

GLOSSARY

Wherever the following terms or abbreviations are used, the intent and meaning shall be interpreted as follows:

AAMA	American Architectural Manufacturer's Association
AC	Alternating Current
AC+	120 Volts AC, 60 Hertz ungrounded power source
AC-	120 Volts AC, 60 Hertz grounded return to the power source
ACIA	Asynchronous Communications Interface Adapter device, Motorola MC6850 or approved equivalent
ANSI	American National Standards Institute
APA	American Plywood Association
Assembly	A complete machine, structure or unit of a machine that was manufactured by fitting together and/or Modules
ASTM	American Society for Testing and Materials
AWG	American Wire Gauge
C	Celsius
Cabinet	An outdoor enclosure for housing the controller unit and associated equipment
CD	Carrier Detect
Certificate of Compliance	A certificate signed by the manufacturer of the material or the manufacturer (Vendor) of assembled materials stating that the materials involved comply in all respects with the requirements of the specifications
Certificate of Conformance	A certificate issued by the Florida Department of Transportation to a manufacturer of material/equipment stating that said materials: make, model, and type, are in conformance pursuant to Florida Statute for various traffic control devices for said device(s) to be sold, purchased and installed.
cfm	Cubic feet per minute

Channel	An information path from a discrete input to a discrete output
CKT	Circuit
CMOS	Complementary Metal Oxide Semiconductor
Component	A component shall be defined as an electrical or electronic device
Contractor	The person or persons, manufacturer, firm, partnership, corporation, vendor, or combination thereof, who have entered into a contract with the FDOT, as party or parties of the second part, or his or their legal representative
Controller Unit	That portion of the controller assembly devoted to the operational control of the logic decisions programmed into the assembly
City	City of Tallahassee Florida
County	Leon County Florida
COLA	Cost of Living Allowance - Inflation rate as determined by the Bureau of Labor and Statistics
CPU	Central Processing Unit
CR	ACIA Control Register
CS	Controller Status
CTS	Clear to Send
DAT Program	The State of California Department of Transportation's Diagnostic and Acceptance Test Program
dB	Decibel
dBa	Decibels above reference noise, adjusted
DC	Direct Current
Department of Transportation	Florida Department of Transportation also known as FDOT

DOW	Day-of-Week
DS	Door Switch
EEPROM	Electrically Erasable Programmable Read Only Memory Device
EG	Equipment Ground
EIA	Electronics Industries Association
EPROM	Ultraviolet Erasable Programmable Read Only Memory Device
Equivalent	<i>Connectors and Terminals:</i> complying to physical dimensions contact/pin material, plating and method of connection <i>Devices:</i> conforming to function, pin out, electrical and operating parameter requirements, access times and interface parameters of the specified device. Interpretation shall be in the judgment of the Engineer
ETL	Electronic Testing Laboratories, Inc.
EVA	Emergency Vehicle Preemption A
F	Fahrenheit
FL	Flash
FO	Force Off
FTR	Flash Transfer Relay (Same as Transfer Relay)
FTU	Field Transportable Unit
FU	Flasher Unit (Same as Solid State Flasher)
HEX	Hexadecimal
hg	Hectogram
Hz	Hertz
IC	Integrated Circuit

ID	Identification
i.d.	Inside Diameter
IEEE	Institute of Electrical and Electronic Engineers
I/O	Input/Output
IR	Isolation Relay
JETDS	Joint Electronics Type Designation System
Jumper	A means of connection/disconnecting two (2) or more conductive points by soldering/desoldering a conductive wire jumper
K	Relay
KRM	Red Monitor Relay
L	Lamp
Laboratory	The established laboratory of the Department of Transportation or other laboratories authorized by the Department to test materials involved in the contract
LCD	Liquid Crystal Display
LED	Light Emitting Diode
LR	Logic Relay
ma	Milliampere
MC	Mercury Contactor
MIC	Hitachi HD6303X microprocessor device (or approved equivalent)
MNMain	
MOV	Metal Oxide Varistor
ms	Millisecond
MU	Monitor Unit (Same as Conflict-Voltage Monitor)
mw	Milliwatt
M/170	Program Module/Module 170 Controller Unit Connector

NA	Presently not assigned. Cannot be used by the manufacturer/vendor or contractor for other purposes
NEMA	National Electrical Manufacturer's Association
NETA	National Electrical Testing Association, Inc.
NMI	Non-Maskable Interrupt
N.O.	Normally Open Contact
NOVRAM	Non-Volatile Random Access Memory Device
ns	Nanosecond
OF	Output File
PB	Push-button
PCB	Printed Circuit Board
PLA/PAL	Programmable Array Logic Device
ppm	Parts per Million
Q	Interrupt Request
RAM	Random Access Memory Device (Same as SRAM)
RDR	ACIA Receiver Data Register
RES	Reset Interrupt
RFI	Radio Frequency Interference
RMS	Root Mean Square
ROM	Read Only Memory Device
RR1	Railroad Preemption 1
RTC	Model 170 Controller Unit Real Time Clock. This circuitry provides a 170 CPU IRQ Interrupt pulse clocked off of the local power company's line frequency every 16.67 ms
RTCA	Real Time Clock Adjuster Circuitry
RTS	Request to Send
R/W	Model 170 Controller Unit Read/Write Control Line

RXD	Receive Data
SCI	Serial Communications Interface
Second Sourced	Produced by more than one (1) manufacturer
SOP	Signal Operating Plan
SR	ACIA Status Register
SRAM	Static Random Access Memory Device (Same as RAM)
STATE	State of Florida
SW	Switch
Switch Pack	Solid State Signal Load Switch
SWPK	Switch Pack
T&B	Tied and Bundled
TATMS	Tallahassee Advanced Transportation Management System
TBC	Time-Based Coordinator
TBS	Terminal Block - Service
TDR	ACIA Transmit Data Register
Thumb Screw Device	A 8-32 retractable screw fastener with projecting stainless steel screw, spring and natural aluminum knob finish (SOUTCO # 47-62-301-XX or approved equivalent)
TR	Transfer Relay
TTCS	Tallahassee Traffic Control System
TTL	Transistor-Transistor Logic
TXD	Transmit Data
ua	Microampere

UCF	Uniform Code Flash
UL	Underwriter's Laboratories, Inc.
us	Microsecond
VAC	Voltage Alternating Current
VDC	Voltage Direct Current
VMA	Valid Memory Address
Watchdog Timer	A monitoring circuit, external to the Controller Unit, which senses a Controller Unit Output Line
WDT	Watchdog Timer
XX	Manufacturer's Option