

THE CORRADINO GROUP, INC.

CORRADINO

ENGINEERS • PLANNERS • PROGRAM MANAGERS • ENVIRONMENTAL SCIENTISTS

Sent via Email to m Bailey@coopercityfl.org

January 21, 2022

Michael F. Bailey, P.E.
Director of Utilities/City Engineer
City of Cooper City Utilities Department
11791 SW 49th Street
Cooper City, FL 33330

Dear Mr. Bailey,

It is our understanding that the City of Cooper City has requested civil engineering services, including modeling and agency permitting related to the SW 49th Street Culvert. The Corradino Group will provide the attached scope of services related to this task work order assignment for a lump sum budget of **\$29,500.00**. The Consultant (The Corradino Group, Inc.) will notify the Client if an additional service agreement is necessary based on any changes to the agreed-upon scope of services.

The Corradino Group appreciates this opportunity to submit this proposal to the City of Cooper City. We look forward to assisting you in providing the best engineering consultant services possible to the City.

Sincerely,



Joseph M. Corradino, AICP
President
The Corradino Group, Inc.

CONSULTING SERVICE AUTHORIZATION

Statement of Work (SOW)

CITY P.O. NO. _____

CITY EXPENSE CODE _____

TITLE: Stormwater/Drainage Modeling and Permitting Services- SW 49th Street Culvert

I. PROJECT DESCRIPTION:

The Consultant, in conjunction with our sub-consultants, CES Consultants/Comak Group, Inc., will provide civil engineering services, including stormwater/drainage modeling and agency permitting related to the SW 49th Street Culvert. These on-call civil engineering services will be limited to the stormwater/drainage modeling and preliminary agency permitting phases of this project.

II. SCOPE OF SERVICES:

Task 1.0: Stormwater/Drainage Modeling and Permitting Services

The Consultant, in conjunction with our sub-consultants, CES Consultants/Comak Group, Inc., will provide stormwater/drainage modeling required to satisfy the SFWMD that the capacity of the refurbished culvert meets their requirements. The stormwater/drainage modeling will be based on the conceptual design alternative repair methods preliminarily outlined in the October 21, 2021, SW 49th Street Culvert Pipe Rehabilitation/Replacement technical peer review memorandum.

The Stormwater/Drainage Modeling will include the following:

- Collect existing SFWMD Permit No: 7493 and support engineering analysis on file with SFWMD for the Canal C-11 S Culvert across SW 49th St.
- Perform engineering analysis and establish the hydraulic operating performance of the existing 15-foot diameter Corrugated metal (CMP) steel plate pipe structure using the HY 8 Culvert Hydraulic Analysis Program.
- Conduct engineering analysis using HY 8 Culvert Hydraulic Analysis Program to verify that the hydraulic performance of the replacement lined pipe structure shall be essentially the same as that of the existing 15 -foot CMP structure to be rehabilitated.
- Hydraulic performance shall consider operating conditions for both seasonal low water and optimal water surface elevation canal conditions for the existing and proposed rehabilitated pipe details.
- Low water and Optimal water levels for the C-11S canal will be coordinated with SFWMD staff and established to verify proposed rehabilitated Culvert compliance with SFWMD criteria requirements.

The Consultant will provide intergovernmental coordination and permitting services related to the stormwater/drainage modeling of the Culvert Pipe Rehabilitation. These services will include preparing the permit applications necessary for this phase of the project. The stormwater/drainage modeling will be summarized in a technical memorandum by a professional engineer registered in the State of Florida for use in the agency permit submittal to SFWMD.

Task 2.0: General Coordination and Meeting Attendance

The Consultant will provide general coordination with the City and other related government agency stakeholders throughout the Stormwater/Drainage Modeling and Permitting Services. An initial three meetings have been estimated as part of this scope of services.

Basis of Scope:

- This scope of services is based on the City providing a copy of all existing drainage permits, structural designs, geotechnical studies, site plans, details, and as-builts drawings of the SW 49th Street Culvert.
- This scope of services is based on a discussion held in the joint meeting with SFWMD held on 12/16/21.
- This scope of services does not include design-related services related to the improvement to the existing SW 49th Street Culvert. The design, permitting, bidding, and construction administration services related to the future Consultant services for the next phase of the SW 49th Street Culvert Rehabilitation/Replacement will be provided as a separate task work order agreement as requested by the City.
- This scope of services does not include any related agency fees. Any application fees will be the responsibility of the Client.

III. BUDGET:

The Corradino Group staff will provide to the City of Cooper City the basic services described in this scope of services for a lump sum fee of **\$29,500.00**.

Approved by:


CITY OF COOPER CITY

Date: _____

By: _____
Michael F. Bailey, P.E., Director of Utilities

THE CORRADINO GROUP, INC.

Date: January 21, 2022

By: 

Joseph M. Corradino, AICP, President