### CABINET AND BACKPANEL

**SM Material Code: 913M15031**

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### BUS INTERFACE UNIT (BIU)

**SM Material Code: 913M15033**

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### TRAFFIC SIGNAL CABINET POWER SUPPLY

**SM Material Code: 913M15035**

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## May 22, 2019

### TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT

**Specification Reference:** 922  
**SM Material Codes:** 913M15025 to 913M15100

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|              |              | **TRAFFIC SIGNAL MALFUNCTION MANAGEMENT UNIT (MMU)**  
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| TS0080       | EBERLE DESIGN INC. | MMU-2-16LE(ip) (Ethernet Capable) | W028703 | TS-2 |
| TS0200       | RENO A&E, | MMU-1600GE (Ethernet Capable) | W068705 | TS-2 |
| TS0200       | RENO A&E, | MMU-1600GE (Ethernet Capable) | W178707 | TS-2 |

### INTELELEGENT TRANSPORTATION SYSTEMS

SM Material Code: 913M15029

**ITS FIELD SERVER**

SM Material Code: 913M15029

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| TS0152      | HEWLET PACKARD ENTERPRISES | Controller, Multi-Purpose  
Model # HPE GL10 IoT Gateway Series | W188750 |       |

### TRAFFIC SIGNAL SECONDARY CONTROLLER

SM Material Code: 913M15030

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**TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT**

**Specification Reference:** 922  
**SM Material Codes:** 913M15025 to 913M15100

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### VEHICLE DETECTION INTERFACE DEVICES

**SM Material Code:** 913M15038

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### COUNTING VEHICLE DETECTORS

**SM Material Code:** 913M15032

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C924X Traffic Signal & ITS
## TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT

**Specification Reference:** 922  
**SM Material Codes:** 913M15025 to 913M15100

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**SM Material Code:** 913M15038

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**TRAFFIC SIGNAL ONLY EXTERNAL TIME CLOCK**

SM Material Code: 913M15042

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SM Material Code: 913M15070

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SM Material Code: 913M15043

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Specification Reference: 922
SM Material Codes: 913M15025 to 913M15100

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**SYSTEM INTERCONNECT**
SM Material Code: 913M15080

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**Specification Reference:** 922  
**SM Material Codes:** 913M15025 to 913M15100

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**SM Material Code:** 913M15027

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May 22, 2019

TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT

Specification Reference: 922  SM Material Codes: 913M15025 to 913M15100

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SM Material Code: 913M15028

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| TS0118 | DIGITAL LOGGERS, INC-----------------------------W188771 | FOR USE AT TRAFFIC SIGNALS ONLY |
|--------|--------------------------------------------------|
|        | Web Controlled Power Switch                      |
|        | Model # Digital Loggers DIN RELAY – 4            |

TRAFFIC SIGNAL HEAD (LED MODULES)
SM Material Code: 913M15095

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12" GREEN CIRCULAR INDICATIONS

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12" RED ARROWS

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May 22, 2019

TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT

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SM Material Codes: 913M15025 to 913M15100

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12" YELLOW ARROWS

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<td>MODEL: 432-2324-001XOD</td>
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<td>TS9027</td>
<td>LEOTEK</td>
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<td>W068739</td>
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<td>MODEL: TSL-12GA-LX-IL6-A1</td>
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<td>Note: This model is the arrow equivalent to -IL6-A1-P2.</td>
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<tr>
<td>TS9027</td>
<td>LEOTEK</td>
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<td>W178737</td>
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<td>MODEL: TSL-12GA-IL6-A1-P3</td>
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<td>Source Code</td>
<td>Manufacturer</td>
<td>Product Name</td>
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<tr>
<td>8171</td>
<td>SWARCO/FuturLED</td>
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<td></td>
<td>MODEL: FL-12G-S2-A</td>
<td>W088731</td>
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<tr>
<td>TS0255</td>
<td>TRASTAR/DURALIGHT</td>
<td>MODEL: JXJ300-07TG03</td>
<td>W108738</td>
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<tr>
<td>TS0098</td>
<td>GE Lighting</td>
<td>MODEL: DR6-GTAAN-VLA</td>
<td>W178738</td>
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COUNTDOWN PEDESTRIAN SIGNAL HEAD (LED)
SM Material Code: 913M15095

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Manufacturer</th>
<th>Product Name</th>
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<tbody>
<tr>
<td>TS0060</td>
<td>DIALIGHT CO</td>
<td>MODEL: 430-6479-001X</td>
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<tr>
<td>TS0120</td>
<td>GE LUMINATION/GELCORE</td>
<td>MODEL: PS7-CFF1-27A</td>
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<td>TS9027</td>
<td>LEOTEK ELECTRONICS USA CO</td>
<td>MODEL: TSL-PED-16-CIL-P1</td>
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<td>TS9027</td>
<td>LEOTEK</td>
<td>MODEL: TSL-PED-16-SPC-V1</td>
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<tr>
<td>TS0255</td>
<td>TRASTAR/DURALIGHT</td>
<td>MODEL: JXM-400VIEIL</td>
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<tr>
<td>TS0098</td>
<td>GE Lighting</td>
<td>MODEL: PS7-CFF1-VLA</td>
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TRAFFIC SIGNAL HEAD (EXTENDED LED MODULES)
SM Material Code: 913M15085

12" RED CIRCULAR INDICATIONS

<table>
<thead>
<tr>
<th>Source Code</th>
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<th>Product Name</th>
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<tbody>
<tr>
<td>TS0060</td>
<td>DIALIGHT</td>
<td>MODEL: 433-1210-003XL15</td>
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12" YELLOW CIRCULAR INDICATIONS

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<th>Source Code</th>
<th>Manufacturer</th>
<th>Product Name</th>
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<tr>
<td>TS0060</td>
<td>DIALIGHT</td>
<td>MODEL: 433-3230-901XL15</td>
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12" GREEN CIRCULAR INDICATIONS

<table>
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<th>Source Code</th>
<th>Manufacturer</th>
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<tr>
<td>TS0060</td>
<td>DIALIGHT</td>
<td>MODEL: 433-2220-001XL15</td>
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### 12” RED ARROWS

**Source Code**: TS0060  
**Manufacturer**: DIALIGHT  
**Product Name**: -------------------------------W168723  
**Approval Number**:  
**Comments**: Tinted

**Model**: 432-1314-001XOD15

### 12” YELLOW ARROWS

**Source Code**: TS0060  
**Manufacturer**: DIALIGHT  
**Product Name**: -------------------------------W168724

**Model**: 431-3334-901XOD15

### 12” GREEN ARROWS

**Source Code**: TS0060  
**Manufacturer**: DIALIGHT  
**Product Name**: -------------------------------W168725

**Model**: 432-2324-001XOD15

### LED MODULES FOR SOLAR APPLICATION (12 VOLT DC)

**SM Material Code**: 913M15095

#### 12” RED CIRCULAR INDICATIONS (12 VOLT DC)

**Source Code**: TS0060  
**Manufacturer**: DIALIGHT CO  
**Product Name**: -------------------------------W088735

**Model**: 433-1210-005XL

**Source Code**: TS0120  
**Manufacturer**: GE LUMINATION/GELCORE  
**Product Name**: -------------------------------W088736

**Model**: DR6-RTFB-23B

**Source Code**: SPO030  
**Manufacturer**: PRECISION SOLAR CONTROLS 12 WATT  
**Product Name**: -------------------------------W088737

**Model**: 2384

**Source Code**: TS9027  
**Manufacturer**: LEOTEK ELECTRONICS USA CO  
**Product Name**: -------------------------------W098730

**Model**: TSL-12R-LX-IL6-B1-P2

#### 12” YELLOW CIRCULAR INDICATIONS (12 VOLT DC)

**Source Code**: TS0060  
**Manufacturer**: DIALIGHT CO  
**Product Name**: -------------------------------W088738

**Model**: 433-3230-905-XL

**Source Code**: TS0120  
**Manufacturer**: GE LUMINATION/GELCORE  
**Product Name**: -------------------------------W088739

**Model**: DR6-YTFB-23B

**Source Code**: SPO030  
**Manufacturer**: PRECISION SOLAR CONTROLS 12 WATT  
**Product Name**: -------------------------------W088740

**Model**: 2385

**Source Code**: TS9027  
**Manufacturer**: LEOTEK ELECTRONICS USA CO  
**Product Name**: -------------------------------W098731

**Model**: TSL-12Y-LX-IL6-B1-P2
May 22, 2019

TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT

Specification Reference: 922
SM Material Codes: 913M15025 to 913M15100

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<thead>
<tr>
<th>Source</th>
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12" GREEN CIRCULAR INDICATIONS (12 VOLT DC)

TS9027 LEOTEK ELECTRONICS USA Co-------------------------------W098730
MODEL: TSL-12G-LX-IL6-B1-P2

SOLAR POWERED SCHOOL ZONE FLASHER
SM Material Code: 913M15035

TS0280 K & K SYSTEMS------------------------------------------W078731
MODEL: 112-IN SOLAR SCHOOL WARNING FLASHER

TS0290 CARMANAH----------------------------------------------W138731
MODEL: R829C SOLAR LED SCHOOL ZONE FLASHER

TS0281 SOLAR TRAFFIC CONTROLS-------------------------------W108730
MODEL: 80S080J-1 (NORTH) SOLAR SCHOOL WARNING FLASHER

TS0281 SOLAR TRAFFIC CONTROLS-------------------------------W108731
MODEL: 80S065I-1 (SOUTH) SOLAR SCHOOL WARNING FLASHER

TS0099 ELECTROTECHNICS CORPS--------------------------------W138730
MODEL: MODEL FS2 SOLAR SCHOOL ZONE FLASHER W/NTC17E TIME CLOCK

SOLAR POWERED 24 HOUR FLASHER BEACON
SM Material Code: 913M15035

TS0290 CARMANAH-----------------------------------------------W128732
MODEL: MODEL R247E (177-3013) SOLAR 24 HOUR FLASHING BEACON

TS0099 ELECTROTECHNICS CORPS-------------------------------W098733
MODEL: MODEL FS2 SOLAR 24 HOUR FLASHING BEACON

TS0280 K & K SYSTEMS------------------------------------------W078732
MODEL: 116-IN SOLAR 24 HOUR FLASHING BEACON

TS0281 SOLAR TRAFFIC CONTROLS-------------------------------W088732
MODEL: 80S24255I-4 SOLAR 24 HOUR FLASHING BEACON

TS0281 SOLAR TRAFFIC CONTROLS-------------------------------W088733
MODEL: 80S24255E-3 SOLAR 24 HOUR FLASHING BEACON

TS0049 TAPCO Blinker Beacon -----------------------------W138733
MODEL: 2180-BBDAY (Amber)

TS0049 TAPCO Blinker Beacon -----------------------------W138734
MODEL: 2180-BBDRY (Red)
**TRAFFIC SIGNAL and ITS CONTROL EQUIPMENT**

**Specification Reference:** 922  
**SM Material Codes:** 913M15025 to 913M15100

<table>
<thead>
<tr>
<th>Source Code</th>
<th>Manufacturer</th>
<th>Approval Number</th>
<th>Product Name</th>
<th>Comments</th>
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<tbody>
<tr>
<td>TS0029</td>
<td>CAMERA LOWERING SYSTEMS, INC.</td>
<td></td>
<td>MODEL: CDP6-16HDDE-2CONN</td>
<td>Arm and disconnect unit for external pole mount with guide cable and permanent mount lowering tool.</td>
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<tr>
<td>TS0029</td>
<td>CAMERA LOWERING SYSTEMS, INC.</td>
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<td>MODEL: CEPM-16HD-DE-XXX-110514</td>
<td>Arm and disconnect unit for external tower mount with guide cable and permanent mount lowering tool.</td>
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<tr>
<td>TS0242</td>
<td>COHUHD COSTAR</td>
<td></td>
<td>MODEL: CohuHD Rise 4220 Dome Camera</td>
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<tr>
<td>TS0242</td>
<td>COHUHD COSTAR</td>
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<td>MODEL: CohuHD Rise 4260 Positioner Camera</td>
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<tr>
<td>TS0148</td>
<td>MG SQUARED, INC.</td>
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<td>MODEL: CLDMG2-EXT-HYPIP-XX</td>
<td>Arm and disconnect unit for external pole/ Tower mount with guide cable and permanent mount lowering tool.</td>
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<tr>
<td>TS0254</td>
<td>TREEHAVEN</td>
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<td>MODEL: 13/C Composite Cable</td>
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<tr>
<td>TS0114</td>
<td>WTI</td>
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<td>MODEL: SIDEWINDER H.264 Standard Definition</td>
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<td>TS0114</td>
<td>WTI</td>
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<td>MODEL: Viper H.264 High Definition</td>
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<td>TS0259</td>
<td>TKH</td>
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<td>MODEL: BL880M11R, Networked Bullet Camera, 3.5-8MM Motorized, 8MP, H.264/MJPEG, P-Iris, IR, IP67</td>
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<tr>
<td>TS0254</td>
<td>TREEHAVEN</td>
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<td>MODEL: RVS 3000 Camera Controller</td>
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<tr>
<td>TS0254</td>
<td>TREEHAVEN</td>
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<td>MODEL: RVSFB120RNET Field Box Camera Interface</td>
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**SOLAR POWERED FLASHING LED SIGNS**  
**SM Material Code:** 913M15035

**ITS CLOSED CIRCUIT TV CAMERAS**  
**SM Material Code:** 913M15026
### ITS MICROWAVE VEHICLE RADAR
SM Material Code: 913M15025

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<tr>
<td>TS0545</td>
<td>WAVETRONIX</td>
<td>MODEL: SS105 SMART SENSOR TRAFFIC CONTROLLER ASSEMBLY</td>
<td>W108745</td>
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<tr>
<td>TS0545</td>
<td>WAVETRONIX</td>
<td>MODEL: SS125 SMART SENSOR TRAFFIC CONTROLLER ASSEMBLY</td>
<td>W108746</td>
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<td>TS0137</td>
<td>IMAGE SENSING SYSTEMS, INC.</td>
<td>MODEL: RTMS G4 RADAR</td>
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<tr>
<td>TS0137</td>
<td>IMAGE SENSING SYSTEMS, INC.</td>
<td>MODEL: RTMS SX-300</td>
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<tr>
<td>TS0545</td>
<td>WAVETRONIX</td>
<td>MODEL: #WX-SS-105V SMART SENSOR V</td>
<td>W128740</td>
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