F7a

CITY ADMINISTRATOR'S OFFICE MEMO
cityadmin@hiawatha-iowa.com
319-393-1515 ext.523

To: Mayor and City Council

From: City Administrator, Kim Downs

Date: January 27, 2017

RE: Boyson Road/Tower Terrace Road Pedestrian Crossing

At our last council meeting the Linn County Trails Association and the Hawkeye Bicycle Association present the request to provide additional trail crossing signage at the trail head of Boyson Road for pedestrian crossing. The additional signage would provide noticeable flashing lights when the cross button would be pushed to provide for a safer crossing for pedestrians on foot or by bike.

Staff had reviewed their request and agreed the flashing signage would be appropriate for the area. The Associations felt so strongly about the need for signage that they agreed to put up $15,000 toward the project.

The associations also asked for council to consider the same flashing signalization at Tower Terrace and that they would help raise the money to put toward a future project.

At the January 4 meeting Council was very much in favor of the installation of the flashing crossing signalization at both Boyson and Tower Terrace Roads. Council directed staff to find the additional dollars to install both crossing signals.

The total project cost to purchase two-TAPCO RRFB controller kits with push buttons is $21,815.44. The Associations would like the city to put the $15,000 raised by the two groups toward the total projects. The balance to be funded by the city would be in the amount of $6,815.44.

There are funds available in LOSST (FY10-14) that can be used for this project upon council's approval at our February 1 meeting.

Thank you for your consideration.

January 7, 2017

Hiawatha Mayor and City Council,

The Linn County Trails Association (LCTA) and the Hawkeye Bicycle Association (HBA) have had a chance to meet with Kim Downs and Kelly Willadsen to talk about concerns that we have heard from our respective memberships about the crossing of the Cedar Valley Nature Trail at Boyson Road. We discussed the current crossing, and how it is both potentially dangerous for trail users and inefficient for traffic flow on Boyson Road.

In order to alleviate both issues, we proposed the installation of a pedestrian signaled yield sign, similar to what was installed at the Lindale Drive crossing in Marion for the Grant Wood (formerly Lindale) trail. The proposal was investigated by the Hiawatha City engineering department, and a quote was obtained for a rapid flashing beacon and associated signage. The sales quote, number ETO16-04516 from Tapco Safe Travels, totals $10,907. Additional signage, prior to the lighted sign at the intersection, on both the trail and the roadway, will also be necessary.

Because our members feel strongly that this crossing should be improved, the Boards of both organizations have voted to financially support this project. LCTA has pledged up to $10,000 for the project, and HBA has pledged up to $5,000 for the project. Project costs, up to the total of $15,000 will be reimbursed to the City by the LCTA after the work has been completed.

We look forward to your approval of this important project, thank you for your consideration and appreciate the opportunity to work with the City of Hiawatha.

Tom Peffer

Tom Peffer, LCTA President

LINN COUNTY TRAILS ASSOCIATION

PO BOX 2681, CEDAR RAPIDS, IA 52406

LinnCountyTrails.org

TAPCO
Safe travels.™

5100 West Brown Deer Road • Brown Deer, WI 53223
Phone (800) 236-0112 • tapconet.com • Fax (800) 444-0331

SALES QUOTE

Customer Copy

Number	ETO16-04516
Date	10/24/2016
Page	1

Sell To Cust. C16732	Ship To Cust.
City Of Hiawatha Rod Jasa 101 Emmons St Hiawatha, IA 52233 USA	City Of Hiawatha Rod Jasa 101 Emmons St Hiawatha, IA 52233 USA

Customer PO #	Expires	Slsp	Terms	Freight	Ship Via
RRFB	2/28/2017	Deidre Jones	Net 30 DAYS	PREPAID	BEST RATE

Item	Description	Quantity	UM	Price	Extension
RRFB-1DERABWNNAA	RRFB Controller Kit, 55W/48Ah, 4.5" OD Round, Wireless, No Modem	2	EA	1,995.00	$3,990.00
RRFBXL2-NA1	RRFB XL2 Light Bar, One Ped Indicator Banding Mount w Snap Locks, for 2.375+ Inch OD	4	EA	593.75	$2,375.00
100721	Pedestal Bollard, 4ft with Blinkerbeam, Battery and Yellow Push Button	2	EA	1,330.00	$2,660.00
373-01759	W16-7PL,24"x12" DG3 FYG,Down Diagonal Left Arrow (Fed Spec) Sign	2	EA	37.81	$75.62
373-01757	W16-7PR,24"x12" DG3 FYG,Down Diagonal Right Arrow (Fed Spec) Sign	2	EA	37.81	$75.62
304088	W11-15,30"x30"x.080 DG3 FYG Bicycle/Pedestrian	4	EA	109.87	$439.48
101919	Pole Package, 13', 4.5" OD, 42" J-Bolts Includes: Pole, Base, and J-Bolts	2	EA	570.00	$1,140.00
107265	Sign Mounting Kit, Banded, Flared Leg, Standard For Mounting B2B Static Signs to a Large Pole	4	EA	38.00	$152.00

Furnish only quote. Installation is not included.
Solar powered equipment requires no shading or obstructions
Solar site survey MUST be completed prior to acceptance of order by TAPCO
Solar is based on usage of 350activ. at 30 seconds
TAPCO US Communities Contract # 2013-100
Freight included in prices.
Current lead time: 4 weeks
Thank you! Deidre Jones
Email: Deidre.jones@tapconet.com

Shipment within _____
Acceptance By _____
Date _____
By _____

Merchandise	Freight	Tax	Total
$10,907.72	$0.00	$0.00	$10,907.72

For terms and conditions, please visit: http://www.tapconet.com/terms-and-conditions

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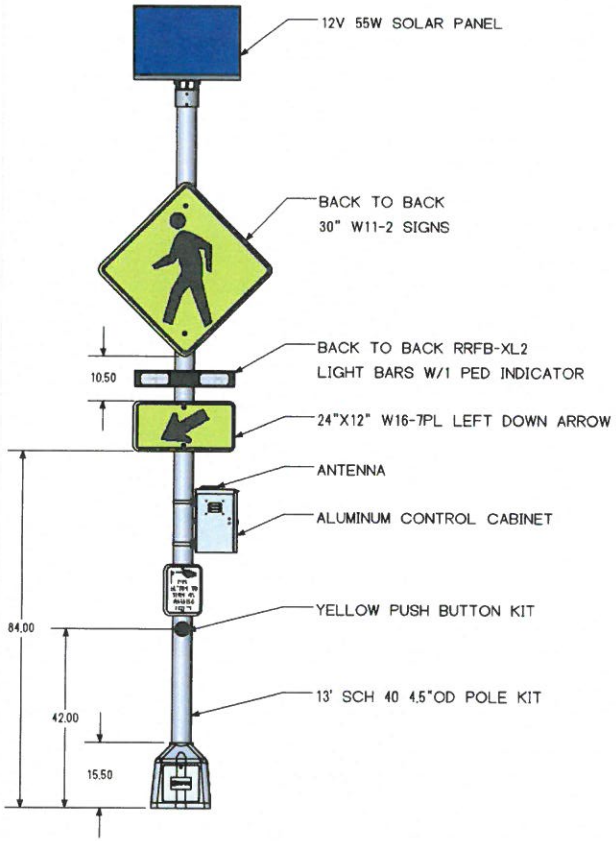
Customer PO #	Expires	Slsp	Terms	Freight	Ship Via
RRFB	2/28/2017	Deidre Jones	Net 30 DAYS	PREPAID	BEST RATE

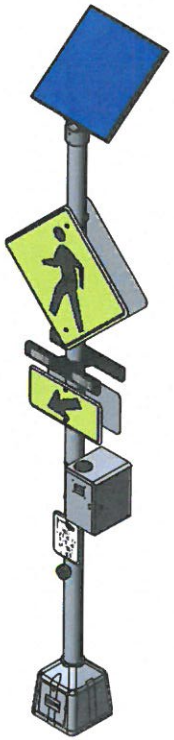
Item	Description	Quantity	UM	Price	Extension
	Phone: 262-649-5227				

Shipment within _____
Acceptance By _____
Date _____
By _____

Merchandise	Freight	Tax	Total
$10,907.72	$0.00	$0.00	$10,907.72

For terms and conditions, please visit: http://www.tapconet.com/terms-and-conditions





NOTES:

1. ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE
2. CONTROL CABINET HEIGHT MAY VARY.
3. SNAP LOCKS ARE PROVIDED, STANDARD 3/4" S/S BANDING IS RECOMMENDED
4. J-BOLTS NOT SHOWN

TAPCO®
TRAFFIC & PARKING CONTROL CO., INC.

S:\BLINKERDESIGNER\DATAPCO IN HOUSE ENGINEERING\DRAWINGS\SALES DRAWINGS (2TE-XXX)\NATIVE FORMAT (INVENTOR-SOLIDWORKS)

MATERIAL	VARIED	INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5-2009
FINISH	VARIED	REFERENCE:

TOLERANCE UNLESS OTHERWISE SPECIFIED

HOLE Ø	±.003
DEC. MM	INCH
X ±2.540	±0.100
XX ±0.762	±0.030
XXX ±0.381	±0.015
XXXX ±0.0127	±0.0005
ANGULAR ±0.5°	

TITLE:
DOUBLE SIDED RRFB-XL2 SLR-55W SOLAR POLE ARRANGEMENT

BRYAN E.

STORAGE SIZE:

DESIGNED BY:
DRAWN BY: A. KAVANAUGH 6/9/2015
CHECKED BY:

SIZE B | DWG. NO. 2TE-550 | REV A | WEIGHT:

SCALE: 1:28

SHEET 1 OF 1

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TAPCO®
TRAFFIC & PARKING CONTROL CO., INC.

BlinkerBeam® Pushbutton Bollards

- Battery Powered
- BlinkerBeam® radio control activates devices wirelessly
- Simple installation
- Requires no grid wiring, trenching or concrete cutting

TAPCO's BlinkerBeam® Remote Wireless Pushbutton Bollards allow you to provide wireless activation from locations that would be costly, difficult or impossible to achieve otherwise. Accommodate your Disabled, Pedestrians and Bicyclists with this unique device, providing them safer, more convenient access.

GSA Contract Holder
FSS Contract GS-07F-5924R
GS-07F-0234U

Patents #6,943,698; #6,693,556
Other Patents Pending

BlinkerBeam® Wireless Pushbutton Bollard

BlinkerBeam® Wireless Pushbutton Bollard

Typical Configuration: custom options available

Features

- Install virtually anywhere
- Activate Solar/AC/DC Systems
- Utilizes total wireless control
- Dependable, precise control with minimal maintenance
- Long-life battery
- Inexpensive installation: mount on concrete or V-Loc®
- Programmable activation intervals
- No trenching, concrete cutting or grid wiring required
- Multiple devices can be activated synchronously
- Greater driver awareness than with 24/7-flash crossings

Applications

- Pedestrian Crossings
- School Crossings
- Bicycle Crossings
- Parking Facilities
- Industrial Locations

Standard Specifications*	
Pushbutton Bollard and Base	
Pushbutton	Contact Closure: Yellow or Raw
Bollard	4½" diameter aluminum with cap
Base	TAPCO Standard Signal Base
BlinkerBeam® Wireless Communication System	
Frequency	900 MHz FHSS
Range	Up to 500 feet with base door aimed toward activated device
Radio	Operates on 900 MHz frequency hopping spread spectrum network
Programmability	Up to 50 systems in one network
Push-button Activation*	ADA pushbutton, typical (<120 millisecond)
Battery	3.6VDC Lithium Ion Battery with two-year typical life
Warranty	
Term	1-Year Warranty
BlinkSync™ Wireless, Synchronized Device Activation Systems	
Multiple units in one system will flash in synchronized patterns to avoid light noise of system operation. Ideal for multiple units flashing in the same direction, without the need for wiring.	
Device Compatibility	
LED Signs	All TAPCO BlinkerSign® LED signs
RRFB	All TAPCO RRFB and RRFB-XL™ Beacons
LED Beacons	All TAPCO BlinkerBeacon™ LED Beacons
ITS Devices	Other ITS-compatible Devices

*All specifications subject to change without notice.

PB_BOLL_sheet_120822 08120279

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Fax: 414.354.5480 • 800.444.0331
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BlinkerBeam® Wireless Pushbutton Bollard

DRAFT

RESOLUTION NO. 17-
City Council

RESOLUTION AUTHORIZING THE PURCHASE AND INSTALLATION OF PEDESTRIAN SIGNALIZATION FOR THE CEDAR VALLEY NATURE TRAIL HEAD ON BOYSON ROAD AND TOWER TERRACE ROAD

WHEREAS, the City of Hiawatha was contacted by Linn County Trails Association and Hawkeye Bicycle Association with safety concerns of the pedestrians and bicyclists crossing Boyson Road and Tower Terrace Road while travelling on the Cedar Valley Nature Trail, and

WHEREAS, Linn County Trails Association and Hawkeye Bicycle Association worked with City Staff to come up with a solution to provide safety for pedestrians and bicyclists crossing Boyson Road and Tower Terrace Road while using the Cedar Valley Nature Trail, by installing pedestrian signalized yield signs at both trail crossings at a total cost of $21,815.44, and

WHEREAS, Linn County Trails Association approved funding in the amount $10,000.00 and Hawkeye Bicycle Association approved $5,000.00, to apply towards the purchase and installation of pedestrian signalized yield signs for the Cedar Valley Nature Trail head crossings located on Boyson Road and Tower Terrace Road, with the City being responsible for the remainder of costs in the amount of $6,815.44, and

WHEREAS, City Council deems the purchase and installation of pedestrian signalized signage necessary to increase the safety of pedestrians and bicyclists using the trail system, and

WHEREAS, funding for the purchase and installation of pedestrian signalized yield signs is available using Local Option Sales and Service Tax (LOSST) Funds FY 2010-2014, and

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, to authorize the purchase and installation of pedestrian signalized yield signs at the Cedar Valley Nature Trail crossings on Boyson Road and Tower Terrace Road, at a total cost not to exceed $21,815.44, with the City responsible for paying a portion of costs in the amount of $6,815.44, utilizing available funding in Local Option Sales and Service Tax (LOSST) Funds FY 2010-2014.

AYES:
NAYS:
ABSENT:

PASSED AND APPROVED this 1st day of February, 2017.

_____
Bill Bennett, Mayor

ATTEST:

_____
Kelly Kornegor, City Clerk