

ISSP Traffic Engineering Purchase Instructions

Instructions updated 4/28/2026

Instructions for the purchase of Traffic Engineering items. The **ONLY** Traffic Engineering items that can be purchased are from the list below. Items that have been stuck-through may not be purchased.

Bulk orders will occur periodically, approximately every 3-4 weeks by district, however other smaller orders could occur for unusual circumstances. Mancon is not responsible for handling items. Mancon is not required to stock items from the Traffic Engineering Supplies list.

- 1) VDOT Traffic Operations Division/Districts (TOD) are responsible for obtaining a quote that includes the vendor's name, quote number, part number, and item description.
- 2) VDOT TOD will identify each item on the quote by notating the corresponding number from the Traffic Engineering Supplies list below on the quote next to each item. Any quotes without corresponding numbers should not be processed. A link(s) to the specific item may be requested for verifying an item(s).
- 3) VDOT TOD will email the quote and VDOT330 to the District SPM for verification.
- 4) The SPM will verify that all items on the quote are on the Traffic Engineering Supplies list with the corresponding number. If there are items on the quote that are not from the Traffic Engineering Supplies list, the SPM will return the request to TOD and the order will not be completed.
- 5) VDOT TOD will submit the SPM verification email, the supplier quote, and a one-line VDOT-330 to the ISSP Contractor using **LABTRAFFICENG** for the Item Number and one (1) for the quantity required. The description will have the vendor's name, quote number, and cost.
- 6) Vendor orders will be drop-shipped to VDOT TOD.
- 7) VDOT TOD is responsible for receipt of the order and informing the ISSP Contractor of receipt. If the vendor invoice is provided at delivery, it will be forwarded to the ISSP Contractor ASAP.
- 8) VDOT TOD will electronically sign for acceptance.

TRAFFIC ENGINEERING SUPPLIES

Maintenance Only

Page 1 of 2
Revised 5/10/25

JUNCTION BOXES AND COMPONENTS	CABLE, WIRE, AND ACCESSORIES	COMMUNICATIONS EQUIPMENT & COMPONENTS
<ol style="list-style-type: none"> 1. Traffic Signal Junction Box 2. Junction Box Cover 3. Uninterruptible Power Supply Cabinet 4. Flasher Cabinet 5. Add-on Communication Cabinet 6. Pleated Air Filter 7. Riser Base Adapter 8. Thermostatic Controlled Cooling Fan 	<ol style="list-style-type: none"> 9. Coaxial Cable, SJ Cable 10. Signal & Power Cable 11. Tether Span Cable 12. Span Cable 13. Strand Link, Strand Vise 14. THHN Wire 15. Solid Copper Wire 16. Rain-Tight Service Hub 17. Emergency Vehicle Preemption (EVP) Cable 	<ol style="list-style-type: none"> 18. Radio Cable Connector 19. Radio Surge Panel 20. Antenna Cable 21. CAT5E Ethernet Cable 22. CAT5 Ethernet Cable Connectors 23. DIN Rail
CONDUIT AND ACCESSORIES	ELECTRICAL AND UPS COMPONENTS	LEDs AND BLUBS
<ol style="list-style-type: none"> 24. Conduit (Ridge, PVC, Galvanized, etc.) 25. Conduit Body 26. Conduit Body Gasket 27. Conduit Body Cover 28. Bushing 29. Conduit Coupling, Conduit Fittings 30. Elbow, Nipple, Locknuts 31. Conduit Union 32. Two-Hole Straps 33. Super Strut, Strut Clamps 34. Stand-Off Hanger 35. Service Entrance Cap 36. Duct Seal, PVC Glue & Primer 37. Conduit Hubs 38. Set Connectors 	<ol style="list-style-type: none"> 39. Twist-Lock NEMA L5 Cable 40. Service Disconnect Switch 41. Breaker Box 42. Meter Base 43. Circuit Breaker 44. Power Supply 45. Line Filter 46. Terminal Strip 47. Ground System (Road, Connector, Coupler, etc.) 48. Splice Kit 	<ol style="list-style-type: none"> 49. 12" Signal LEDs (Balls, Arrows, and U-Turn) 50. Pedestrian Signal LEDs (Countdown, Man/Hand) 51. Programmable View LED 52. Fluorescent Tube 53. LED Indicator Blubs 54. LED Cabinet Light 55. LED Street Light Fixtures 56. Photo Cells 57. LED Replacement Bulbs 58. Solar Powered Flasher & Components

TRAFFIC ENGINEERING SUPPLIES

Maintenance Only

Page 2 of 2

Revised 5/10/25

TESTING EQUIPMENT WITH CALIBRATION AND TRAINING	TRAFFIC DETECTION EQUIPMENT & COMPONENTS	SIGNAL HEADS AND ACCESSORIES
59. MMU Tester 60. Grounding Tester 61. Intersection Display Panel 62. Cable Locator	63. Loop Amplifier 64. Amplifier Harness 65. Interface Harness 66. Data Collection Modules * 67. Ethernet Protection Module & Junction Box 68. Video Detection Power Panel * 69. Video Detection Surge Panel 70. Video Adaptors & Cables 71. Pedestrian Push Button Equipment <p style="text-align: center;">* Not allowed to be purchased.</p>	72. Aluminum Traffic Signal Head 73. Poly Traffic Signal Head 74. Pedestrian Signal Head 75. Signal Head Visor (Traffic Signal & Pedestrian Signal) 76. Signal Head Backplate
SIGNAL CONTROL COMPONENTS	SIGNAL/SIGN BRACKETS AND POLES	MISCELLANEOUS HARDWARE
77. Load Switch/Switch Pack 78. Flash Transfer Relay 79. NEMA Flasher Module 80. Bus Interface Unit (BIU) 81. AVA Technology LED Lights 82. Card Rack 83. Card Rack Power Supply 84. EDI Detector cards 85. SDLC Cable 86. Flasher Relay 87. Detector Interface Panel	88. Signal Mounting Bracket 89. Signal Mounting Tube 90. Signal Mounting Kit 91. Camera Mount Bracket 92. Sign Hanger Assembly 93. Sign Tube Bracket 94. Span Wire Signal Hanger 95. U-Bolt Kit 96. Signal Tether Bracket & Assembly 97. Signal Tether Clamp 98. Tri-Stud Bracket (upper & lower) 99. Post Top Signal Assembly 100. Signal Side hwilliamanger (upper & Lower) 101. Span Wire Clamp 102. Balance Adjuster 103. Extender Bracket 104. Pedestal Pole, Base, & Collar 105. Guy Wire Clamp and Cover 106. Hand Hole Cover 107. Pole Clamp	108. Bolts (Oval Eye, Hub Eye) 109. Hub-Eye adapter 110. Square Nut 111. Square Washer 112. Signal Pole Bolt 113. Signal Pole Nut 114. Signal Pole Washer 115. Rubber Grommets 116. Rodent Screen <div style="text-align: center;">PRODUCT REPAIRS</div> 117. LED 118. BIU 119. Flashing Chevron