0 Series

METER SERVICE PEDESTAL (SIGNALS/SIGNALS & LIGHTING) MODEL

Milbank 120V Signal Only (Ameren).....	CP3B51C1PAAOMO1
Milbank 120V Signal with 2-Circuit 240V Lighting (Ameren).....	CP3B51C1PBAOMO2
Milbank 120V Signal with 2-Circuit 240V Lighting Dual Meter.....	CP3B62C2NBAOMO1

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

Myers 120V Signal with 2-Circuit 240V LightingMEUGLA-M100-MDOT
 Myers 120V Signal with 2-Circuit 240V LightingMEUG 20
 Pacific Utility Products 120V Signal OnlyUSP16-M2100-112C-MODOT6-TS

Pacific Utility Products 120V Signal with 2-Circuit 240V LightingUSPAR-100-100-MODOT
Note: -- (Pacific Utility Products - product listed with "R" is ring less meter sockets, other utilities requiring ring type meter socket, have the "6" at the end of the catalog number)

Pacific Utility Products 120V Signal with 2-Circuit 240V LightingUSP16R-M2100-112C-MODOT
Note: -- (Pacific Utility Products - product listed with "R" is ring less meter sockets, other utilities requiring ring type meter socket, have the "6" at the end of the catalog number)

Pacific Utility Products 120V Signal with 2-Circuit 240V LightingUSP24-M2100-100-MODOT6-TSL
 Pacific Utility Products 120V Sgnl w/2-Circuit 240V Lighting Dual Mtr USPD-2M2100-100-MODOT6
 Tesco 120V Signal with 2-Circuit 240V Lighting28-105 Type III BF
 Tesco 120V Signal with 2-Circuit 240V Lighting28-102F

VIDEO DETECTION SYSTEMS

VIDEO DETECTOR	MODEL
Cubic.....	Gridsmart
Econolite	Autoscope RackVision
Econolite	Autoscope RackVision Terra
Econolite	Autoscope Vision
Iteris	Vantage Edge2
Iteris	Vantage Next
Iteris	Vantage Vector
Oriux	VideoTrak IQ-P
Oriux	VideoTrak IQ-ITS
FLIR	VIP 3D.x Series
Miovision	Core DCM w/ Smartview 360 camera

RADAR DETECTION SYSTEMS

RADAR DETECTOR	MODEL
Wavetronix.....	SmartSensor Matrix

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

III. HIGHWAY LIGHTING

All highway lighting equipment require a one-year evaluation period except for items noted requiring a six-month evaluation.

LIGHTING POLES

Note: Poles do not require an evaluation period. Poles shall be fabricated in accordance with MoDOT specifications and standards. They shall be pre-approved as required by the MoDOT standards and specifications in order to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Lighting poles are subject to field inspection before acceptance.

STEEL POLES

DRAWING NUMBER

Ameron Pole Products.....	MO98AT3 – Rev. 4 (Type AT45) Design 1 & 2
Ameron Pole Products.....	MO98AT2 – Rev. 4 (Type AT45)Design 3, 4 & 5
Ameron Pole Products.....	MO98AT4 – Rev. 3 (Type AT30)
Ameron Pole Products.....	MO98B2 – Rev. 3 (Type B45 & MB45)
Ameron Pole Products.....	MO98B4 – Rev. 2 (Type B30)
JEM Engineering and Manufacturing	MO-AT30 – Rev. 3 (Type AT30)
JEM Engineering and Manufacturing	MO-AT45 – Rev. 3 (Type AT45)
Millerbernd Manufacturing Co.	730B907 (Type AT30)
Millerbernd Manufacturing Co.	730B653 (Type AT45)
Millerbernd Manufacturing Co.	730B908 (Type B30)
Millerbernd Manufacturing Co.	730B909 (Type B45)
Millerbernd Manufacturing Co.	730B910 (Type MB45)
Union Metal Industries Corp.	71020-B2 - Rev. 5 (Type AT30)
Union Metal Industries Corp.	71020-B3 - Rev. 4 (Type B30)
Union Metal Industries Corp.	71019-B6 - Rev. 7 (Type AT45)
Union Metal Industries Corp.	71019-B7 - Rev. 4 (Types B45 & MB45)
Union Metal Industries Corp.	71019-B8 – Rev. 3 (Type B30)
Union Metal Industries Corp.	71019-B9 – Rev. 3 (Type B45)
Union Metal Industries Corp.	71019-B10 – Rev. 3 (Type MB45)
Union Metal Industries Corp.	71020-B103 – Rev. 3 (Type AT30)
Union Metal Industries Corp.	71020-B104 – Rev. 4 (Type AT45)
Valmont.....	DB00019 – Rev. N (Types AT30 & B30)
Valmont.....	DB00020 – Rev. N (Types AT45, B45 & MB45)

ALUMINUM POLES

DRAWING NUMBER

Valmont.....	MO-051707 (Type AT-30)
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MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

FOUNDATIONS

Note: Screw anchor foundations do not require an evaluation period. Screw anchor foundations shall be fabricated in accordance with MoDOT specifications and standards. They shall be pre-approved as required by the MoDOT standards and specifications in order to be added to the list. The following manufacturers have pre-approved fabrication details and documentation on file with the department. Screw anchor foundations are subject to field inspection before acceptance.

SCREW ANCHOR FOUNDATIONS	DRAWING NUMBER
Component Products, Inc.	SLSF 8-5 (Type AT30)
Component Products, Inc.	SLSF 10-7 (Type AT45)
Hubbell Chance.....	SA112-0696 – Rev. H (Type AT30)
Hubbell Chance.....	SA112-0786 – Rev. E (Type AT45)
Integrated Traffic Solutions, Inc.	ITS AT30 (Type AT30)
Integrated Traffic Solutions, Inc.	ITS AT45 (Type AT45)
J. H. Botts.....	JHB MOH 30 – Rev. C (Type AT30)
J. H. Botts.....	JHB MOH 45 – Rev. D (Type AT45)

LED LUMINAIRES

NOTE: LED Luminaires do not require a field evaluation period. LED Luminaires shall be pre-approved by submittal of documents as required by the MoDOT standards and specifications in order to be added to the list. LED Luminaires shall be fabricated in accordance with MoDOT specifications and standards. Because there is no evaluation period MoDOT reserves the right to deny a product due to evaluations or experiences with a product by other agencies.

LED Luminaire models listed meet the minimum requirements of MoDOT standards and specifications. Higher lumen outputs, as required by site-specific design, may be provided for the listed models provided that MoDOT standards and specifications continue to be met.

BRACKET ARM MOUNT (120/277V)

LED-A	MODEL
American Electric Lighting (AEL)	ATB0-P203-MVOLT-R3-3K-NL-NR
American Electric Lighting (AEL)	ATB0-P203-MVOLT-R3-3K-NL-P7-SH**
Cooper	ARCH-S-PA1-60-730-U-T3-AP-10K-K
Cooper	ARCH2-60-730-U-T3-AP-10K
Cree	XSPSM-D-HT-3ME-8L-30K7-UL-SV-N-Q7*
Cree	RSWM-B-HT-3ME-9L-30K7-UL-GY-N-Q3*
GE	ERLH-0-10-C3-30-D-GRAY-G-R**
LeoTek	GCJ3-30J-MV-30K-3R-GY-075-WL-4B
LeoTek	GCJ3-30J-MV-30K-3R-GY-075-WL-4B-PCR7-SC**
Lumec	RPN-65W20LED-730-G1-R3M-UNV-DMG-NRC-GY3
Lumec	RPN-65W20LED-730-G1-R3M-UNV-DMG-PH9-TLRD7-GY3**
Solar Max	SMX-68WiE-NV-LL5-00-3070-T302-P**

* ANSI C136.41 7-pin receptacle included

** ANSI C136.41 7-pin receptacle with shorting cap included

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

LED-B

MODEL

American Electric Lighting (AEL)ATB0-P303-MVOLT-R3-3K-GRAY-NL-NR
 American Electric Lighting (AEL)ATB0-P303-MVOLT-R3-3K-GRAY-NL-P7-SH**
 American Electric Lighting (AEL)ATB2-40BLEDE10-MVOLT-R3-3K-NL-HK-NR
 American Electric Lighting (AEL)ATB2-40BLEDE10-MVOLT-R3-3K-NL-HK-P7-SH**
 CooperARCH-S-PA2-110-730-U-T3-AP-10K-K
 CooperARCH-S-PA2-110-730-U-T3-AP-10K-K-PSC-PR7**
 CooperARCH3-100-730-U-T3-AP-10K-K-10X-MODOT
 CreeXSPLG-D-HT-3ME-18L-30K7-UL-SV-N-Q5*
 CreeRSWL-B-HT-3ME-14L-30K7-UL-GY-N-Q9*
 GEERLH-0-15-C3-30-D-GRAY-G-R**
 LumecRPM-105W40LED-730-G1-R3M-UNV-DMG-NRC-GY3
 LumecRPM-105W40LED-730-G1-R3M-UNV-DMG-PH9-TLRD7-GY3**
 Solar MaxSMX-105WiE-NV-LL5-00-3070-T302-P**

* ANSI C136.41 7-pin receptacle included

** ANSI C136.41 7-pin receptacle with shorting cap included

LED-C

MODEL

American Electric Lighting (AEL)ATB0-P453-MVOLT-R3-3K-NL-NR
 American Electric Lighting (AEL)ATB0-P453-MVOLT-R3-3K-NL-P7-SH**
 CooperARCH-M-PA2-160-730-U-T3-AP-10K-K
 CooperARCH-M-PA2-160-730-U-T3-AP-10K-K-PSC-PR7**
 CooperARCH3-160-730-U-T3-AP-10K-K-XPR-10X-MoDOT
 CreeXSPLG-D-HT-3ME-24L-30K7-UL-SV-N-Q6*
 GEERL2-0-21-C3-30-D-GRAY-G-R**
 HolophaneMGLEDM-P2-30K-MVOLT-MR-VH-GRSD-NL
 HolophaneMGLEDM-P2-30K-MVOLT-MR-VH-GRSD-NL-PR7-SH**
 LumecRPM-130W60LED-730-G1-R3M-UNV-DMG-NRC-GY3
 LumecRPM-130W60LED-730-G1-R3M-UNV-DMG-PH9-TLRD7-GY3**
 Solar MaxSMX-166WiE-NV-LL5-00-3070-T302-P**

* ANSI C136.41 7-pin receptacle included

** ANSI C136.41 7-pin receptacle with shorting cap included

BRACKET ARM MOUNT (480V)

LED-A

MODEL

American Electric Lighting (AEL)ATB0-P203-480-R3-3K-NL-NR
 American Electric Lighting (AEL)ATB0-P203-480-R3-3K-NL-P7-SH**
 CreeXSPSM-D-HT-3ME-8L-30K7-UH-SV-N-Q7*
 CreeRSWM-B-HT-3ME-9L-30K7-UH-GY-N-Q3*
 CooperARCH-S-PA1-60-730-8-T3-AP-10K-K
 CooperARCH-S-PA1-60-730-8-T3-AP-10K-K-PSC-PR7**

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Leotek	GCJ3-30J-HV-30K-3R-GY-075-WL-4B
Leotek	GCJ3-30J-HV-30K-3R-GY-075-WL-4B-PCR7-SC**
Lumec	RPN-65W20LED-730-G1-R3M-HVU-DMG-NRC-GY3
Lumec	RPN-65W20LED-730-G1-R3M-HVU-DMG-PH9-TLRD7-GY3**
Solar Max	SMX-68WiE-HV-LL5-00-3070-T302-P**

* ANSI C136.41 7-pin receptacle included

** ANSI C136.41 7-pin receptacle with shorting cap included

LED-B

MODEL

American Electric Lighting (AEL)	ATB0-P303-480-R3-3K-NL-NR
American Electric Lighting (AEL)	ATB0-P303-480-R3-3K-NL-P7-SH**
American Electric Lighting (AEL)	ATB2-40BLEDE10-MVOLT-R3-3K-NL-HK-NR
American Electric Lighting (AEL)	ATB2-40BLEDE10-MVOLT-R3-3K-NL-HK-P7-SH**
Cooper	ARCH-S-PA2-110-730-8-T3-AP-10K-K
Cooper	ARCH-S-PA2-110-730-8-T3-AP-10K-K-PSC-PR7**
Cree	XSPLG-D-HT-3ME-18L-30K7-UH-SV-N-Q5*
Cree	RSWL-B-HT-3ME-14L-30K7-UH-GY-N-Q9*
GE	ERLH-5-15-C3-30-D-GRAY-G-R**
Lumec	RPM-105W40LED-730-G1-R3M-HVU-DMG-NRC-GY3
Lumec	RPM-105W40LED-730-G1-R3M-HVU-DMG-PH9-TLRD7-GY3**
Solar Max	SMX-105WiE-HV-LL5-00-3070-T302-P **

* ANSI C136.41 7-pin receptacle included

** ANSI C136.41 7-pin receptacle with shorting cap included

LED-C

MODEL

American Electric Lighting (AEL)	ATB0-P453-480-R3-3K-NL-NR
American Electric Lighting (AEL)	ATB0-P453-480-R3-3K-NL-P7-SH**
Cooper	ARCH-M-PA2-160-730-8-T3-AP-10K-K
Cooper	ARCH-M-PA2-160-730-8-T3-AP-10K-K-PSC-PR7**
Cree	XSPLG-D-HT-3ME-24L-30K7-UH-SV-N-Q6*
GE	ERL2-5-21-C3-30-D-GRAY-G-R**
Holophane	MGLEDM-P2-30K-480-MR-VH-GRSD-NL
Holophane	MGLEDM-P2-30K-480-MR-VH-GRSD-NL-PR7-SH**
Lumec	RPM-130W60LED-730-G1-R3M-HVU-DMG-NRC-GY3
Lumec	RPM-130W60LED-730-G1-R3M-HVU-DMG-PH9-TLRD7-GY3**
Solar Max	SMX-166WiE-HV-LL5-00-3070-T302-P **

* ANSI C136.41 7-pin receptacle included

** ANSI C136.41 7-pin receptacle with shorting cap included

HIGH PRESSURE SODIUM LUMINAIRES

NOTE: Luminaires will not be furnished with photoelectric cells. Receptacles will have a shorting plug in place of cell. Multi-tap ballast for 120 Volt and 240 Volt fixtures is permissible.

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

BRACKET ARM MOUNT – 150 WATT

MODEL

American Electric Lighting	115 Series
American Electric Lighting	Durastar 2000, Series 30
Holophane	Mongoose Series

BRACKET ARM MOUNT - 250 WATT

MODEL

American Electric Lighting	115 Series
American Electric Lighting	Durastar 2000, Series 30
Holophane	Mongoose Series

BRACKET ARM MOUNT - 400 WATT

MODEL

American Electric Lighting	125 Series
American Electric Lighting	Durastar 2000, Series 30
Holophane	Mongoose Series

HIGH MAST LIGHTING

MODEL

NOTE: High mast lighting is custom designed for the location. Fixtures from the following manufacturer's series are considered pre-approved.

Cooper	HMC Series
General Electric (GE)	HMA Series
Holophane	HMAO Series
Holophane	HMS Series
Metrolux	VA Series

POLE TOP MOUNTING

MODEL

Holophane	HL2A Series
Holophane	Mongoose Series

SIGN LIGHTING - 250 WATT

MODEL

General Electric (GE)	V2FN Series
Guth	B17632 Series
Holophane	PANL Series
Holophane	SNVW Series

SIGN LIGHTING - 400 WATT

MODEL

Holophane	PANL Series
Holophane	SNVW Series

UNDERPASS (WALLPACKS)

MODEL

American Electric Lighting	582 Series
Cooper	WPK Series
General Electric (GE)	WAL Series
Holophane	MDWP Series
Holophane	WL2K Series
Hubbell	PGM-150S Series

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

CONTROL EQUIPMENT

CONTACTORS-ELECTROMECHANICAL MODEL

Square D	Type S
Eaton	A202 Series

CONTACTORS-MERCURY MODEL

Dayton/Duracool	6A/6X Series
Magnecraft	WM Series

BASE MOUNTED CONTROL CABINETS

NOTE: Cabinets that meet MoDOT specifications from the following manufacturers will be accepted. All other manufacturers must provide a model that meets specifications and complete a satisfactory six-month evaluation as described above to be added to the list.

Cleveland Switchboard
Coxline
Hoffman
Myers Power Products
Shallbetter
Inland Technologies

MOUNTING SOCKET FOR PHOTOELECTRIC CONTROL MODEL

NOTE: Mounting sockets require a six-month evaluation.

American Electric Lighting	DUR
Fischer-Pierce	S476-71

PHOTOELECTRIC CONTROL MODEL

TE Connectivity	SST-120 (120 volt)
TE Connectivity	SST-240 (240 volt)
TE Connectivity	SST-PV (120/240 volt)
American Electric Lighting	D120-1.0-STJ (Dark to Light) (120 volt)
American Electric Lighting	D124-1.0-STJ (120/240 volt)
American Electric Lighting	D240-1.0-STJ (240 volt)
American Electric Lighting	DE480-1.0-TJ (480 volt)
Fischer-Pierce	FPN7790B (105 – 285 volt)
Fischer-Pierce	FPN7772 (195 – 305 volt)
Fischer-Pierce	FPN7794 (480 volt)
Fischer-Pierce	FPN7760 (120 volt)
General Electric (GE)	PEC01TL (>120v/< 305v w/ time delay)
General Electric (GE)	PEC1TL (120v)
General Electric (GE)	PEC5TL (480v)
ITT	SAT-15
Tyco	6190 VPS

TYPE A CIRCUIT BREAKERS MODEL

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

Square D	BDL Series
Westinghouse/Cutler-Hammer.....	EHD Series (1-Pole)
Westinghouse/Cutler-Hammer.....	FDB Series (2-Pole)

MISCELLANEOUS

AVIATION LIGHTING

MODEL

Hughey & Phillips (hugheyandphillips.com)	Horizon AC Series
Hughey & Phillips	FlashGuard 3000B
Flight Light, Inc. (flightlight.com)	AV-OL-310

NAVIGATION LIGHTING

MODEL

Tideland (orgasignal.com)	MaxiHALO-60 II
Tideland	Nova-65
Pharos Marine Automatic Power, Inc.....	FA-143 LED LR
Pharos Marine Automatic Power, Inc.	FA-249 RF-14-LED

FUSED SLIP CONNECTORS

MODEL

NOTE: *Slip connectors require a six-month evaluation.*

Bussmann	HEB-JW-RYC
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METER SERVICE PEDESTAL (LIGHTING)

MODEL

Milbank 4-Circuit 240V Lighting.....	CP3B51C1PBAOMO3
Milbank 4-Circuit 480V Lighting.....	CP3B51D1PBAOMO1
Milbank 4-Circuit 480V Lighting (used for Ameren cold sequence).....	CP3B51D1PBAOMOCS1
Pacific Utility Products 4-Circuit 240V Lighting.....	USP24-M2100-100-MODOT6
Pacific Utility Products 4-Circuit 480V Lighting.....	USP16-M2100-100-MODOT
Pacific Utility Products 4-Circuit 480V Lighting.....	USP24-M2100-100-MODOT6-480

SPLICE KITS

MODEL

3M	82A1 (Single)
3M	82A2 (Single)
3M	82B1 (Three Way)
3M	82B2 (Three Way)
HOMAC HMC Industries.....	RAB 1/0 Series

TRANSFORMER BASES

MODEL

Akron Foundry.....	TB1-17H (for AT30)
Akron Foundry.....	TB3-17H (for AT45)

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

IV. POWER SUPPLY EQUIPMENT AND PULL BOXES

All items require a six-month evaluation period.

MAIN SERVICE DISCONNECT ENCLOSURE WITH SAFETY SWITCH (NEMA 4)

MODEL

General Electric (GE).....	TE 100 CS
Square D	FA-100-DS Series E2
Westinghouse	WFDN 100

PREFORMED PULL BOX-CLASS 1

MODEL

Straight

Armorcast Products Company	A6001640TAPCX22 (Box & Lid)
CDR	A14-1730 series-22" (Box & Lid)
Composite Industries	CI183024PB1P
GlasMasters	AP173024P22P-4J6
NewBasis	PCA173024-MODOT1 (Box & Lid)
Oldcastle	H1730-24 (Box)
Oldcastle	PHA173024HO1R
.....	H1730-PI (Lid)
Oldcastle	173022PC
Strongwell/Quazite	PG1730B532 (Box)
	PG1730H511 (Lid)
	PG1730BA Series
Synertech	S1730B24AA (Box)
	S1730HBB0A (Lid)

Flared

American Polymer Company	P173024U22 (Box & Lid)
Armorcast Products Company	A6001640TAX24 (Box & Lid)
CDR	A12-1730 series-22" (Box & Lid)
Oldcastle	CHA173024HO1R
Oldcastle	1730/22 FRP
NewBasis	FCA173024T Series (Box & Lid)
Pencell Plastics	PEM-1830-PCX (Box & Lid)

PREFORMED PULL BOX-CLASS 2

MODEL

Straight

Armorcast Products Company	A6001974TAPCX26 (Box & Lid)
Armorcast Products Company	A6001974TAPCX24
CDR	A14-2436 series-24" (Box & Lid)
Composite Industries	CI243624PB1P
GlasMasters	AP243624P22P-4J6
NewBasis	PCA243624-MODOT2 (Box & Lid)
Oldcastle	H2436-24 (Box)
.....	H2436-PI (Lid)
Oldcastle	PHA243624HO1R
Oldcastle	243624PC
Strongwell/Quazite	PG2436B539 (Box)
	PG2436H508 (Lid)
	PG2436BA Series
Synertech	S2436B26AA (Box)

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

S2436HCB0A (Lid)

PREFORMED PULL BOX-CLASS 2
Flared

MODEL

American Polymer Company	P243624U22 (Box & Lid)
Armorcast Products Company	A6001974TAX26 (Box & Lid)
Armorcast Products Company	A6001974TAX24
CDR	A12-2436 series-24" (Box & Lid)
Oldcastle	CHA243624HO1R
Oldcastle	2436/24 FRP
NewBasis	FCA243624T Series (Box & Lid)
Pencell Plastics	PEM-2436-36 (Box & Lid)
Pencell Plastics	PEM-2436-PCX-24 (Box & Lid)
Synertech	S2436B24AA (Box)
.....	S2436HCB0A (Lid)

PREFORMED PULL BOX-CLASS 3
Straight

MODEL

Armorcast Products Company	A6001430TAPCX36 (Box & Lid)
CDR	A14-3048 series-36" (Box & Lid)
Composite Industries	CI304836PB1P
NewBasis	PCA304836-MODOT3 (Box & Lid)
Oldcastle	H3048-36 (Box)
.....	H3048-P1 (Lid)
Oldcastle	PHA304836HO1R
Oldcastle	304836PC
Strongwell/Quazite	PG3048B560 (Box)
.....	PG3048H517 (Lid)
.....	PG3048BA Series
Synertech	S3048B36AA (Box)
.....	S3048HCB0A (Lid)

Flared

American Polymer Company	P304836HU22 (Box & Lid)
Armorcast Products Company	A6001550TAX36 (Box & Lid)
CDR	A12-3048-series 36" (Box & Lid)
Oldcastle	CHA304836HO1R
Oldcastle	3048/36 FRP
NewBasis	FCA304836T Series (Box & Lid)
Pencell Plastics	PEM-3048-36-PCX-SPLIT (Box & Lid)

PREFORMED PULL BOX-CLASS 5
Flared

MODEL

Armorcast Products Company	A6001466TA (Box & Lid)
Armorcast Products Company	A6000172TAX36 (Box & Lid)
CDR	A12-3200 series-36" (Box & Lid)
Oldcastle	CRA3236H01
Oldcastle	320036 FRP
NewBasis	FCA320036T Series
NewBasis	FCA400036T Series
Quazite	PR3944Z504

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

HIGHWAY SIGNING EQUIPMENT

V. GENERAL

This Approved Products List (APL) for highway signing equipment contains current pre-approved products for highway signing. This list is applicable to department purchases and construction contracts. The list includes products that have been approved for use based on satisfactory performance during a specified test period. Products listed have undergone sufficient field testing to be considered acceptable for use at any time. All field tests of new products or pending products should be arranged with Central Office Traffic.

The department frequently tests new products and equipment for highway signing. These new products may be installed on a construction project or used for normal department installations and maintenance. Vendors may also submit items, at no cost to the department, for the test period. Only a limited number of units will be accepted for test statewide until the product is added to the Approved Products List. A vendor wishing to initiate a test on a new product shall submit a Product Evaluation Request Form. Copies of this form can be obtained from our website at www.modot.state.mo.us or contact MoDOT Central Office Traffic. Minor model changes of previously approved products do not require a new evaluation period, although the vendor shall submit specification sheets and a sample of the product for the Department to inspect. Any modifications determined to potentially alter the performance of the product may require the product to undergo additional field testing and evaluation.

All product evaluations are coordinated through MoDOT Central Office Traffic. The vendor supplying the equipment shall provide equipment specifications and a certification that the equipment meets department specifications before the test is performed. The equipment is tested for the period specified by Central Office Traffic (typically one year). Products that are not performing satisfactorily will be left off of the list. Products that were previously approved that begin to perform unsatisfactorily will be removed or replaced with an approved product if the vendor cannot provide timely correction of the problem.

If a vendor is proposing a product that does not meet department specifications, an explanation of why the product meets or exceeds the current specifications must be provided by the vendor in writing to Central Office Traffic. If approved, the product may be tested for the specified period as described above. If the product is satisfactory, the Department will consider a revision to the applicable specifications. Products will not be added to the Approved Products List that does not meet department specifications.

Products on the APL shall continue to perform satisfactorily. In addition, the vendors shall support the products. Products not performing as required or not supported are subject to removal from the APL.

Grounds for removal of products include but are not limited to:

- Significant change in product specifications or design without notification to the department.
- Failure to correct or replace products that are defective in manufacturing or workmanship.
- Repeated patterns of malfunctions of a product not adequately corrected by the vendor.
- Unreasonable pricing of repair parts or repair work. Repair work not completed in a reasonable time frame.
- Excessive delivery times for new purchases or replacement parts.

Changes in standard specifications may also necessitate removal of specific products from the APL. If this occurs, there will be a grace period where the product will be retained on the list after the specifications are changed. However the product will eventually be removed from the list if it is not revised to meet specifications.

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

VI. HIGHWAY SIGNING EQUIPMENT

BREAKAWAY DEVICES

MANUFACTURER	DESCRIPTION, MODEL
Ultimate Highway Products	Triangular Slip Base for 2.5" PSST, Slip-Mate
Xcessories Squared	Kleen Break 425 for 2" PSST, XKB42520-G
Xcessories Squared	Kleen Break Surface Mount 425 for 2" PSST, XKBSM42520-G
Xcessories Squared	Redi-Torque 280 for 2.5" PSST, SB8C-250A-G
Xcessories Squared	Redi-Torque 280 Pre-Assembled Slip Base for 2.5" PSST, RT8UX-25C25-G
Xcessories Squared	Redi-Torque Triangular Surface Mount Base, SMSB9-10-G
Xcessories Squared	Redi-Torque Bolt Kit, RTSB-MPHDW
Northwest Pipe Company	S-Q 8" Square Slipbase for 2.5" PSST, 31209
Designovations, Inc.....	Snap n Safe S200 and S200S (2")
Designovations, Inc.....	Snap n Safe S250 and S250 S (2.5")
Dent Breakaway Industries, Inc	3/4" Dent Bolt, #6882
Dent Breakaway Industries, Inc	5/8" Dent Bolt, #6878
Dent Breakaway Industries, Inc	1/2" Dent Bolt, #6874
Dent Breakaway Industries, Inc	5/8" Ground Anchors (Galvanized)
Dent Breakaway Industries, Inc	5/8" Modified Dent Bolt, #6220
Dent Breakaway Industries, Inc	3/4" Modified Dent Bolt, #6882

4 INCH SQUARE STEEL TUBE SIGNPOST – SINGLE POST INSTALLATION ONLY

This post is only used to support the following items:

- Exit Gore Signs
- Flat Sheet Signs 48" wide ranging in height from 60" to 96"
- Community Wayfinding Signs

MANUFACTURER	DESCRIPTION, MODEL
Xcessories Squared	MASSH-400 Signpost System with 54" concrete anchor
Atkore Allied Tube and Conduit.....	SafeSign Signpost System with 54" concrete anchor

SIGN HARDWARE

MANUFACTURER	DESCRIPTION, MODEL
Xcessories Squared	Aluminum Post Clamp for 2.5" Pipe, XAPC278RD
Xcessories Squared	Aluminum Post Clamp for 3" Pipe, XAPC350RD
Xcessories Squared	Aluminum Post Clamp for 4" Pipe, XAPC450RD
Xcessories Squared	Aluminum Post Clamp for Backer Bar, XAB750
Xcessories Squared	Aluminum Sign Backer Bar, ASB200P1
Xcessories Squared	Extruded Panel Clamp for 4" Square Post, EPPCS400SQ
Xcessories Squared	Extruded Panel Clamp for 2" PSST, EPPCS200SQ
Xcessories Squared	Extruded Panel Clamp for 2.5" PSST, EPPCS250SQ

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST

Xcessories Squared	Flat Sheet Post Clamp for 4" Square Post, SBPCS400SQ (Used with aluminum sign backer bar ASB200P1)
Xcessories Squared	Extruded Panel Clamp for 2.5" Pipe, EPPCS250RD
Xcessories Squared	Extruded Panel Clamp for 3" Pipe, EPPCS300RD
Xcessories Squared	Extruded Panel Clamp for 4" Pipe, EPPCS400RD
Xcessories Squared	Extruded Panel Clamp for 4x4 Wood, EPPCS44W
Xcessories Squared	Extruded Panel Clamp for 4x6 Wood, EPPCS46W
Xcessories Squared	Extruded Panel Clamp for 6x6 Wood, EPPCS66W

SIGNS

MANUFACTURER	DESCRIPTION, MODEL
Tapco	Blinkersigns

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST – RECENT REVISIONS

RECENTLY ADDED:

II. TRAFFIC SIGNAL EQUIPMENT

CONTROLLERS

170 CONTROLLERS

MODEL

McCainATC eX 2070
(Added December 2024)

CONFLICT MONITORS

NEMA CONFLICT MONITORS

MODEL

Reno A&EMMU2-1600 Series
(Added December 2024)

CABINET ACCESSORIES

AUXILIARY TIME CLOCK

MODEL

EltecTC-3000
(Added December 2024)

SURGE PROTECTORS

MODEL

Hesco/RLSHE1750
(Added December 2024)

SIGNAL HEADS

BACKPLATES

MODEL

PelcoBK-8000 Series
(Added December 2024)

III. HIGHWAY LIGHTING

LED LUMINAIRES

BRACKET ARM MOUNT (120/277V)

LED-A

MODEL

CooperARCH2-60-730-U-T3-AP-10K
(Added December 2024)

LED-B

MODEL

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST – RECENT REVISIONS

CooperARCH3-100-730-U-T3-AP-10K-K-10X-MODOT

LED-C

MODEL

CooperARCH3-160-730-U-T3-AP-10K-K-XPR-10X-MoDOT

(Added December 2024)

BASE MOUNTED CONTROL CABINETS

Myers Power Products

(Added December 2024)

IV. POWER SUPPLY EQUIPMENT AND PULL BOXES

PREFORMED PULL BOX-CLASS 1

MODEL

Straight

GlasMastersAP173024P22P-4J6

(Added June 2024)

NewBasisPCA173024-MODOT1 (Box & Lid)

(Added December 2024)

Flared

American Polymer CompanyP173024U22 (Box & Lid)

(Added December 2024)

PREFORMED PULL BOX-CLASS 2

MODEL

Straight

NewBasisPCA243624-MODOT2 (Box & Lid)

(Added December 2024)

GlasMastersAP243624P22P-4J6

(Added June 2024)

Flared

American Polymer CompanyP243624U22 (Box & Lid)

(Added December 2024)

PREFORMED PULL BOX-CLASS 3

MODEL

Straight

NewBasisPCA304836-MODOT3 (Box & Lid)

(Added December 2024)

Flared

American Polymer CompanyP304836HU22 (Box & Lid)

(Added December 2024)

PREFORMED PULL BOX-CLASS 5

MODEL

Flared

NewBasisFCA400036T Series

(Added December 2024 to replace outdated product number)

**MISSOURI DEPARTMENT OF TRANSPORTATION
APPROVED PRODUCTS LIST – RECENT REVISIONS**

**VI. HIGHWAY SIGNING EQUIPMENT
No updates**

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST – RECENT REVISIONS

RECENTLY REMOVED:

II. TRAFFIC SIGNAL EQUIPMENT

CONTROLLERS

NEMA TS1 CONTROLLERS	MODEL
Intelight..... <i>(Removed December 2024, item no longer manufactured)</i>	X-3 Series – NEMA X3C
NEMA ON-STREET MASTER CONTROLLER	MODEL
Econolite <i>(Removed December 2024, item no longer manufactured)</i>	ASC/2M
170 CONTROLLERS	MODEL
McCain.....	170E
Econolite..... <i>(Removed December 2024)</i>	170E

CONFLICT MONITORS

NEMA CONFLICT MONITORS	MODEL
Trafficware <i>(Removed December 2024, item no longer manufactured)</i>	NM512
170 CONFLICT MONITORS	MODEL
Eberle Design Incorporated (EDI) <i>(Removed December 2024, item no longer manufactured)</i>	2018

CABINET ACCESSORIES

FLASH TRANSFER RELAYS	MODEL
AMECO <i>(Removed December 2024, item no longer manufactured)</i>	136-4962
ISOLATORS (170 only) (242=DC, 252=AC)	MODEL
Reno A&E	242 (2 Channel)
Safetran.....	242
Safetran..... <i>(Removed December 2024, item no longer manufactured)</i>	252

DETECTORS

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST – RECENT REVISIONS

MICROWAVE DETECTORS

MODEL

Image Sensing Systems (ISS).....RTMS X-2 (RTMS Sx-300)
(Removed December 2024, item no longer manufactured)

**2-CHANNEL CARD RACK COUNTING
DETECTORS, SINGLE OUTPUT PULSE MODE
(NEMA)**

MODEL

Eberle Design Incorporated (EDI).....LMD632T
(Removed December 2024, item no longer manufactured)

**2-CHANNEL CARD RACK DETECTORS, STANDARD
(NEMA)**

MODEL

Eberle Design Incorporated (EDI).....LMD602R
(Removed December 2024, item no longer manufactured)

**2-CHANNEL CARD RACK DETECTORS, TIME DELAYMODEL
(NEMA)**

Eberle Design Incorporated (EDI).....LMD602T
(Removed December 2024, item no longer manufactured)

III. HIGHWAY LIGHTING No updates

IV. POWER SUPPLY EQUIPMENT AND PULL BOXES

PREFORMED PULL BOX-CLASS 1

MODEL

Flared

NewBasisFCA173022CC4126-62 (Box & Lid)

NewBasisFCA173022CC4749-61 (Box & Lid)

(Removed December 2024, item model number changes)

PREFORMED PULL BOX-CLASS 2

MODEL

Flared

NewBasisFCA243630CC4126-61 (Box & Lid)

NewBasisFCA243630CC4749-61 (Box & Lid)

(Removed December 2024, item model number changes)

PREFORMED PULL BOX-CLASS 3

MODEL

Flared

NewBasisFCA304836EE4749-61 (Box & Lid)

(Removed December 2024, item model number changes)

PREFORMED PULL BOX-CLASS 5

MODEL

Flared

NewBasisFCA540036C4800 (Box & Lid)

NewBasisFCA540036C40336 (Box & Lid)

NewBasisFCA540036-MODOT

**MISSOURI DEPARTMENT OF TRANSPORTATION
APPROVED PRODUCTS LIST – RECENT REVISIONS**

(Removed December 2024, item model number changes)

VI. HIGHWAY SIGNING EQUIPMENT

No updates

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST – RECENT REVISIONS

RECENTLY REVISED:

II. TRAFFIC SIGNAL EQUIPMENT

CABINET ACCESSORIES

ISOLATORS (170 only) (242=DC, 252=AC)	MODEL
Eberle Design Incorporated	242
<i>Changed December 2024, current model:</i>	
Eberle Design Incorporated	242L

DETECTORS

MICROWAVE DETECTORS	MODEL
MS Sedco	TC-26B
<i>Changed December 2024, current model:</i>	
MS Sedco	TC-CK1-SBE INTERSECTOR

SINGLE CHANNEL SHELF MOUNT DETECTORS, STANDARD	MODEL
Eberle Design Incorporated (EDI).....	LMD301S
<i>Changed December 2024, current model:</i>	
Eberle Design Incorporated (EDI).....	Oracle S1E

2-CHANNEL CARD RACK COUNTING DETECTORS, DUAL OUTPUT	
Eberle Design Incorporated (EDI).....	LMD632
<i>Changed December 2024, current model:</i>	
Eberle Design Incorporated (EDI).....	Oracle 2EC

SIGNAL HEADS

SIGNAL HEADS - POLY CONVENTIONAL	MODEL
North American Signal	PTXOOBB_0CB
<i>Changed December 2024, revised model number:</i>	
North American Signal	PTxx2BBx0CBxMO

III. HIGHWAY LIGHTING

LED LUMINAIRES

<u>BRACKET ARM MOUNT (120/277V)</u>	
LED-A	MODEL

MISSOURI DEPARTMENT OF TRANSPORTATION APPROVED PRODUCTS LIST – RECENT REVISIONS

CreeRSWM-A-HT-3ME-9L-30K7-UL-GY-N-Q3*

Changed December 2024, revised model number:

CreeRSWM-B-HT-3ME-9L-30K7-UL-GY-N-Q3*

LeoTekGCJ2-20H-MV-WW-3-GY-1A-WL-4B

Changed December 2024, revised model number:

LeoTekGCJ3-30J-MV-30K-3R-GY-075-WL-4B

LED-B

MODEL

CreeRSWL-A-HT-3ME-14L-30K7-UL-GY-N-Q9*

Changed December 2024, revised model number:

CreeRSWL-B-HT-3ME-14L-30K7-UL-GY-N-Q9*

BRACKET ARM MOUNT (480V)

LED-A

MODEL

CreeRSWM-A-HT-3ME-9L-30K7-UH-GY-N-Q3*

Changed December 2024, revised model number:

CreeRSWM-B-HT-3ME-9L-30K7-UH-GY-N-Q3*

LeotekGCJ2-20H-HV-WW-3-GY-1A-WL-4B

Changed December 2024, revised model number:

LeotekGCJ3-30J-HV-30K-3R-GY-075-WL-4B

LED-B

MODEL

CreeRSWL-A-HT-3ME-14L-30K7-UH-GY-N-Q9*

Changed December 2024, revised model number:

CreeRSWL-B-HT-3ME-14L-30K7-UH-GY-N-Q9*

IV. POWER SUPPLY EQUIPMENT AND PULL BOXES

No updates

VI. HIGHWAY SIGNING EQUIPMENT

No updates