



REQUEST FOR BID  
Date: 5/19/09  
Bid 09-14DS

RETURN BY OPENING TIME TO:  
Purchasing Division  
RM 100 City Hall  
411 West 1<sup>st</sup> Street  
Duluth, MN 55802

**SOLAR OPERATED PARKING KIOSKS**

Buyer: Dennis Sears  
Phone: 218-730-5003  
Fax: 218-730-5922

**BID OPENING, RM 100 AT 2:00 PM ON THURSDAY, JUNE 4, 2009**

Note: All bids must be written, signed, and transmitted in a sealed envelope, plainly marked with the bid number, subject matter, and opening date. The City of Duluth reserves the right to split award where there is substantial savings to the city, waive informalities and to reject any and all bids. Bidder should state in proposal if bid is based on acceptance of total order. Sales tax is not to be included in the unit price. Bidder to state freight charges if, proposal is F.O.B. shipping point, freight not allowed. Low bid will not be the only consideration for award of bid. All pages must be signed or initialed by authorized bidder's representative as indicated at the bottom of the page(s) of the request for bid forms.

RETURN BID IN DUPLICATE WITH DUPLICATE DESCRIPTIVE LITERATURE FOR BID RESULTS, ENCLOSE A SELF-ADDRESSED, STAMPED ENVELOPE WITH BID

City bid information on website: [www.duluthmn.gov/purchasing/bid information.cfm](http://www.duluthmn.gov/purchasing/bid%20information.cfm)

Designated F.O.B. Point

Tax: Federal Excise Tax Exemption  
Account No. 41-74-0056 K

Item No.	Qty	U/OM	Description	Unit Price	Total Price
01	4	EA	Solar operated parking kiosks per attached specifications/description		

Vendor E-mail Address \_\_\_\_\_ Freight Charges N/A

Name \_\_\_\_\_

Total Bid Price \_\_\_\_\_

Addr \_\_\_\_\_

(To include any additional pages)

Payment Terms \_\_\_\_\_

By: \_\_\_\_\_

F.O.B. Point N/A

(print title)

Delivery Date N/A

(signature) (tele#)

## Specification for Pay and Display Parking Fare Collection System

### Scope

Contractor will provide a turnkey Pay and Display Parking Fare Collection system for the City of Duluth on street parking located on Canal Park Drive. The parking contractor Chosen must provide equipment proven in cold weather operation. The Parking contractor must maintain a supply of spare parts and have them available for advance replacement and shipment within 24 hours of request call from the city.

The Parking Fare system will allow for a minimum of one terminal for every 15 parking spaces and will be placed in such a manner acceptable to the City of Duluth, and take into account functionality and pedestrian flow from the parking areas. Terminals used in a pay and display application must be linked to a remote Central Management System capable of providing the city with all required financial, statistical and maintenance information. Each terminal must function independent of any other system in the terminal.

Prior to award of contract and installation of Pay & Display system the contractor will provide the city with a minimum of three references utilizing like equipment in a similar system configuration and environmental conditions.

Upon completion of the installation the parking contractor will provide for a minimum of two hours of training for the end user. This training will cover all functionality, first line maintenance, collections and enforcement for system.

### Equipment

Parking Pay & Display terminals will be of an all stainless steel construction and will have an operating temperature of -31° to 140° F and operate in a relative humidity of 95%.

Terminals must allow for payments with coins, bills and credit card. Terminals must be capable of cell phone payments.

Terminal must be capable of limiting amount of credit card payment.

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All terminals on street must be solar powered and have on-board battery back-up for operation to prevent against programming and data loss. Batteries will be charged by solar panels that will preclude manual charging for a minimum of 1 year.

All terminals will provide an eternal calendar function with summer and winter times and provide for automatic daylight savings time change.

The terminals must have hidden locks for access to any maintenance and vault areas.

The Pay & Display terminal must provide for multiple languages and be selectable on the terminal face.

The terminals provided will have secured steel collection canisters for both coins and bills. Vault areas will not be accessible from the maintenance area of the terminal. Maintenance and vault areas will be keyed differently. The coin selector will allow for 15 different coins to be used in the terminal. The terminal must provide an overfill protection warning for both coin and bill vaults. The note acceptor, if being utilized, will allow for a minimum of 6 different bill denominations. The note acceptor unit will be a “*stacker*” type acceptor capable of bill verification within 8/10ths of a second.

Terminals must provide for *permanent* software configuration at the terminal to include tariff structures, rates and display information. Data storage at the terminal will be a minimum of 512 KB static ram, transaction storage of up to 16 MB and have a transaction backup of a minimum of 5000 latest transactions.

Each terminal will provide a thermoelectric printer and support ticket rolls with a ticket capacity minimum of 4000 receipts. Each terminal will provide a card reader for credit card payment.

During a credit card transaction, the reader must operate in such a manner that the card does not leave the customers hand. The reader will be a dual technology reader capable of accepting either magnetic stripe cards of chip “*smart*” cards.

Terminals will include a modem for wireless communication to the Central Management System. The modem transmission type provided must be either WiFi, GSM or GSRM. The modem transmission must be proven and shown to provide a dependable, working signal at each location.

The terminals will provide for multiple tariff functions, which must be programmable by the city through the CSM and/or at the terminal.

The Pay & Display terminals must allow for all data transfer between the terminal and a PC via the modem or memory card.

Terminal faceplate graphics will be customized in accordance with city specifications and information requirements.

All equipment will carry a full one year parts and labor warranty from date of installation.

### **Central Management System**

The CSM will allow for supervision of all maintenance, statistical, financial and credit card data from a remote location. Statistical data will include, but not limited to, number of users per day of the week, time and charge level; the amount of income obtained by each payment method and log all transactions.

The CSM will allow for any statistical data to be printed in an acceptable graph form.

The CSM will allow for user programming of grace periods, holidays or other free parking periods. All programming shall be capable of being accomplished remotely via wireless.

The CSM will allow for rate change, custom ticket layout, time intervals and text display changes to be made from a remote location *by the end user* to one particular terminal or to all terminals in the system.

The CSM must allow for various security levels and these levels must be password protected. The CSM must allow for use of credit card payments at the terminals via On-line/ real-time authorization. Authorization return from bank must be within 15 seconds. Equipment provider must include with bid a copy of PCI level 1 compliance for real-time credit card transactions.

The CSM must provide alarm warnings for all crucial terminal functions including coin box full, note canister full, receipt tickets out, door open, card reader malfunction etc.

The CSM must allow for 7 day, 24 hour access by city personnel.