

ACTION FORM BRYAN CITY COUNCIL

DATE OF COUNCIL MEETING: October 14, 2014		DATE SUBMITTED: September 29, 2014	
DEPARTMENT OF ORIGIN: Info Technology		SUBMITTED BY: Cray Crouse	
MEETING TYPE:	CLASSIFICATION:	ORDINANCE:	STRATEGIC INITIATIVE:
<input type="checkbox"/> BCD	<input type="checkbox"/> PUBLIC HEARING	<input type="checkbox"/> 1ST READING	<input checked="" type="checkbox"/> PUBLIC SAFETY
<input type="checkbox"/> SPECIAL	<input checked="" type="checkbox"/> CONSENT	<input type="checkbox"/> 2ND READING	<input checked="" type="checkbox"/> SERVICE
<input checked="" type="checkbox"/> REGULAR	<input type="checkbox"/> STATUTORY		<input type="checkbox"/> ECONOMIC DEVELOP.
<input type="checkbox"/> WORKSHOP	<input type="checkbox"/> REGULAR		<input checked="" type="checkbox"/> INFRASTRUCTURE
			<input type="checkbox"/> QUALITY OF LIFE
AGENDA ITEM DESCRIPTION: Consider approval of a one-time purchase of materials and services from Presidio Networked Solutions Group LLC (Presidio) for upgrading of data network cabling infrastructure inside the Municipal Office Building in the amount of \$78,100 based on an approved decision package for Fiscal Year 2015.			
SUMMARY STATEMENT: All network infrastructure equipment in the Municipal Office Building (MOB) was upgraded in FY2014. This upgrade increased the network connection speed capability to each port 10 times from 100Mb to 1000Mb (1Gb). Users are connected to these ports by Ethernet cabling installed around 1999. Much of the existing cabling infrastructure has a limitation of no more than 100Mb. To accommodate maximum connection speed to the network, the MOB network cable infrastructure needs to be upgraded to Category 6 cabling and will impact all MOB network users.			
<p>Category 6 cable, commonly referred to as Cat 6, is a standardized cable for Gigabit Ethernet and other network physical layers, and it is backward compatible with previous versions of Category cabling standards. The Category 6 cable standards were standardized and adopted in 2009 by the Telecommunications Industry Association (TIA). The TIA is accredited by the American National Standards Institute (ANSI) to develop voluntary, consensus-based industry standards for a wide variety of Information and Communication Technologies products. At the time of the last infrastructure upgrade for the MOB, Cat 5 was the standard. Since that time, the industry standard has gone through two generations of upgrades increasing bandwidth and infrastructure requirements with each new generation.</p> <p>Historically, the physical cable infrastructure in the MOB has been deployed on an as-needed basis, which has created a plethora of category cabling infrastructure standards. This proposed project should provide for many years of functionality at 1Gb throughput capability.</p> <p>Presidio is a Texas Department of Information Resources (DIR) vendor. The DIR was created by the State of Texas to ensure the effective and efficient use of public funds for information technology services and equipment through the application of statewide services and technologies with emphasis on cooperative purchasing projects. Presidio's known work record with the City has demonstrated a high commitment to quality and professional performance. They have been used before in other infrastructure upgrades completing projects well within required guidelines and standards.</p>			
STAFF ANALYSIS AND RECOMMENDATION: The City's Information Technology Department respectfully requests City Council approval to procure services from Presidio through appropriate DIR contracts.			
Infrastructure improvement increases user-level use of existing network assets and capabilities that are currently limited by existing data network infrastructure. Costs for these services and materials are known and cannot exceed			

contract and quoted amounts. The City of Bryan increasingly relies upon the network infrastructure to conduct the daily operations of the City. Speed of connection to the network and to the internet is vitally important with the increased need for assets like network storage of public safety videos and data, GIS services, database access and back up requirements. Without the requested cabling upgrade, the cable will continue to serve as a “bottleneck” leaving the network resources underutilized.

OPTIONS (In Suggested Order of Staff Preference):

1. Approve the expenditure as recommended
2. Do not approve the expenditure and provide staff alternative direction

ATTACHMENTS:

1. Vendor Proposal and related Presidio DIR Contract (pdf file)

FUNDING SOURCE: General Fund, IT Budgeted Line Item, Computer Administration, Communication Data Lines (an approved FY2015 Decision Package)

APPROVALS: Hugh R. Walker, 09/30/2014

APPROVED CITY MANAGER:

APPROVED CITY ATTORNEY: Janis K. Hampton, 09-30-2014

Revised 04/2013