MEMORANDUM

To: Mayor and City Council

From: Jerod Anderson, Director of Enterprise Solutions

Date: March 28, 2023

Reference: Consider approval to purchase Nutanix Cloud Infrastructure from Unique Digital, A Converge Company, DIR contract # DIR TSO-4315 in the amount of $603,956.36 and available in the Enterprise Solutions Replacement Fund; and authorizing the City Manager to sign any necessary documents.

Introduction:

The Nutanix Cloud Infrastructure (NCI) is a Hyperconverged Infrastructure (HCI) allows the City of Coppell to combine disparate datacenter hardware using locally attached storage resources. NCI converges the entire datacenter stack, including server compute, storage, storage area networking, and virtualization. This allows Enterprise Solutions to have a single pane of glass for administration of the datacenter. The administration software is highly intuitive, which allows for simplified management by the City of Coppell Systems Administrators.

Background:

The City of Coppell has been using disparate servers, storage area networks and virtualization software for at least a decade now and is currently over the compute and storage threshold. With more application systems coming on-line, and the growth of current systems, Enterprise Solutions is tasked with continuing to provide new and existing services to all City of Coppell departments. This helps reduce our technology sprawl and free up technical resources to focus on high value activities.

By utilizing NCI, it will allow Enterprise Solutions to deliver the needed resources as well as a disaster recovery solution to protect critical city services. This improves our system availability against hardware failures, disasters, and attackers as well as cuts capital and operational expenses with an integrated solution. NCI is very flexible and scalable as nodes can be added on the fly as the City of Coppell software needs change. Built-in native integrations to public clouds allows NCI to manage private and public clouds as one.

NCI provides a complete set of enterprise and cloud features enabling customers to replace traditional infrastructure and extend to the cloud. Features and benefits are enterprise-grade data services, consolidated data storage, data protection and disaster recovery, integrated security, virtualization, virtual networking, and management and analytics. NCI delivers the power of simplicity and allows Enterprise Solutions to manage applications, data, and security across the entire datacenter and multi-cloud environments.

Multiple HCI products were evaluated by utilizing vetted solution providers through the State of Texas Department of Information Resources (DIR). This solution was chosen as the best solution based on the technology features, usability, and overall cost. For this purchase we have identified Unique Digital, a Converge Company as our value added reseller. Value added resellers can provide the technology solution, and installation to get the best pricing and are preferred by most solution providers. This will be a five-year agreement with a total cost of $603,956.36. This cost includes all the hardware, software, support, and licensing for five years.

Benefit to the Community:

The benefit to the community would be providing all employees and citizens with the applications and services needed to be able to do their day-to-day jobs.

Procurement Review:

The Procurement Division has reviewed the documents and determined that this is an appropriate method of contracting with the vendor.

Fiscal Impact:

The fiscal impact of this purchase is $603,956.36 and is available in the Enterprise Solutions Replacement Fund.

Recommendation:

The Enterprise Solutions Department recommends approval.