


COUNCIL COMMUNICATION

	Number:	24-359	Meeting:	September 16, 2024
	Agenda Item:	65	Roll Call:	24-1273
	Submitted by:	Jeffrey L. Wann, CIO, Information Technology Director		

AGENDA HEADING:

Resolution approving the purchase of fiber installation services from Commonwealth Electric Company of the Midwest using the State of Iowa Agreement 20450 and City of Des Moines Short Form No. k23-016.

SYNOPSIS:

Recommend approval of the proposed quote for installation of new fiber optic conduit and fiber. The City and the Des Moines Public Schools (DMPS) are utilizing their fiber optic sharing agreement to share costs associated with burying a section of Fiber optic cable along Hartford Avenue from SE 6th Street to SE 14th Street. As a second phase of this project, the City will bury its existing fiber connections to Fire Station 6 and Pioneer Columbus Community Center starting from the SE 6th Street and Hartford intersection. This second phase will solely be utilized by the City to upgrade connectivity to both City sites.

FISCAL IMPACT:

Amount: \$111,126.72

Funding Source: Fiscal Year (FY) 2024-2025 Capital Improvement Program (CIP), MS001, C051IT99, Miscellaneous Improvements Enhanced City-wide Information and Communication Systems, Page 26

ADDITIONAL INFORMATION:

- The City and DMPS both benefit from the reduced damage risk that burying the fiber optic cable brings. Weather or traffic events, such as ice storms or vehicular damage to the poles, can cause damage to the fiber optic cable which would cause an extended outage and warrant a repair. To reduce this risk, the City and DMPS agreed to share the cost of the construction of this section of the shared fiber optic path.
- Currently, Fire Station 6 and Pioneer Columbus Community Center are connected to the City network and Internet using a third-party fiber connection. This project is part of a larger initiative to provide critical facilities with redundant connections using the City fiber network.
- Due to timing with DMPS, this project is being completed during the summer.

- The first phase of the project is split 50/50 with DMPS for a total of \$48,275.45 (\$24,137.72 City responsibility) and the second phase is \$62,851.27, which will be paid for by the City.

PREVIOUS COUNCIL ACTION(S): NONE

BOARD/COMMISSION ACTION(S): NONE

ANTICIPATED ACTIONS AND FUTURE COMMITMENTS: NONE

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