



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: August 9, 2019

TO: James Nagelvoort, Director, Public Works Department

FROM: Kris McFadden, Director, Transportation & Storm Water (TSW)

SUBJECT: Sole Source Agreement for Emergency Soil Stabilization Services for the Cook's Crack Sea Cave

Attached is the Coastal Erosion Assessment and Cave Solution Feasibility Analysis from Terra Costa Consulting Group regarding the evaluation of the Cook's Crack Sea Cave that lies underneath 1210 Coast Boulevard (Attachment 1). The report identified a high probability of collapse of additional supporting rock, causing damage to the street and utilities that overlie the sea cave. Furthermore, additional information discussed in the August 8, 2019 memo from Terra Costa Consulting Group (Attachment 2) states that due to groundwater and deposits falling from the roof of the sea cave, a collapse could occur at any time, resulting in a sinkhole into which a vehicle or pedestrian could fall.

TSW has also been working with URETEK, Inc. to acquire an operations and maintenance contract that will stabilize the soil under the street and directly above the sea cave by injecting a high-density expansive polymer which will provide a stronger and improved soil structure that will allow phase two of the repairs to commence.

TSW, in alignment with the guidance provided in the San Diego Municipal Code, formally requests awarding a sole source operations and maintenance contract to URETEK, Inc. for emergency soil stabilization services.

The necessary capital repair is beyond the capabilities of TSW. We request a sole source emergency capital contract to provide emergency stabilization of the roadway and underlying soil to prevent collapse of portions of Coast Boulevard in La Jolla that overlie the sea cave.

Strict compliance with a competitive process would not produce an advantage, and would therefore be undesirable, impractical, or impossible due to the immediate need to address the instability.

Location of the Emergency

The roof of the sea cave is located under 1210 Coast Boulevard in La Jolla and extends on both sides of the street.

August 9, 2019

Nature of the Emergency

The City of San Diego noted that portions of the roadway along Coast Boulevard in the area of the sea cave are showing signs of extensive cracking. These signs raised concerns as to the stability of the underlying soil and rock. Terra Costa Consulting Group prepared a Coastal Erosion Assessment and Cave Solution Feasibility Analysis concluding there is a high probability of collapse of additional supporting roof rock, resulting in the formation of voids or sinkholes under Coast Boulevard, causing damage to the street and utilities that overlie the sea cave.

Description of Work

The capital solution to prevent the collapse of the sea cave is to infill the cavity with sandy slurry. In the interim the emergency operations and maintenance sole source contract with URETEK, Inc. will stabilize the soil of the sea cave roof and pavement by injecting a high density expansive polymer which will provide a stronger and improved soil structure that will allow us to complete phase two of the repairs.

Should you have any comments or questions, please contact Edgar Puente, Senior Civil Engineer, at (619) 527-7527 or epuente@sandiego.gov.



Kris McFadden
Director

KM/ep

Attachments: 1. Coastal Erosion Assessment and Cave Solution Feasibility Analysis
2. August 8, 2019 memo from Terra Costa Consulting Group

cc: Aimee Faucett, Chief of Staff, Office of the Mayor
Kris Michell, Chief Operating Officer
Ronald H. Villa, Assistant Chief Operating Officer
Alia Khouri, Deputy Chief Operating Officer, General Services
Johnnie Perkins, Deputy Chief Operating Officer, Public Works & Utilities
Lee Friedman, Infrastructure Policy Manager, Office of the Mayor
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