



CITY OF DORAL COUNCIL MEETING MEMORANDUM

ITEM TITLE:

A RESOLUTION OF THE MAYOR AND THE CITY COUNCIL OF THE CITY OF DORAL, FLORIDA, AUTHORIZING THE CITY MANAGER TO PROCESS A BUDGET TRANSFER IN AN AMOUNT OF TWENTY-ONE THOUSAND DOLLARS AND 00/100 (\$21,000.00) FROM ACCOUNT No. 001.80005.500340 TO ACCOUNT No. 001.80005.640, TO PROVIDE SUFFICIENT FUNDING FOR THE PURCHASE OF ONE (1) GROUND PENETRATING RADAR (GPR) UTILITY LOCATOR; AUTHORIZING THE CITY MANAGER TO EXPEND BUDGETED FUNDS ON BEHALF OF THE CITY; PROVIDING FOR IMPLEMENTATION; PROVIDING FOR INCORPORATION OF RECITALS; AND PROVIDING FOR AN EFFECTIVE DATE

DEPARTMENT RECOMMENDATION:

Approval

BRIEF HISTORY:

As the City continues to grow and the number of in-house projects increases, there is a need for the City's Right-of-Way Maintenance Division to adapt and evolve in order to effectively address these expanding demands and ensure that repairs are completed safely and efficiently.

The Public Works Department (PWD) is proposing the purchase of a Ground Penetrating Radar (GPR) utility locator. This non-invasive technology uses radar signals to identify and map underground utilities and subsurface conditions, enabling safer and more accurate infrastructure assessments without the need for excavation.

The acquisition of a GPR utility locator will enhance the City's ability to proactively identify underlying issues before they escalate into more significant and costly failures. By improving accuracy in locating utilities and detecting subsurface voids, the City will reduce the risk of accidental damage, minimize project delays, and lower repair costs. Additionally, this technology will support safer work practices for staff and contractors, while improving overall service delivery and infrastructure reliability for the community.

Prior to selecting the GPR unit, multiple equipment options and vendors were evaluated. Factors considered during this review included performance capabilities, depth penetration, data resolution, ease of use, software compatibility, reliability, and overall cost. The selected unit, the US Radar Quantum GPR system, was chosen due to its triple-antenna configuration, that will provide deeper penetration, higher resolution in challenging soil, and simultaneous

multi depth scanning capabilities, which allows for more accurate surveying and improved subsurface mapping compared to single- or dual-antenna systems.
 Vermeer Southeast provided a quote of \$25,107.00 for the US Radar Quantum unit with pricing based on the Florida Sheriff Contract FSA23-EQU21.0.

LEGISLATIVE ACTION: (IF APPLICABLE)

Date:	Resolution/Ordinance No.	Comments
N/A		

FINANCIAL INFORMATION: (IF APPLICABLE)

No.	Amount	Account No.	Source of Funds
1.	\$4,107.00	001.80005.500640	Capital Outlay-Office Fund
2.	\$21,000.00	001.80005.500340	(Transfer)- Contractual Services Fund to Capital Outlay-Office Fund
Total:	\$25,107.00		
Fiscal Impact Statement: The proposed item has a fiscal impact on expenditures of \$25,107.00			

STRATEGIC PLAN ALIGNMENT:

This item follows the Public Safety Strategic Initiative as it provides for infrastructure improvements.

ATTACHMENT(S):

- A. Quote Based on Florida Sheriff Contract
- B. Draft Resolution – Funding Transfer