

# MIAMI BEACH

## COMMISSION MEMORANDUM

TO: Honorable Mayor and Members of the City Commission

FROM: Alina T. Hudak, City Manager 

DATE: October 13, 2021

SUBJECT: **A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF MIAMI BEACH, FLORIDA, APPROVING AMENDMENT NO. 1 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF MIAMI BEACH, FLORIDA AND KIMLEY-HORN AND ASSOCIATES, INC. PURSUANT TO REQUEST FOR QUALIFICATIONS 2015-115-JR FOR PROGRAM MANAGEMENT SERVICES FOR INTELLIGENT TRANSPORTATION SYSTEM AND PARKING MANAGEMENT SYSTEM, EXTENDING THE TERM OF THE AGREEMENT UNTIL SIX MONTHS AFTER THE DATE OF THE CITY'S NOTICE OF FINAL SYSTEM ACCEPTANCE.**

### RECOMMENDATION

The Administration recommends that the Mayor and City Commission approve Amendment No. 1 to the professional services agreement (Agreement) between the City and Kimley-Horn and Associates, Inc. for program management services for the Intelligent Transportation System and Smart Parking System (ITS/SPS) project, extending the term of the Agreement until six months after the date of City's notice of final acceptance of the ITS/SPS project.

### BACKGROUND

The City of Miami Beach continues to be one of the main centers of attraction for events in our region due to its weather, restaurants, nightlife, beaches, people, and the newly renovated Miami Beach Convention Center. Most major events and high impact periods generate significant congestion in the City's roadway network. The adverse traffic conditions are further exacerbated by roadway closures as a result of construction projects. Traffic congestion is one of the principal factors in increasing response times for emergency personnel.

Between 2013 and 2020, the City's Transportation and Mobility Department managed a Traffic Monitoring and Management program through a consultant services contract. The program consisted of the deployment, monitoring, and maintenance of portable travel time data collectors and temporary closed-circuit television traffic monitoring cameras. The consultant would monitor traffic for 14 hours per day, 365 days a year from a remote location and coordinate with the City's traffic management team comprised of Transportation and Mobility Department staff, Police and Fire Department dispatch, and Communications Department staff to ensure that incidents creating congestion were detected and confirmed, and that real-time information was disseminated to the motoring public and community via portable variable message signs and text alerts. Transportation and Mobility Department staff would use the incident information to perform signal timing changes and coordinate with other agencies as needed. It is worth highlighting that the portable variable message signs are owned and managed by the City and the traffic text alerts are managed City staff. In addition to the daily traffic monitoring and management, the program also covered six special events where traffic monitoring and management hours were extended as needed.

The program reduced travel time on all monitored corridors by an average of 18% as compared to pre-program traffic conditions. The program was discontinued in March 2020 due to impacts to the Transportation and Mobility Department's budget as a result of the COVID-19 pandemic.

Given the success of the Traffic Monitoring and Management Program, the City established a goal to pursue a state-of-the-art Intelligent Transportation System and Smart Parking System (ITS/SPS) program, including:

- Traffic monitoring cameras with built-in analytics to collect counts and monitor safety
- Travel time data collection devices to track congestion and predict it before it occurs
- Full color range digital message signs throughout the City to inform motorists of lane closures, congestion, and parking information in real-time
- Traffic volume and speed data collection sensors
- Communication system and dashboard for monitoring and management of all devices and data
- Implementation of a real-time traffic management center to house traffic monitoring and management operators
- Information signs to track garage and parking lot occupancy

Following an industry review meeting, on March 20, 2015, the City issued Request for Qualifications (RFQ) 2015-115-JR to obtain Program Management Services for the ITS/SPS Project. The City Manager selected an evaluation committee including members of the City Transportation and Mobility Department, Parking Department, Public Works Department, Florida Department of Transportation, and a member of the Transportation and Parking Committee. The selection committee convened on June 15, 2015 to consider the proposals and interview the proposers. Following deliberation, the committee selected Kimley-Horn and Associates (KHA) as the most qualified firm to assume this role. This recommendation was endorsed by the City Manager and approved by the City Commission at the July 8, 2015 Commission meeting via Resolution No. 2015-29084.

On October 23, 2015, the City entered into a professional services agreement (Agreement) with KHA for program management services for ITS/SPS. Pursuant to the Agreement, KHA is responsible for:

- Developing Project Plan documents including technical specifications and stakeholder requirements
- Developing Concept of Operations Plan
- Developing a Systems Engineering Management Plan
- Developing Minimum Technical Standards
- Developing project procurement documents for the Design, Build, Operation, and Maintenance (DBOM) solicitation
- Drafting the DBOM contract in collaboration with City staff
- Overseeing negotiations plan with DBOM firm
- Overseeing day-to-day project management duties including design reviews, agency meetings, schedule and budget adherence, etc.
- Serving as the project engineer during the construction to ensure that all construction is being performed in accordance to plan and technical specifications
- Overseeing the system's acceptance and burn-in period process
- Assisting in the occupancy phase following burn-in period with initial review of performance metrics and invoices

The term of the Agreement between the City and KHA is for three (3) years, with two (2) one (1) year renewal options, thus expiring on October 22, 2020. On September 16, 2020, the City Commission authorized a month-to-month extension of the Agreement for a period of one year. As such, **the Agreement with KHA currently expires on October 22, 2021**. The total fee to be paid to KHA pursuant to the Agreement is not to exceed \$2,250,000.

Following execution of the Agreement, the KHA team began working with City departments and external agencies to gather all necessary input to draft the project documents. This input was gathered over the course of 16 steering committee meetings including members of the Police Department, Fire Department, Public Works Department, Information Technology Department, Florida Department of Transportation, and Miami-Dade County Traffic Signals and Signs. The Project Plan, Concept of Operations, Systems Engineering Management Plan, and Minimum Technical Requirements were all approved by the City and external agencies prior to inclusion in the ITS/SPS DBOM procurement documents. In addition to the project documents, KHA also coordinated with the Procurement Department to develop the procurement documents. All documents developed by KHA were included in Request For Proposal (RFP) 2016-199-KB (Phase 1) for an ITS/SPS DBOM contract advertised on September 16, 2016. The Phase 1 selection process included qualifications, experience, and availability of the proposers. Following the short-listing process, KHA collaborated with the Procurement Department and the City Attorney's Office to develop a comprehensive DBOM contract included in Phase 2 of RFP 2016-199-KB released to the short-listed firms on May 8, 2017. On October 18, 2017, the Mayor and City Commission approved the City Manager's recommendation awarding the ITS/SPS DBOM contract to Transcore ITS LLC (Transcore), via Resolution No. 2017-30064.

Following award, KHA assisted the City in a lengthy and intense negotiation process resulting in the execution of a DBOM contract with Transcore on April 16, 2019. **It is worth highlighting that the negotiations headed by KHA and the City team resulted in reductions of 50% in capital costs and 47% in annual operations and maintenance costs without significant modifications to the scope of work.** Further, as part of these negotiations, the City/KHA team included stringent performance penalties related to the operations and maintenance phase to ensure Transcore's services remain high quality and responsive to the City's needs for real-time traffic management and messaging throughout the contract. The term of the contract between the City and Transcore is eight years with one five (5) year renewal at the City Manager's discretion. Thus, **the term of the Program Management Services contract with KHA is shorter and does not align with the longer term of the DBOM contract with Transcore.**

## **ANALYSIS**

Since the execution of the DBOM contract with Transcore, KHA has served as the owner's (City's) representative working on the City's behalf to ensure the ITS/SPS project remains on track in terms of budget, milestones, and deliverables. As the owner's representative, KHA is also responsible for leading all progress meetings, reviewing design plans, coordinating with permitting agencies, reviewing and approving all documents produced by Transcore and required under the contract, coordinating the submission and responses of requests for information (RFI) from Transcore, and reviewing all pay applications submitted by Transcore.

In November 2019, the City Manager directed the Transportation and Mobility Department to temporarily pause the ITS/SPS project in order to explore the feasibility of integrating the communications systems for the ITS/SPS project and the citywide Police camera installation project. Following various coordination meetings, it was determined that the cost to integrate the two communication systems as part of the ITS/SPS project significantly exceeded the funding allocated to the citywide Police camera installation project. Thus, the Police Department chose to not move forward with a change order to Transcore for

the system integration. **The comprehensive evaluation performed by Transcore resulted in a delay of 300 days to the ITS/SPS project. The DBOM contract with Transcore was extended via a change order; however, the Program Management Services contract with KHA was not extended.** A notice of resumption was issued to Transcore on November 20, 2020. Transcore is currently securing construction permits from the City and external agencies. Construction of the ITS/SPS project will commence in late October 2021 and final system acceptance is scheduled to occur in January 2023 following occupancy of the Transportation Management Center.

The key remaining task orders under the scope of services of the Program Management Services Agreement with KHA include construction engineering inspection, occupancy of the Transportation Management Center, and final ITS/SPS system acceptance.

## **CONCLUSION**

The City and KHA entered into an Agreement for Program Management Services for the ITS/SPS project on October 23, 2015. The Agreement will expire on October 22, 2021.

Given the extensive ITS/SPS DBOM procurement process, lengthy DBOM contract negotiations, and subsequent additional delay due to the communication systems integration evaluation, the Agreement with KHA for program management services is expiring prior to the completion of the scope of services and prior to ITS/SPS system acceptance. Given KHA's familiarity with the ITS/SPS project history; system design, operation, and maintenance requirements and specifications; and the City's overall vision for the project, the Administration believes that it would not be advantageous for the City to re-advertise the program management services contract as it would likely result in further delays to ITS/SPS project implementation.

As a result of staff's review, it was determined that most similar program management services contracts are generally termed based on project/system acceptance and not years. As such, the Administration recommends that the Mayor and City Commission approve Amendment No. 1 to the Professional Services Agreement between the City and KHA for ITS/SPS, extending the term of the Agreement until six months after the date of City's notice of final acceptance of the ITS/SPS project.

## **SUPPORTING SURVEY DATA**

According to the 2019 Community Satisfaction Survey, 64% of the residents believe that traffic congestion generated by tourism affects their quality of life.

## **STRATEGIC CONNECTION**

Reduce traffic congestion

## **FINANCIAL INFORMATION**

No fiscal impact.

## **LEGISLATIVE TRACKING**

Transportation and Mobility

## **ATTACHMENTS**

Attachment: Amendment No. 1 to the Professional Services Agreement between the City of Miami Beach, Florida and Kimley-Horn and Associates, Inc