

INDIAN RIVER COUNTY, FLORIDA  
M E M O R A N D U M

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**TO:** Honorable Board of County Commissioners

**THROUGH:** Jason Brown, County Administrator

**THROUGH:** Tad Stone, Director of Emergency Services

**FROM:** Maria Resto, Radiological Emergency Analyst/Radio System Manager

**DATE:** May 20, 2020

**SUBJECT:** Approval of Change Order No. 2 for Radio System P25 Migration Project

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It is respectfully requested that the information contained herein be given formal consideration by the Board of County Commissioners at the next scheduled meeting.

**DESCRIPTION:**

On August 16, 2016, the Board approved a migration project to the Federal Communications Commission P25 standard for interoperable digital two-way communications for public safety organizations as well as other County and Municipal operations. This is a planned upgrade and is partially funded in the County's Capital Improved Element (CIE) in the amount of \$1,500,000. As you may recall, staff recommended commencing the upgrades in phases over a five-year period. Staff is currently working with the selected vendor, Communications International Inc. (CII) on the final stages of Work Order No. 4 and will soon be submitting Work Order No. 5 for BCC consideration.

Work Order No.4 requires a build out of a site to be located beach side in Vero Beach, to provide the necessary transmit and receive coverage that have shown to be problematic with the existing legacy system. Attempts have been made to locate the necessary antenna arrays on buildings located on the Barrier Island but all of these attempts have not materialized. This has left the County with the best available option to construct a monopole tower of sufficient height (85' to 100') to support the necessary antennas and microwave dishes (3') for the system. The County has been working closely with the City of Vero Beach through the planning process to locate the tower on the North West Corner of Fire Station #2. This tower will only be used for the County's radio system and no co-location of cell providers will be allowed. The radio frequency preparation studies have indicated that this location will correct the existing coverage issues.

Continuing with the Board approved P25 migration project and agreement for service; the attached quote outlines cost of \$267,126.05, making the total cost of Amended Work Order No. 4 of \$1,813,041.39

**FUNDING:**

Funding for the new tower site is to be derived via budget amendment from Optional Sales Tax Fund/Cash Forward Oct 1<sup>st</sup>.

ITEM	Amount	Account Number
P25/Phase 2	\$267,126.05	31512022-066510-16004

**RECOMMENDATION:**

Staff recommends the Board approve this budget transfer and also approve the change order with Communications International Inc. for this project.

**ATTACHMENTS:**

New Tower Site Quote