

922-T-196 CONTROLLER CELLULAR MODEM

(Revised 05-20-23)

The Standard Specifications are revised as follows:

SECTION 922, AFTER LINE 524, INSERT AS FOLLOWS:

8. Cellular Modems

a. Service Provider

All data, power and antenna cables, and all supplemental hardware shall be provided. The modem shall be compatible with the Department's current cellular carriers/providers, the traffic control device communications software, and the closed loop communications software that it is supplied for.

b. Modem Hardware

Cell modems shall be selected from the QPL of Traffic Signal and ITS Devices.

c. Modem Antenna

The modem antenna shall be selected from the QPL of Traffic Signal and ITS Devices. The antenna connectors for cellular service, GPS, and WiFi shall be configured to connect to the cellular modem.

d. Modem Software

The modem configuration shall be editable and viewable with MS-Windows provided software or with proprietary software that is included and designed to run on a MS-Windows operating system. The software shall auto-detect connection parameters and display settings when connected.

e. Installation and Support

The Department will supply the SIM card for the cellular modem.

The serial number shall be clearly labeled on the exterior of the modem. The cellular modem shall be installed, configured, and tested to allow data communication directly to a secondary controller. All data, power and antenna cables, and all supplemental mounting hardware shall be installed. The modem shall be powered by the cabinet power supply from a terminal location on the cabinet back panel or the power distribution panel. The antenna shall be mounted externally and the mounting location shall include a watertight seal.

The cellular modem shall include three years of product and licensing support, from the date of installation, to ensure all features are enabled. The cellular modem shall be preloaded onto the Department's Traffic Management Enterprise Cloud Manager, ECM, account.
