

CITY OF SANTA ROSA
CITY COUNCIL

TO: MAYOR AND CITY COUNCIL
FROM: ROBERT SPRINKLE, DEPUTY DIRECTOR-TRAFFIC
TRANSPORTATION AND PUBLIC WORKS DEPARTMENT
SUBJECT: WAIVER OF COMPETITIVE BID FOR CONTRACT CHANGE
ORDER #1 F002167 INSTALLATION OF NEEDLEPOINT
BIPOLAR IONIZATION AIR PURIFICATION SYSTEM

AGENDA ACTION: RESOLUTION

RECOMMENDATION

It is recommended by the Transportation and Public Works Department and Water Department that the Council, by resolution, 1) waive competitive bidding pursuant to section 3-44-080 of the City Code; 2) approve and authorize the City Manager or his designee to execute Change Order #1 and any necessary related documents under Contract Number F002167 with Matrix HG, Inc., of Concord, CA to expand the scope of work for the installation of Global Plasma Solutions Needlepoint Bipolar Ionization Air Purification Systems and to increase the contract amount by \$303,699 for a total not to exceed amount of \$592,496; and 3) appropriate \$514,958 from General Fund reserves for the project.

EXECUTIVE SUMMARY

The City of Santa Rosa entered into a minor public works contract to install Global Plasma Solutions Needlepoint Bi-Polar Ionization systems in several of our buildings. This technology has several benefits including reducing viruses, bacteria, molds, smoke and other airborne particulates, creating cleaner air environment within the City buildings. It has shown to be effective against Coronavirus, Norovirus, SarS-CoV-2, and several other pathogens while also reducing the energy consumption and extending the life of the ventilation units. The Transportation and Public Works Department and Santa Rosa Water Department is proposing that Council approve Change Order #1 and waive competitive bidding under the City Code in order to increase the scope of this project to include the remaining buildings throughout the City and to increase the contract amount by \$303,699 for a total not to exceed amount of \$592,496.

BACKGROUND

The GPS Needlepoint Ionization Air Purification system is a proprietary system that removes pathogens (bacteria, viruses, and mold), odors, particles, and smoke. It

provides an energy savings of 30% and increases the life expectancy of the fixed HVAC units by keeping the coils clean, creating an environment that makes the unit perform more efficiently. These units help address COVID-19, smoke, and air quality issues due to increased wildfires throughout the region.

On March 2, 2020, the City Manager proclaimed the existence of a local emergency in his capacity as Director of Emergency Services relating to the threat to community health posed by COVID-19. On March 3, 2020, the Council took action to ratify the proclamation pursuant to City Code section 2-24-050. The COVID-19 emergency declaration remains in effect.

Following that ratification of a local emergency and on June 30, 2020 the Assistant City Manager consistent with his authority under Section 3-44.080(A) of the City Code and delegation from the City Manager: (1) approved a waiver of competitive bid as in the best interests of the City; and (2) awarded and executed a minor public works Contract Number F002167 with Matrix HG, Inc., in the amount of \$288,797.00 to begin installing systems throughout multiple city buildings.

PRIOR CITY COUNCIL REVIEW

There has been no prior City Council review of this item.

ANALYSIS

The Facilities section analyzed costs, performance, and ongoing maintenance of this system. While working to address air quality during the pandemic, several options were analyzed by City staff to improve air quality in city facilities to remove pathogens (bacteria, viruses, and mold), odors, particles, and smoke control resulting from wildfire. The City Hall complex was used to analyze several approaches for increasing air quality including:

- Needlepoint ionization air purification system - \$70,000.00 removes Pathogens (bacteria, viruses, and mold), odors, particles, and smoke.
- Portable HEPA air scrubbers - \$72,000.00 and an additional \$7,000.00 per week in filters.
- Replacing MERV 8 with MERV 13. Currently we are spending approximately \$8,000.00 per year on MERV 8 filters. MERV 13 would cost approximately \$32,000.00 per year and would further restrict the air flow in the HVAC units resulting in breakdowns and failures.
- UV Light - Does not eliminate smoke or odors. Would require additional air quality measures to meet the City of Santa Rosa's needs.

The energy cost for the portable scrubbers was not calculated, but it is extremely likely that the proposed 72 portable units that would be required to provide air cleaning would not operate with the current electrical system at City Hall and the system would require additional upgrades. The noise pollution of 72 air scrubbers was not determined but

recognized that it would be very high. Staff time deploying and changing filters has been estimated at 4 hours a week for just the City Hall complex. If this was implemented Citywide, this would be a full-time position to maintain the filters at regular recommended intervals.

The Bipolar Ionization Units require zero maintenance and are integrated into the existing air handlers and do not produce any additional noise. The units can also be removed and relocated to new units if they are replaced.

The installation has proceeded well with respect to the City buildings identified under the original scope of the minor public works contract. With the COVID-19 emergency still ongoing and wildfire smoke (including most recently from the Glass Fire) still impacting air quality, staff recommends that Council approve Change Order #1 to minor public works Contract No. F002167 with Matrix HG, Inc. to increase the scope of this project and extend air quality benefits of the technology for staff and the public to the remaining buildings throughout the City and to increase the contract amount by \$303,699 for a total not to exceed amount of \$592,496. Change Order #1 is directly related to the protection of staff and the public in public facilities from the impacts of the COVID emergency during the pandemic. Benefits related to wildfire smoke removal connected with another recent emergency and energy savings are also an added benefit.

FISCAL IMPACT

The funding for this project will come from three Water accounts: JL 55498 \$6,735.50, JL 70551 \$6,735.50, and JL 86635 \$64,049.00. To fund the remainder, \$226,179.00 needs to be appropriated from General Fund reserves into JL 17566 for Change Order #1 and \$288,779.00 needs to be appropriated into JL 17566 for the initial Contract F002167 for a total appropriation from the General Fund reserves of \$514,958.

ENVIRONMENTAL IMPACT

This project exempt from CEQA pursuant to CEQA Guidelines Section 15301 in that involves the maintenance/repair of existing buildings.

BOARD/COMMISSION/COMMITTEE REVIEW AND RECOMMENDATIONS

None

NOTIFICATION

Not applicable

ATTACHMENTS

- Resolution / Exhibit A

WAIVER OF COMPETITIVE BID FOR CONTRACT CHANGE ORDER #1 F002167
INSTALLATION OF NEEDLEPOINT BIPOLAR IONIZATION AIR PURIFICATION SYSTEM
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CONTACT

Robert Sprinkle, Deputy Director Traffic
rsprinkle@srcity.org; 707-543-3817