

Festival Street Bollards Pilot Project

Business & Community Affairs Committee

April 6, 2023



Agenda

- Location for pilot project
- What this pilot will and will not do
- Two options for type of bollards to utilize
- Considerations when using these types of bollard
- Preferred bollard type
- Installation and Deployment Procedures
- Typical Installations
- Costs for preferred bollard option
- Next steps



Pilot Location—Campus Corner



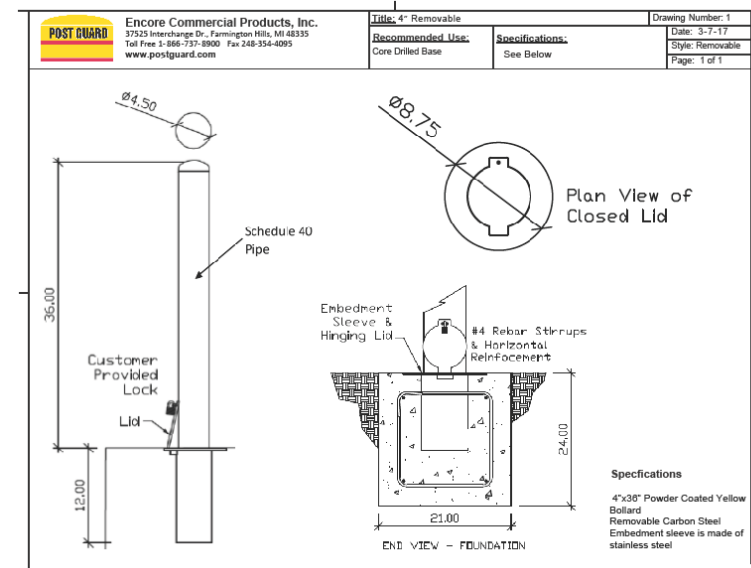
What Can be Accomplished with this Pilot (and what cannot)



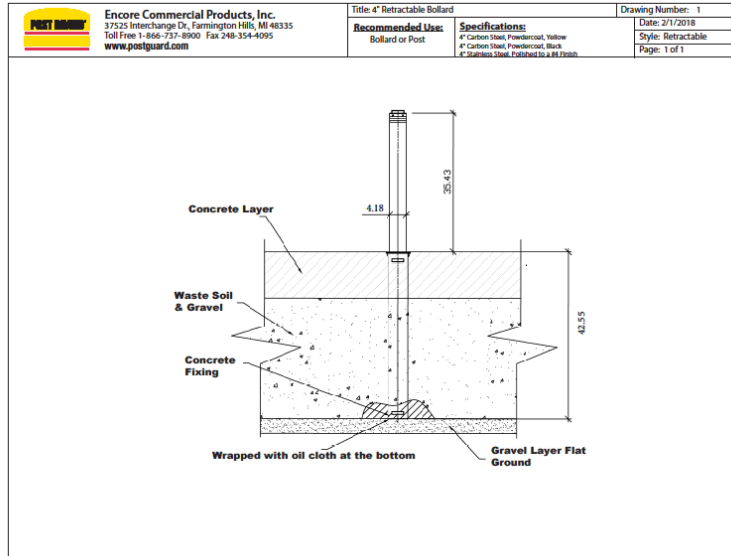
- It will be easier for pedestrians to navigate between bollards compared to Type III Barricades
- It will not eliminate the need for more traditional traffic control devices
- It will introduce maintenance issues with bollards not encountered with more traditional traffic control devices
- It will not result in lower traffic control costs for special events
- It offers safety not afforded by Type III Barricades

Option 1: Removable Bollard

- The hole to be cored in the pavement is smaller diameter and less deep
- The bollards must be stored off-site when not in use
- Smaller footprint could be less safe than retractable bollards



Option 2: Retractable Bollard



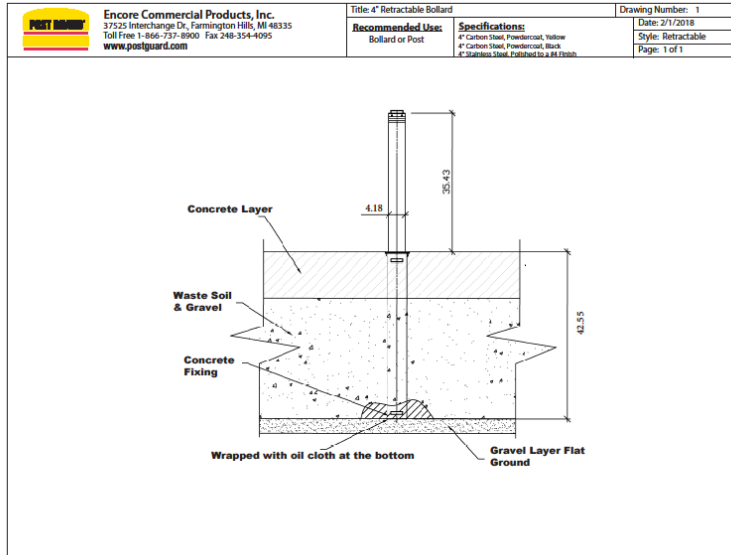
- The hole to be cored in the pavement is larger diameter and deeper
- The deeper and larger hole could be problematic with underground utility locations
- The bollards are stored in the street when not in use
- Larger footprint could be more safe than removable bollards

Considerations When Using These Type of Bollards

- Road maintenance such as milling of asphalt surface now has obstacles to negotiate around
- The cored holes will invite road debris/trash to enter the hole making deployment challenging—must be kept clean
- The hole in the pavement, even with the cover provided, will be enticing to pranksters and/or vandals

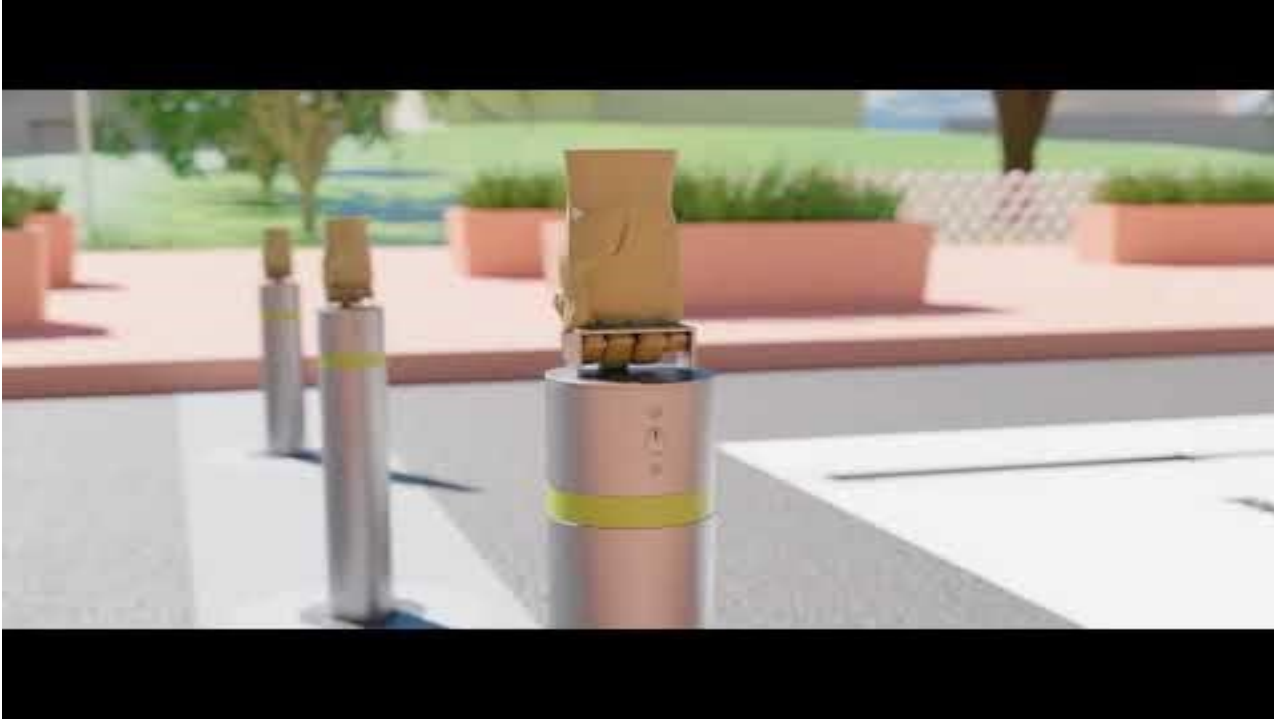


Preferred Bollard Type



- Greater degree of safety for retractable bollards because of deeper hole
- No need to secure off-site storage for retractable bollards when not in use
- Retractable bollards likely deploy faster than removable bollards

Installation and Deployment Procedures



Typical Installations—Asp South of White



Typical Installations—Asp South of White



Typical Installations—Asp North of Boyd



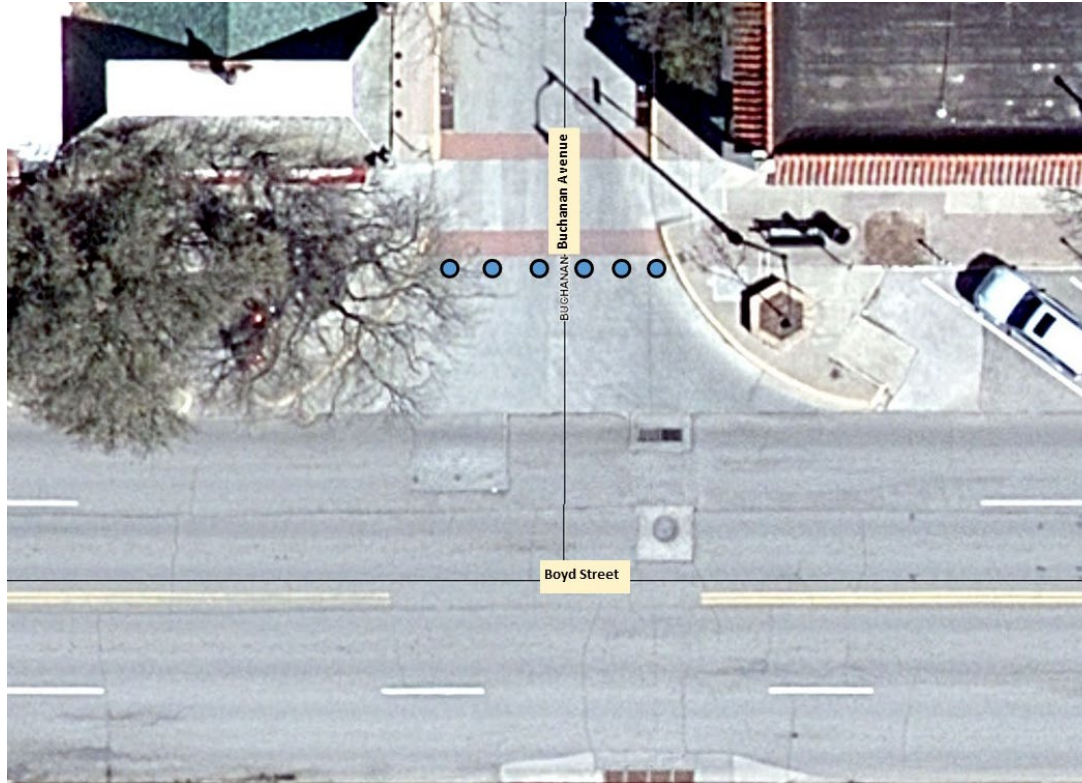
Typical Installations—Asp North of Boyd



Typical Installations—Buchanan North of Boyd



Typical Installations—Buchanan North of Boyd



Typical Installations—Buchanan South of White



Typical Installations—Buchanan South of White



Installation Costs—Preparation

- There are two basic costs associated with the creation of this Pilot Project—the first involves preparation of street to receive bollards
- Treatment of each patch of street where bollards will be located to make future maintenance activities, such as milling and resurfacing, easier
- Preparation of the street to receive the bollards
- Total estimated preparation cost—\$78,013.10
- The second is the cost of the bollards...



Installation Costs—Bollard System Purchase



Encore Commercial Products, Inc.
37525 Interchange Dr., Farmington Hills, MI 48335
Toll Free 1-888-737-8900 Fax 248-354-4095
www.postguard.com

Prepared By Jeff Liebowitz
Email jeff@postguard.com

Quote Number 00032621
Quote Name (30) Retractable Bollards
Created Date 3/3/2023
Expiration Date 3/17/2023

Account Name City of Norman, Oklahoma
Contact Name David Riesland

Phone (406) 217-7762
Email david.riesland@normanok.gov

Bill To Name City of Norman, Oklahoma
Bill To OK 73069

Ship To Name City of Norman, Oklahoma
Ship To 73069

Product	Product Description	Sales Price	Quantity	Subtotal
MRCS4000BY	Yellow - manual lift, retractable bollard 4" x 36.6" above ground. Below ground, 42.6" Carbon steel	\$669.96	30.00	\$19,798.80
Freight Chrg: Shipping & Handling	Shipping & Handling	\$1,378.09	1.00	\$1,378.09

Grand Total \$21,176.89

\$21,176.59

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Total Pilot Project Cost

- Preparation Cost = \$78,013.10
- System Component Costs = \$21,176.59
- Total Pilot Project Cost = \$99,189.69



Next Steps

- The nearly \$100,000 cost of the pilot is in no one's FYE 2024 budget as has been submitted
- This project would have to be submitted as an amendment during the budget approval process
- Staff would work to have installation in time for the first OU home game (hopefully, there are no supply chain issues to be encountered)



QUESTIONS?

