



APPROVED MATERIALS LIST

Latest Update Effective: June 4, 2019

CONCRETE		ASPHALT						
Go To <a href="http://www.kcmmmb.org">www.kcmmmb.org</a> for approved concrete mix design.		Asphalt Sales						
Note: Concrete mix approvals expire according to the KCMMB schedule.		O'Donnell						
PRECAST INLETS/JUNCTION BOXES								
Pretech Precast Concrete								
Cretex Concrete Products Midwest (KC Concrete Pipe)								
Parshall Concrete Products								
Barbour Concrete								
Vanguard Precast Concrete								
EM Precast & Ready Mix								
ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
CONCRETE REPAIR	Unitex Propoxy ADP							
CRACK & JOINT SEALANT	Crafoo AR+	CMC 180						
NON-SHRINKABLE GROUT	Utilibond							
STORM SEWERS:								
INLETS	Clay & Bailey	Deeter	GCI	EJ	EJ	EJ		
	2020 Ring & Lid*	2016 Ring and Lid*	SM 2100	1501A and 1501Z	1502A and 1502Z	1003A and 1033Z2 HINGECO		
JUNCTION BOXES -	Clay & Bailey	Deeter	GCI	EJ	EJ			
Standard	2020 Ring & Lid*	2016 Ring and Lid*	SM 2100	1501A and 1501Z	1502A and 1502Z			
JUNCTION BOXES -	Clay & Bailey	GCI	Deeter	EJ	EJ			
Under Pavement	2007 Cover & Frame	SM 2257 w/o KCMO logo, w/o word "Sewer"	1320 Ring and Cover	1501A and 1501Z	1502A and 1502Z			
MANHOLES	Clay & Bailey	Deeter	GCI	EJ	EJ			
	2007 Cover & Frame*	1320 Ring and Cover*	SM 2206 Std.	1501A and 1501Z	1502A and 1502Z			
* Ring & Lid w/Lenexa Special Logo or Approved Equal								
INLET FRAME:	Shawnee Steel & Welding	Parshall Concrete						
	Steel Inlet Frame	Steel Inlet Frame						
GASKET:	Kent Seal	Press-Seal Corp.						
	Kent Seal No. 2	Pro-Stik						
	two-3/4" Dia. Bead	One 1" Bead						
	Kent Seal No. 2	CPS-210						
	one 1" Dia. Bead	One 1" Bead						
WATER-PROOFING	Koppers	Aylward						
(2 coats of 31 mil wet measure)	Bitumastic No. 50	Inertol No. 66 Special Heavy						
STEPS:	Deeter	GCI	Clay & Bailey	MA INDUSTRIES				
	1609	MS 1114B	2102	PS2-PF (Structures Up to 12' Depth)				
				PS3-PFC (Structures Over 12' Depth)				
STEPS:	American Step							
	ML-13 (Structures Up to 12' Depth)							
POLYETHYLENE PIPE	ADS (15" to 60")	Hancor (15" to 60")	Prinsco					
Type	N-12	Hi-Q, Sure-Lok, Blue-Seal	Goldflo WT HDPE Pipe					
Coupler	N-12 Split-Coupler, IB ST, IB WT	Coupling Bands, Sure-Lok, Bell/Spigot						
CONCRETE PIPE	Cretex Concrete Pipe	Hydro-Conduit	Vanguard	Pre-Tech	American Concrete Products			
Type	Class III, Wall B/C	Class III, Wall B/C	Class III, Wall B/C	Class III, Wall B/C	Class III, Wall B/C			
Coupler	Tongue and Groove, Mastic, Compression Seal, Bell and Spigot.	Tongue and Groove, Mastic, Compression Seal, Bell and Spigot.	Tongue and Groove, Mastic, Compression Seal, Bell and Spigot.	Tongue and Groove, Mastic, Compression Seal, Bell and Spigot.	Tongue and Groove, Mastic, Compression Seal, Bell and Spigot.			
UNDERDRAINS:								
4" Perforated Polyethylene Pipe (P.E.)								
UD-1	Concrete Supply of Topeka/Builders Choice Aggregates							

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
<b>LANDSCAPING:</b>								
Organic Soil Conditioner (tablets or powder)	Gro-Power 10-2-5	Gro-Life	Myke Pro					
Turf								
Tall Fescue / Turf-Type Blend	Team Mates							
Buffalo Grass	Tatanka	Sharps Improved	Cody	Bison		Plains	Top Gun	
Buffalo Grass (cont.)	Texoka							
Fertilizer	Helena Chemical Company	Pennington	Fert-Lome					
	PRO-MATE 18-24-12 with root enhancer	Starter Fertilizer 18-24-6	New Lawn Starter Fertilizer 9-13-7					
	PRO-MATE 16-24-12							
	PRO-MATE 13-13-13							
Filter Fabric:	Propex Inc.							
	Geotex 401							
<b>WOOD ROUND RAIL FENCING:</b>								
Copper Naphthenate Wood Fence	Guier Fence	Master Halco						
<b>IRRIGATION:</b>								
Controller	Calsense ET2000e							
<b>MISCELLANEOUS DRAINAGE:</b>								
Nyoplast Drainage Structures	ADS	Hancor						
Water Level Control Structures	Agdrain							
Perforated Polyethylene Pipe for Underdrains (4" or 6")	ADS							
Recycled Polyethylene Pipe	Hancor							
PVC Pipe for Underdrains (4" or 6")								
<b>EROSION CONTROL:</b>								
Silt Fence	Any Commercial Mfgr.							
Rock Bags	Any Commercial Mfgr.							
Polyacrylimides	ASP	Carter-Waters						
Gabion Baskets	Macaferri	TerraAqua						
Gabion Basket Interlocking Wire Fasteners	Macaferri	Tiger-Tite						
Erosion Control Blanket	Synthetic Industries Landlok BonTerra S2	American Excelsior Curlex II	North American SC150BN, SC150, C125BN	Greenfix America WS 072 or better.				
Turf Reinforced Matrix	Tenax Multimat 100	Enkamat 7010	Enkamat 7020	Maccaferri Macmat 10		Maccaferri Macmat 20	North American C125	
Extreme Duty TRM	Enkamat S55	Synthetic Industries	McAfferri MacMat R6P	Pyramat				
Coir Logs	Enkamat S110							
Curb Inlet Protector	ASP	ACF						
	SWP-CI BIG RED	GUTTER EEL						
Ditch Check	Geo-Synthetics LLC	Nilex, Inc.						
	Silt Dike	Geo-Ridge						
Flocculants	Biostar CH							
	Chitosan							
Coir Logs	Any Commercial Mfgr.							
Straw Wattles	Any Commercial Mfgr.							
Rip Rap Alternative	Scour Stop							
<b>BMP STRUCTURAL COMPONENTS</b>								
Water Level Control Structures	Agdrain							
Outlet Structure	Nyoplast							
Modular Greenroof	Rooftop Sedums, LLC							
Proprietary Units								
<b>TRUNCATED DOMES FOR HANDICAP RAMPS:</b>								
TILES WITH TRUNCATED DOMES - POLYMER CONCRETE/COMPOSITE (Plain or Reinforced)	DetectaShield by Maher Products, Inc. PO Box 145 Mingo, IA 50168 (641) 363-4330 Fax: (641) 363-3200 www.maherproducts.com	E-Z-Set Ceramic Composite Detectable Warning Panels by Detectable Warning Systems of Orange, CA. www.detectable-warning.com Available locally from Great Plains Contractors Supply, Shawnee Mission, KS	Castek, Inc. (Subsidiary of Transpo Industries, Inc.) Step-Safe Precast Polymer Concrete ADA Safety Tile	CASTinTACT Detectable Warning Panels, available locally from Carter Waters in Kansas City MO. Made by Masco. Catalog ADA 2448 PAV Brick Red		Interlock San Diego Concrete Detectable Warning Products "Tac-Tile"	Safe-T-Cast Detectable Warning Panel by Lake Ozark Precast of Sunrise Beach MO. Available locally from Construction Anchors, Inc. Concrete Supplies and Building Materials, KCMO	

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
TILES WITH TRUNCATED DOMES - POLYMER CONCRETE/COMPOSITE (Plain or Reinforced)	M. R. Castings, Inc. Manufactured Detectable Warning Panels P.O. Box 34232, Omaha, NE 68134 www.mrcastings.com	Arcis Corp. ADA Arcis Tactile Detectable Warning Panels (503) 647-5042 www.ARCIS-CORP.com	Access Tile Tactile Systems Engineered Polymer Composite Replaceable Cast In Place Detectable/Tactile Warning Tile Access Products, Inc. (888) 679-4022 Brick Red	ADA Solutions, Inc. Cast-in-Place (Wet-Set) Replaceable Tactile (800) 372-0519 www.ADATILE.com				
<b>MODULAR CONCRETE RETAINING WALL MATERIALS:</b>								
MODULAR BLOCKS	Pavestone Anchor Diamond Highland Stone Std, Windsor Stone Cap, Anchor Diamond Step	Miller Material Country Manor Glacier Series Std., Oldcastle Castlewall Capstone, Country Manor Glacier Series Step	Rockwood 8" Classic Std., Classic Cap. No Step approved.	Keystone Standard Straight Face, Cap. No Step approved.			Versa-Lok Square Foot Std. and Cap. No Step approved.	
<b>STREET LIGHTING:</b>								
LED LUMINAIRES	American Electric Lighting	Cooper	Leotek					
Type A - Gray	ATB2-60BLED RFD 222095		GCL1-60G-MV-NW-2R-GY- 700-PCR7-SC-WL					
Type A - Bronze	ATB2-60BLED RFD 222471		GCL1-60G-MV-NW-2R-DB- 700-PCR7-SC-WL					
Type C - Gray	ATB2-40BLED RFD 220633		GCM2-40H-MV-NW-2R-GY- 700-PCR7-SC-WL					
Type C - Bronze	ATB2-40BLED RFD 222470		GCM2-40H-MV-NW-2R-DB- 700-PCR7-SC-WL					
Type D - Gray	ATB0-30BLED RFD 222094		GCM2-30H-MV-NW-2R-GY- 700-PCR7-SC-WL					
Type D - Bronze	ATB0-30BLED RFD 222457		GCM2-30H-MV-NW-2R-DB- 700-PCR7-SC-WL					
Type E - Gray	ATB0-20BLED RFD 222485		GCJ120H-MV-NW-2R-GY- 700-PCR7-SC-WL					
Type E - Bronze	ATB0-20BLED RFD 222486		GCJ120H-MV-NW-2R-DB- 700-PCR7-SC-WL					
Type F - Gray - residential	ATB0 20BLED RFD 247935		EC1-6M2-MV-WW-2-GY- 530-PCR7-SC-WL					
Type F - Bronze - residential	ATB0 20BLED RFD 254488		EC1-6M2-MV-WW-2-FDB- 530-PCR7-SC-WL					
Type Z - Gray	ATB2-80BLED RFD 222096		GCL1-80G-MV-NW-2R-GY- 700-PCR7-SC-WL					
Type Z - Bronze	ATB2-80BLED RFD 222473		GCL1-80G-MV-NW-2R-DB- 700-PCR7-SC-WL					
Post-Top Style - Black	ARDCL 20LEDE70 MVOLT 3K R2 P7 SH	UTLDE02LEDDUSL3 4N7BC7030						
LED LAMPS	Phillips							
For Shoebox-Style Luminaires	473637 55ED28/LED/730/ND 120- 277V G2 4/1							
For Post-Top Style Luminaires	463364 40ED28/LED/730/ND 120- 277V 4/1							
SCREW-IN FOUNDATION	Chance	Pelco	Lemac/J.H. Boits	Earth Contact Products				
14' Pole	T112-0363	SK-1094-1 Rev C-R Series	Type R	LKS-66T-48-12				
20' Pole	T112-0363	SK-1094-1 Rev C-R Series	Type R	LKS-66T-48-12				
30' Pole - Single & Twin Arms	T112-0291/T112-0748	SK-1109-1 Rev A-T1 Series	Type J	LKS-66T-60-12				
40' Pole - Single Arm	T112-0293	SK-1108-1 Rev A-F1 Series	Type W	LKS-86T-60A-14				
40' Pole - Twin Arms	T112-0294	SK-1095-1 Rev C-F2 Series	Type U	LKS-86T-60B-14				
BREAKAWAY BASES	Valmont	Hapco						
11" Base	CS-300 KS-150	A79402						
15" Base	CS-370 KS-151	A79235						
LIGHT POLES	Hapco	P&K / Pfaff & Kendall	Valmont					
14' Pole	66338		KS-130					
20' Pole	A15764	RTA6M20AC511JV-12-SS	KS-153					

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
30' Single 6' Arm	79788-001	RTB7M309S1623C	KS-131					
30' Single 8' Arm	79788-002	RTB7M309S1823C	KS-131					
30' Single 10' Arm	79608-001	RTB8M309T1023C	KS-132					
30' Twin 8' Arm	79788-003	RTB8M309AS2823C	KS-133					
30' Twin 10' Arm	79608-002	RTB8H309AT2023C	KS-134					
40' Single 6' Arm	79788-004	RTB8H409S1623C	KS-135					
40' Single 8' Arm	79788-005	RTB8H409S1823C	KS-135					
40' Single 10' Arm	79608-003	RTB8H409T1023C	KS-136					
40' Single 12' Arm	79608-004	RTB8H409T1223C	KS-136					
40' Single 15' Arm	79608-005	RTB8H409T1523C	KS-136					
40' Twin 8' Arm	79788-006	RTB0H409AS2823C	KS-157					
40' Twin 8/12' Arm			KS-137					
40' Twin 12' Arm	80061-002	RTB0H409AT2223C	KS-137					
40' Twin 15' Arm	80061-003	RTB0H409AT2523C	KS-137					
ROUND POLE ADAPTOR/ARM	Leotek	Valmont (for use with Valmont poles ONLY)						
for Type F Luminaire attached to 20' Pole	RPB-DB	DR8437						
SQUARE POLE ADAPTOR/ARM	Leotek							
for Type F Luminaire attached to 20' Pole (Laminate)	SPB-DB							
STRANDED COPPER WIRE								
#6 AWG USE (IMSA 19-1)	Triangle	Southwire	General Cable	Essex		Senator	Tamaqua	Service Wire Co.
#4 AWG USE (IMSA 19-1)	Triangle	Southwire	General Cable	Essex		Senator	Tamaqua	Service Wire Co.
#2 AWG USE (IMSA 19-1)	Triangle	Southwire	General Cable	Essex		Senator	Tamaqua	Service Wire Co.
3c #14 AWG (IMSA 19-1)	Triangle	Southwire	General Cable	Essex		Anixter	Tamaqua	Service Wire Co.
SOLID COPPER WIRE								
#6 AWG USE	Triangle	Southwire	General Cable					
#4 AWG USE	Triangle	Southwire	General Cable					
#4 AWG & #6 AWG Bare	Alan Wire	Rome Cable Corp.	Essex					
FUSES	Ferrule	Cooper Bussman	Littelfuse	Ferraz Shawmut				
Residential: 5-Amp	KTK	KTK-5		ATM-5				
All Others: 8-Amp	KTK	KTK-8	KLK 8	ATM-8				
FUSE CONNECTOR BREAKER-TYPE	InFuse Breaker							
Breaker	Infuse-8							
Ground	Infuse-N							
FUSE CONNECTORS (with Boots)	Cooper Bussmann							
Line/Load (with Boots)	HEB-JJ (2A0660)							
Ground (with Boots)	HET-JJ (2A0661)							
MULTI-TAP CONNECTOR	Morris Products							
	97513							
PRE-INSULATED CONNECTOR	IlSCO Corp.							
GROUND ROD	ITT Blackburn	Knight Copperbond	Apache	Chance	Eritech/Erico			
3/4" x 10'	7510	1034		C613400	613400			
UNDERGROUND SPLICE KIT	MG2	Raychem/Tyco Electronics	NSI					
	MG2-SC-2	GHFC-2-90	ESGTS-20/ESGTS-2					
GROUND ROD CLAMP	ITT Blackburn	Burdny						
3/4 inch	JAB34H	GRC34						
SCHEDULE 40 PVC CONDUIT								
1, 1.5, 2, 3, & 4 Inch	Triangle	Carlton	Cantex	Heritage Plastics Central			Rocky Mtn Colby Pipe	
SCHEDULE 40 HDPE CONDUIT								
1, 1.5, 2, 3, & 4 Inch	PNA HDP	Dura-Line Corp.	Tamaqua	Amerplast, Inc.	Endot Industries	Carlton	Perma-Guard	
	Petroduct (Smooth Wall)	Silicore (Smooth Wall)			Enduct (Smooth Wall)			
HDPE COUPLINGS								
2-inch	Tyco Electronics	Dura-Line Corp.						
	20TC238SP	Shur-Lock II 2" SDR						
CURB MARKERS	Electrical Midwest							
JUNCTION BOXES	Quazite	CDR	Armorcast	Synertech	Highline	Newbasis	Carson	Martin Enterprises
12x12 Box	PC1212BA12	B34-1212-12		S1212HSFAOA		PCB121212A04	HLW1212-12	
12x12 Lid	PC1212HA0041	C32-1212-02		S1212B12FA		PCC121212A04	HLW1212-PC	
12x12 Box & Lid		A34-1212-12	A6001423TAPC		PHA121212	PCA121212A4009	HLW1212-12-PC	121212 PC HD
11x18 Box	PC1118BA12	B34-1118-12		S1118HSBBOA		PCB111812A04	HLW1118-12	
11x18 Lid	PC1118HA0041	C32-1118-02		S1118B18BAA		PCC111812A04	HLW1118-PC	
11x18 Box & Lid		A34-1118-12	A6001425TA		PHA111818	PCA111812A866	HWW1118-12-PC	111812PC
SERVICE BOXES	Quazite	CDR	Armorcast	Carson		Newbasis	Carson	

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
24" Round Box	PR2732BA36	B34-2700-36	A6000182TA	MSB2430B		FCV24003604	MS2436B	
Round Lid	PR2700HA0041	C34-2700-02		MSC-24		PCC240012D04	MS24	
36" Box & Lid		A34-2700-36	A60000183TA	MSB-3630				
CONTROL CENTERS for Street Lighting	Myers	Pacific Utility Products (PUP)	Tesco	Millbank				
	MEUG16A-M100-LEN	USP16R-M2100-112C-LEN-ALUM	28-105-LEN	CP3B91C15PAOLX4-KCPL CP3B51C15PAOLX4-Westar				
PHOTOCELLS with Delay	Area Lighting	Intermatic	Dark To Light					
	SST-IES	LC4536	DPR124-2.6-TJBK					
<b>TRAFFIC SIGNALS:</b>								
TRAFFIC SIGNAL VEHICLE HEADS	Eagle	McCain	3M	Peek		Econolite		
3-Section Type A	SA103A1131YBB			PSS83S300G				
3-Section Type B	SA103Q1131YBB			PSS83S300G ARROW MASKS				
4-Section Type Dd	SA104Z1131YBB-L			PSS84S419G				
4-Section Type Ed	SA104Z1131YBB-R			PSS84S419G				
3-Section LT Prog.		HPSES-36-61	3M-M131-325-Y(V)B					
3-Section Prog.		HPSES-30-61	3M-M131-321-Y(V)B					
PEDESTRIAN SIGNAL HEADS	Eagle	Mid-American Signal	McCain	Econolite				
2-Section Type P	SA302B1231YBB	MPPS82S834P						
1-Section								
SIGNAL BACKPLATES	Gades/Neodesha Plastics	Mid-American Signal	Pelco Products					
3-Section	BP483PO		BK-1003					
4-Section	BP484PO		BK-1004					
5-Section	BP485PO		BK-1005					
MAST ARM SIGNAL MOUNTING BRACKET	SKY (cable-type clamp kit)	Pelco						
3-Section		AG-0125-3-xx-PNC						
4-Section		AG-0125-4-xx-PNC						
5-Section		AG-0125-5-xx-PNC						
MAST ARM SIGN MOUNTING BRACKET	SKY (cable-type clamp kit)	Pelco						
Signs		AG-0142-yy-xx-PNC						
SIDE OF POLE MOUNTING BRACKET	Gades	Component Products						
Arms	UKS1452X/PDM-405	TSP880						
STRAP AND BUCKLES	Band-It							
Banding	005940 60119							
Buckles	005940 60123							
Sign Brackets	DO21							
LED KITS	GE	Dialight	Duralight					
Red	DR6-RTFB-VLA	433-1210-003XL	JXC300-HFR					
Yellow	DR6-YTFB-VLA	433-3230-901XL	JXC300-HFY					
Green	DR6-GTFB-VLA	433-2220-001XL	JXC300-HFG					
Red Arrow	DR6-RTAAN-17A	432-1314-001XOD						
Yellow Arrow	DR6-YTAAN-17A	431-3334-901XOD	JXJ300-07Y					
Green Arrow	DR6-GTAAN-17A	432-2324-001XOD	JXJ300-07G					
Bi-Modal Green/ Yellow Arrow	DR6-ECA6-21A	430-6370-001	JXJ-300VIYGA					
Countdown Display	PS7-CFF1-27A	430-6479-001X						
SERVICE BOXES	Quazite	CDR	Armorcast	Newbasis		Carson	Martin Enterprises	
27" Round Box	PR2732BA36	B34-2700-36		FCV24003604		MS3036B	270036 PC	
Round Lid	PR2700HA0046	SC34-2700-02		PCC240015D04		MS30		
Box and Lid		SA34-2700-36						
JUNCTION BOXES	Quazite	CDR	Armorcast	Newbasis	Highline	Carson		
12x12 Box	PC1212BA12	B34-1212-12		PCB121212A04		HLW1212-12		
12x12 Lid	PC1212HA0046	SC34-1212-02		PCC121215A04		HLW1212-PC		
12x12 Box & Lid		SA34-1212-12	A6001423TAPC		PHA121212	HLW1212-12-PC		
CURB MARKERS	Electrical Midwest	M-MAD2						
GROUND RODS	ITT-Blackburn							
3/4X10	7510							
GROUND ROD CLAMPS	ITT-Blackburn							
3/4"	JAB34H							
CABINET	PSI / Phillips	Safetran	McCain Traffic					
332D	332-D	332-D	332-D					
336	336-A	336-A	336-A					
SURGE PROTECTION UNIT	Atlantic Scientific							

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
Surge Suppressor	35326							
SURGE PROTECTOR	EDCO							
Arrestor	SHA-1210							
CONTROLLER	Safetran/Econolite							
	Rack Mount ATC Cobalt-C							
POWER STRIP	Tripp-Lite							
	RS-1215-RA							
TRAFFIC SIGNAL SOFTWARE	Econolite							
Firmware	ASC/3							
CONFLICT MONITOR with 1.5 second Watch Dog Trip	Reno A&E							
	2018							
DC ISOLATOR	PDC	GDI	TSC					
242	DCI-82 Model 242	DIM242	242					
FLASHER	EDI / Eberle Design	TSC	PDC	Reno A&E				
204	EDI 204	204	SSF-86 or SSF-88	FL-200				
LOAD SWITCH	EDI / Eberle Design	PDC	TSC	Reno A&E				
200	EDI 200	SSS-86 or SSS-88	200	LS-200				
FLASH TRANSFER RELAY	Magnecraft	Reno A&E						
430	W21ACPX-2	TR-200						
BATTERY BACK-UP SYSTEM	Blue Earth							
170 Rackmount inverter/controller and Living Hinge 500w battery panel (2 required)	UPStealth							
LOOP DETECTORS	3M-CANOGA	EDI / Eberle Design						
	822	LMD602t						
with Timings	822T							
OPTICOM	Global Traffic Technologies	Pelco						
Single Channel, Dual Detection Detector	721							
Two Direction, Dual Detection Detector	722							
Interface Panel	768							
Phase Selector	764							
Detector Cable	138							
Bracket W/ Cable		AB-0163						
SERVICE ENCLOSURE for Traffic Signal Controller	Myers	Pacific Utility Products (PUP)						
with street lights and/or illuminated LED street name signs	MET2-VLM-LTS	USP2R-100-112C-LEN-LT						
without street lights and illuminated LED street name signs	MET2-VLM-TS	USP2R-100-112C-LEN-TS						
POWER TRANSFER SWITCH	Gen Tran							
	FS300130							
FIBEROPTIC CABLE	Corning	Teldor	Hitachi					
	144R W4-14101D20	DRC-9-12X12-D-RP-D BK	60102-144					
FIBEROPTIC TRACER WIRE	Pro-Trace							
#10 AWG Stranded	74012xxxx							
PRETERMINATED INTERFACE PANEL-GATOR PATCH - 8 COUNT	Fiberconnections							
	GM 20 JO08FRB-XX-X							
UNDERGROUND SPLICE ENCLOSURE	Corning							
	SCF-6C28-01-144							
10/100 ETHERNET SWITCH	Cisco							
	IE 3000-8TC							
CLOSET SPLICE HOUSING	Corning							
	CSH-03U							
VIDEO ENCODER	Verint	Bosch						
	1970E-T-XT	VIP-XIXF						
CCTV CAMERA ASSEMBLY	Axis							
	Q6055-E							
FIBEROPTIC BOXES	Quazite	CDR	Armorcast	Carson	Highline	Newbasis	Martin Enterprises	
30x17 Box			A600164APCX					
30x48 Box	PG-3048-BA-36		A6001430AX36	H3048-36	PHA304836	PCA304836S	304836 PC	
30x48 Lid	PG-3048-HA-00-44-P			H3048-P1	PHA304836			
FIBEROPTIC DISTRIBUTION BOXES	Avaya							
	LST1U-072/7							

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
Hazard Tape - Fiber Optics	HTUGO-FO							
MICRO-LOOP PROBE	3M CANOGA							
	702							
LOOP SEALANT	Crafco	3-M	Bondo					
Asphalt	221-34221	Black 5000						
Concrete		Black 5000	E-708-CP					
PEDESTRIAN PUSH BUTTON ADA	Teeco	Polara	Campbell Co.					
	T-1265, Type HC2-ADA	BDSP-010-Y / BDPM-Y	4 EVR 120 / Rnd PPB					
PEDESTRIAN PUSH BUTTON ADA -	Polara Engineering	Campbell Co.	Pelco Products					
AUDIBLE	Navigator APS		IntelliCross					
PEDESTRIAN PUSHBUTTON FRAME EXTENDER	Polara Engineering							
6" Extender	PBFE-06							
10" Extender	PBFE-10							
PEDESTRIAN POLE ASSEMBLY	Pelco	Gades Sales Co.	Component Products					
Pole, Base, Anchor Bolts	PB-5101-X	PB-5100-X	CPI-AP-X					
Pole Cap		PB-5402						
SIGNAL CABLE	3M Canoga	Berkshire	BSCC	ICC		Belden	James Monroe	
2-Conductor (IMSA 19-1)						601457		
5-Conductor (IMSA 19-1)						601204		
7-Conductor (IMSA 19-1)						601205		
9-Conductor (IMSA 19-1)								
4c Lead-In Cable	30003	91278						
Loop Wire (IMSA 51-5)			931401	580206		580206		
<b>LED OVERHEAD STREET NAME SIGNS</b>								
Signs	Quantum Lite	LEDLIGHT	Edge Smart by Southern Manufacturing	Edge-Lit				
Sign Mount Kit	Pelco - AB-3009							
3-Conductor (IMSA 19-1)	3M Canoga	Berkshire	BSCC	ICC		James Monroe		
<b>GRC CONDUIT, FITTINGS &amp; ELBOWS</b>								
1, 1.5, 2, 3, 4, 5 Inch	Wheatland	Galvite	Allied	Cantex		Triangle	Armco	
<b>BUSHINGS</b>								
1, 1.5, 2, 3, 4, 5 Inch	Steel City	Bridgeport						
<b>SIGNAL POLES AND MAST ARMS</b>								
Drawing No.	DB-00198 REV H	Union Metal	TransAmerican	STD-01 REV A				
<b>PRESENCE RADAR DETECTION SYSTEM</b>								
	Wavetronics							
	WX-SS-225 SmartSensor Matrix Presence Unit							
	WX-CLK-650 SDLC Cabinet Interface Device							
	WX-SS-704 Harness Cable							
<b>ADVANCE RADAR DETECTION SYSTEM</b>								
	Wavetronics	Pelco Products						
Unit	WX-SS-200V SmartSensor Advance Unit							
Interface Panel	WX-CLK-650 SDLC Cabinet Interface Device							
Home Run Cable	WX-SS-705 Home Run Cable							
Harness Cable	WX-SS-704 Harness Cable							
Mounting Device	SS-611 Mounting Device	SP 5987-XX-PXX						
<b>NON-INVASIVE MICROLOOP PROBES</b>								
	3M							
	Model 702 Probes and Carriers							
	Model 702 Installation Kit							
	Canoga C800 Interface							
	Scotchcast 3832 Splice Kit							
<b>PAVEMENT MARKINGS:</b>								
Spray Thermoplastic	Cataphote	PaveMark						
	Thermo-Quick 710	PaveMark Thinline						
Preformed Thermoplastic	Stimsonite	Flint	Geveko					
	Hot Tape	Premark 20/20 Flex	Optamark					
Extruded Thermoplastic	Cataphote	Stimsonite						

ITEM	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER	MANUFACTURER
Asphalt Only	31101160							
	KS Leaded Yellow Alkyd	W5E-5GX-KS						
	Catatherm 31101162	Y5E-5GX-KS						
Asphalt and Concrete	Catatherm 31201162							
Glass Beads	Cataphote	Potter Industries						
<b>SIGN AND SIGN POST MATERIAL:</b>								
Sign Blanks (ASTM B 209) Alloys: 6061-T6, 6063-T6, 5154-H38 or 5052-H38								
Sign Sheeting	3M	Stimsonite						
	High Intensity Grade Diamond Grade VIP Grade	High Performance						
Round Sign Posts	Xcessories							
Aluminum Clamp Set	XAPC238RD							
Sign Backer Bar Set	XAB750							
Advance Street Name Sign Post	SB8-CTA48-G (in concrete)							
	SB8-CTWA48-G (in soil)							
Top Half Post Receiver	SB8C-250A-G							
Match Plate Hardware Kit	RTSB-MPHDW							
Sign Posts	TeleSpar							
Post	2" x 2" x 10' 14 GA							
Base	2 1/4" x 2 1/4" x 3' 12 GA							
Sleeve	2 1/2" x 2 1/2" x 18" 12 GA							