



AGENDA MEMORANDUM

Action Item for the City Council Meeting June 11, 2024

DATE: June 11, 2024
TO: Peter Zanoni, City Manager
FROM: Ernesto De La Garza, Director of Public Works
ErnestoD2@cctexas.com
(361) 826-1677

Josh Chronley, Assistant Director of Finance & Procurement
JoshC2@cctexas.com
(361) 826-3169

Pre-coated Aggregates for Road Surface Treatments for Public Works

CAPTION:

Motion authorizing execution of a one-year supply agreement, with a one-year option, with Brauntex Materials, Inc., of New Braunfels, in an amount not to exceed \$191,250.00, with a potential of up to \$382,500.00 if the option year is exercised, for pre-coated aggregates to be used on road surface treatments for Public Works, with FY 2024 funding of \$191,250.00 from the Streets Fund.

SUMMARY:

A motion authorizing a one-year supply agreement with a one-year option with Brauntex Materials, Inc. for pre-coated aggregates to be used on road surface treatments for the Public Works Department.

BACKGROUND AND FINDINGS:

The acquisition of Pre-Coated Aggregates is a critical step in the construction and maintenance of a significant segment of the city's road infrastructure. These aggregates are meticulously selected for their exceptional adhesive qualities and their inherent resistance to stripping, attributes that are essential for ensuring the durability and service life of pavement surfaces.

Pre-Coated Aggregates are distinguished by a coating of binder that enhances their ability to bond with the road material, thereby preventing the aggregates from becoming dislodged over time—a common problem that can lead to surface degradation and potholes. This robust bonding capability is particularly important for the underseal layer of roadways, where it functions as an indispensable shield against the incursion of water.

When applied as part of the undersealing process, Pre-Coated Aggregates are evenly distributed over a layer of hot liquid asphalt. This combination forms a cohesive and resilient barrier that effectively repels water, ensuring that the foundational layers of the road remain dry and intact. By preventing water from seeping into and weakening the substructure, this protective layer plays a pivotal role in preserving the road’s structural integrity.

Moreover, the use of Pre-Coated Aggregates contributes to the overall longevity of the road by mitigating the effects of water damage, which can be exacerbated by cycles of freezing and thawing in colder climates. The result is a roadway section that not only provides a smoother and safer driving experience but also requires less frequent repairs, thus offering long-term economic benefits to the city.

In summary, the strategic use of Pre-Coated Aggregates in the underseal of roadways is a proactive measure that serves to fortify the city’s thoroughfares against the detrimental effects of water infiltration. This practice not only extends the lifespan of the road surface but also upholds the safety and reliability of the city’s transportation network.

PROCUREMENT DETAIL:

Finance & Procurement conducted a competitive Request for Bid (RFB) process to obtain bids for a new contract for pre-coated aggregates Grades 3, 4, & 5 to repair roads and road surface treatments for the Public Works department. The City received two responsive, responsible bids, and is recommending the award to the lowest responsive, responsible bidder, Brauntex Materials, Inc. of New Braunfels.

Brauntex Materials, Inc. outbid the incumbent supplier of pre-aggregate materials by 8.28% for the current bid or \$15,840.00 in total. The cost of materials has increased over the life of the previous contract by 22.62% or \$35,280.00 for the same amount of tons per year as shown in table below. Upon issuance of the RFB, a search of registered suppliers in the City’s portal was conducted utilizing seven commodity codes related to this product which yielded 253 potential suppliers. These identified suppliers were notified of the solicitation via email.

Item	Staff Recommendation		
	Previous Contract 2022	Brauntex Materials, Inc.	Variance
Pre-Coated Aggregate - Item 302, Grade 3,4,5	\$ 155,970.00	\$ 191,250.00	\$ 35,280.00

ALTERNATIVES:

An alternative to this motion is not to purchase this material. However, without this purchase the Public Works Department will not have the necessary material needed to provide proper bonding to prevent the penetration of water underneath the road.

FISCAL IMPACT:

The fiscal impact for FY 2024 is \$191,250.00 with funding available in the Street Fund.

FUNDING DETAIL:

Fund:		1041 Streets
Organization/Activity:		12430 Surface Preservation
Department:		33 Streets
Project # (CIP Only):	N/A	
Account:		520130 Maintenance and Repairs

RECOMMENDATION:

Staff recommends approval of a one-year supply agreement a one-year option, with Brauntex Materials, Inc. of New Braunfels for pre-coated aggregates to be used on road surface treatments for Public Works as presented.

LIST OF SUPPORTING DOCUMENTS:

Service Agreement
Bid Tab
Presentation