City of Hiawatha

Engineering Department

101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: Mayor and City Council **Date: July 31, 2019**

From: John C Bender PE, City Engineer

Re: 18th Avenue Traffic Issues

Description: Possible Traffic Calming Features

Report:

In the last few weeks Council and staff have received complaints that traffic using 18th Avenue between Blair's Ferry Road and Boyson Road has been exceeding the posted speed limit. We have also received concerns that the stop sign at Lyndhurst Drive has been ignored by many motorists. Hiawatha Council has received concerns about 18th Avenue traffic for many years. The layout of 18th as developed is a direct connection from Blair's Ferry to Boyson Road which allows the roadway is used more as a collector street rather than a residential street. Appears there are really 2 issues. One issue is with traffic exceeding the speed limit and one of violations at the Lyndhurst stop sign.

Attempts have been made over the years to slow the traffic and deter motorist from using this roadway by installing traffic circles and stop signs. This has been met with limited success. Until such time as Edgewood Road is extended, we feel this trend will continue. In fact, with the new development at Pecks Landing, the possibility that traffic will increase is very high as new shops and restaurants open for business.

The Chief has performed several speed studies in the area and also has issued many citations to speeding vehicles, or vehicles that do not stop at the stop intersections. He has summarized his findings in the attached report.

Also enclosed are several maps of the area. One map showing the direct connection between Blair's Ferry and Boyson. One map showing a possible new traffic circle installed at Lyndhurst. We have investigated these options along with several types of traffic calming features. We have asked for anticipated cost of these installations and have included the possible costs with the options.

Options to consider:

Option #1- Do nothing at this time. Step up enforcement to improve the compliance of the traffic regulations.

Option #2- Install permanent flags at the existing stop signs. Cost $300-$500

Option #3- Install flashing stop signs in an effort to draw attention to the stop condition at Lyndhurst. Anticipated cost of $2,000-$3,000.

Option #4 Install mid-block speed indicators that will notify motorists of their speed. Anticipated cost $10,000-$12,000

Option #5 Install speed tables at the Lyndhurst intersection and possible mid-block installations south of Emmons Street. Anticipated cost $10,000-$12,000.

Option #6 Construct new traffic circles at the Lyndhurst intersection and remove the stop signs. Anticipated cost of $40,000-$50,000.

Option #7 Possibly look at creating a different appearance of 18th Avenue. A more pedestrian feel by removing parking and construction of a boulevard look with a center median as we are proposing on Robins Road. Of course this would restrict turns in several areas and would need input from the residents, but would change the feel of driving 18th Avenue. Just a thought and would need considerable more research.

Please review this information and if you feel we should consider moving forward with any of these options, we can discuss. Any other ideas please let us know.

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Hiawatha!.

18th Ave - traffic

1 inch = 300 feet

Hiawatha!

1 inch = 20 feet

MENU

Mesh Safety Flag Heavy Duty

These Mesh Flags are made of fluorescent knitted vinyl (KV) mesh material. Recommended to be used on fast moving vehicles. These flags will overcome the objections from whipping, such as cracking, peeling, or fraying.

View all of oursafety flags.

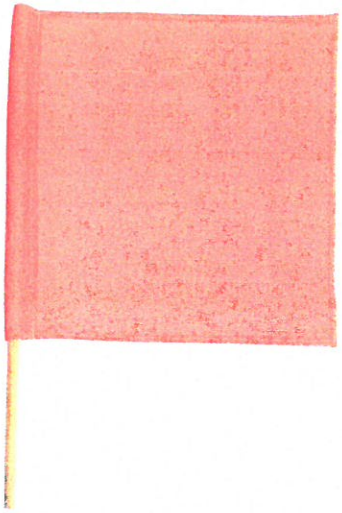
Contact us to receive further information or to customize options for this product.

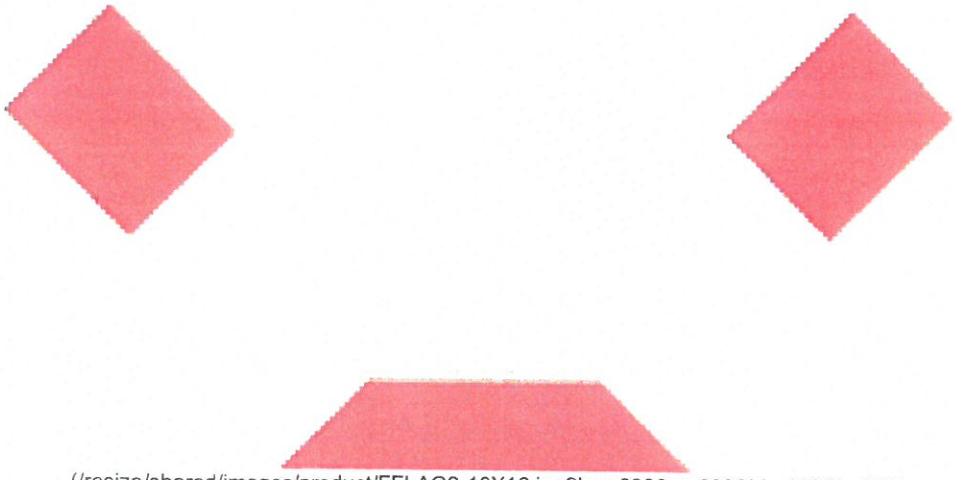
- [ ] **SFKV18: $3.56**
  18"x18" Flag
- [ ] **SFKV18-24: $3.98**
  18"X18" Flag with a 24" Dowel
- [ ] **SFKV18-30: $4.12**
  18"X18" Flag with a 30" Dowel
- [ ] **SFKV24: $6.23**
  24"x24" Flag
- [ ] **SFKV24-36: $7.17**
  24"x24" Flag with a 36" Dowel

$50 FLAGS & HARDWARE/PER SIGN

Select a color

Quantity: 1





(/resize/shared/images/product/FFLAG2-16X16.jpg?bw=600&w=600&bh=600&h=600)

METAL FLAGS

$100/PER SIGN

RED FLAG, DOUBLE-SIDED

Item #: **FFLAG2-16X16PA**

Ships From: IPI Anamosa Signs (/store/m/13-IPI-Anamosa-Signs.aspx)

Please call 800-332-7922 for pricing on other sizes / configurations. Standard lead times (http://www.iaprisonind.com/store/pg/307-Standard-Lead-Times.aspx) apply unless otherwise requested.

***Effective 5/8/19:** Nylon washers previously supplied with signs must now be purchased separately. View pricing & order now! (/nylon-washers.aspx)*

Brackets mush be ordered separately.

Scroll down ↓ for further specifications.

Price: $16.25

Make selections below (if available) to update price.

MOST ORDERS SHIP WITHIN 24 HOURS

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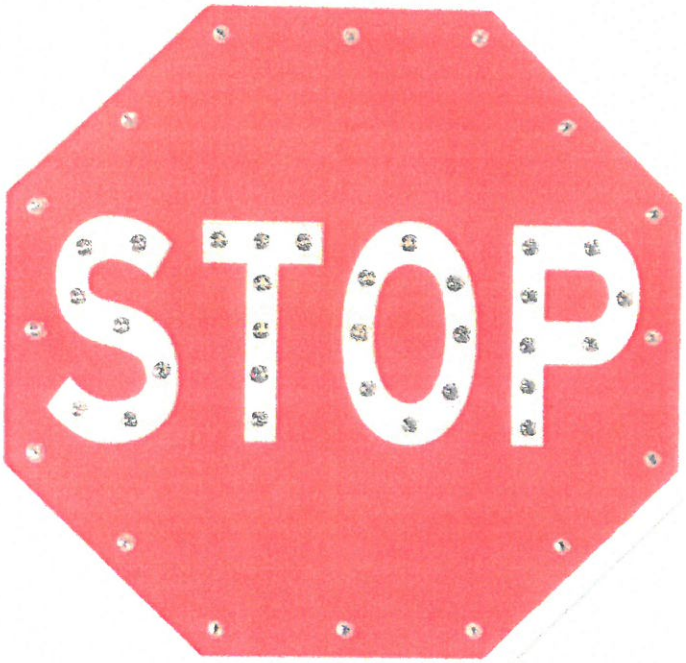
PARKING LOT AND STREET LIGHTS (HTTPS://LEDLIGHTING-SOLUTIONS.COM/PARKING-LOT-AND-STREET-LIGHTS.HTML) /
30" SOLAR POWERED FLASHING LED OCTAGON STOP SIGN (HTTPS://LEDLIGHTING-SOLUTIONS.COM/30-SOLAR-LED-OCTAGON-STOP-SIGN.HTML)



SKU: CSTP001

30" Solar Powered flashing LED Octagon Stop Sign

$999.99 + $500 MISC. HARDWARE / PER SIGN

Shipping Weight: **12.00** pounds

Quantity in Basket: *None*

CONFIGURATION OPTIONS:

Lyndhurst N/S

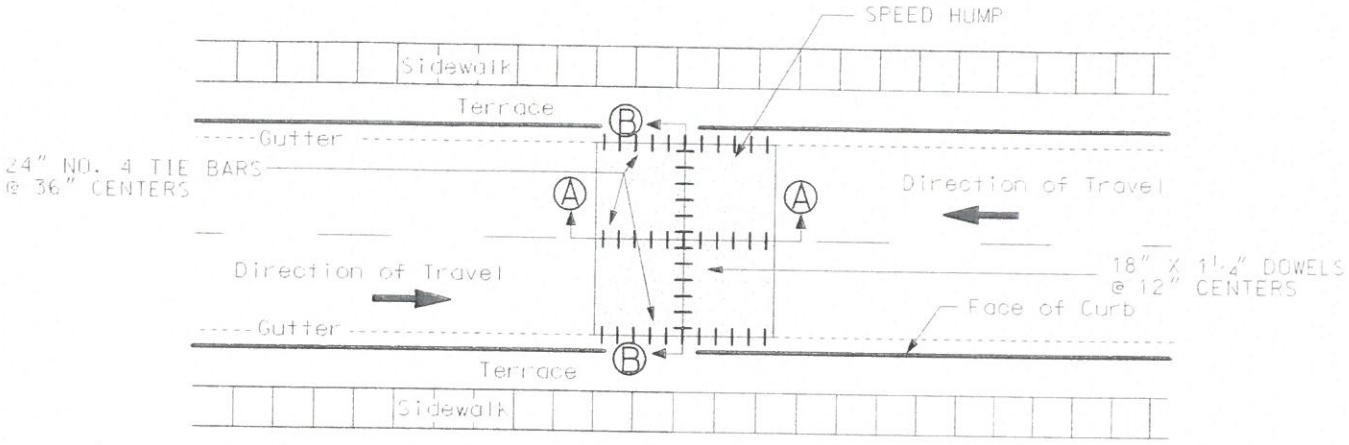
- Standard Battery & Solar Panel
- Upgraded Battery & Solar Panel + $100.00
- Upgraded Battery & Panel w/ Timer + $125.00
- Back to Back + $899.99
- Back to Back w/ Timer + $999.99

SHEETING OPTIONS:

~~[illegible]~~

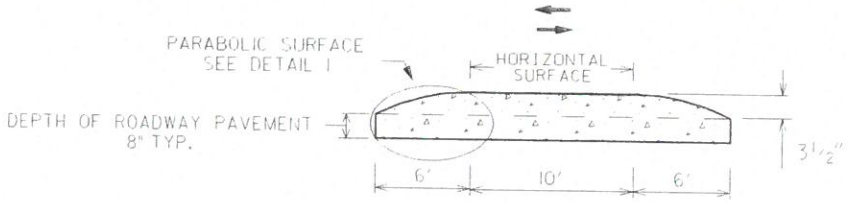
• $5,000/PER SPEED HUMP ACC ONE WOULD BE LESS

SPEED HUMP DETAIL



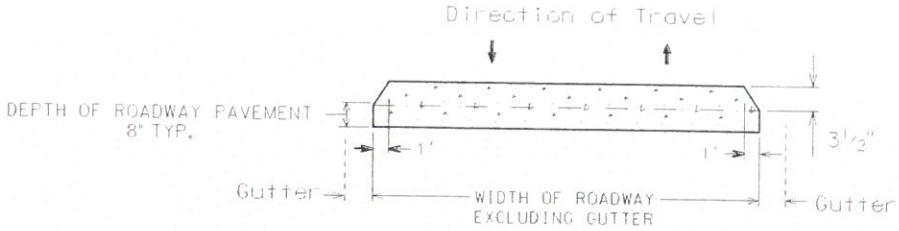
PLAN VIEW

SPEED HUMP ON TYPICAL URBAN STREET



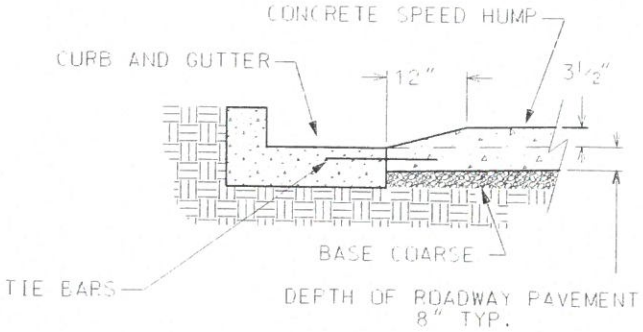
SECTION AA

NOT TO SCALE
(VERTICAL SCALE IS EXAGERATED)



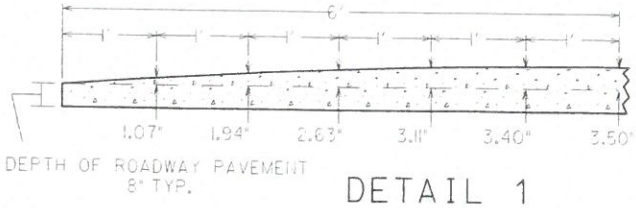
SECTION BB

NOT TO SCALE
(VERTICAL SCALE IS EXAGERATED)



CURB DETAIL

CROSS SECTION



DETAIL 1

PARABOLIC SURFACE

2008

CITY OF MADISON
ENGINEERING DIVISION

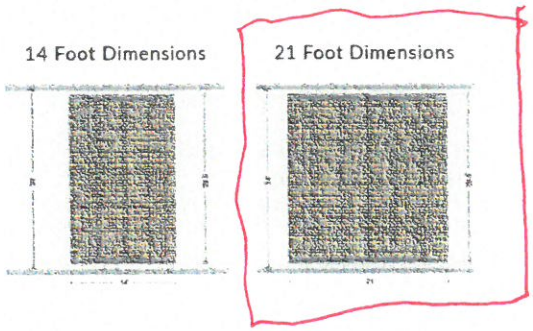
CONCRETE SPEED HUMP
FLOW THROUGH GUTTER

STANDARD DETAIL DRAWING 4.10

TRAFFIC LOGIX

CUSTOMER AREA

APPROX $6,000 - REMOVE IN WINTER

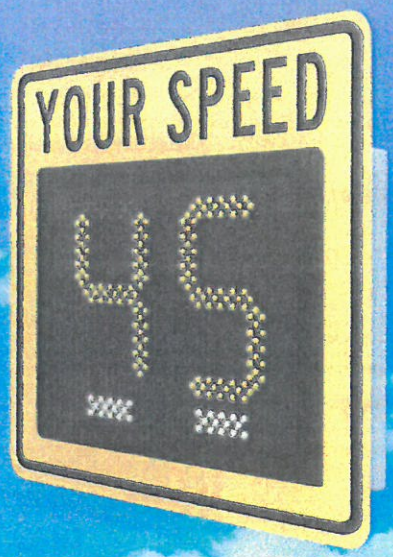


21'x28'x3"

SPEED TABLES

SafePace® 250 Driver Feedback Sign

TRAFFIC LOGIX



Choice of faceplate colors available

The Traffic Logix® SafePace® 250 driver feedback sign is a compact speed display sign. With slightly larger digits than the entry level SafePace® 100, but still smaller than the full size 15" digits on larger SafePace® signs, the SafePace 250 offers a versatile solution for those looking for a slightly larger sign.

The compact, portable SafePace 250 can be mounted at multiple locations and offers exception visibility and power efficiency.

250 Specifications

Digit Size	12"
Height	28"
Weight	22 lbs
24/7, 365 Scheduling	✓
Data Collection	✓
Solar Compatibility	✓
Battery Operated	✓
Universal Mounting	✓
Cloud Compatibility	✓
Trailer Compatibility	✓
Dolly Compatibility	✓
Hitch Compatibility	✓
Warranty	2 Years

Features

Enlarged Sign Digits: The bestselling, compact SafePace sign, now available with slightly larger digits for improved visibility.

Energy Efficient: The SafePace 250 can function for up to 3 weeks autonomously with optional battery power depending on traffic volume.

Optimal Visibility: Unique light enhancing, anti-glare lens system, as well as automatic ambient lght adjustment provide brilliant visibility even in poor lighting conditions.

User Friendly: Software interface is user friendly and can be programmed to set sign parameters quickly and easily. Optional data collection allows you to download traffic data and generate statistical reports from anywhere with SafePace Cloud.

Stealth Mode: Baseline traffic data can be collected for comparison and analysis while speed display appears blank to motorists.

Speed Violator Strobe: Programmable flashing strobe alerts drivers to slow down when they exceed the threshold speed you choose.

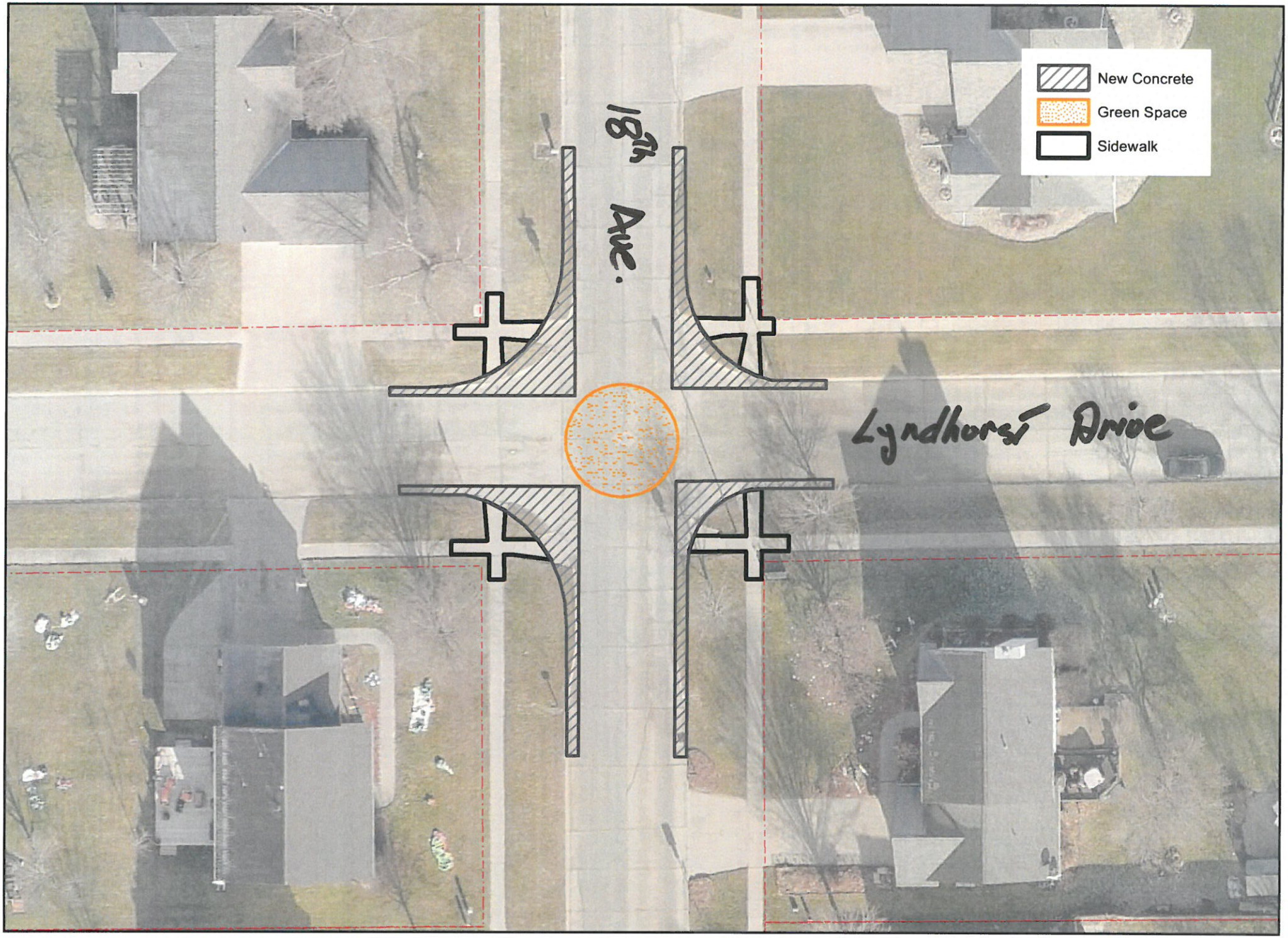
Universal Mounting: Optional mounting brackets let you use one sign at multiple locations with the turn of a key.

$4-5,000/PER SIGN

Distributed by TAPCO
1-800-236-0112
www.tapconet.com
5100 West Brown Deer Road
Brown Deer, WI 53223

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

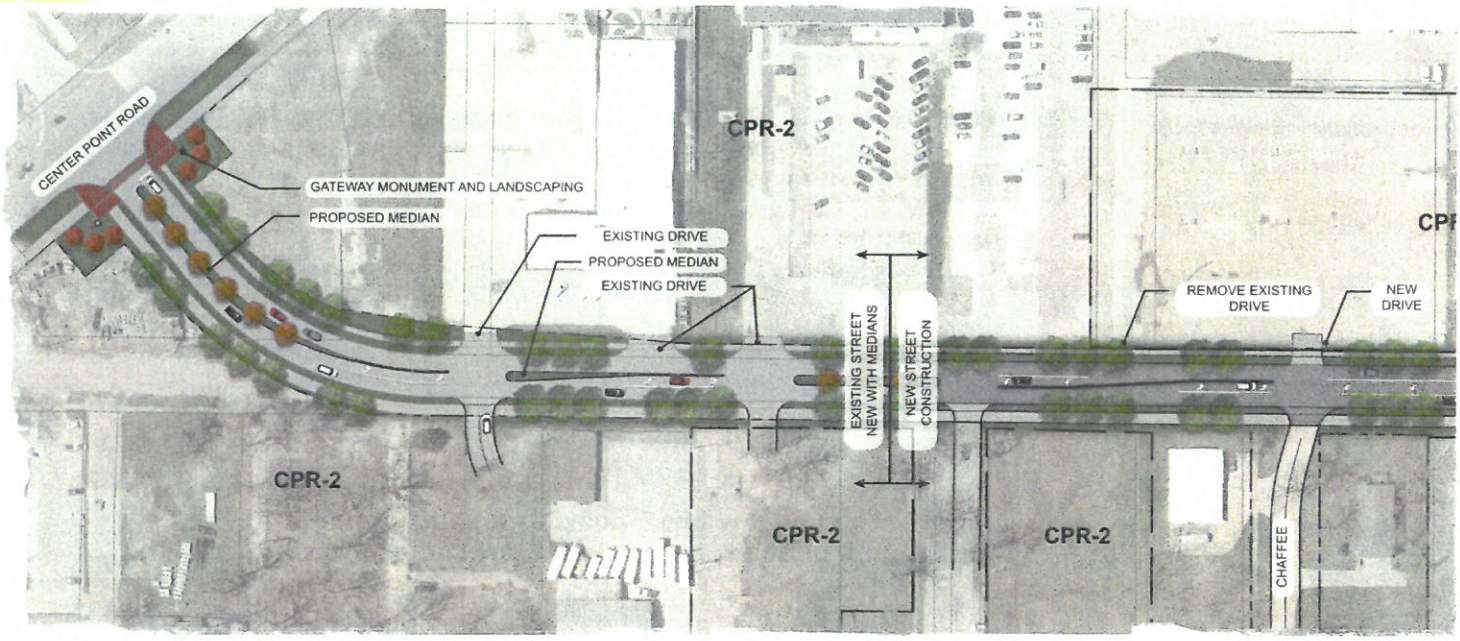
U.S. COMMUNITIES

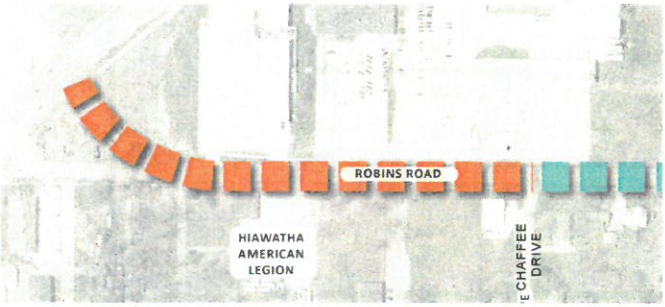


Hiawatha!

1 inch = 30 feet

ROBINS ROAD CORRIDOR REDESIGN - SOUTH





A boulevard at the south end with plantings and wide walks on each side will draw users into and through the corridor. Turn lanes are proposed in strategic locations to support access to future redevelopment and existing businesses.

REPORT

K Downs

From: D Marks
Sent: Monday, July 29, 2019 3:14 PM
To: kdowns@hiawatha-iowa.com
Subject: 18th Ave

Just an update to previous numbers I may have provided. **This is the percentage of drivers going 11+ over the posted speed limit.**

A: Southbound traffic from Boyson Road to Litchfield Dr. 2.6%

B: Southbound traffic from Emmons to Blairs Ferry. 13.3% and 13.0%
(Two different locations in this area)

We are currently conducting the middle section from Litchfield to Emmons. It should be completed by the end of the week.

These were conducted for Southbound traffic.

We had the speed trailer in Section B for about 10 days the first part of June. Those numbers reflected 4% @ 11+ over the speed limit. While present, it seemed to slow the traffic down.

Since the most recent citizen complaint on June 20th, we have issued 53 citations for speed and stop sign violations on 18th Ave.

Dennis Marks
Hiawatha Police Dept
101 Emmons Street
Hiawatha, IA 52233

Office: (319) 393-1212
Fax: (319) 294-9878

City of Hiawatha Confidentiality Statement

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