

SPECIFICATIONS

SUPPLIES OR SERVICES AND PRICE

**REMANUFACTURED ELECTRONIC PARKING
METERS**

(3 –Pages)

SPECIFICATIONS

C. SUPPLIES OR SERVICES AND PRICE

C.1.1 The District of Columbia, Office of Contracting and Procurement on behalf of the District Department of Transportation Office of the Director (DDOT/OD) and Transportation Operations Administration, intends to enter into a firm-fixed price contract to procure the services of a contractor to provide one thousand five-hundred (1,500) remanufactured electronic parking meters in the District.

C.1.2 The mechanism front shall be field upgradeable for coin only, coin/card and card only operation. The main circuit board shall be protected both front and back with die cast zinc. The power supply maybe 6 volt or 9 volt so long as it provides 2500mAh (milliamp hours).

C.1.3 The parking meter mechanism shall operate for 1-year under normal conditions with the provided power supply. All audit data must be recorded at the time of transaction.

C.2.1 The remanufactured meter shall have the following features:

C.2.2 **Front Display**

A) **Front Display:**

- 1) The mechanism front display shall have the following physical specifications. There shall be a high contrast/high visibility Liquid Crystal Display (LCD). The front display shall have the ability to display a red or green signal via Light Emitting Diodes (LED), which are visible from a minimum of 80 feet during night time operation.
- 2) The LCD shall consist of four (4) ½” high numerical digits, a colon plus four additional cons/symbols/messages. The display should also be able to display the words “out of order” when the unit is not working, display a minus sign for overtime or negative time, a low battery icon, as well as an invalid coin icon/symbol.

C.2.3 B) **Rear Display:**

- 1) The mechanism rear LCD must be able to display solid red or solid silver plus flash either the solid red or solid silver in synchronization with the front display if need be.

- 2) The words “expired” and “out of order” should be able to be displayed as well as two (2) international no parking symbols.

C.2.4

C) **Coin Acceptance:**

- 1) The mechanism must discern sixteen (16) different coin/card combinations. All coins shall be inserted through a heavy-duty stainless steel coin entrance. The coin entrance shall screen out any bent or oversized coins. The coin chute shall be field replaceable with no calibration/training required.
- 2) The mechanism shall have a “clear view” chute channel to allow for quick removal of foreign debris. The dual coil coin discrimination device shall have a proximity coil set to activate the mechanism when a coin is inserted
- 3) There shall be no exposed wires and the mechanism shall evaluate all metallic objects providing a **count of the coins by denomination**. As well the mechanism shall track and account for all metallic objects deposited which are not assigned a time and provide for these numbers in the audit report as well.
- 4) The mechanism must be able to detect and show when it has a non-metallic jam such as plastic or paper.

C.2.5

D) **Real Time Clock:**

- 1) The mechanism shall be equipped with a 365-day calendar real time clock.
- 2) This time clock will enable the following programmable options; daylight saving time for one year in advance, time of day operation, day of week operation, no parking times, overtime/grace periods, split rates and deferred rates.
- 3) This clock must be accurate to the industry standard.

C.2.6

E) **Communication and Data Transfer:**

- 1) The mechanism shall have a minimum of one infrared (IR) wireless communication port to send/receive data from only an authorized communications device.

- 2) Audit transfer of data shall be accomplished within three (3) seconds, rate changes, time changes etc, within ten (10) seconds.

C.2.7 The contractor shall provide parking meter mechanism that is fully electronic, no moving parts. It must consist of the highest-grade materials and be manufactured in conformance with ISO 9002 or a similar internationally recognized certified quality process. The operating temperatures shall be minimum -36C to +80C.

C.2.8 The contractor shall design the parking meter mechanism to work under extreme conditions of grime, rain, sleet, and snow as well as the normal street usage found in the City of Washington, D.C. The mechanism shall be 100%% compatible with industry standard parking meter housings.