



City of Hallandale Beach City Commission Agenda Cover Memo

Meeting Date:	File No.:	Item Type:	1 st Reading	2 nd Reading
8/5/2026	26-285	☒ Resolution ☐ Ordinance ☐ Other	Ordinance Reading	N/A
			Public Hearing	☐
			Advertising Required	☐
			Quasi-Judicial:	☐
Fiscal Impact (\$):	Account Balance (\$):		Funding Source:	Project Number:
\$72,750	\$0.00		4951-564070	N/A
Contract Required:	P.O. Required:	RFP/RFQ/Bid Number:	Sponsor Name:	Department:
☒ Yes ☐ No	☒ Yes ☐ No	N/A	Michel Michel, Police Chief	Police Department
Strategic Plan Focus Areas:				
☒ Fiscal Stability	☐ Resident Services	☒ Public Safety	☐ Infrastructure & Mobility	☐ Economic Development & Affordable Housing
Implementation Timeline:				
Estimated Start Date: 8/5/2026			Estimated End Date: 8/5/2029	

SHORT TITLE:

A RESOLUTION OF THE MAYOR AND CITY COMMISSION OF THE CITY OF HALLANDALE BEACH, FLORIDA AUTHORIZING A THREE-YEAR (3) AGREEMENT FOR LICENSE PLATE READERS FOR THE CITY'S PARKING ENFORCEMENT PROGRAM WITH GTECHNA USA CORPORATION, INCLUDING TRIAL PERIOD, FOR A NOT TO EXCEED AMOUNT OF SEVENTY-TWO THOUSAND, SEVEN HUNDRED AND FIFTY DOLLARS (\$72,750); AND PROVIDING AN EFFECTIVE DATE.

STAFF SUMMARY:

Summary:

Staff seek City Commission approval to enter into an agreement with GTechna USA Corporation for license plate reader services. This agreement will replace the current License Plate Reader (LPR) server at South City Beach with a SENSEN AI-Edge server.

The agreement will begin with a non-binding 90-day preliminary pilot program intended to confirm system performance and effectiveness. Upon successful completion of the pilot

program, the Police Department requests authorization to proceed with a three-year agreement in an amount not to exceed \$72,750.

Background:

The city currently operates a remote parking enforcement system using LPRs at the entrance and exit of the North and South City Beach parking lots. On May 17, 2023, the City Commission approved Resolution No. 2023-044 (Exhibit 4) to enter into a five-year agreement with GTechna USA Corporation. The GTechna software allowed the Parking Enforcement Unit full control over the payment and appeals process to include citation issuance, payment processing, management of scofflaw violators, scheduling of special magistrate, issuance of booting/towing, and access to all historical parking data. The non-stop enforcement provides the Parking Enforcement Unit with the tools needed to automate ticket processing while generating revenue to support economic initiatives and provide better service to those who live, work, and visit the City of Hallandale Beach. The system, which was installed in November 2024, uses older technology and is not consistently capturing license plates, resulting in missed parking activity and lost revenue.

Despite these limitations, the LPR system has supported an automated citation process by allowing parking activity to be monitored and always enforced without requiring constant on-site staff presence. This operational benefit allows the Parking Enforcement Unit to redirect personnel to other areas of the city, increasing overall enforcement coverage and helping ensure parking compliance.

Current Situation:

Following an audit of the remote parking enforcement system and reconciliation of parking transactions, staff determined that the current system is missing a significant number of license plate reads. These missed reads limit the Parking Enforcement Unit's ability to accurately reconcile parking activity with revenue collections, verify system performance, and maintain consistent revenue compliance monitoring. Based on the audit, the existing system fails to capture approximately 15% of vehicle activity, resulting in an estimated loss of \$4,500 per month in potential parking revenue.

To address these limitations, GTechna USA Corporation has proposed replacing the existing server with a SENSEN AI-Edge server. The proposed solution is a high-performance edge computing device designed to process LPR data directly at the camera level rather than relying primarily on centralized cloud processing. By performing artificial intelligence (AI)-based analytics at the edge, the server is expected to significantly improve license plate capture accuracy, reduce processing latency, and provide faster and more reliable plate recognition.

The AI-Edge server will further enhance system performance by reducing false plate reads, improving vehicle detection during challenging adverse weather conditions, and maintaining consistent performance during periods of high traffic volume. Edge-based processing also reduces network bandwidth requirements and minimizes system downtime, resulting in fewer unmatched entry and exit records, more accurate parking transactions, and improved overall parking enforcement operations.

Additionally, the AI-Edge server is designed to continue operating during temporary internet outages by securely storing all LPR data locally until connectivity is restored. This capability helps ensure continuity of operations and prevents the loss of critical parking and enforcement data.

The proposed agreement includes a non-binding 90-day pilot program to validate system performance under actual operating conditions. If the pilot demonstrates the anticipated improvements in license plate capture accuracy, operational reliability, and revenue recovery, staff recommends executing a three-year add-on agreement with GTechna USA Corporation for the permanent replacement of the existing LPR server and related services at South City Beach. The initial term of the agreement would commence on August 5, 2026, and expire on August 5, 2029.

Why Action is Necessary:

Pursuant to Code of Ordinances, in accordance with Procurement Code Section 23-10, Exception to competitive solicitation requirements, (4) Best interest of city, Where the city commission declares by majority vote that the process of competitive solicitations is not in the best interest of the city and the reasons therefore, for example, if the City elects to conduct a limited time pilot to test the viability and impacts of a program, or ratification of expenditures made contrary to the requirements stated herein.

Cost Benefit:

The replacement LPR server is expected to improve license plate read accuracy, enabling the Parking Enforcement Unit to recover parking revenue currently lost due to unread license plates while enhancing the City's ability to reconcile parking activity with revenue collections and strengthen overall revenue compliance. Based on an estimated annual revenue loss of approximately \$58,677 under the current system, the proposed three-year agreement, in an amount not to exceed \$72,750, is expected to provide a positive return on investment by substantially offsetting its cost through increased revenue capture and improved operational efficiency.

PROPOSED ACTION:

Staff recommends the City Commission consider and approve the attached Resolution.

ATTACHMENT(S):

Exhibit 1 – Proposed Resolution
Exhibit 2 – GTechna LPR Agreement
Exhibit 3 – GTechna LPR SOW
Exhibit 4 – Resolution 2023-044

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