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CITY ADMINISTRATOR'S OFFICE MEMO

cityadmin@hiawatha-iowa.com

319-393-1515 ext.523

To: Mayor Bennett and City Council

From: City Administrator, Kim Downs and City Engineer, John Bender

Date: January 11, 2017

RE: **Cedar Valley Trail Head Signalization for pedestrian/bicyclist crossing**

The city was contacted by two Organizations-Linn County Trails Association and Hawkeye Bicycle Association with their concerns for the safety of the pedestrians and bicyclist crossing Boyson Road at the head of the Cedar Valley Nature Trail.

Both groups presented to staff and plan to present to council at our Wednesday night meeting. In their presentation to staff the two organizations shared what they believe would be the best option at the trail head crossing to provide safety for the pedestrians and bicyclist who are crossing Boyson Road's high traffic area. Their proposal includes the installation of a pedestrian signalized yield sign, similar to what has been installed at the Lindale Drive crossing in Marion for the Grant Wood Trail.

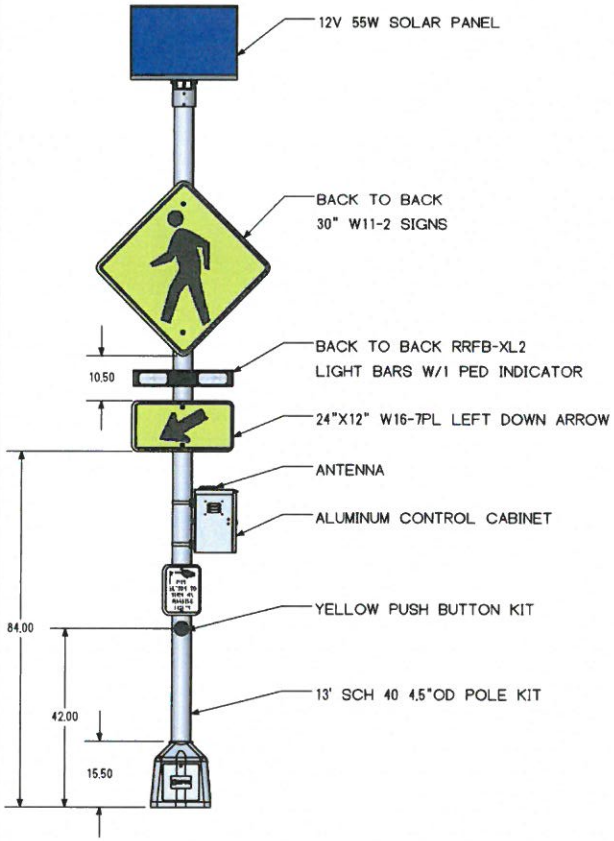
City staff investigated the proposal and was reviewed by both the Public Works Director and the City Engineer. Both departments agree the signalization is appropriate and necessary. The Public Works Director did obtain a quote for a pedestrian signalized yield sign with beacon facing both east and west that includes a rapid flashing beacon. The estimated cost- $10,097.

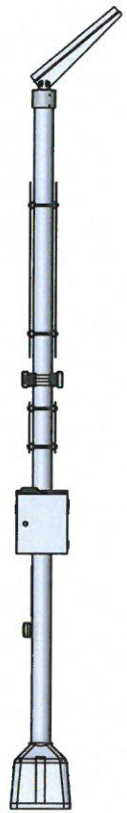
The project would consist of TAPCO rectangular rapid flash solar beacon (RRFB) double sided with push button activated bollards. The beacons provide greater visibility; ideal for high-speed and multi-lane pedestrian crossings. The RRFB has produced 80%-90% driver compliance in yielding to pedestrians at high-risk uncontrolled crossings. The city would also provide pre-empted crossing ahead signage along with painting the necessary street markings for the crossing. Due to the fact that the trail usage is primarily late afternoon and evenings and on weekends, we do not anticipate any additional congestion issues with the traffic on Boyson Road.

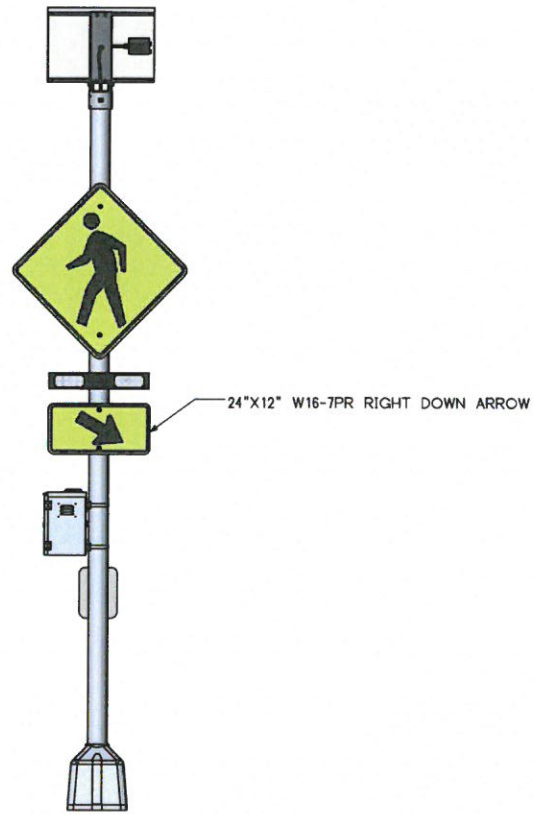
The project would also consist of pre-empted crossing ahead signage and paint the necessary street markings for the crossing along Tower Terrace Road. We would not install an RRFB at this time due to lower number of traffic.

Both organizations feel so strongly about the trail crossing improvements and creating a safety mechanism for those who are crossing Boyson Road and Tower Terrace have together pledged up to $15,000 toward the signalization project.

The city would be the lead on this project and would be reimbursed by the organizations after the work is completed. The work would be done this coming spring with an estimated total project to cost of $12.000.00.







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.

E:\BLJHERSIGH\PROJ\TAPCO 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: BRYAN E.

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

STORAGE SIZE:

			SIZE	DWG. NO.	REV	WEIGHT:
DESIGNED BY:			B	2TE-550	A	
DRAWN BY:	A. KAVANAUGH	6/9/2015				SCALE: 1:28
CHECKED BY:						SHEET 1 OF 1

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Linn County Trails
ASSOCIATION

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