



REPORT FOR ACTION

Contract Award – Distributed Antenna System Cell Phone Repeater

Date: September 25, 2025

To: Board of Directors, Toronto Parking Authority

From: President, Toronto Parking Authority

Wards: All

SUMMARY

This report seeks the approval of the Board of Directors of Toronto Parking Authority (TPA) to award a contract for the implementation of new inbuilding Distributed Antenna System (DAS) cell phone repeater systems at the following eight (8) car parks:

- Car Park 13: 20 Delisle Avenue
- Car Park 36: 110 Queen Street West
- Car Park 42: 91 Via Italia
- Car Park 49: 30 Roehampton
- Car Park 52: 40 York Street
- Car Park 58: 9 Bedford Road
- Car Park 125: 323 Richmond Street East
- Car Park 261: 45 Abell Street

This initiative is part of the TPA's ongoing commitment to deliver a superior customer experience in our parking facilities, emphasizing convenience, reliability, and operational excellence. Site selection was based on comprehensive signal strength assessments conducted in Q4 2024, which identified locations with average signal levels below -105 dBm, supplemented by customer feedback and operational requirements.

This initiative represents a continuation of the DAS Cell Phone Repeater project initiated under RFP-IT-202405-01, for which the TPA Board previously approved a contract award for the implementation of DAS solutions at four (4) car parks at its meeting in July 2024. This phase is currently in the final stages of implementation and is scheduled to be activated before the end of 2025.

The current project expands the program to eight (8) additional locations, which will directly address suboptimal cellular coverage (-115 dBm) within these eight underground facilities, resulting in persistent connectivity issues for customers, parking equipment, and staff. By significantly (-75 dBm) enhancing signal strength and reliability, the project will

resolve these challenges and, consistent with TPA's safety-first philosophy, materially strengthen the safety and security environment for all facility users. The enhanced connectivity will also facilitate integration of the Green P App with gated equipment at these locations, thereby broadening payment options and supporting TPA's digital objectives.

The recommendations in this report are the result of a Request for Proposals (RFP) process that commenced on March 21, 2025. Through a comprehensive evaluation of proposals received, it is recommended that a contract, in an amount not exceeding \$4,218,077.90, excluding Harmonized Sales Tax (HST), inclusive of a 15% contingency, for the DAS cell phone repeater Project be awarded to Rogers Communications Canada Inc.

RECOMMENDATIONS

The President, Toronto Parking Authority recommends that:

1. The Toronto Parking Authority Board of Directors provide authority to the President, Toronto Parking Authority, to negotiate, enter and execute a contract with Rogers Communications Canada Inc., to deliver the DAS Cell Phone Repeater Project (RFP-ITDAS-202503-01), in an amount not exceeding \$4,218,077.90, inclusive of contingency but excluding Harmonized Sales Tax (HST).

FINANCIAL IMPACT

Sufficient funding is included in TPA's Approved 2025 – 2027 Capital Budget to award a contract in an amount not exceeding \$4,218,077.90 (excluding HST), including a contingency amount of \$550,184.07, to Rogers Communications Canada Inc. to deliver the DAS Cell Phone Repeater Project.

COMMENTS

Cellular coverage within TPA's underground parking garages is currently suboptimal, resulting in ongoing connectivity issues for customers, parking IT equipment, and staff. To enhance the customer journey—focusing on choice, ease, and speed—Management proposes targeted investments in DAS infrastructure across the eight (8) identified car parks.

Deploying a DAS system is anticipated to deliver substantial improvements in signal quality and coverage, enabling uninterrupted voice and data service throughout the garages. This enhanced connectivity is crucial for supporting emergency communications and operational reliability, thereby reinforcing TPA's safety and service commitments. The improved cellular environment will also enable integration of the Green P App with gated facilities, reducing reliance on pay machines, mitigating queues, and saving time for customers. The infrastructure is designed to deliver consistent indoor signal performance

and improved service at facility entry and exit points, raising the overall safety and security posture across these locations.

The Phase 1 implementation, approved by the Board in July 2024 for four car parks, has progressed through the design and equipment procurement stages and is currently in the installation phase at all four locations. While comprehensive performance metrics will be available following system activation scheduled for December 2025, the implementation process has confirmed several critical planning assumptions that inform the current Phase 2 proposal. The site assessment methodology developed during Phase 1, which combines professional signal strength measurements with operational requirements analysis, has proven effective in identifying locations where DAS infrastructure will deliver meaningful improvements. Additionally, the project team has established standardized installation protocols that minimize disruption to parking operations and reduce implementation timelines, efficiencies that will be applied to the eight Phase 2 locations.

The recommendations of this report are the product of an RFP that was publicly issued on MERX on March 21, 2025. Upon the RFP close on May 16, 2025, TPA received four (4) qualified bids from Cartel Communication Systems Inc., Genwave Technologies Inc., Rogers Communications Canada Inc. and Linkwave Wireless Solutions Inc.

Based on a comprehensive evaluation of the bids by TPA's Evaluation Committee, which considered the technical proposals, bid pricing, ability to complete the work within the prescribed timeframe, and recent project history, Management is recommending that the contract for the DAS Cell Phone Repeater Project (RFP-ITDAS-202503-01) be awarded to Rogers Communications Canada Inc.

While Linkwave Wireless Solutions achieved the highest technical score, their proposed cost significantly exceeded the project budget and other qualified bidders. Rogers Communications Canada Inc. presented a strong technical proposal, backed by proven experience in similar implementations, and offered the most competitive pricing, resulting in the highest overall score and best value for the TPA.

The selection was guided by the technical proposal evaluation, fee evaluation, adherence to submission requirements, and acceptance of the terms and conditions noted in the RFP. A summary of the scoring and costs for the base scope is included in Table 1 below.

Table 1: Summary of Bids Received (RFP-ITDAS-202503-01 - DAS Cell Phone Repeater)

	Company	Phase 1: Mandatory Submission Requirements	Phase 2: Technical Submission Score (Out of 75)	Phase 2: Technical Submission Result	Phase 3: Financial Score Total Proposal Cost	Phase 3: Financial Score (Out of 25)	Total Score (Out of 100)
1	Rogers Communications Canada Inc.	Passed	63	Passed	\$3,667,893.83	25	88
2	Genwave Technologies Inc	Passed	60	Passed	\$3,947,319.10	23.23	83.23
3	Cartel Communication Systems Inc	Passed	61	Passed	\$4,381,676.13	20.92	81.92
4	Linkwave Wireless Solutions Inc.	Passed	67	Passed	\$10,960,785	8.36	75.36

Should the TPA Board of Directors adopt the recommendations of this report, Management will negotiate and execute a contract with Rogers Communications Canada Inc. to deliver the DAS Cell Phone Repeater Project. Implementation is expected to be completed by the third quarter of 2027. The implementation timeline reflects the phased approach required for eight locations, including site-specific design, equipment procurement, coordination with parking operations to minimize service disruption, testing and commissioning, and integration with existing systems.

DECISION HISTORY

PA10.10 - Contract Award - Distributed Antenna System Cell Phone Repeater
[Agenda Item History - 2024.PA10.10](#)

CONTACT

Gurvinder Gill,
Chief Information Officer
Toronto Parking Authority
(437) 998-4173, Gurvinder.Gill@greenpmobility.com

SIGNATURE

W. Scott Collier,
President
Toronto Parking Authority