



**PURCHASING ITEM
FOR
COUNCIL AGENDA
Memo No. CP16-090**

1. Agenda Item Number:

2. Council Meeting Date:
November 19, 2015

TO: MAYOR & COUNCIL

THROUGH: CITY MANAGER

3. Date Prepared: October 26, 2015

4. Requesting Department: Community &
Neighborhood Services

5. SUBJECT: Construction contract to DNG Construction, LLC, for the Aquatic Facilities Air Quality and HVAC Repairs.

6. RECOMMENDATION: Staff recommends City Council award a construction contract to DNG Construction, LLC, for Aquatic Facilities Air Quality and HVAC Repairs, Project No. CS1404.401, in an amount not to exceed \$219,673.27.

7. BACKGROUND/DISCUSSION: This project includes work at Mesquite Groves Aquatic Center at 5901 S. Hillcrest Drive and Hamilton Aquatic Center at 3838 S. Arizona Avenue. The project upgrades the current evaporative cooling systems to central air conditioning systems.

In the fall of 2014, DLR Group completed an air quality study at Hamilton and Mesquite Groves Aquatic Centers and recommended repair options with cost analysis. The report found various states of inoperability at both facilities. In the women's restroom at Hamilton Aquatic Center the report stated the supply actually measured the air volume at 20% below the design value. At Mesquite Groves Aquatic Center the measured air volume was 15% below design value in the men's restroom and 46% in the women's restroom. The report also stated that the supply air in the women's restroom was so low it was less than the exhaust volume resulting in the space experiencing a negative pressure.

The report provided three repair and cost recommendations for each location. Option 1 recommended replacing each system with "like" evaporate cooling units and heat pumps. This option did not resolve the interior comfort level or increase air volume. Cost estimate for Option 1 was \$195,000.00. Option 2 recommended replacing the systems with evaporative cooling units, but installing separate gas duct heaters for the heat pumps, replacing a portion of the gas piping, ceiling diffusers and new electrical conductors and disconnects. While this option created greater air volume, it did not address the interior air comfort. Cost estimate for Option 2 was \$234,000.00. Option 3, which was the option selected, recommended replacing the evaporative cooling systems with 100% outside air conditioning units. This option corrects all the issues found in the Air Quality Study. Cost estimate from the study for Option 3 was \$275,000.00.

The scope of work for this project consists of demolition and disposal of existing evaporative cooling units, exhaust fan(s) and controls, and replacing them with new packaged direct expansion units and exhaust fans. Scope of work includes all necessary electrical, control and architectural work for a complete, operational building.

8. EVALUATION: Six (6) bids were opened on October 23, 2015. The bid results were as follows:

Contractor	Bid Total
DNG Construction, LLC	\$219,673.27
Innovative Mechanical Systems, Inc.	\$244,790.00
United Technologies, Inc. dba Uni-Tech	\$249,941.00
A Quality Construction, Inc.	\$274,807.00
Low Mountain Construction, Inc.	\$283,875.00
BWC Enterprises, Inc. dba Woodruff Construction	\$309,832.77

Upon issuance of the Notice to Proceed, construction contract time is 100 calendar days for substantial completion, and 120 days for final completion.

9. FINANCIAL IMPLICATIONS:

Cost: \$219,673.27
Savings: \$0
Long Term Costs: \$0

Fund Source:

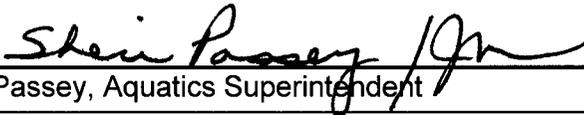
<u>Account No.:</u>	<u>Fund Name:</u>	<u>Program Name:</u>	<u>CIP Funded</u>	<u>Amount:</u>
401.4580.6611.6PR047	Capital Improvement	Aquatic Facility Safety Renovations	FY 15-16	\$219,673.27

10. PROPOSED MOTION: Move City Council award a construction contract to DNG Construction, LLC, for Aquatic Facilities Air Quality and HVAC Repairs, Project No. CS1404.401, in an amount not to exceed \$219,673.27.

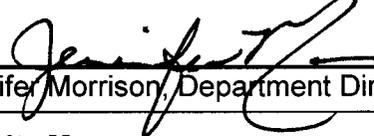
ATTACHMENTS: Location Map

APPROVALS

11. Requesting Department


Sheri Passey, Aquatics Superintendent

13. Department Head


Jennifer Morrison, Department Director

12. Transportation & Development


Bob Fortier, Capital Projects Manager

14. City Manager


Marsha Reed, Acting City Manager



AQUATIC FACILITIES AIR QUALITY AND HVAC REPAIRS AT MESQUITE GROVES AQUATIC CENTER AND HAMILTON AQUATIC CENTER PROJECT NO. CS1404.401

MEMO NO. CP16-090

- HAMILTON AQUATIC CENTER
- MESQUITE GROVES AQUATIC CENTER

