



AGENDA ACTION ITEM

DATE: 2024-11-25

TO: Board of County Commissioners

FROM: Darryl Johnson, Public Works Director

ITEM TITLE: **Action Item – W4000N Reconstruction – Change Order No. 2**

Summary:

W4000N Reconstruction – Change Order No. 2; Quantity Adjustment

Field verification for the original design of W4000N showed significant cuts for the vertical profile design. In an effort to reduce roadway excavation costs, the vertical profile was adjusted to minimize removal of existing roadway material. Although a savings was realized through reducing roadway excavation quantities, additional fill material was required for shoulder work to accommodate the vertical design adjustment. Other quantities affected by the vertical design adjustment were Seedbed Preparation and Seeding.

Preliminary design suggested that the adjusted quantities would result in similar costs of the original contract. However, upon reviewing truck haul tickets, a very significant fill quantity increase was discovered. The quantity was significant enough to retain survey services and have the new road surface modeled. The finish surface model allowed us to evaluate quantities by comparing the original ground surface with finish grade surface.

Upon further investigation, it was discovered that the design model for shoulder work was incorrect. The original road reconstruction plans show a 4:1 shoulder slope and states that the 4:1 slope change to a 2:1 slope outside of the clear zone as needed to stay within the current right-of-way. The model created for estimating quantities only accounted for the 4:1 to 2:1 shoulders in all instances. This effort created a shortage in needed fill quantities.

The contract time has also been extended to 8/31/2025. Fall temperatures had dropped

See attached Change Order No. 2 memorandum summarizing all cost adjustments.

Fiscal Impact:

Quantity adjustment has resulted in a net project increase of \$126,246. There is enough funding in our FY2025 Road Reconstruction budget to cover the project cost increase. Total contract price will be adjusted to \$1,703,919.80

Attachments:

Change Order No. 2

Typical Section Design

Quantity Adjustment Explanation Memorandum

Quantity Discrepancy Memorandum

SUGGESTED MOTION:

Approve Change Order No. 2 for the W4000N Road Reconstruction in the amount of \$126,246 for adjusted pit-run quantities due to design changes and field measured quantity verification. Costs to be paid from 233-00-43086