



City of Raymore

100 Municipal Circle · Raymore, MO. 64083

Phone · 816-892-3045 · Fax · 816-892-3093

ADDENDUM NO. 1

Audible Pedestrian Push Buttons: Project #17-265-201

All plan holders are hereby notified and agree by signature below, that the bid includes consideration of the following changes, amendments, and/or clarifications and costs associated with these changes and are included in the bid.

Addendum No. 1 - Model Change

1. Model change requested from:
Polara Model EN23CNO 2-wire Pedestrian Button system to iN2 - iNavigator Push Button Station that shall include external speaker with special message.

Specification sheet is attached.

Any other questions regarding this proposal shall be submitted to Kim Quade, CPPB by e-mail at kquade@raymore.com or by phone at (816) 892-3045. There will be no questions allowed after February 24, 2017 at 5 p.m.

I hereby certify that the above have been considered and associated costs have been included in this bid.

Company Name: _____

By: _____

Title: _____

Address: _____

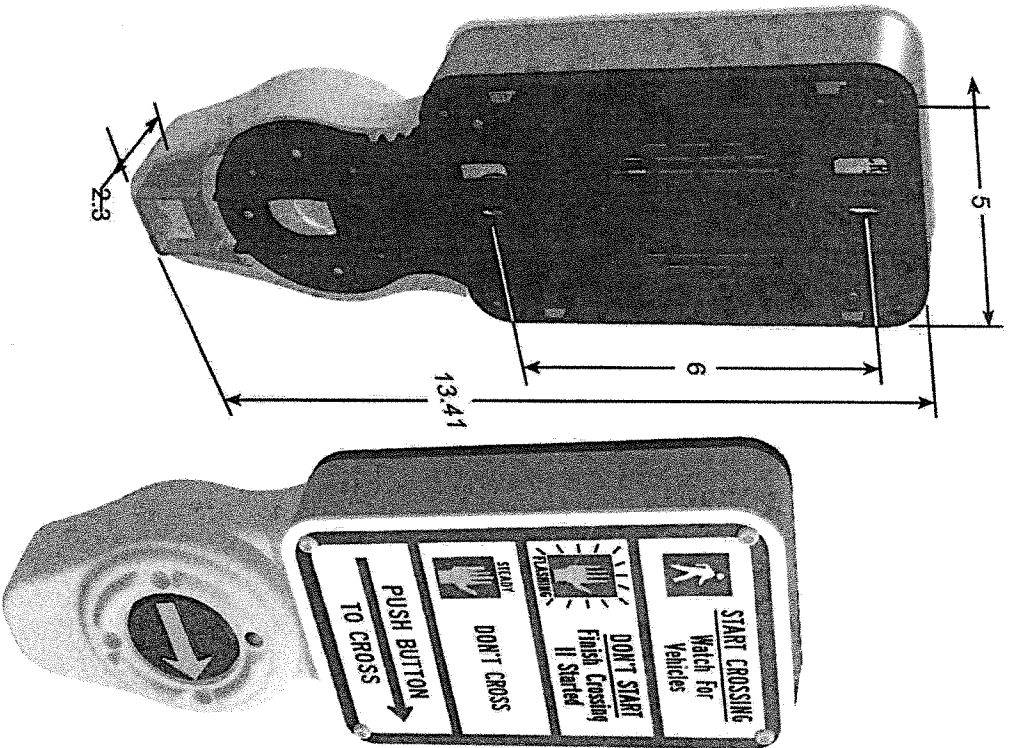
City, State, Zip: _____

Date: _____ Phone: _____

Signature of Bidder: _____

ADDENDUM MUST BE SUBMITTED WITH BID

iN2 – iNavigator 2-Wire Push Button Station



iN25BN0-Y unit shown. Dimensions are in inches. All dimensions are reference only and subject to change without notice.

The iN2 Navigator 2-Wire Push Button Station (iN2 PBS) is the pedestrian interface to the iNavigator Accessible Pedestrian System. Main components of a system consists of a Control Unit (P/N: iCCU-S or iCCU-C) and two or more Push Button Stations. The iN2 is an MUTCD compliant PBS, providing valuable information and cues via both a vibrating arrow button and audible sounds, making the intersection accessible for all pedestrians. All sounds emanate from both the front and the back of the unit. A sunlight-visible red LED latches "ON" along with a tactile feedback "bounce" to confirm the button has been pushed. The vandal-resistant designed iN2 PBS includes the body which houses the ADA compliant push button (shown), a faceplate (sign), and mounting hardware.

By interfacing with the Control Unit that installs in the Traffic Signal Control Cabinet, the iN2 PBS can provide the following standard features:

- Operates over a single pair of wires
- All push button stations wired in parallel, individually assignable to any phase
- 16+ buttons can operate with a single Control Unit*
- All sounds are synchronized
- 4 Locate Tone selectable options
- 14 Walk Sound selectable options, 3 of them custom options
- 7 Clearance Sound selectable options
- Walk, Clearance and Don't Walk sounds adjust automatically to ambient
- Separate ambient response settings for Locate Tone (for quiet ambient conditions)
- Most sounds have independent Min/Max settable limits
- Button vibrates during Walk
- Button push confirmed by latching LED, tactile bounce, and audible "wait" sound
- Extended button push can boost volume for next Walk and Clearance
- Direction of travel message with extended button push, capable
- Extended Push Priority: Mutes all but selected crosswalk, capable
- Extended Push Activation Settings: 0-6 second range, .5 second increments
- Beaconsing and Ping Pong features available
- Select audio messages, change settings, and perform firmware updates wirelessly using iOS devices, or a Windows PC with Polara's Bluetooth Dongle (P/N: iN-DGL)
- Built in Health/Event logging feature, up to 300 events
- False Walk Detection: Four independent checks
- External Speaker-Option at time of order
- External Button Input for bike lane, horses, etc.

* Dependent on limited by power requirements and wire runs

Operating Specifications

Parameter	Rating
Operating Temperature Range	-34°C to +74°C (-30°F to +165°F)
Storage Temperature Range	-40°C to +85°C (-40°F to +185°F)
Operating Force	3.0 lbs Maximum, three adjustable programmed forces are optional
Switch Operating Life	Greater than 20 Million Operations
Maximum Volume	100 dB @ 1 meter

Design Compliance

Test Type	Compliance
Functionality	MUTCD 2009 - 4E
Temperature and Humidity	NEMA TS 2*
Transient Voltage Protection	NEMA TS 2*
Transient Suppression	IEC 61000-4-4, IEC 61000-4-5*
Electronic Noise (Bluetooth Radio)	FCC Title 47, Part 15, Class A*
Mechanical Shock and Vibration	NEMA TS 2*
IN2 PBS Enclosure	NEMA 250 - Type 4X*
Electrical Reliability	NEMA TS 4

- Notes:
1. Applicable sections only of reference standards.
 2. All specifications are subject to change without notice.
 3. All specifications are typical unless otherwise specified.
- * Tested and Certified by Independent 3rd party laboratory.

