



Naperville

CITY COUNCIL AGENDA ITEM

SUBJECT: Recommend the Award of RFP 16-166, Vehicle Exhaust Extraction System

TYPE OF VOTE: Simple Majority

ACTION REQUESTED:
Approve the Award of RFP 16-166, Vehicle Exhaust Extraction System, to Hastings Air Energy for an amount not to exceed \$126,640.

BOARD/COMMISSION REVIEW:
N/A

COUNCIL ACTION PREVIOUSLY TAKEN:

| Date | Item No. | Action |
|------|----------|--------|
| N/A | | |

DEPARTMENT: Naperville Fire Department
Department of Public Works (DPW)
Finance Department

SUBMITTED BY: Mark Puknaitis, Fire Chief
Richard Dublinski, DPW Director
Rachel Mayer, Finance Director

BACKGROUND:
All ten fire stations depend on a vehicle exhaust extraction system (VEES) to prevent vehicle exhaust fumes and particulate matter from accumulating in the fire stations. VEES systems connect to emergency vehicle exhausts while the vehicles are in the fire station and then automatically disconnect upon departure from the fire station. These systems are important to maintaining the health of the Fire personnel that work at the fire stations. The majority of the VEES systems were installed over fifteen years ago. Due to the age of the systems, it is becoming increasingly difficult to locate parts and authorized repair technicians.

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Phase I of this project includes the replacement of the existing VEES systems at Fire Stations 2, 3 and 6. Public Works staff will monitor the performance of the new system. If system performs appropriately, Fire and DPW intend to install the same system in the remaining stations for system conformity. The additional installations are intended to be completed over the next two years in Phases II and Phase III.

Per the specification, the VEES must provide virtually 100% complete evacuation of all vehicle emissions (particulate, gasses and fumes) at the source from the start up to the exit of emergency vehicle from the fire station. The diesel exhaust removal system will also be capable of delivering complete coverage for bays up to 110 feet in length. The system must be able to accommodate drive through and back-in bays to meet all the needs of the fire department. Additionally, a two year Maintenance Plan will be required for the newly installed system.

Previous Procurements

Prior to advertising this RFP, the City previously advertised two bids to install a new VEES system at Fire Stations 2, 3, and 6. The first bid, 16-082, was rejected after the low bidder was found non-responsive and the second low bidder's bid amount was substantially over the budget amount. The first bidder was determined to be non-responsive because the bid did not conform to the bid specifications.

The demolition tasks were removed from the original scope of work and a second bid, 16-119, was advertised and subsequently cancelled before bids were received. During the pre-bid meeting for Bid 16-119, one of the bidders asked why the City was bidding a sole source item and if alternative products would be allowed. The City was not aware that the product specified was a sole source and had been told by multiple vendors that they could submit bids. However, when Procurement staff contacted the manufacturer of the product, we were informed that their product was sold by a single regional distributor making it a sole source. Once we were made aware that the product was a sole source, the bid was cancelled.

Before moving forward with an additional procurement to secure a new VEES system for Fire Stations 2, 3 and 6, Procurement, DPW, and Fire staff regrouped to discuss the best course of action moving forward. It was decided that an RFP should be conducted to allow the City to use qualifications and cost to evaluate the VEES options in the market.

DISCUSSION:

| | | | |
|---------------------|------------|---------------------|----|
| Advertisement Date: | 02/11/2016 | Notices Sent: | 36 |
| Opening Date: | 03/02/2016 | Planholders: | 10 |
| | | Proposals Received: | 2 |

Proposals were received from the following suppliers:

Hastings Air Energy
MagneGrip

An evaluation team comprised of staff from the Fire Department and the Department of Public Works reviewed and scored the proposals based upon the following criteria set forth in the RFP:

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1. Technical Specifications (40%)
2. Qualifications, Experience and References (40%)
3. Project Approach (20%)

Once the proposal scoring was completed, the fee proposals were opened. The costs were then divided by the respective firm’s qualifications score (expressed as a decimal) to yield an “adjusted cost”.

| Supplier | Proposed Fee | Qualification Score | Quality Adjusted Fee |
|--------------------|--------------|---------------------|----------------------|
| Hasting Air Energy | \$126,640 | 95.00 | \$133,305.26 |
| MagneGrip | \$113,298 | 65.25 | \$173,636.78 |

Hastings Air Energy Control has the lowest quality adjusted cost and is recommended for award.

FISCAL IMPACT:

CIP #: MB199 – Emergency Vehicle Exhaust System Replacement

The services for this contract will be expensed to the account listed below. The total budget for MB199 - Emergency Vehicle Exhaust Replacement program for CY2016 is \$122,700. The budget overage of \$3,940 will be accommodated by savings from other capital projects including the Municipal Center Roof Replacement Evaluation (MB176).

| Account Number | Fund Description | Total Budget Amount |
|--------------------|------------------|---------------------|
| 332-4240-418.70-83 | G.O. Bond Funds | \$175,700 |

RECOMMENDATION:

Approve the Award of RFP 16-166, Vehicle Exhaust Extraction System, to Hastings Air Energy for an amount not to exceed \$126,640.

ATTACHMENTS:

1. CIP Page

Project Number: MB199
Department Name: Public Works
Project Purpose: This is a sustainable asset project to replace the emergency vehicle exhaust systems at the Naperville Fire Stations

Project Title: Emergency Vehicle Exhaust System Replacement
CIP Status: Previous Year - No Change

Category Code: B
Criteria:
Sector: Various
WF Number:

Project Narrative:

All Naperville fire stations are equipped with emergency vehicle exhaust systems. These systems connect to the exhaust of emergency vehicles and disconnect upon departure of the fire station. The exhaust systems prevent fumes and particulate matter from collecting in the stations. The older systems have exceeded their useful life of 15 years and repair parts and authorized repair technicians are difficult to locate. These systems are often out of service and in need of replacement. Phase I of this project is to install 3 new systems in 2015 at Station #2, Station #3, and Station #6. Public Buildings will then monitor the performance of the new system and look to implement Phase II and III, which is to install the system in all remaining stations for system conformity over the next 2 years.

External Funding Sources Available
 None

Projected Timetable
 2015 - 3 Stations; 2016 - 3 Stations; 2017 - 4 Stations

Impact on Operating Budget
 This will reduce lead time on difficult to obtain parts and reduce part supply expense.

Project Budget Impact Summary

| | 2016 | 2017 | 2018 | 2019 | 2020 | Total CIP |
|---------------|----------------------|---------|---------|---------|------|-----------|
| Impact Detail | (1,200) | (1,600) | (2,000) | (2,000) | 0 | (6,800) |
| Subtotal | (1,200) | (1,600) | (2,000) | (2,000) | 0 | (6,800) |
| | Prior Year(s) Impact | | | | | 0 |
| | Total Project Impact | | | | | (6,800) |

Funding Source Summary

| | 2016 | 2017 | 2018 | 2019 | 2020 | Total Source |
|------------------|----------------------------|---------|------|------|------|--------------|
| unding Source | 122,700 | 170,671 | 0 | 0 | 0 | 293,371 |
| Infunded Capital | 122,700 | 170,671 | 0 | 0 | 0 | 293,371 |
| Subtotal | 122,700 | 170,671 | 0 | 0 | 0 | 293,371 |
| | Prior Year(s) Expenditures | | | | | 0 |
| | Total All Sources | | | | | 293,371 |

Project Cost Summary

| Expense Category | Prior Year(s) Expenditures | 2015 Year-to-Date | | | | 2017 | 2018 | 2019 | 2020 | Total CIP |
|-----------------------|----------------------------|-------------------|---------|---------|---------|------|------|------|---------|-----------|
| | | Budget | 108,400 | 0 | 122,700 | | | | | |
| Building Improvements | 0 | 108,400 | 0 | 122,700 | 170,671 | 0 | 0 | 0 | 293,371 | |
| Subtotal | 0 | 108,400 | 0 | 122,700 | 170,671 | 0 | 0 | 0 | 293,371 | |
| | Prior Year(s) Expenditures | | | | | | | | 0 | |
| | Total Project Cost | | | | | | | | 293,371 | |

