

OHIO TURNPIKE COMMISSION

ADDENDUM NO. 1

BID INVITATION NO. 4183
FOR FURNISHING FULL MATRIX PORTABLE CHANGEABLE MESSAGE BOARDS

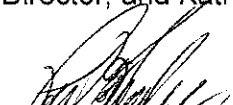
OPENING DATE:
2:00 P M. (E.D.T), MAY 3, 2012

ATTENTION OF BIDDERS IS DIRECTED TO:

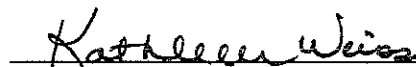
MODIFICATIONS TO THE BIDDING DOCUMENTS

SPECIFICATIONS
Page 7e

Issued by the Ohio Turnpike Commission April 26, 2012. Authorized by Richard A. Hodges, Executive Director, and Kathleen Weiss, Director, General Counsel


Richard A. Hodges

4/24/12
Date


Kathleen Weiss

4/26/12
Date

THE FOLLOWING MODIFICATIONS ARE MADE TO INVITATION NO. 4183:

Modifications are shown with ***bold italicized*** text and deletions are shown with ~~strikethrough~~ text. (PLEASE SEE THE REPLACEMENT PAGE ATTACHED).

SPECIFICATIONS: Page 7e:

Page 7e: The last paragraph is modified as follows:

“The remote base station hardware will be furnished by the Commission and communicate with the PCMB through the use of wireless communications utilizing graphical user interface (“GUI”) software. All components of the PCMB controller shall be NTCIP ~~compliant and compatible.~~”

Receipt of Addendum No. 1, Invitation No. 4183 is hereby acknowledged:

(Firm Name) _____

(Signature) _____

(Printed Name) _____

(Date) _____

BIDDERS MUST RETURN THE ABOVE ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM NO. 1 WITH THEIR BID.

SPECIFICATIONS

Sign Display: (Cont'd)

The viewing angle of the LEDs shall be not less than thirty (30) degrees. Display brightness shall be controlled automatically by means of a photocell and manually via the control console.

Each modular section of the display shall be 100 percent solid-state, completely interchangeable with any other module and not require any programming. The modules shall be capable of being removed and replaced from the sign individually in a time period of less than ten (10) minutes without the need for specialized tools. The module mounting shall incorporate vibration isolators.

The quantity and intensity of the LEDs shall be of such configuration so as to produce the necessary intensity levels for both daytime and nighttime operations; a uniform range of illumination shall be presented in the entire sign display. LED pixels shall be controlled by the sign controller in conjunction with a photocell to automatically and effectively increase/decrease the pixel intensity for daytime/nighttime operations.

The sign shall be capable of displaying graphic messages consisting of twenty-nine (29) Manual of Uniform Traffic Control Devices ("MUTCD") Part VI construction zone signs or any of the arrow board functions.

Controller Hardware:

On-board Controller:

The PCMB shall be controlled by an on-board sign central processing unit ("CPU") which shall be in an enclosed, weather tight control cabinet. The CPU shall utilize a backlit LCD handheld controller interface using menu based programming protocol that is fully compatible with all existing Ohio Turnpike Commission owned American Signal Company, Inc's PCMBs. The controller shall be powered by the 12-VDC battery system. The on-board controller shall be wireless and have a high-contrast display screen and keyboard with flexible waterproof cover.

The PCMB shall have the memory capacity to retain 199 pre-programmed messages, 199 user-generated messages, and 250 message sequences (with up to six (6) messages per sequence).

The PCMB shall be capable of remote operation via communications through the use of a Sierra Wireless Raven XI modem.

An external computer shall not be required to program or run the PCMB. However, the on-board computer shall be capable of being programmed (able to receive a download of a master message library for message uniformity across the fleet) by a laptop computer or a handheld master controller.

Remote Base Station Controller:

The remote base station hardware will be furnished by the Commission and communicate with the PCMB through the use of wireless communications utilizing graphical user interface ("GUI") software. All components of the PCMB controller shall be NTCIP ~~compliant~~ and compatible.