



Procurement Division
PREQUALIFIED PRODUCTS LIST (QPL) OF
TO-4048
CONTROLLER UNIT, CABINET ASSEMBLY, AND FLASHER

The following controller units, cabinet assemblies, and flashers have been tested and are qualified for use when Departmental Specification TO-4048 Full-actuated Solid State Controller Unit (TS-2) with Diamond, TBC, Preempt, and Closed Loop Operation; and Base-Mounted TS-2 Cabinet Assembly (revised 7/12) is referenced.

CONTROLLER UNIT (ONLY) NEMA, TS-2, Pole-Mount/Base-Mount (12 and 16 positions), SDLC Traffic Controller Assembly with ABC Connectors (Type 2) and without ABC Connectors (Type 1)

Manufacturer	Model	Type	Software/Firmware Version
Econolite	ASC 3-1000	Type 1	2.64
	ASC 3-2100	Type 2	2.64
	Cobalt (Color Touch Screen)	Type 1 and 2	32.64
	Cobalt-C (Non Touch Screen)	Type 1 and 2	32.64
Econolite ATMS Software	Centracs ATMS		2.0
	Centracs Local Edition (Standalone)		2.0
Intelight	X1	Type 1 and 2	1.9.11
	X1L (Lite)	Type 1 and 2	1.9.11
	X2 (Color Touch Screen)	Type 1 and 2	1.9.11
	X3	Type 1 and 2	1.9.11
	X3 (Color Touch Screen)	Type 1 and 2	1.9.11
	X3L (Lite)	Type 1 and 2	1.9.11
Intelight ATMS Software	MaxView		1.8.5.494
Peek Traffic Corporation	ATC 1000 Gen 1	Type 1 and 2	3.18
	ATC 1000 Gen 2	Type 1 and 2	3.18
Peek ATMS Software	Spinnaker		2.0
	ATC Link (Standalone)		3.25
Siemens	8130-0400-*** (M52)	Type 2*	4.58/3.58
	8130-1900-*** (M52)	Type 2*	4.58/3.58
	8130-0402-*** (M52)	Type 2*	4.58/3.58
	8130-0402-*** (M52 Master/Local Combo)	Type 2*	4.00/3.58c
	8132-0000-*** (M60 NEMA Linux)	Type 2*	4.58
	8133-0000-*** (M60 ATC Lite)	Type 2*	4.58
	8133-0004-*** (M60)	Type 2*	4.58
Siemens ATMS Software	Tactics		3.2.2
Trafficware (Engineered by Naztec)	50099-22300-1	980 Type 1	61.4u
	50099-20300-1	980 Type 2	61.4u
	50260-2001	ATC Type 1	76.15g
	50260-2011	ATC Type 2	76.15g
	50280-2140	980 ATC Type 1	76.15g
	50280-2240	980 ATC Type 2	76.15g
Trafficware ATMS Software	ATMS.Now		2.7
	Street Sync (Standalone)		1.5

***Only Type 2 Siemens controllers with power adapter cables are being supplied to TxDOT.**

***** This denotes latest approved software by TRF-TM Signal Operations Branch.**

CABINET ASSEMBLY NEMA, TS-2, Pole-Mount/Base-Mount (12 and 16 positions), SDLC Traffic Controller Assembly without ABC Connectors

Manufacturer	Model	Configuration
Henke Enterprises, Inc.	M128T-TS2-1 P128T-TS2-1 P168T-TS2-1 HEN-TS2	Size 5, 12-position, Pole Mount Size 6, 12-position, Base Mount Size 6, 16-position, Base Mount Size 6, 16-position, Base Mount
McCain	M47800	Size 6, 16-position, Base Mount
Mobotrex Distribution (formerly Brown Traffic)	EL712-TX2 EL702-TX2 EL702-TX2P	Size 6, 16-position, Base Mount Size 5, 12-position, Base Mount Size 5, 12-position, Pole Mount
Paradigm Traffic Systems, Inc.	PT-M55128TS2-1 PT-P44128TS2-1 PT-P44168TS2-1	Size 5, 12-position, Pole Mount Size 6, 12-position, Base Mount Size 6, 16-position, Base Mount
Peek Traffic Corp.	8500-17568	Size 6, 16-position, Base Mount
RTC Manufacturing	TS-2-P16-TX	Size 6, 16-position, Base Mount
Trafficware (Engineered by Naztec)	70006-TS2TX 70006-3044 70006-3044(E) 70006-TS2TX12 70008-TS2TX12 70006-3060	Size 6, 16-position, Base Mount Size 6, 16-position, Base Mount Size 6, 16-position, Base Mount Size 6, 12-position, Base Mount Size 5, 12-position, Pole Mount Size 6, 16-position, Base Mount

Malfunction Management Unit (MMU), NEMA, TS-2

Manufacturer	Model	Software/Firmware Version
Eberle Design (EDI)	MMU-16LE MMU-16LEip MMU2-16LE MMU2-LEip	** ** 7.3 7.3
Eberle Design (EDI) Software	Eccom	4.2.3
Trafficware (Engineered by Naztec)	516L MMU	2.23

****Not NEMA FYA compliant unless updated to 7.3, then they become MMU2's which meets the NEMA FYA Standard.**

FLASHER NEMA, TS-2, Two-Circuit, Solid State, 15-Amp

Manufacturer	Model
Eberle Design (EDI)	810
GDI	204
PDC	204

BUS INTERFACE UNIT (BIU) NEMA, TS-2

Manufacturer	Model
Eberle Design (EDI)	BIU-700
Econolite	160-1003-501
Siemens	BIU-200
Trafficware (Engineered by Naztec)	BIU-130

Power Supply (PS), NEMA, TS-2

Manufacturer	Model
Eagle (Mobotrex Distribution, formerly Brown Traffic)	CPS105
Eberle Design (EDI)	PS250A PS250B
Trafficware (Engineered by Naztec)	PS2D

Surge Protection Device (SPD)

Manufacturer	Model
Dehn	SN 4616 (Part #989409/S)
Eaton	ITCF1203-RJ
Emerson	SHA-1235FS
HESCO	SPD 130K V2

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