

Legislation Text

File #: 21-669, **Version:** 1

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE CHANGE ORDER NO. 1 IN THE AMOUNT OF \$292,490.00, PURSUANT TO THE AGREEMENT BETWEEN THE CITY OF POMPANO BEACH AND KIEWIT INFRASTRUCTURE SOUTH COMPANY FOR SEAWALLS UNDER THE SE 5TH AVENUE BRIDGE PROJECT; PROVIDING AN EFFECTIVE DATE.

(Fiscal Impact: \$292,490.00)

(Staff Contact: Horacio Danovich)

Summary Explanation/Background:

Staff is seeking City Commission approval of a Resolution to execute a Change Order No. 1 with Kiewit Infrastructure South (KIS) in the sum of \$292,490.00. This change order is necessary to conduct unforeseen construction work to protect an existing seawall under the SE 5th Avenue (see Location Map). KIS was retained to replace the bridge and conduct necessary repairs to the seawall. KIS discovered that the existing seawall wasn't installed in a manner consistent with current engineering standards. In the process of attempting to repair and replace the seawall, KIS detected conditions that precluded them from doing the work as initially prescribed. KIS attempted to repair the seawall utilizing a variety of different methodologies, but none of them worked. As a result, and after further analysis by TY Lin (Engineer of Record) and City staff, it was determined that there exist only two other suitable solutions. One solution would be to rent sheet piles, re-build the seawall, and remove the sheet piles afterwards. This solution is suitable, but very complex due to the need for large cranes as well as the uncertainty that the backfilling process will not fail. The other solution entails the installation of permanent sheet piles that would be used to contain the unsettled soils, and leave them in place after the seawall is repaired. This add another level of safety and strengthens the seawall ahead of future impacts by sea level rise. Staff recommends approval.

Origin of request for this action: GO Bond

Fiscal impact and source of funding: \$292,490.00, account no. 318-7638-530.65-12