
VILLAGE OF SUGAR GROVE BOARD REPORT

TO: VILLAGE PRESIDENT & BOARD OF TRUSTEES
FROM: PATRICK ROLLINS, CHIEF OF POLICE
SUBJECT: DISCUSSION: LED SAFETY FLARES FROM PI VARIABLES, INC.
AGENDA: FEBRUARY 20, 2024, REGULAR BOARD MEETING
DATE: FEBRUARY 13, 2024

ISSUE

Should the Village Board discuss the police department's request to purchase rechargeable LED sequential safety flares and accessories from Pi-Variables, Incorporated.

DISCUSSION

The Police Department fiscal year budget for 23-24 included funds to purchase LED sequential safety flares for outfitting half of the police squad cars. That purchase has occurred this fiscal year already. Being that the overall desire is for the police department to outfit the entire fleet with rechargeable LED safety flares. The best practice for outfitting vehicles is that all the line squads carry the same equipment that is like or identical. So that in essence, each squad car is set up or equipped in the same manner as all the others. This practice matters in a time of need when an officer on an emergency scene can quickly access the same equipment from any of the squad cars without delay.

During the police department budget discussion for FY 24-25, the other half of the LED safety flares were incorporated into the police department's original requests. Knowing the desire to outfit the rest of the fleet, a valid safety concern was raised during the budget review about using traditional fuse flares and to purchase the LEDs this year. The fuse flares serve a valuable purpose and will continue to in some limited circumstances.

Traditional roadway flares typically come with warnings such as "Produces hot flames, keep away from spilled fuel, fumes, or combustible materials. May emit sparks and do not use around dry vegetation. May cause wildfires. Point fuse away from face and body when igniting and afterwards."

Most fuse flares burn for a specific duration (rated in minutes) under the best environmental conditions. So, officers need to either light additional replacement flares if the scene time extends beyond that length, or extinguish the flare if the scene protection

is no longer needed. After the deployment there is a need to remove the debris and wire stand from the roadway, so not to cause other roadway vehicle/pedestrian/cyclist obstructions.



Having alternative choices for flare deployment from traditional to rechargeable LED is now needed in our toolbox. For most of the flare deployments, the rechargeable sequential LED flares would be the desired method and thus the reason to add the remaining units to all the squad cars this fiscal year. The rechargeable LED should last many work shifts before recharging. An officer can place an LED flare out in the open, attach it magnetically to a vehicle, on top of a traffic safety cone, or inside of the traffic cone for better nighttime illumination effect. Traditional flares should not be used inside a traffic cone or on top of them.

Options to consider for purchasing the LED safety flares:

1. Utilize existing surplus funds from this fiscal year's (23-24) anticipated budget and authorize the purchase.
2. Place the request back in the FY24-25 budget proposal and if approved, order in May 2024.
3. Take no action currently –(Do not purchase additional LED Safety Flares)

COST

The cost of purchasing the LED Safety Flares and accessories is \$6,325.00 from Pi-Variables, Inc. This item is unbudgeted, and the police department would like to utilize village surplus funds out of this year's budget.

RECOMMENDATION

The Village Board discuss the options for funding the remaining units to outfit each line squad car with rechargeable LED Safety Flares and accessories in the amount of \$6,325.00 and provide feedback to staff on what option is preferred. Staff recommends option 1.

pi-lit Sequential Safety Flares Quote - Sugar Grove Police Department

Sugar Grove Police Department

10 Municipal Dr
Sugar Grove, IL 60554
United States

Patrick Rollins

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+16303917255

Reference: 20240129-114719866
Quote created: January 29, 2024
Quote expires: March 1, 2024

Pi-Lit

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TUSTIN, CA 92780
United States

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PRODUCTS & SERVICES	SKU	QUANTITY	UNIT PRICE	DISCOUNT	PRICE
"Professional" Smart Sequential Flares - 10 Set - Orange - Rechargeable	ICSSG2OR- 10RE	7	\$750.00	\$50.00	\$4,900.00 after \$350.00 discount
Universal Sequential Flare Cone Adapter - 10 Cone Adapter Kit	ICS-UCA10	13	\$100.00		\$1,300.00

SUMMARY	
One-time subtotal	\$6,200.00 after \$350.00 discount
Shipping	\$125.00

Total	\$6,325.00
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<p>Comments</p> <p>(7) Rechargeable Sequential Flare 10 Sets - Orange/Red = \$700.00/ea (13) Universal Sequential Flares Cone Adapter - Satchels of 10 (1) Shipping = \$125.00</p> <p>Sequential Flare Kits Include: Carrying/charging case, DC 12/24V Vehicle charger, AC 110/240V Wall Charger, 2-year Warranty</p>

<p>Purchase terms</p>
