



TRAFFIC SIGNAL AND ITS APPROVED MATERIALS LIST

Revised November 2025

Item	Approved Manufacturer / Model
Cabinet and Controller Assembly	Econolite Cobalt Econolite ATC P65 Cabinet Assembly (per TOQC typ. configuration) <ul style="list-style-type: none"> • ATC P65 PN:ATCC1395 • Autoscope comm manager ... pre-installed • Exterior generator power input plug 1093-024 • Emergency Generator Panel 171-1420-501 • 171-1423-501 lighting panel ... pre-installed • Manual control handheld remote (“pickle switch”) with detachable headphone jack connection in police panel (per TOQC typ. configuration) • Battery backup – ZincBlue 2 with two 500W battery, Inverter & PIM ... pre-installed • Cabinet Lock 54309P12 Best Access Systems • Cabinet inside painted white
Meter Pedestal	MYERS MEUG3A-2050 -M100-AZ (MOD) (or approved equal)
Video Detection	Autoscope Vision, Each intersection shall have (1) spare camera and mounting assembly
Emergency Vehicle Pre-emption	Tomar STROBECOM II – 4090-21-ST1IC-X series detectors, 4140 optical signal processor card with 4 channels, M913 detector cable (or approved equal)
Traffic Signal Poles (w/ anchor bolts), Signal Mast Arms, Luminaire Mast Arms	ADOT Standard Design (2013)
Vehicular and Pedestrian Traffic Signal Heads	Traffic Control Technologies, McCain Traffic Supply, 3M Corp., Eagle, Econolite, Peek Traffic Systems (aluminum only)
Traffic Signal Lamp	Dialight XL15-series LED (or approved equal)
Pedestrian Signals	Dialight X-series Uniform Appearance LED Countdown Signals (16x18), GE Lumination GT1 LED Countdown Signals (16x18), Excellence Opto. Inc. Countdown Signals (16x18) – all pedestrian modules shall meet the minimum ITE specification.

Pedestrian Push Buttons	Polara, Bull Dog – With Town logo etched into button Each intersections shall have (2) spare Push Buttons
Pedestrian Push Button Signs	Layout per ADOT Manual of Approved Signs, Code R10-3eAZ. Automatic Signal / Eagle Signal, McCain Traffic Supply, Pelco Products, Inc., Traffic Parts, Inc., Traffic Signal Hardware
Vehicular and Pedestrian Mounting Hardware	Econolite, McCain Traffic Supply Hardware, Automatic Signal / Eagle Signal, Pelco Products, Inc., Traffic Parts, Inc., Traffic Signal Hardware, Peek Traffic Systems, Inc.
Intersection Lighting Luminaires w/ Lamp	GE Evolve LED Roadway Scalable Cobrahead All luminaires shall have shorting caps installed.
Photo Electric Controls (w/ delay)	Fischer Pierce (or approved equal)
Pull Boxes, Vaults and Lids	ADOT No. 7 and smaller – Christy Fiberlite, Christy Fiberlite lid ADOT No. 9 – refer to engineering standard detail
Wire Marking Tape	3M Scotchkote Wire Marker Tape (or approved equal)
Wire Nuts (Silicone Filled)	IDEAL 451, 452 and 454 (or approved equal)
Conduit Warning Tape	Presco (or field-approved equivalent)
Illuminated Street Name Signs	Everbrite - Flag mounted 102.5"W x 35.5"H x 4"D Cabinet with L.E.D. back lighting. (TOQC to approve <u>all layouts</u> prior to ordering)
Solar Powered School Flashers	Solar Traffic Controls (or approved equal) with wireless connection to nearest traffic signal control cabinet.
CCTV	Axis Q6075-E PTZ Dome Network Camera with smoked dome. Each intersections shall have (1) spare camera and mounting assembly - T91L61.
Wireless	Encom Wireless – COMMPAKBB58N2INT 5.8 GHz integrated wireless radio (300 Mbps) (A wireless radio system requires two radios or more)
Fiber Optic Splice Enclosure	Tyco Electronics 450 Fiber Optic Gel Splice Closure, or as required by the Town Traffic Engineering group.# 450-D6-6-NT-0-D6V Splice Tray Kit #FOSC-ACC-D-TRAY-72-KIT
Gator Patch	Fiber Connections #G620J012LNB-Y-Z 12 fiber Gator Patch ITS drop cable.

Ethernet switch	<p>Ruggedcom (model# 6GK6092-0PS23-0CA0-Z-A05-B05-C05-D05) with four single mode, 1300nm, 25km SFP's (99-25-0101 = 1000LX SFP, Single mode, LC, 1310nm, 25 km). With External power supply Ruggedcom RPS 1300 and Din Rail mount (#6GK6000-8MS00-0AA0)</p> <p>And (16) Cat5e (350 MHz) Blue Molded Patch Cables RJ45 (Male/Male) – 6ft. (4) LC to SC Singlemode Duplex jumper 2 meters long.</p>
Geotextile inner duct	<p>Maxcell 3"-3 cell detectable</p> <p>Maxcell 2"-3 cell detectable</p>
ARID Device	<p>Iteris</p> <p>BlueTOAD Spectra RSU (combination Blue Toad Spectra and CV2X). # BT-RSU-SPECTRA</p> <p>In Cabinet Processor For CV Applications V2I Hub Ethernet Comm # BT-RSU-ICP</p>

Notes:

1. The Town reserves the right to modify this list, to reject items included on the list, and/or to accept items not included on the list, at any time, without prior notice, if determined necessary in the best interests of the Town.
2. Products not covered by this list shall be submitted to the Town for review and approval prior to ordering.
3. Brand names listed may be registered trademarks of their respective manufacturers.