



CITY COMMISSION STAFF REPORT

DEPARTMENT: Public Works

DATE: April 9, 2024

SUBJECT: Motion to Approve the Execution of The Corradino Group, Inc. Task Work Order for a Traffic Operational Analysis and the Preparation of Plans and Permitting for Construction of a Roundabout at the Hiatus Road and NE Lake Boulevard Intersection in the amount of \$149,750.00 - The Corradino Group, Inc. - **Public Works**

CITY MANAGER RECOMMENDATION:

The City Manager recommends the Commission approve the execution of The Corradino Group, Inc. Task Work Order for a Traffic Operational Analysis and the Preparation of Plans and Permitting for Construction of a Roundabout at the Hiatus Road and NE Lake Boulevard Intersection with The Corradino Group, Inc. to be used by Public Works.

BACKGROUND OF ITEM:

On May 9, 2016, a traffic study was conducted by Calvin, Giordano and Associates, Inc., which indicated the need to reduce excessive speeds and address right-angle crashes at the Hiatus Road and NE Lake Blvd intersection. Summary of the findings:

1. The intersection did not meet MUTCD traffic signal vehicular warrants 1A or 1B for a new traffic signal based on traffic data collected on 04/05/2016.
2. The 85th percentile speed along Hiatus Road between Sheridan Street and Stirling Road exceeded the posted speed limit of 40 MPH by 7 to 10 miles per hour based on traffic data collected on 04/05/2016.
3. Nine documented crashes occurred during the most recent three-year review period (2013-2016), with 8 being right-angle crashes.

On January 24, 2024, The Corradino Group, Inc., presented a Task Work Order with the lump sum budget of \$134,250.00 for basic services, with an additional hourly not-to-exceed fee of \$3,500.00 and \$12,000.00 for optional Landscape Architecture Design Services. The scope of services includes traffic analysis (data collection, traffic operational analysis/technical memorandum, and project management) and design services (existing conditions-topographic survey, sketch of descriptions for Right-of-Way acquisition, subsurface utility engineering-utility design services, geotechnical engineering, roadway, pavement marking and signage design, permitting services, tree disposition services, with optional landscape architecture services).

ANALYSIS:

Due to excessive speeds and the frequency of right-angle crashes, the 2016 study recommended evaluating measures to reduce the 85th percentile speed along Hiatus Road. To address this issue, The Corradino Group, Inc., will undertake the following scope of work:

- Prepare a traffic operational analysis of the intersection of Hiatus Road and NE Lake Boulevard.
- Submit the traffic operational analysis to Broward County Traffic Engineering for review and approval.
- Provide engineering design and permitting services for the installation of a new roundabout at the Hiatus Road and NE Lake Blvd intersection.

The design plans will be based on the conceptual design concept prepared by The Corradino Group, Inc. dated September 14, 2022. The Corradino Group, Inc. aims to complete the traffic operational analysis within 90 days from the issuance of a Notice to Proceed and the design and permitting of the roundabout at Hiatus Road and NE Lake Boulevard within 12 months after approval of the roundabout by Broward County Traffic Engineering Division and securing the proper Right-of-way.

STRATEGIC PLAN:

This item supports the 2022-2027 Commission Strategic Plan, specifically advancing:

Priority 2, Proactive Public Safety - Provide proactive public safety through a commitment to professional services and innovative processes so the quality of life and well-being of residents is continually improved:

- **Objective 5:** Conduct and complete a city-wide traffic calming study to reduce traffic speeds and congestion in and around school zones.
- **Performance Measures 1:** Reduced traffic fatalities, traffic injuries, and property damage.
- **Performance Measures 2:** Traffic complaints by residents and commuters are reduced by 50%
- **Performance Measures 3:** City-wide installation of traffic calming devices in areas warranted by appropriate studies

Priority 4, Citywide Revitalization Priority - Maintain and improve the City's infrastructure and appearance to support and ensure a sustainable and beautiful environment:

- **Objective 7:** Create a mobility plan that includes streets, paths, trails, greenways, sidewalks, and street calming.

PROCUREMENT:

The Corradino Group, Inc. is one of the three (3) consultants selected through the City's RFQ 2020-1-UTL and approved by the City Commission on June 8, 2021, after meeting the requirements of Florida Statute (FS) 287.055, commonly known as the Consultants' Competitive Negotiation Act (CCNA). Pursuant to FS 287.055(2)(g), a consultant selected through the CCNA

process, can be awarded a “continuing contract” for professional services where each individual study in an amount not to exceed \$500,000 without any additional competition.

FISCAL IMPACT:

The project is scheduled to span fiscal years 2024 to 2026, divided into two phases. The combined estimated project cost totals \$990,000.00. Phase I comprises of The Corradino Group, Inc.’s Task Work Order for a Traffic Operational Analysis and Preparation of Plans and Permitting for Construction of a Roundabout at the Hiatus Road and NE Lake Boulevard intersection as delineated as follows:

Phase I (FY24): Utilizes State-Funded Grant dollars through Florida Department of Transportation. The estimated project cost is \$520,000.00, with Cooper City's maximum participation set at \$150,000.00 for design costs and the Florida Department of Transportation's maximum participation at \$370,000.00 for partial construction costs.

The City Commission approved and funded \$515,000.00 in the 300-317-563330-539-24017 line for FY24.

<u>General Ledger Acct. Number</u>	<u>Budgeted Amount</u>	<u>Requested Amount</u>	<u>Remaining Amount</u>
300-317-563330-539-24017	\$515,000.00 (Design and Partial Construction)	\$149,750.00 (Design)	\$365,250.00 (Design and Partial Construction)

ATTACHMENTS:

1. Exhibit 1 - The Corradino Group, Inc. - Task Work Order Proposal
2. Exhibit 2 - Cooper City Hiatus Road and NE Lake Blvd Roundabout Design Fee Breakdown
3. Exhibit 3 - The Corradino Group, Inc. - Conceptual Traffic Calming Exhibit for Roundabout at Hiatus Road and NE Lake Boulevard and AutoTURN Design Vehicle Maneuverability Tracking Exhibits dated 09/14/2022
4. Exhibit 4 - Calvin, Giordano and Associates, Inc. – Hiatus Rd & NE Lake Blvd Traffic Study Dated 5/9/2016

Workflow History



User	Task	Action	Date/Time
Allen, Tedra	NEW ITEM: Not Yet Routed	Route to Purchasing	03/27/24 11:59 AM
Dodgen, Brandon	Assigned to Purchasing	COMPLETE: Forward to City Clerk	03/27/24 02:00 PM
Allen, Tedra	Assigned to City Clerk	Route to Budget	03/28/24 01:45 PM
Nadeau, Mike	Assigned to Budget	COMPLETE: Forward to City Clerk	03/28/24 02:14 PM
	<i>The fiscal impact section of this staff report is correct.</i>		
Allen, Tedra	Assigned to City Clerk	Route to Attorney	03/28/24 04:00 PM
Horowitz, Jacob	Assigned to Attorney	COMPLETE: Forward to City Manager	03/29/24 08:26 AM
Eggleston, Ryan	Assigned to City Manager	COMPLETE: Forward to City Clerk	03/29/24 03:36 PM
Allen, Tedra	Assigned to City Clerk	APPROVE ITEM: End Workflow	04/01/24 05:06 PM
Allen, Tedra	END WORKFLOW - APPROVED		04/02/24 10:07 AM