



## AGENDA MEMORANDUM

Action Item for the City Council Meeting May 10, 2022

**DATE:** May 10, 2022

**TO:** Peter Zaroni, City Manager

**FROM:** Maria G. Molina, P.E., Consultant Interim-Director of Public Works  
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**Purchase of Traffic Poles and Mast Arms for Intersection Improvements at  
Kostoryz Road & Masterson Drive**

**CAPTION:**

Motion authorizing the purchase of four traffic signal poles and four mast arms from Consolidated Traffic Controls, Inc. of Arlington, through the HGACBuy Cooperative, to support traffic and pedestrian travel at the Kostoryz Road and Masterson Drive intersection, for \$68,075.00, with FY 2022 funding from the Street Maintenance Fund.

**SUMMARY:**

This motion authorizes the one-time purchase of four traffic signal poles and four mast arms with Consolidated Traffic Controls, Inc. of Arlington, Texas that will be installed by Public Works at the intersection of Kostoryz Road and Masterson Drive.

**BACKGROUND AND FINDINGS:**

New traffic and pedestrian safety improvements are warranted at the intersection of Kostoryz Road and Masterson Drive due to the opening of the new Carroll High School anticipated in Fall 2022. The opening of the new school is expected to increase vehicular

traffic and pedestrian activity in the area.

Traffic signals facilitate safe and efficient movement for all modes of traffic at an intersection. Traffic signals provide orderly movement of traffic, reduce frequency and severity of certain types of crashes, and allow for safe pedestrian crossing. Placement of a traffic signal must receive justification from an engineering study that considers the existing operations and safety of the street, traffic, pedestrian activity, and other characteristics at the location.

A Traffic Impact Analysis (TIA) was performed by Maldonado-Burkett, the hired consultant for the Corpus Christi Independent School District, to understand possible traffic impacts of the new Mary Carroll High School at the intersection of Kostoryz Road and Saratoga Boulevard (SH 357). The results of the analysis recommended the installation of a traffic signal at the intersection of Kostoryz Road and Masterson Drive, based on an analysis of projected volumes from surrounding streets and future developments in the area. Installation of the signalized intersection was recommended to be in place by opening day or prior to the extension of the east side of Masterson Drive to control movements at the intersection. The future extension of Masterson Drive is included in the Bridges Mill Unit 2 construction plans that are under review by the City's Development Services Department.

Consolidated Traffic Controls, Inc. has provided an estimated lead time of 10-12 weeks for delivery of the traffic signals and mast arms after the order is received and approved. In addition to the poles and mast arms, Public Works will furnish traffic signal heads, pedestrian signal poles and push buttons, a traffic cabinet, illuminated street name sign, radar detection systems and video equipment, to be funded as part of the Public Works FY 2022 Vision Zero Initiative. Contractor services will be utilized for any labor to install traffic signal structures and foundations. The Contractor will also be required to furnish any electrical wiring, conduit and ground boxes require for operation.

### **PROCUREMENT DETAIL:**

This procurement is through the HGACBuy Cooperative. Contracts awarded through the HGACBuy Purchasing Cooperative have been competitively procured, in compliance with local and state procurement requirements. This vendor was selected due to the speed at which the mast arms and poles could be manufactured and delivered on site. The estimated delivery timeline of the mast arms is 10-12 weeks.

### **ALTERNATIVES:**

The alternative is for Council not to approve this one-time purchase of four traffic signal mast arms of variable specifications, which would force Public Works to purchase these materials and equipment from a vendor outside of a cooperative purchasing agreement.

This could potentially cost the City to lose the estimated 20% savings the Houston-Galveston Area Council (HGAC) purchasing cooperative provides its members.

**FISCAL IMPACT:**

The FY 2022 fiscal impact to the Street Maintenance Fund for the one-time purchase of traffic infrastructure materials is \$68,075.00.

**Funding Detail:**

Fund:	1041	Street Maintenance Fund
Organization/Activity:	12310	Traffic Signals
Mission Element:	051	Maintain Pavements Associated Improvements
Project # (CIP Only):	N/A	
Account:	550060	Infrastructure
Amount:	\$68,075.00	

**RECOMMENDATION:**

Staff recommends the City Council to approval the purchase of traffic signal infrastructure from Consolidated Traffic Controls, Inc. of Arlington, to complete traffic improvements at the intersection of Kostoryz and Masterson, as necessary due to the opening of the new Mary Carroll High School, located at the corner of Kostoryz Road and Saratoga Boulevard in Council District 3 as presented.

**LIST OF SUPPORTING DOCUMENTS:**

- Supply Agreement
- Price Sheet
- Presentation