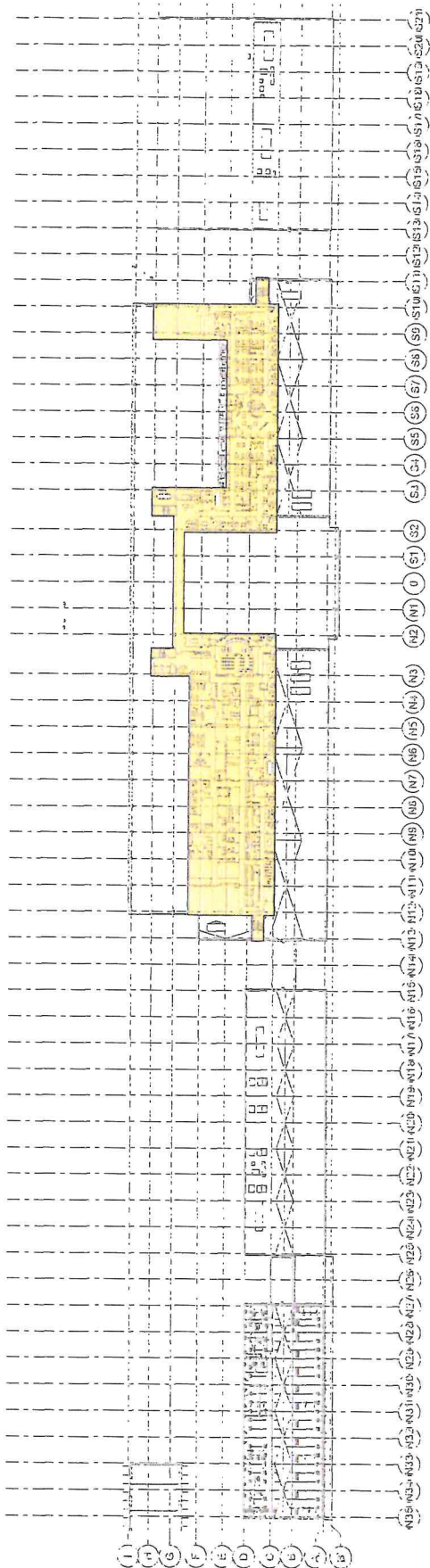


Exhibit C: DAS & Wi-Fi Coverage Areas

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TYLER KELLY

Date of issue: 08/01/2024

DATE 06/01/2024	DRAWN BY TK	DRAWING NO. T11-C	TER



1 LEVEL 2 - AIRPORT WIFI COVERAGE PLAN
1" = 50'-0"

[illegible]

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TERMINAL BUILDING
BURBANK RPT
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Burbank, CA 91505

SHEET TITLE:
LEVEL 2 - AIRPORT WIFI
COVERAGE PLAN

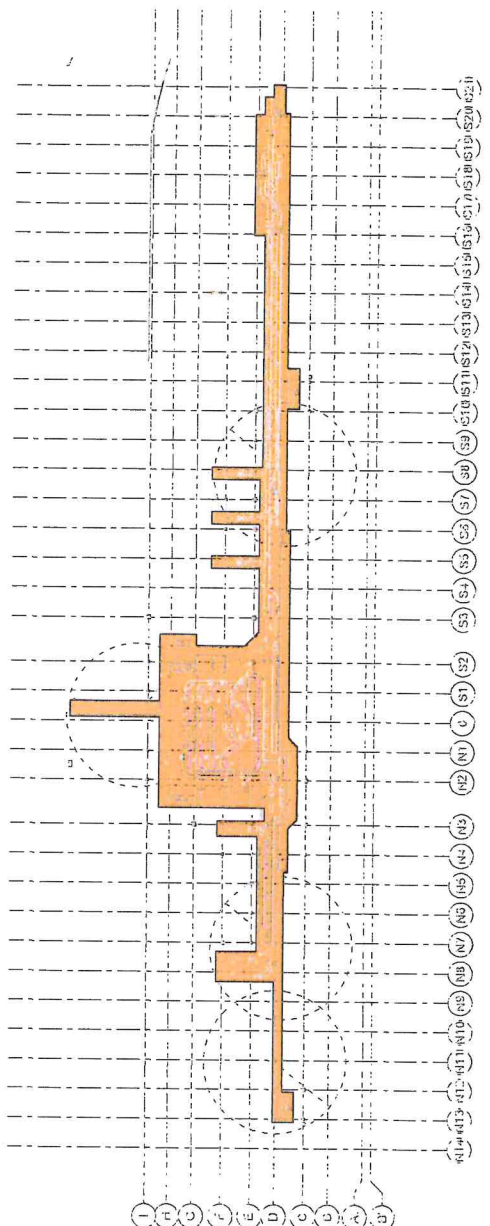
WAFER COVERAGE	WAFER COVERAGE LEGEND	SIGNAL STRENGTH
	HIGH DENSITY	-40 dBm
	MEDIUM DENSITY	-55 dBm
	LOW DENSITY	-70 dBm

GENERAL SHEET NOTE.

1. ALL WFI CABLES ARE TO BE C
2. ALL VOFI ANTENNAS REQUIRE SAUTP CABLES

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Date of issue:



1 LEVEL B1 - AIRPORT WIFI COVERAGE PLAN
1" = 50'-0"

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GENERAL NOTES:
1. ALL INFORMATION TO BE OBTAINED FROM THE ARCHITECT'S RECORD DRAWINGS.
2. ALL INFORMATION TO BE OBTAINED FROM THE ARCHITECT'S RECORD DRAWINGS.

This document was prepared by Tyler Kelly
TYLER KELLY

This document is acceptable and ready for construction.
Date of Issue: 08/01/2021

DATE: 08/01/2021
DRAWN BY: TK
CHECKED BY: HF

SHEET TITLE:
LEVEL 1 - PUBLIC WIFI
COVERAGE PLAN

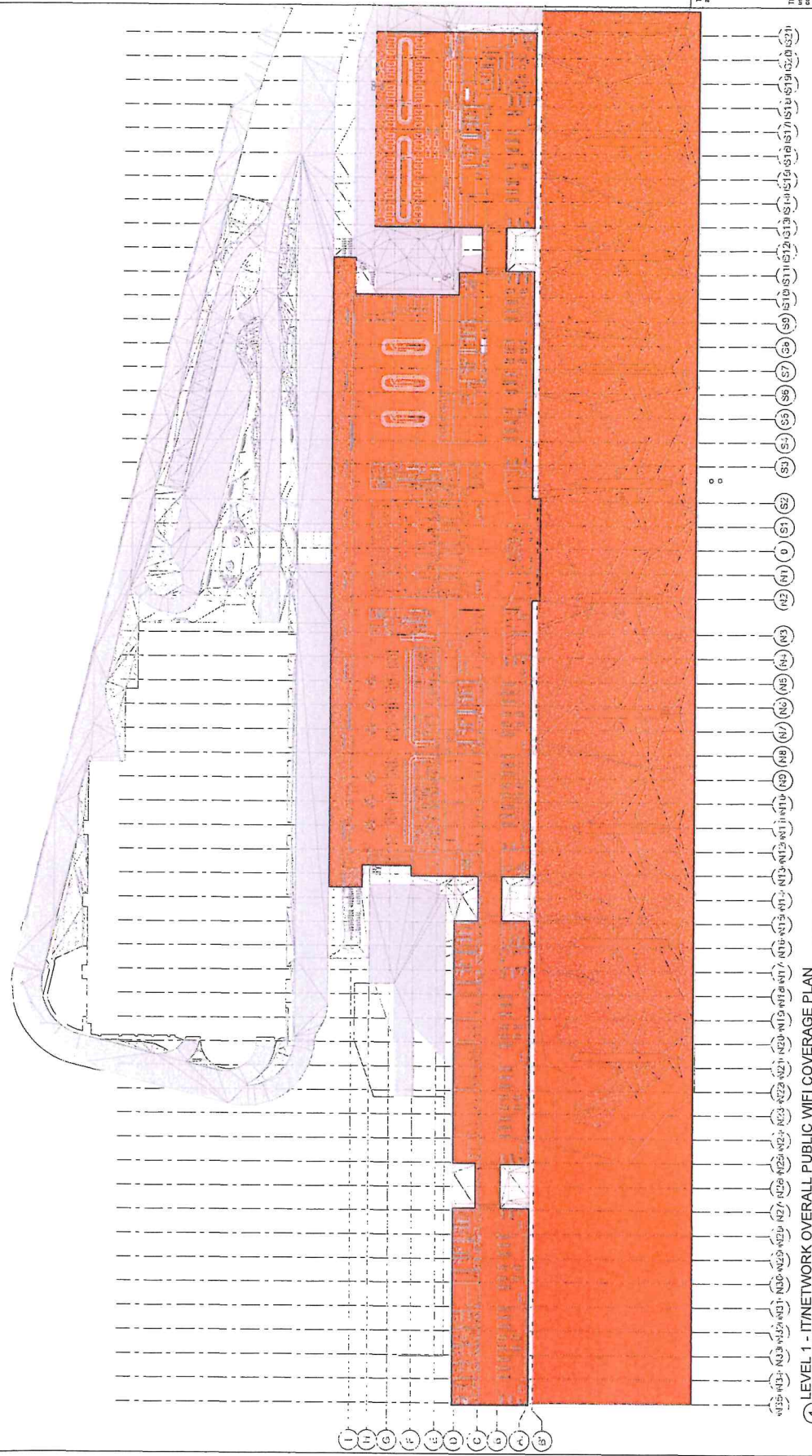
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REVISIONS	ISSUES
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3	80% SCHEMATIC DESIGN
4	80% SCHEMATIC DESIGN
5	80% SCHEMATIC DESIGN
6	80% SCHEMATIC DESIGN

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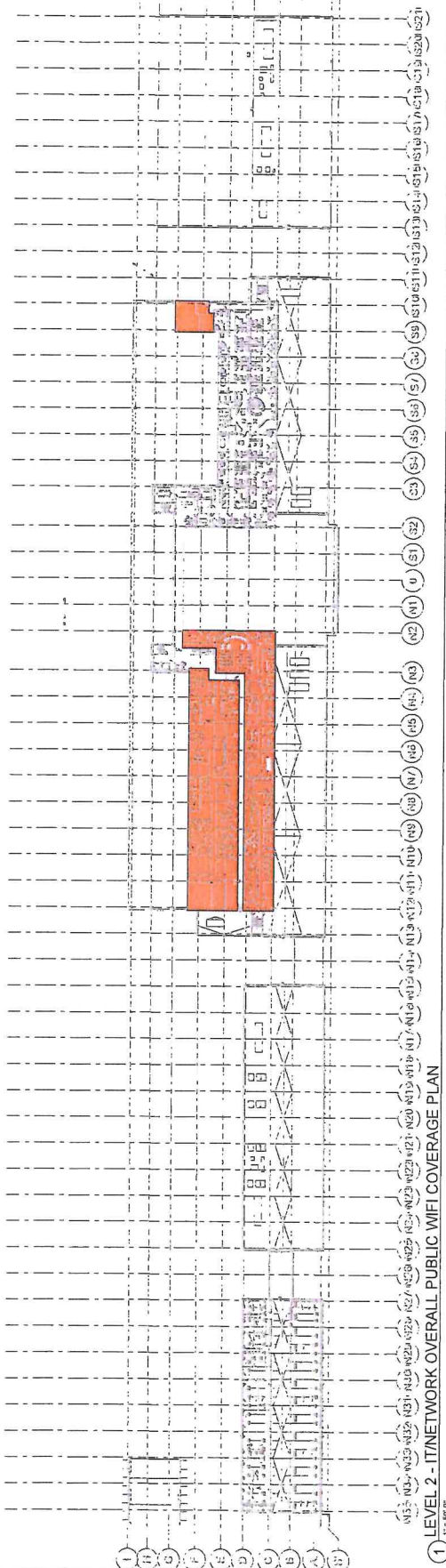


1 LEVEL 1 - IT/NETWORK OVERALL PUBLIC WIFI COVERAGE PLAN

1" = 50'-0"

GENERAL SHEET INDEX:
1. ALL WIFI CHANNELS TO BE ON
2. ALL WIFI CHANNELS TO BE ON
3. ALL WIFI CHANNELS TO BE ON

PUBLIC WIFI COVERAGE
AREA



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signature of the reviewer
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LEVEL 2 - PUBLIC WIFI
COVERAGE PLAN

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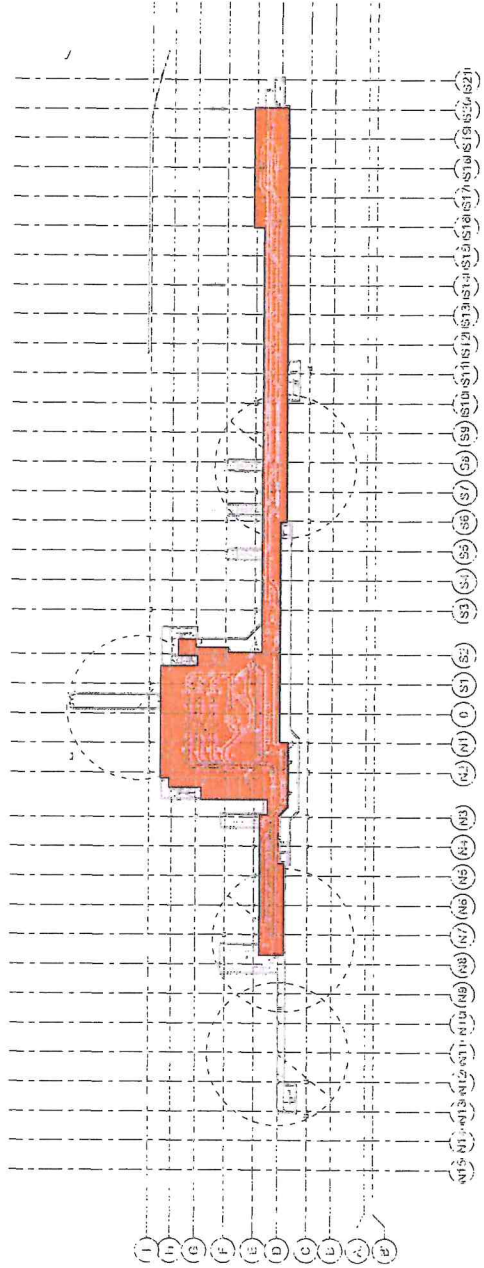


Hollywood
Burbank
Airport

REVISIONS	DATE	ISSUES
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5	08/01/2024	PPA PROCESS PRINT
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8	08/01/2024	PPA PROCESS PRINT
9	08/01/2024	PPA PROCESS PRINT
10	08/01/2024	PPA PROCESS PRINT

GENERAL INSTRUCTIONS:
1. ALL DIMENSIONS ARE TO FACE UNLESS NOTED OTHERWISE.

PUBLIC WIFI COVERAGE AREA



1 LEVEL B1 - IT/NETWORK OVERALL PUBLIC WIFI COVERAGE PLAN
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TK	HP
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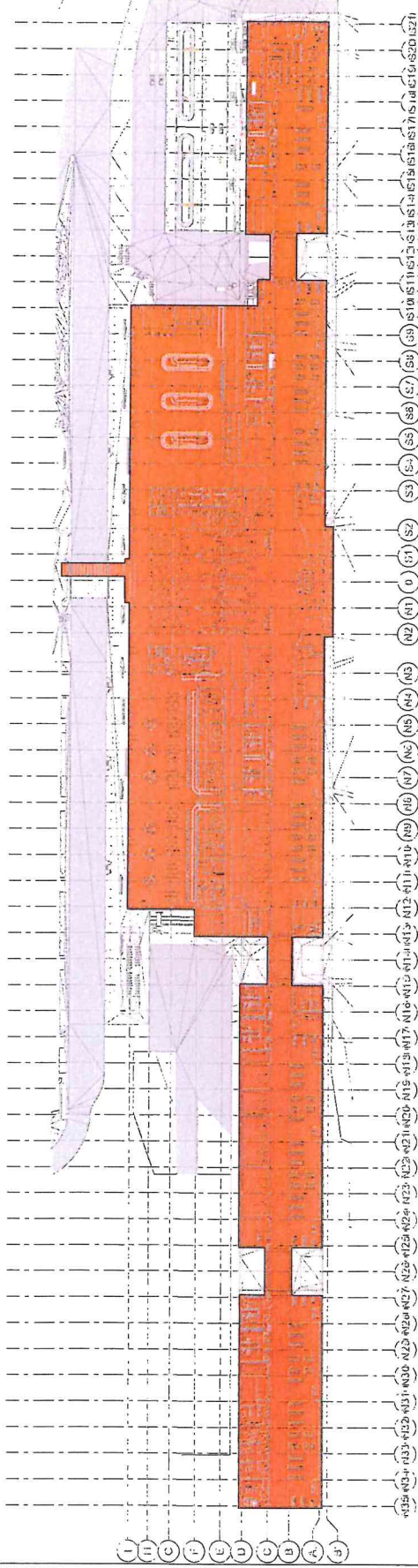
TERMINAL BUILDING
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Burbank, CA 91505

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REVISIONS	DATE	ISSUES
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9	08/01/2024	80% DESIGN DEVELOPMENT
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11	08/01/2024	100% DESIGN DEVELOPMENT

CELLULAR WIRE
COVERAGE AREA



1 LEVEL 1 - IT NETWORK OVERALL ERRCS COVERAGE PLAN
1" = 50'

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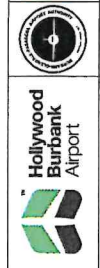
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DATE	DRAWING
08/01/2024	T11
DRAWN BY	CHECKED BY
TK	TK

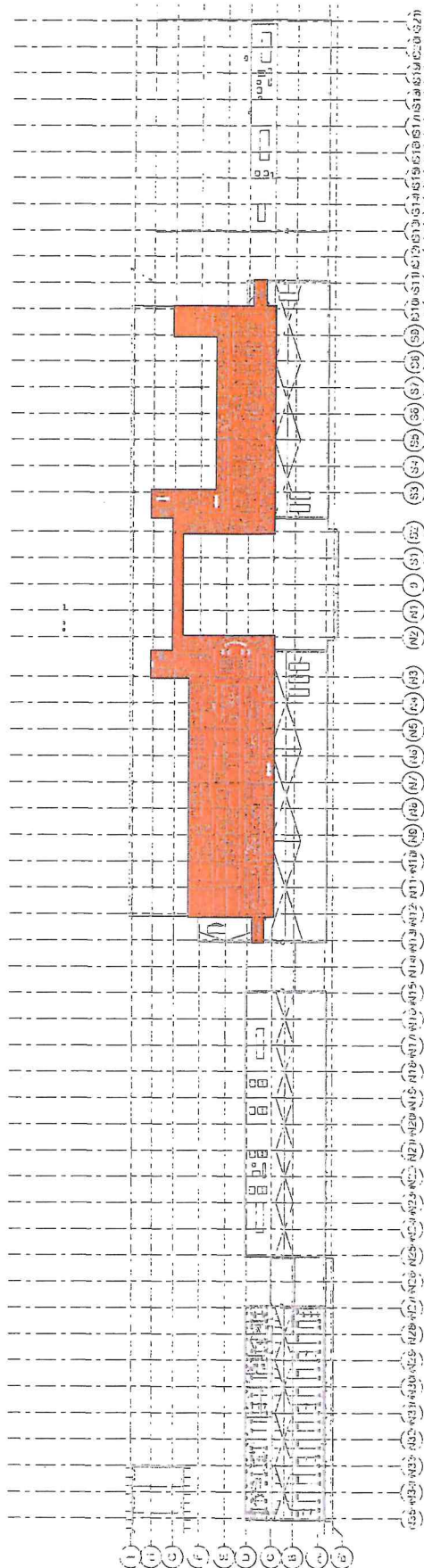
SHEET TITLE:
LEVEL 1 - ERRCS COVERAGE
PLAN

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BURBANK RPT
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REVISIONS	ISSUES
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7	100% DESIGN DEVELOPMENT
8	100% DESIGN DEVELOPMENT



1 LEVEL 2 - IT/NETWORK OVERALL ERRCS COVERAGE PLAN

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SHEET TITLE:
LEVEL 2 - ERRCS COVERAGE
PLAN

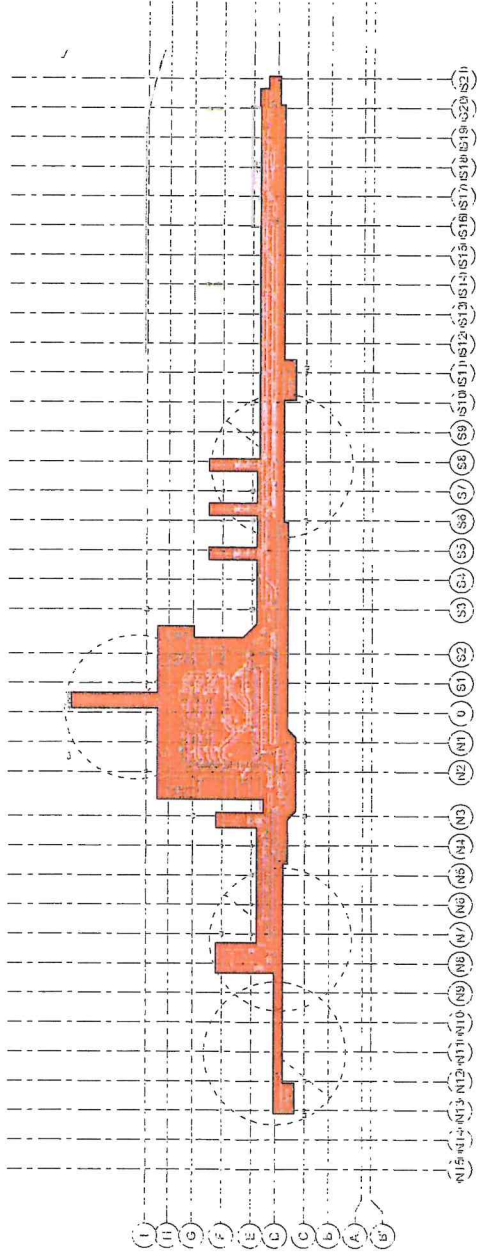
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CELLULAR DUE
COVERAGE AREA



1 LEVEL B1 - IT/NETWORK OVERALL ERCS COVERAGE PLAN
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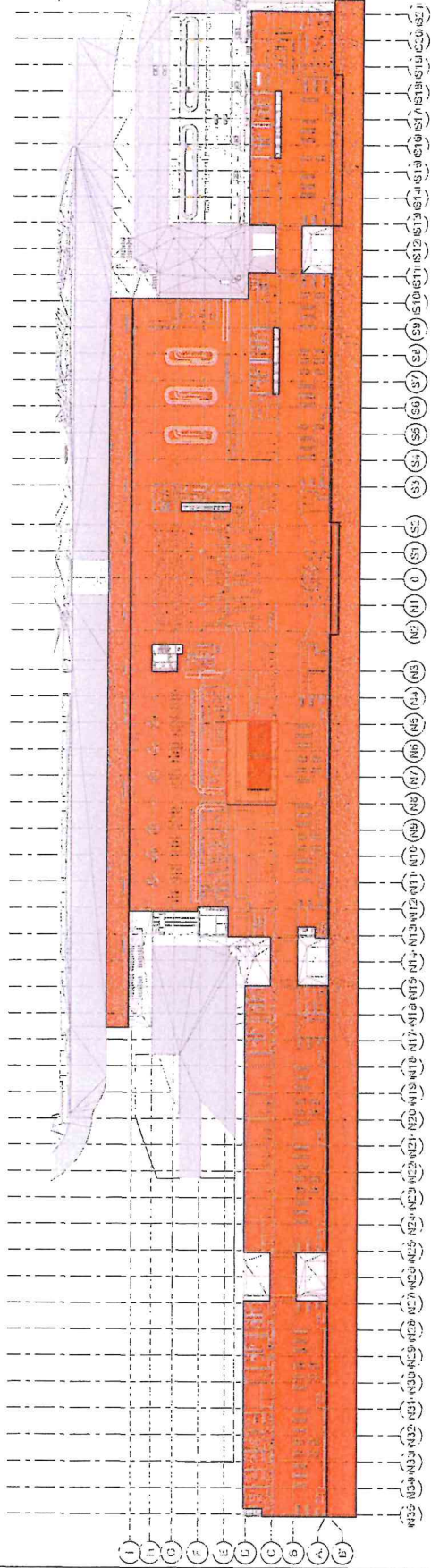
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or construction.
Date of issue:
08/01/2024

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DATE 08/01/2024		DRAWING T11	
DRAWN BY TK		CHECKED BY HF	
Date of issue: 08/01/2024		TE	

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1 LEVEL 1 - IT NETWORK OVERALL CELLULAR DAS COVERAGE PLAN

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08/01/2024	T11
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TK	TK

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COVERAGE PLAN

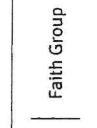
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REVISIONS	ISSUES
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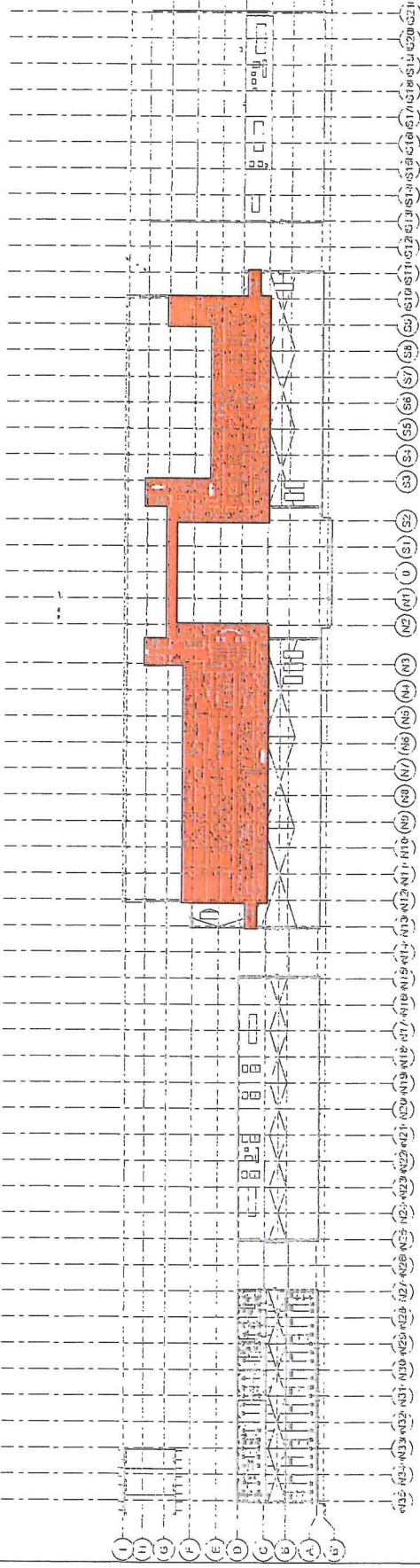
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SHEET TITLE:
LEVEL 2 - CELLULAR DAS
COVERAGE PLAN

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08/01/2024	TK	HF	08/01/2024	TK	HF



1 LEVEL 2 - IT/NETWORK CELLULAR DAS COVERAGE PLAN
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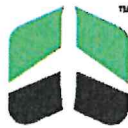
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Date of issue:
08/01/2024

CELLULAR DAS
COVERAGE PLAN

Exhibit D: DAS Scope of Services



Hollywood Burbank Airport

NOTE TO RESPONDENTS: This document presents the proposed Scope of Work for the selected Respondent (Concessionaire) for the services specified in the Burbank-Glendale-Pasadena Airport (Authority) Cellular Carrier Neutral Host Distributed Antenna System RFP. The Authority reserves the right to modify this scope of work during contract negotiations. Respondents must outline their approach to delivering the specified services, meet the minimum requirements outlined, and provide details of experience fulfilling similar requirements.

EXHIBIT A – SCOPE OF WORK

A-1 Purpose: The journey to great travel experiences begins upon passengers' arrival at the airport. To ensure memorable journeys and showcase the economic and residential growth of the Southern California area, the Authority has initiated a new Replacement Passenger Terminal (RPT) project. This project aims to deliver a modernized facility enhancing passengers' experiences. A significant aspect impacting the passenger experience is quality Cellular coverage. The Authority is soliciting a qualified third party operator, or lead carrier, known as the "Concessionaire," proficient in delivering a Cellular Carrier Neutral Host Distributed Antenna System (DAS), with the goal of providing cellular network coverage within designated areas within the RPT. The Authority invites qualified firms to submit a written proposal based on the guidelines and requirements described herein and in exhibits. The solution shall enhance connectivity and communication for passengers, tenants, and other stakeholders all while strictly adhering to established airport security protocols of a Southern California airport, supporting the 2028 Olympic and Paralympic Games.

This document intends to provide Respondents with relevant context, background, and requirements. This document supersedes any previous conversations Respondents may have had with the Authority regarding this procurement process, unsolicited proposals for similar services to the Authority, and previous procurement events in relation to the same or similar services. This scope of work excludes Public Safety/Emergency Responder DAS.

A-2 Scope of Work Responsibilities, Services, and Deliverables: In accordance with the Design Documents provided in Exhibit H and Construction Schedule provided in Exhibit G, the Concessionaire will be responsible for designing, coordinating, constructing, installing, implementing, testing, operating, maintaining, and managing the Cellular DAS at the RPT. All references to the "Coverage Area" include the entire RPT, and the new Parking Garage. It is anticipated that Cellular DAS will be required in the parking garage to support communications for EV Chargers and to provide an elevated passenger experience.

****Important to note:** At this time, there is not a Cellular DAS Design incorporated into the parking garage. A forthcoming addendum will be issued clarifying the planned antenna locations in the parking garage.

Key scope items include, but not limited to:

Design

1. Provide a Cellular DAS solution that provides cellular capacity and quality coverage for the Users. It should be adequate to support all operations, passengers, tenants, airlines, and other stakeholders requiring cellular connectivity within the facility.
2. Exhibit H contains the design documents and details for the required Coverage Area. The Respondent must review the RPT coverage area and supply all components necessary for a fully functional Cellular DAS system in its proposal. This includes, but is not limited to, antennas, cabling, connectors, racks, head-end equipment, and remote units.
3. DAS Equipment rooms: Develop designs to accommodate both wireless carrier equipment and neutral host equipment within the designated Cellular DAS room on level 2. Identify other locations (such as additional IDFs, or back-of-house areas) where equipment will be required for the Cellular DAS. Given the anticipated constraints on space within the Telecom closets (IDF Closets) throughout the airport, if additional locations cannot be supported as part of the base building infrastructure (additional power, cooling, space, rack requirements) the Respondent shall include in Exhibit C – Pricing Structure the proposed funding mechanism to make necessary building modifications to support the Neutral Host system. Respondents shall assume that the existing Cellular DAS/Radio Room headend location on level 2 will be the only large room available at the airport that can host centralized Cellular equipment.
4. Antenna Locations and Infrastructure: The design drawings must include pathways provided by the project for use by the Concessionaire. The Concessionaire shall design a Cellular DAS system utilizing the cable tray infrastructure provided as part of the RPT project. For antenna locations where a cable tray is not present or the pathway is not specified, the Concessionaire is responsible for providing the necessary cable pathway.
5. The Concessionaire shall provide detailed iBwave heatmaps to illustrate and validate the design coverage area of the Cellular DAS. Heatmaps must accurately depict 99% coverage of the wireless signal coverage throughout the designated areas, meeting the coverage requirements and specifications of all Carriers involved.
6. The Concessionaire shall provide iBwave design files for validation.
7. Adequate Coverage is defined per band by the carrier for 99% of the Coverage Area. No areas within the Coverage Area may be completely excluded from coverage.
8. Any deficiencies resulting in less than 99% coverage will be the responsibility of the Concessionaire to correct.
9. Propose an integration of Carrier-required cellular bands and C bands with an option of 5G mm-wave to prepare for evolving communication needs.
10. The design of the Cellular DAS system will be subject to the Authority review and approval before the commencement of construction.
11. Include 100% spare fiber to all remote locations.
12. The Respondent shall forecast user density and data traffic, ensuring ample capacity, especially during peak holiday periods.
13. Provide Cellular connectivity to the EV chargers in the parking garage for secure transactions.
 - a. Establish stable and robust cellular network coverage for all EV charging stations to ensure uninterrupted communication.
 - b. Implement secure protocols and encryption to safeguard payment data and protect against unauthorized access during transactions.
 - c. Ensure compatibility with the current network architecture, including seamless integration DAS systems.

- d. Design the cellular network to support future expansion, allowing for additional EV chargers to be added without compromising performance.
- e. Adhere to industry standards and regulations for secure payment processing and data protection, including PCI DSS compliance.

Cellular DAS Coordination

1. The Concessionaire shall coordinate with the DB Contractor on all coordination items including but not limited to space, power, data, racking, sleeves, cooling, pathways, and scheduling.
2. The Concessionaire shall provide the coordination of the final location of all field devices.
3. The Concessionaire shall identify incoming provider pathways for fiber optic cabling if deemed necessary.
4. The Concessionaire will be solely responsible for negotiating and coordinating all legal requirements, technical requirements, utility costs, and financial obligations with each of the Cellular Carriers.
5. The Concessionaire shall coordinate with Carriers including AT&T, Verizon, and T-Mobile to negotiate and maintain the User agreements between the Carriers and the Authority.
6. The Concessionaire must initiate requests for wireless Carriers' tenancy within one month of contract award.
7. The Concessionaire shall ensure compliance with the carriers to the agreed upon terms and conditions for the utilization of service and clearly outline in the proposal the approach to ensuring compliance.
8. The Concessionaire must coordinate with the Authority and the DB Contractor to meet the construction timetable and related work zones.
9. The Concessionaire must coordinate with the Authority, the DB Contractor, and Carriers for phasing, temporary distribution/equipment, cutover, and implementation.
10. The Concessionaire will implement a scalable Cellular DAS solution that can accommodate future technological advancements and higher user demands, allowing for quick and cost-effective adaptation to new radio frequency bands required by Cellular Carriers.
 - a. Prepare a one-year lookahead roadmap for the Airport, detailing anticipated technology improvements, Cellular DAS changes, carrier updates, and impacts on the airport facility.
11. Implement a scalable solution that can accommodate future technological advancements and higher user demands. The architecture of the Cellular DAS will allow for quick and cost-effective adaptation to new radio frequency bands that Carriers require in the future.
12. The Concessionaire shall initiate a conversation between the Public Wi-Fi Concessionaire and the Authority to discuss the possibility regarding revenue generating from Wi-Fi data offloading.

Construction

1. The Concessionaire shall contract with a local electrical (EC) or low voltage contractor (LVC) for the construction of the approved design. The Concessionaire shall explore the use of onsite EC or LVC for construction efficiency.
2. Refer to the scope delineation in the design drawings. In cases of scope gaps between the DB Contractor and the Concessionaire, the Concessionaire shall be responsible for furnishing all labor and materials for a complete and working Cellular DAS system.

3. The Concessionaire shall be responsible for performing work in compliance with Exhibit G - Construction schedule.

Installation

1. The Concessionaire shall furnish, install, and configure all headend equipment and software including, management/administrative software, software licenses, and components that serve the purpose of performing system-wide coordination, monitoring, data processing, and system settings. This includes but is not limited to:
 - a. Base station interface, head-end units, remote units, and donor antennas.
 - b. The installation of omni or directional antennas, coaxial splitters, combiners, and filters as needed for system functionality.
 - c. Racks and cabinets for head-end equipment and providers.
 - d. Coax, coaxial jumpers, fiber, and fiber jumpers.
 - e. Concessionaire shall provide all new fiber for the project.
2. The Concessionaire is responsible for all cabling required for the connection of field devices that fall under the Concessionaire scope of work.
3. The Concessionaire is responsible for labelling all field equipment and associated cabling.
4. The Concessionaire shall furnish equipment and materials of the quality from the manufacturer specified in the proposal.
5. Propose a solution that complies with all codes, ordinances, regulations, and any other legal requirements of public authorities which will bear on the implementation of work for the project. Including but not limited to:
 - a. National Electric Code (NEC).
 - b. Code of Federal Regulations (CFR) [Telecommunications] Title 47 Part 15.
 - c. Code of Federal Regulations (CFR) [Telecommunications] Title 47 Part 22.
 - d. Code of Federal Regulations (CFR) [Telecommunications] Title 47 Part 90.
 - e. Association of Public Safety Communications Officers (APCO) "Avoiding Interference between Public Safety Wireless Communications Systems and Commercial Wireless Communications Systems at 800 MHz".
 - f. ANSI/TIA/EIA-568-B Commercial Building Telecommunications Wiring Standards.
 - g. ANSI/TIA/EIA-569-A Commercial Building Standard for Telecommunications Pathways and Spaces.
 - h. ANSI/TIA/EIA-606 Administration Standard for the Telecommunications Infrastructure of Commercial Buildings.
 - i. ANSI/TIA/EIA-607-Commercial Building Grounding and Bonding Requirements for Telecommunications.
6. It is the responsibility of the Concessionaire to ensure adherence to the latest versions of applicable codes and standards.
7. Install equipment and materials in a neat and orderly manner, in accordance with accepted industry practices, by competent technicians.
8. Ensure that Cellular DAS equipment installation in assigned RPT rooms is consolidated within a rack or cabinet as much as possible to maximize the use of the limited space available.
9. Install coaxial cable and coax jumpers in a manner to keep their length to a minimum between the fixed equipment on both ends.
10. The Concessionaire shall not damage existing fiber, cable, or other equipment from any installation work performed directly by the Concessionaire or by one of its contractors or subcontractors. Special care must be taken when installing new fiber or cable in existing pathways or conduits. Concessionaire shall be responsible for fixing, restoring, or

remediating any issues or damage it causes to existing RPT systems or infrastructure while performing work under the Agreement.

11. The Concessionaire shall also include the RPT garage coverage as an alternative option.

Implementation

1. The labeling scheme shall be provided by the Concessionaire and coordinated with the Authority and the DB Contractor prior to initiating any work. A sample scheme shall be submitted for approval.
 - a. Labeling shall include but not be limited to all equipment, cabling, components, terminations, enclosures, etc.
 - b. Labeling shall be visible from the ground below.
2. Any required adjustments to the installation plan, including the relocation of field devices, must be coordinated with relevant stakeholders and the DB Contractor to ensure optimal system performance.
3. The Concessionaire shall explore and provide cost for painting antennas using non-RF blocking paint to match the aesthetics of each antenna location.
4. Cable testing shall include the expected signal levels (both RF and optical) at each active and passive component and define the permissible variations from these expected levels. The performance of the test shall include documenting the actual signal strength measurements and identifying any variances from the predicted levels as shown in the design.
5. The Concessionaire shall test all cables using appropriate cable testing equipment. Coaxial cables shall be tested for Voltage Standing Wave Ratio (VSWR), continuity, shorts, reversals, and grounds, where applicable. This shall include a sweep test distance to fault (DTF) and Frequency return loss (FRL) of all coaxial cables after the cable is installed. All fiber shall be tested from end to end, pre-and post-installation for total loss and optical link loss budgets.
6. Passive Intermodulation (PIM) Testing -The proposed Cellular DAS solution must meet or surpass Passive Intermodulation (PIM) performance standards outlined by relevant Cellular Carriers for the intended deployment environment. Specific criteria include demonstrating PIM levels within acceptable limits for designated frequency bands and power levels, supporting required frequency bands without excessive PIM distortion, providing documented evidence of PIM testing results, complying with industry standards and regulations, and offering a warranty or guarantee for PIM performance throughout the warranty period.
7. All cable test results must be provided in the Operation & Maintenance (O&M)

Performance Testing

1. Acceptance Testing requirements must be approved by the Authority and the Carriers prior to commencement of testing.
2. Acceptance of the system shall take place after:
 - a. Inspection and approval by the Authority and Cellular Carriers to verify all installation work meets applicable codes and standards.
3. Acceptance testing for the implemented system shall include the following:
 - a. System Acceptance Test (SAT) - The purpose of this test is to ensure that system specifications and technical requirements have been met. The test will verify system design, architecture, management, monitoring, and security features.
 - b. Coverage Acceptance Test (CAT) - This test shall verify that the system meets the coverage and quality requirements described in the System Specifications. The test results shall be submitted to each Carrier for review and approval. After the approval by Carriers, the Concessionaire shall submit the test results to the

Authority for review and approval. The Concessionaire shall conduct a walkthrough of the entire coverage area and collect coverage data for each of the supported bands in two stages.

- c. Continuous Wave (CW) testing - The Concessionaire shall conduct CW testing where an unmodulated Carrier frequency will be used as the test signal in each band supported. The power level of the CW signal used shall be the same as the one designed for the actual live RF Carrier. This testing is a precursor to Live RF Carrier testing.
 - d. Live RF Carrier testing will be conducted where the actual operating frequency for each of the carrier technologies will be used as a live test signal in each band. The CW testing must pass before this test can start.
 - e. The Concessionaire will need to connect the carriers to the Cellular DAS headend before this test can be conducted. The test will be performed for each Carrier offering service in a specific RF band and will validate the Final RF design. This test will verify coverage and quality metrics per Carrier per band per technology. It will also include verification that handoffs between Cellular DAS sectors and in some cases with macro networks for each carrier meet design criteria. The Concessionaire will work with each Carrier to ensure their service on Cellular DAS is fully optimized to facilitate handoffs per design.
 - f. For both CW and Live RF carrier testing, the Concessionaire shall utilize an industry standard software-based coverage testing tool (iBwave.) for automated data collection overlaid on a floor plan.
 - g. Endurance Test - The purpose of this test is to ensure that the implemented system is stable and functions without any issues for 30 consecutive days before final acceptance. The endurance test shall test the system with final carrier configuration and capacity loads. If any major issues occur during the test that cause service outage(s), the test will restart in its entirety from the day the issue(s) has been resolved.
4. The data collected in both CW and Live RF Carrier coverage tests shall be provided to the Authority as coverage plots with heat maps.
 5. For failed tests, the Concessionaire shall make appropriate remediation, re-test, and submit new test results.
 6. The Concessionaire shall coordinate with Carriers to ensure any specific acceptance testing requirements are included in the testing scope.
 7. Endurance test completion signifies substantial completion.
 8. All test results must be provided in the Operation & Maintenance (O&M)

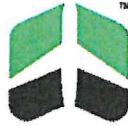
Operation & Maintenance

1. Operate and maintain the Cellular DAS after acceptance by the Authority including, but not limited to:
 - a. Guaranteeing a weekly availability/uptime of 99.9% of the system using commercially reasonable measures. The proportion of time (in minutes) that the designated system components are available over the course of a week or month constitutes uptime.
 - b. Provide a proposed preventive maintenance plan in the RFP response with the ongoing operational expense.
 - c. Providing all components, equipment, supplies, tools, and labor required for operation and maintenance.
 - d. Conducting all repairs and maintenance to maintain proper working conditions, in accordance with performance specifications.

- e. All modifications, enhancements, upgrades, or replacements will utilize familiar and pre-approved software and hardware components specified in the existing service contract with the Authority, including installing all software and firmware updates to keep the system up to date.
- f. Providing quarterly performance and usage reports due the 15th of the following month. The reports will constitute of at least the following:
 - i. Quarterly Uptime of the system
 - ii. Quarterly outage report with all the service outages
 - iii. Usage reports
 - iv. System performance report
 - v. Look-back period of 3 months.
- g. Repair or replace any equipment that fails to operate per the design specifications or malfunctions, for the term of the contract.
- h. Utilize a formal Change Management or Change Control process to make any changes to the operational Cellular DAS after go-live. The Concessionaire shall provide notifications to the Authority for all scheduled and emergency maintenance that causes service outages or degradation. In addition, the Concessionaire shall also notify the Carriers of such notifications.
- i. Operate the Cellular DAS on a 24x7 basis during the term of the Agreement.
- j. Provide monitoring, maintenance, and repair services on a 24x7x365 basis. The Concessionaire shall provide a toll-free number for its Network Operations Center (NOC) support for carriers and the Authority to report service issues in the Submittal section, Notices and Contacts, Emergency 24-Hour Contact.
- k. Concessionaire shall provide the response and resolution times for the following service impact scenarios:
 - i. Critical impact: A critical outage is defined as one that causes the entire Cellular DAS or multiple coverage zones service outages for one or more Carriers.
 - ii. Major impact: A major outage is defined as one where a single Cellular DAS zone is experiencing an outage, or Carriers are impacted but they continue to provide service due to a workaround.
 - iii. Minor impact: A minor impact is defined as one where the Cellular DAS is experiencing limited degradation of service, and a select number of end users are impacted.
- l. Conduct routine monitoring to ensure continuous service levels consistent with performance specifications, and as demonstrated during the verification testing and acceptance.
- m. Coordinate with the Authority on all maintenance and repair, which may result in critical or major outages. Emergency maintenance and repairs to restore service can be performed at any time with a notification sent to the Authority and the Carriers. However, service repair in public areas during events shall be approved.
- n. Provide event notifications and group management of components in the Cellular DAS. The Authority and the Carriers shall be capable of receiving specific event notifications based on the priority of events.
- o. Coordinate with the Authority and other stakeholders regarding future adds/moves/changes and construction activities that may impact Cellular DAS antennas or other field equipment. The Concessionaire shall be solely responsible for any temporary relocations or adjustments and final antenna, cabling, or equipment placements to facilitate such remodeling and constructions within the RPT environment.

2. The Concessionaire will be responsible for providing spare parts and listing inventories. The spare parts shall include but are not limited to coax cable, one active remote unit to cover all required bands on standby, connectors, antennas, etc.
3. The Concessionaire will provide a plan for improvement to address any coverage issues identified during annual testing.
4. The Concessionaire commits to Cellular DAS service as described herein, failure to do so may result in early contract termination, at no cost to the Authority.
5. The Concessionaire is accountable for the disposal and removal of all equipment associated with modifications, enhancements, upgrades, or replacements.

Exhibit E: Wi-Fi Scope of Services



Hollywood Burbank Airport

NOTE TO RESPONDENTS: This document presents the proposed Scope of Work for the selected Respondent (Concessionaire) for the services specified in the Burbank-Glendale-Pasadena Airport Authority (Authority) Public Wi-Fi RFP. The Authority reserves the right to modify this scope of work during contract negotiations. Respondents must outline their approach to delivering the specified services, meet the minimum requirements outlined, and provide details of experience fulfilling similar requirements.

EXHIBIT B – SCOPE OF WORK

A-1 Purpose: The journey to great travel experiences begins upon passengers' arrival at the airport. To ensure memorable journeys and highlight the economic and residential growth of the Southern California area, the Authority has initiated a new Replacement Passenger Terminal (RPT) project. This project aims to deliver a modernized facility that enhances passengers' experiences. A significant aspect impacting the passenger experience is the quality of Wi-Fi service. The Authority is soliciting a qualified third party operator or lead carrier, known as the Concessionaire, proficient in delivering a robust Wi-Fi 6 or better solution. The Wi-Fi system shall be compatible with the Wi-Fi 6 standard that supports the highest rate of data transmission with contemporary technology. The solution shall enhance connectivity and communication for passengers, tenants, and other stakeholders all while strictly adhering to established airport security protocols of a Southern California airport, supporting the 2028 Olympics and Paralympic Games.

This document intends to provide Respondents with relevant context, background, and requirements. This document supersedes any previous conversations Respondents may have had with the Authority regarding this procurement process, unsolicited proposals for similar services to the Authority, and previous procurement events in relation to the same or similar services. This scope of work excludes Cellular DAS.

A-2 Scope of Work Responsibilities, Services, and Deliverables: In accordance with the Design Documents provided in Exhibit H and the Construction schedule provided in Exhibit G, the Concessionaire will be responsible for designing, coordinating, constructing, installing, implementing, operating, maintaining, testing, and managing all Wi-Fi Coverage in the RPT and Parking Structure at Hollywood Burbank Airport (BUR).

Key scope items include, but are not limited to:

Design

1. The Concessionaire shall furnish and install a turn-key solution, including but not limited to all access points, enclosures, mounting hardware, cabling, and network equipment.

2. The Concessionaire shall provide the manufacturer's Wi-Fi solution design guidelines and/or manufacturer's best practices for network design and deployment processes. The Concessionaire will document any deviation or exception from these processes, which will be reviewed and approved by the Authority.
3. The Concessionaire will provide Public Wi-Fi services to all Airport end users, detailing the cost to Airport users, advertising revenues, paid membership or subscription revenues, access speeds, advantages to the Authority and passengers, the timeline for implementation, and any other pertinent information.
4. The Concessionaire solution shall support 2.4 GHz, 5 GHz, and 6 GHz frequency bands, be compliant with IEEE 802.1X, and include support for Bluetooth 5 (BLE5). It must utilize the latest Wi-Fi standard available and include both indoor and outdoor wireless access points.
 - a. APs installed in outdoor areas, including passenger boarding areas and Parking Garage, must meet outdoor rating standards (IP67 or better) and be capable of using omnidirectional and directional antennas. They must also comply with the IP6X Ingress Protection standard (IEC 60529) when placed outside conditioned spaces.
 - b. APs must support Wi-Fi 6 or greater, utilizing IEEE 802.11ax or the newest standard available at the time of installation. The network cabling must be CAT 6A or better, with slim CAT 6A patch cables used in headend/IDF closets.
5. The Wi-Fi solution shall provide a minimum bandwidth of 100 Mbps download and 100 Mbps upload per user. It must support seamless roaming and coverage overlap for uninterrupted connectivity as users move between APs.
6. Conduct Wi-Fi heat mapping with the recommended AP transmitter power. Deploy APs as specified in the design drawings and identify any additional key locations to maximize network coverage.
7. The Wi-Fi solution shall support all Wi-Fi-enabled devices, including laptops, iPads, and other personal devices used to access Wi-Fi services.
8. The Wireless Solution will include wireless security standards such as WPA2 Enterprise, WPA3, and 802.1X-based authentication methods.
9. Ensure seamless roaming within the Wi-Fi network by implementing wireless coverage with sufficient overlap, enabling uninterrupted connectivity as users transition between WAPs.
10. The Concessionaire shall adhere to all applicable rules, regulations, statutes, laws, policies, and guidelines governing the project, including but not limited to those from the Federal Communications Commission (FCC), the State of California, and the City of Burbank, during the contract period.
11. The Concessionaire shall engage in discussions with key stakeholders to explore opportunities for generating additional revenue streams through the Wi-Fi network. These discussions will cover potential strategies and business models that leverage the network's capabilities. The scope includes:
 - a. Facilitate a conversation between the Cellular Carrier Neutral Host Distributed Antenna System (DAS) Concessionaire and the Authority to evaluate the potential for revenue generation through offloading cellular data traffic to the Wi-Fi network.
 - b. Coordinate discussions between the Advertising Concessionaire and the Authority to explore the feasibility of generating revenue through in-network advertising, including ad placements and promotional content targeted at Wi-Fi users.

- c. Initiate conversations with RPT tenants to assess the possibility of generating revenue by providing enhanced wireless access services, including potential revenue-sharing models for tenant-sponsored Wi-Fi offerings.
12. The Concessionaire shall follow the major milestones schedule to provide a preliminary design with data sheets.
 - a. Approval for Antenna Locations and Design: Antennas and cables will be co-located in communal spaces and coordinated at all times. The Authority must approve the placement and design of all antennas.
 - b. The Concessionaire shall provide a proposed labeling schema for approval.
 - c. Labels must be preprinted or computer-printed, contrasting with equipment color, and comply with TIA-606-B standards.

Construction

1. The Concessionaire shall provide the DB Contractor requirements for all coordination items including but not limited to space, power, data, backing, sleeves, cooling, scheduling, and cabling pathways.
2. The Concessionaire shall coordinate with the DB Contractor to ensure standby power availability and meet UPS battery backup power requirements.
3. The DB Contractor will provide pathways, rack space, and power in the local IDF spaces.
4. In cases of scope gaps between the DB Contractor and the Concessionaire, the Concessionaire shall be responsible for furnishing all labor and materials for a complete and working Wi-Fi Solution.
5. The Concessionaire shall provide a set of as-built documentation.
6. The Concessionaire shall provide the coordination of the final location of all field devices.
7. The Concessionaire shall identify incoming provider pathways for fiber optic cabling if deemed necessary.
8. The Concessionaire shall safeguard all buildings, walls, floors, and property from damage during the installation process. Any damage caused to the property must be repaired by the Concessionaire at their own expense. If the Concessionaire encounters pre-existing damage (not caused by the Concessionaire), it must immediately notify the Authority to ensure the area is properly documented.
9. Following each day's work, the Concessionaire shall clean up the areas in which it has been working and dump all trash in the appropriate designated areas.

Installation

1. The Concessionaire shall install all system components, including furnished equipment and accessories, in accordance with the manufacturer's instructions, NFPA 70, ANSI-C2, and the provided specifications. The Concessionaire will supply all cables, connectors, terminators, interconnections, services, and adjustments needed for a complete and operational system.
2. Grounding will be installed as necessary to prevent issues such as ground loops, noise, and surges from affecting system operation. Coordination with the Low Voltage and/or Electrical contractor responsible for the overall installation of the Owner's grounding system is required.
3. Installation, configuration, and testing of all routers (including ISP router and equipment), switches, firewalls, and the wireless controller will be carried out by the Concessionaire.

4. Applicable software licenses for newly added equipment (Wireless Controllers, PoE edge switches, outdoor APs) will be acquired by the Concessionaire for the duration of the contract period, effective from the date of acceptance into service.
5. Approval from the Authority for the final layout of any equipment must be obtained before installation. Shop drawings showing proposed installation details must be submitted for approval beforehand.
6. Device commissioning will be performed by the Concessionaire, along with delivering an as-built performance assessment of the Wi-Fi solution to fulfill design criteria.
7. Coordinate with the DB Contractor to paint the antennas with non-RF blocking paint to match the aesthetics of each antenna location.
8. The Wi-Fi APs will need to be upgraded every five years, or sooner if mutually agreed upon by the Authority and the Concessionaire, to support the latest technology.
9. Submission of the plan and design with installation details, including proposed physical locations of all devices in AutoCAD (.dwg) format, is required. The submission must also include a parts list, with PDFs of the AutoCAD drawings provided.
10. The Concessionaire is responsible for routing its wireless traffic to its own ISP and provisioning its associated router/firewall where applicable.
11. All cabling for the Wi-Fi system must be a different color from the Local Area Network (LAN). The Concessionaire shall provide electrical conduits and cables for the necessary work.
12. For equipment mounted in drawers or on slides, interconnecting cables with a service loop of not less than three feet will be provided, ensuring sufficient cable length for full extension of drawers or slides.
13. Coordination with the Authority and the DB Contractor is essential for the final wireless solution design, procurement, installation, and configuration.
14. The Concessionaire will install and inspect all hardware necessary to fully meet the functional, operational, and performance requirements outlined, adhering to the manufacturer's installation guidelines.

Operation & Maintenance

1. The Respondent shall provide expected numbers of concurrent users on its proposed system and plans to accommodate peak passenger traffic.
2. Comply with all airport security and data privacy regulations to ensure the protection of sensitive information and prevent any potential cybersecurity threats.
3. Implement a comprehensive monitoring and maintenance system to promptly address any technical issues and ensure consistent performance.
4. Conduct regular system health checks to assess the overall performance and identify areas for optimization or preventive maintenance.
5. Implement a robust maintenance schedule to address routine updates, patches, and system upgrades to enhance overall system resilience and security.
6. Ensure compatibility with industry-standard network monitoring tools and protocols for seamless integration into existing network management systems.
7. The Concessionaire shall be required to provide live, user support services, 24 hours a day, 7 days a week, and maintain a 99% satisfaction level of Wi-Fi service availability.
8. The Concessionaire shall be responsible for all costs associated with implementing, operating, and maintaining the Wi-Fi network, including all necessary repairs, upgrades,

- and replacements of equipment throughout the term of the contract and any subsequent extensions of the term.
9. The Concessionaire shall provide all labor, materials, tools, transportation, storage cost, training, equipment, insurance, temporary protection permits, inspections, taxes, installation, software licenses, software, firmware, software integration, all required testing/documentation, and all necessary and related items required to provide complete and operational systems as described in this SOW.
 10. The Concessionaire is required to propose an innovative, efficient, and effective management strategy for the following network services:
 - a. Provisioning of SSID for passenger Wi-Fi and tenants.
 - b. Wi-Fi network performance monitoring and optimization.
 - c. Physical network monitoring and break-fix replacement of failed, failing components.
 - d. Additions and improvements as required by the Authority to add, move, and change APs and associated switches.
 - e. Monitoring, operating, and maintaining other wireless systems provided by the Concessionaire.
 11. The Concessionaire shall provide a yearly service improvement review with the Authority to assess overall system performance, schedule, and plans for continued improvements.
 12. The Concessionaire is expected to provide support for all design and construction projects and to attend construction meetings upon request.
 13. Review and markup tenant improvement pre/post-construction documents.
 14. Support Proof of Concept by other vendors for new IT solutions that require wireless connectivity upon request.
 15. The Concessionaire shall continuously review and optimize wireless systems, monitor and report on the health and trends of the BUR RF spectrum, conduct root cause analysis of incidents, and perform routine maintenance to ensure system functionality.
 16. The Concessionaire is tasked with the efficient management and upkeep of every facet of the Public Wi-Fi system, encompassing daily operations, maintenance, and system oversight, including associated expenses unless stated otherwise.
 17. The Concessionaire shall guarantee Cellular and Wi-Fi system availability of 99.999%, meaning no more than six minutes of complete system failure and downtime within a rolling twelve month period. The Concessionaire will be responsible for monitoring, operating, and maintaining the Wi-Fi system 24/7, year-round. The Respondent shall describe its ability to provide the necessary staffing and availability to meet this support level.
 18. The installed system must not interfere with other radio systems and any interference must be mitigated to the maximum extent possible. Specifically, the installed cellular system shall not interfere with existing RF systems within the premises, including but not limited to public safety (ERRCS).
 19. If the Authority determines that any radio frequency interference from the cellular DAS and Wi-Fi radio systems materially impacts airport operations or creates an immediate danger to safety, the Authority may direct the Concessionaire to immediately cease and suspend operation of the interfering portions. The Concessionaire must comply with this direction immediately. If the Concessionaire fails to cease operations as directed, the Authority may shut down the interfering portions without further notice.

Testing

1. The Concessionaire shall submit a thorough wireless system test plan for the Authority to review and approve, ensuring ongoing testing as new installations and replacements occur. This plan encompasses resolving system issues, managing system stability, addressing catastrophic outages, and applying software/hardware repairs through patches or upgrades.
2. The Concessionaire shall provide a testing plan that involves continuous evaluation of wireless system functionality, including addressing system issues, maintaining stability, resolving outages, and implementing necessary software/hardware repairs through patches or upgrades, throughout the RPT.
3. Testing includes performing FAT (Factory Acceptance Test) and UAT (User Acceptance Test). The Concessionaire shall include specific features and capabilities for each type of testing.
4. The Concessionaire shall develop and submit a comprehensive Test Plan (FAT and UAT) that has been coordinated with the Authority for testing wireless network connectivity services to the Authority for review and approval 30 days prior to the beginning of any testing activities. The tests shall demonstrate that the system and its components fully comply with the requirements specified herein.
5. The Concessionaire shall support the Authority during user augmentation.
6. Personnel performing the testing shall have at least three years of hands-on experience with the specific equipment, user augmentation support, hardware, and software installed.

Documentation

1. The Concessionaire is responsible for maintaining and updating all documentation and records related to BUR's wireless system. This includes, but is not limited to:
 - a. APs and associated components settings and configuration
 - b. Wireless system diagrams
 - c. Permanent users
 - d. Wiring diagrams
 - e. Field test data
 - f. Equipment manuals
 - g. Drawings and pictures depicting the location of each wireless device
 - h. Preventative Maintenance Records and Repair Records
 - i. Warranty information

Spare Equipment/Parts Inventory

1. The Concessionaire shall propose the number of spares of each type of equipment to keep on hand – for the Authority to review and approve.
2. The Concessionaire shall maintain the spare equipment inventory list. The inventory report shall include, but not be limited to:
 - a. Details of existing spares including condition, quantity, etc.
 - b. A recommendation for additional spares where justifiable.
 - c. A detailed cost estimate based on the approved percentage markup specified in the contract.

Software and Licenses

1. The Concessionaire shall provide the Authority with all manufacturer-released, developer-released, proprietary, and non-proprietary software and firmware upgrades and respective licenses for wireless systems - at no additional costs. All software licenses related to wireless systems will be assigned to and owned by the Authority.
2. The Concessionaire is required to stay updated with all available OEM software upgrades for each piece of equipment covered within this contract. The Concessionaire will inform the Authority of all available OEM software upgrades and, upon receiving written approval from the Authority, will proceed to purchase and install approved upgrades.
3. All software, firmware, and respective upgrades provided under this contract will be furnished by the Concessionaire, manufacturer, and developer technical support for firmware and software and their respective upgrade implementation in electronic format as specified by the Authority.
4. All software/firmware/support information must be issued and held in the name of the Authority, not the Concessionaire.

Warranty

1. Provide all manufacturer's warranties, ensuring they begin on the date of installation acceptance rather than the purchase date.
2. The Concessionaire shall provide electronic copies of all warranties and system documents in PDF format, along with the system configuration spreadsheet in a format approved by the Authority.
3. The Authority will have sole and exclusive ownership of all data generated by or as a result of using the wireless systems. Any use of this data by others, including the Concessionaire, will require written express permission from the Authority. Unauthorized use of the data is strictly prohibited without the Authority's written approval.
4. Warranty service entails the Managed Service Provider (MSP) being responsible for shipping malfunctioning device(s) to the manufacturer for repair using their Return Merchandise Authorization (RMA) process.

EXHIBIT F: Wi-Fi — Operational Standards

1. General.

A. Concessionaire shall provide, operate and maintain all components required to redirect users to the Wi-Fi landing page, host the access portal, display network usage terms and conditions requiring proactive opt-in, authenticate users and provide connectivity to the internet circuits.

B. Concessionaire shall publish and make available to end users, Terms and Conditions (“T&C”) requiring the users to acknowledge all associated risks, legal obligations and system limitations for their use of the Wi-Fi internet network at the Airport. The T&C must be approved by the Authority before posting.

C. Concessionaire shall publish and make available to end users, a privacy policy describing the collection, use and retention of personal information from end users of the Wi-Fi System. Concessionaire shall comply with its published privacy policy in connection with its performance.

D. Concessionaire shall design and construct a “Walled Garden.” The Walled Garden restricts users from navigating to the internet prior to authentication and acceptance of T&C. The Walled Garden shall include the splash page, portal pages, authentication pages, and message pages. Concessionaire shall host and maintain the Walled Garden on its servers. Concessionaire shall obtain the Authority’s approval of the content, look and feel of all Walled Garden pages prior to implementing them in a live environment and the Authority shall not unreasonably withhold such approval. Subsequent changes shall require the Authority’s approval in advance.

E. No user information or user credentials shall be required to gain access to the free Wi-Fi service, although Concessionaire may allow users to optionally register to streamline the authentication process for future visits.

2. Walled Garden Content.

A. At the beginning of the Wi-Fi session, on the landing page, Concessionaire shall provide all users the means to review the T&C and the privacy policy. Concessionaire shall require the user to accept the T&C before granting internet access.

B. Users shall not be required to sign up for or opt-in any sponsorship or offers as a condition for gaining access to the free Wi-Fi service.

C. The Authority shall be responsible for providing all Airport branding and content relevant to the Airport that Authority wishes to make available to passengers (e.g. terminal maps, concession information, local area information). Concessionaire shall work with the Authority staff to effect the integration of such content into the Walled Garden.

D. Concessionaire shall allocate additional space to the Authority, at no charge, as follows:

(i) At the Authority's option, Concessionaire shall provide to the Authority an area up to 45% of the landing page to display content of the Authority's choosing.

(ii) At the Authority's option with 30 days notice, Concessionaire shall allocate up to 10% of any interior pages to the Authority.

(iii) All space allocated to the Authority shall be controlled by the Authority.

(iv) The Authority shall supply Concessionaire with this content in a computer-readable format per the specifications supplied by Concessionaire.

E. The user shall prominently see how to access the free Wi-Fi service, regardless of any other access options or advertisers, on the welcome portal. This may include a prominently displayed link to a secondary connection options page where access to free Wi-Fi is prominently displayed.

3. Wi-Fi Experience.

A. While the user is accessing the internet, the Wi-Fi System may not limit or interfere with the browser original content in any way. This includes iframes or other web browser content filtering or HTML proxy that alters the original content requested. Concessionaire shall provide an access session that is non-invasive and open for all authorized ports normally provided by top Internet service providers.

B. Concessionaire shall be permitted to sell advertisement or secure sponsorship that shall be appear as part of users' access of the Wi-Fi System, provided that all such advertisement or sponsored messages shall comply with the Advertisement Guidelines and other provisions of this Agreement.

C. Following the welcome and landing pages, from the connection options page, Concessionaire may direct the user to view a sponsored video message or similar advertisement. The video must clearly disclose that content is provided by Concessionaire or its sponsorship partners. The video shall provide a countdown timer for the length of the sponsorship impression. The length of the sponsorship video may not exceed 30 seconds.

D. For free Wi-Fi service, there shall be no more than one advertising or sponsored pop-up or video per 45 minutes.

E. For any advertisement or sponsored message (in any form), whenever a user is offered the option to download an item, provide information, make a purchase, or other similar interactive action, the user also shall be presented an equally visible option to bypass these interactive items. Any interactive advertisement shall meet or exceed applicable Interactive Advertising Bureau standards.

4. Authority Advertising Guidelines.

A. Concessionaire shall only display Wi-Fi System advertisements that are consistent with the Advertisement Guidelines. Notwithstanding any other provision of this Agreement,

Concessionaire shall be solely responsible for: (i) evaluating proposed advertisements for consistency with the Advertisement Guidelines; and (ii) approving or rejecting proposed advertisements.

B. The Authority may, at any time and from time to time, unilaterally revise the Advertisement Guidelines by written notice to Concessionaire. In such event, the revised Exhibit D-6 shall automatically be incorporated by reference into this Agreement. Concessionaire shall use each revised Exhibit D-6 to evaluate and approve or reject proposed advertisements that are submitted after the Authority's issuance of such revised Exhibit D-6.

C. Upon the Authority's notice that an advertisement violates the Advertising Guidelines, Concessionaire shall promptly take corrective measures to the Authority's satisfaction, or if requested by the Authority, remove the advertisement in its entirety.

5. Data

A. Concessionaire shall comply with and shall cause all third parties to whom Concessionaire grants rights with respect to information and data under this Agreement to comply with all applicable laws regarding the protection, use and maintenance of such information and data, expressly including each of the requirements set forth below:

(i) *Malware.* Concessionaire shall use commercially reasonable efforts to ensure the services, including any content or other information, provided by Concessionaire pursuant to this Agreement are free from viruses, spyware, and other similar harmful and destructive code or malware. Concessionaire shall not insert any destructive mechanisms into any content or Airport system (which shall include any technical infrastructure located at the Airport), and shall not invoke such mechanisms at any time, including upon expiration or termination of this Agreement for any reason.

(ii) *Treatment of User Data.* With respect to any data collected from users of the Wi-Fi System ("User Data"), Concessionaire shall not gather, store, log, archive, use, or otherwise retain any User Data in any manner and shall not disclose, distribute, sell, share, rent, or otherwise transfer any User Data to any third-party, except as permitted by law (including Business and Professions Code Sections 22575-22579, and any other applicable law relating to spamming, privacy, confidentiality, data security, and consumer protection).

(iii) *Treatment of Airport Data.* With respect to Airport or Authority data collected from the Wi-Fi System in performance of this Agreement ("Airport Data"), Concessionaire shall not gather, store, log, archive, use, or otherwise retain any Airport Data in any manner and shall not disclose, distribute, sell, share, rent, or otherwise transfer any Airport Data to any third-party, except as expressly required by this Agreement and permitted by law. Concessionaire shall not retain any Airport Data for any period longer than necessary for Concessionaire to fulfill its obligations under this Agreement. As soon as Concessionaire no longer needs to retain such Airport Data in order to perform its duties under this Agreement, Concessionaire shall promptly return or destroy or erase all originals and copies of such Airport Data.

(iv) *Privacy and Security Procedures.* Concessionaire shall maintain and enforce information and data privacy and security procedures with respect to its access to, use and storage of all User Data and Airport Data that (A) are at least equal to industry standards taking into consideration the sensitivity of the relevant data, and the nature and scope of the service to be provided, (B) are in accordance with the Authority's reasonable security requirements, (C) comply with all applicable laws, and (D) provide reasonably appropriate administrative, technical, and physical safeguards to protect against accidental or unlawful destruction, loss, alteration or unauthorized disclosure, access or use of the data. Without limiting the generality of the foregoing, Concessionaire shall take all reasonable measures to secure and defend its location and equipment against "hackers" and others who may seek, without authorization, to modify or access Concessionaire systems or the information found therein without the consent of the Authority. Concessionaire shall periodically test its systems for potential areas where security could be breached. Concessionaire shall report to the Authority immediately any breaches of security or unauthorized access to Concessionaire systems that Concessionaire detects or of which it becomes aware. Concessionaire shall use diligent efforts to remedy such breach of security or unauthorized access in a timely manner and deliver to the Authority a root cause assessment and future incident mitigation plan.

B. The Authority reserves the right of co-ownership of any data collected by Concessionaire about Wi-Fi usage and information regarding the users, and Concessionaire agrees to share with Authority all such data. In the event that the Authority is required by law to disclose end user data collected from the Wi-Fi System to a third party, the Authority shall notify Concessionaire of such disclosure to the extent permitted by law,

6. Signs about Wi-Fi Service; Information for Airport Website.

A. Concessionaire, at its expense, shall create signage to be placed at locations around the Airport to inform the public about the Wi-Fi service availability. The signs shall be subject to the Authority's approval before use. The parties shall cooperate to identify the locations around the Airport where the signs shall be placed, provided that the Authority shall have the sole discretion to decide the final locations. Whenever the information on the signs becomes outdated, Concessionaire shall be responsible for promptly providing replacement signs.

B. Concessionaire shall also provide such information as the Authority may request to enable the Authority to inform Airport users about the Wi-Fi service on the Airport's website.

Exhibit G: Advertisement Guidelines

I. PURPOSE

The Burbank-Glendale-Pasadena Airport Authority periodically awards concession agreements in connection with the advertising program at the Hollywood Burbank Airport. The advertising program generates revenue for airport capital and operating expenses by displaying paid advertisements at designated physical or cyberspace locations. In its capacity of airport proprietor, the Airport Authority has made a managerial decision that advertisement content must be strictly regulated to promote substantial government interests including: (i) attraction of long-term, high caliber advertisers; and (ii) creation of a welcoming environment that presents airport patrons with family-friendly material that does not subject them to debates regarding political and religious issues.

The advertising program is not a forum for unlimited public expression. These guidelines are intended to preserve the nonpublic forum status of the airport advertising program by specifying the eligible content that may be displayed at the Hollywood Burbank Airport in paid advertisements. These guidelines shall be applied in a consistent and viewpoint neutral manner.

II. ELIGIBLE CONTENT

- A. Noncommercial Speech Exclusion. Eligibility for the advertising program is limited to speech that proposes a commercial transaction. Advertisements that consist of a political or religious message, or that combine a political or religious message with a commercial offer, are ineligible and shall be rejected.
- B. Additional Exclusions. The following advertisements are ineligible for the advertising program and shall be rejected:
 - 1. Advertisements that depict graphic violence or gore.
 - 2. Advertisements containing images or language that is obscene, profane, scatological, or vulgar.
 - 3. Advertisements containing sexually oriented materials, images of nudity, or sexually prurient material.
 - 4. Advertisements for any of the following entertainment media: films rated "X" or "NC17"; nude or partial nudity dance clubs or performances; pornography; television programs rated "MA"; or video games rated "A".
 - 5. Advertisements for any of the following items: contraceptives; electronic cigarettes; marijuana; sexual function medications or treatments; tobacco; or weapons.

6. Advertisements for any of the following businesses: bail bond services; check cashing services; pawn shops; massage parlors; tattoo parlors; or weapon shops.
7. Advertisements for an activity, product, or service that is prohibited by federal, state, or local law.
8. Advertisements for any rental car company that is not a concessionaire of the Authority, or any automobile parking lot or automobile parking garage that is not located on the Airport.
9. Advertisements that imply or declare an endorsement by the Authority, without prior written authorization of the Authority.
10. Advertisements containing deceptive or false statements.

Exhibit H: Concessionaire's Proposal in Response To RFP

FEBRUARY 14, 2025 | Confidential

**CELLULAR CARRIER NEUTRAL HOST DISTRIBUTED ANTENNA SYSTEM
WITH PUBLIC WI-FI ADDITIVE ALTERNATE
HOLLYWOOD BURBANK AIRPORT (BUR)**

RFP # ADM25-02

RFP Response Submitted by: Boingo Wireless
Main RFP Contact: Stephanie Gray | sgray@boingo.com | 909.477.9603
10960 Wilshire Boulevard Suite 2300 Los Angeles, CA 90024



Disclaimer: The contents of this proposal, including all figures, dollar amounts, and timelines, are based on Boingo's current best estimates given the information provided during the RFP process. It is possible that these may change as Boingo learns more about the project, including further site visits, testing, and project outcome and goal discussions with the vendor. In addition, any delays such as Acts of God, supply chain issues, and substantial changes to the project scope by the vendor may impact the final pricing and schedule. Nonobedience to any item of the RFP shall not be deemed a waiver; all responses subject to contract. This proposal contains confidential information belonging to Boingo, and the proposal may only be used in connection with recipient's evaluation of the proposal.

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1. COVER LETTER AND EXECUTIVE SUMMARY

February 14, 2025

Lanna Aguilera
C.P. Senior Manager, Procurement
laguilera@bur.org

RE: CELLULAR CARRIER NEUTRAL HOST DISTRIBUTED ANTENNA SYSTEM WITH PUBLIC WI-FI ADDITIVE ALTERNATE

Dear Ms. Aguilera,

Boingo Wireless, Inc., along with its subsidiaries ("Boingo"), is pleased to submit this proposal to the Burbank-Glendale-Pasadena Airport Authority (the "Authority") to design, install, operate, maintain, monitor, and manage a neutral host distributed antenna system (DAS) and Wi-Fi network at Hollywood Burbank Airport ("BUR" or the "Airport"). As a Los Angeles-based company with deep roots in the community and a proven track record of delivering world-class connectivity solutions, Boingo is uniquely positioned to provide BUR with a seamless, reliable, and **elevated** wireless experience, perfectly aligned with the Airport's "Elevate BUR" project goals, and designed to be completed well ahead of the 2028 Summer Olympics.

Boingo understands that BUR is undergoing a critical transformation and is excited to contribute to the Airport's evolution into a modern, passenger-centric hub. The Authority requires a partner that can not only handle the complexities of a large-scale technology deployment but is also deeply familiar with the local landscape and committed to fostering a superior passenger experience. For nearly 25 years, we've called LA home. We proudly connect some of SoCal's most prominent venues, from modernizing the passenger journey at John Wayne Airport to revolutionizing the fan experience at Intuit Dome. With over 170 California-based employees and strong community ties through partnerships with organizations like AMAC, AMAC-LA, NMSDC, and local chambers of commerce, Boingo offers the local knowledge, resources, and commitment to deliver exceptional results and superior passenger experience, realizing the Authority's vision.

Our proposal directly addresses the need for an **elevated** wireless experience at BUR, incorporating the following key elements:

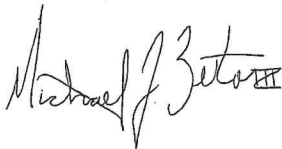
- **Expertise in DAS + Wi-Fi solutions.** Boingo is the ideal partner for this dual infrastructure approach. We have a proven track record of designing, implementing, and managing these combined networks in numerous airport environments, ensuring seamless connectivity for all passengers and stakeholders. In fact, there is no other company with more experience in converged wireless networks at airports than Boingo.
- **Carrier relationships for Day 1 service.** Our long-standing, robust relationships with all major wireless carriers will guarantee Day 1 service for all three major providers at BUR. Our business model and design approach prioritizes fast and efficient deployment, minimizing downtime and maximizing value.
- **A competitive financial offer.** Our **\$7.28M financial proposal** includes a fully managed, turnkey 5G Neutral Host Cellular DAS and Public Wi-Fi (7) network **at no cost to BUR** and over \$2.7 million of revenue to the Authority during the 10-year Concession Term.

- **Unrivaled capability in new construction.** We recently completed Portland International Airport's (PDX) newly remodeled main terminal, Newark Liberty International Airport's new Terminal A, and the converged network (DAS, Wi-Fi, Private 5G) at Intuit Dome, home of the Los Angeles Clippers.
- **Scalability and future-proof design.** Our solutions are designed with future expansion in mind, as evidenced by our deployments at PDX, EWR, and the Intuit Dome. We will ensure BUR's infrastructure is optimized for today's needs and easily adaptable to future technological advancements and increased demand, especially with the increased traffic anticipated for the 2028 Olympics.
- **World-class support from our LA-based NOC.** Boingo's 24/7/365 Network Operations Center (NOC), located here in Los Angeles, provides round-the-clock monitoring, maintenance, and support. Combined with our North Hollywood Innovation Lab and local engineering team, we are prepared to provide white-glove support to BUR throughout the project lifecycle.
- **Elevated passenger experience.** Boingo is committed to delivering an **elevated** wireless experience for all BUR passengers. Our technology and designs will enable a seamless and reliable connection, boosting customer satisfaction and increasing operational efficiency for the airport. Many of the airports Boingo serves are top performers in the Ookla Airport Wi-Fi Speed Test Rankings, as well as ACI Passenger Satisfaction scores.

We believe Boingo's expertise in new construction, deep roots in the Los Angeles community, and proven track record of success in similar projects make us the ideal partner for the Authority. Our commitment to delivering an elevated wireless experience for BUR well in advance of the 2028 Summer Olympics aligns perfectly with the Authority's vision for the future. Boingo confirms that our team will not have any potential conflicts that may arise in the performance of services requested in this RFP.

Thank you for considering Boingo's proposal. We welcome the opportunity to discuss our qualifications further and are confident we can successfully meet your requirements. Please do not hesitate to contact me directly with any questions.

Sincerely,



Michael J. Zeto III
Chief Commercial Officer

COMPANY HEADQUARTER DETAILS

BOINGO WIRELESS, INC.

10960 Wilshire Boulevard
Suite 2300
Los Angeles, CA 90024
310-586-5180 (p)
310-586-4060 (f)

MAIN POINT OF CONTACT

STEPHANIE GRAY

Senior Director of Business Development

sgray@boingo.com

909.477.9603 (p)

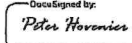
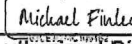
<http://www.boingo.com/>

COVER PAGE FORM

Docusign Envelope ID: 1D36C7A6-8316-4ED5-8BE4-729E2DF8938D

REQUEST FOR PROPOSALS ("RFP")
CELLULAR CARRIER NEUTRAL HOST DISTRIBUTED ANTENNA SYSTEM WITH
PUBLIC WI-FI ADDITIVE ALTERNATE
HOLLYWOOD BURBANK AIRPORT PROJECT
NUMBER ADM25-02

By submitting a proposal, Respondent acknowledges receipt of all content of the RFP package as delivered electronically and hereby attests to non-collusion regarding the competitive opportunity and any price submitted. Respondent acknowledges and accepts the terms of this solicitation, including any addenda, which will become part of any resultant agreement, and agrees that the terms as listed will supersede any conflicting contractual terms and/or conditions specified elsewhere. Respondent certifies that the information provided in its submission is complete, including the full disclosure of all subcontractors, suppliers, joint ventures, teaming agreements, and the like, and that the information submitted is true and accurate to the best of its knowledge. Respondent confirms that the signing party is an authorized representative of the entity submitting the proposal and has the individual authority to submit this proposal electronically on behalf of the entity and to bind the entity to all information set forth herein.

Date: <u>January 30, 2025</u>	Company Name: <u>Boingo LLC</u>	
Docusign by: 	Peter Hovenier	Chief Financial Officer
*Authorized Signature	Name	Title
Docusign by: 	Michael J. Finley	CEO
*Authorized Signature	Name	Title

*If the contracting party is a corporation, two (2) signatures are required: one (1) signature by either the Chairperson of the Board, the President, or any Vice President; and one (1) signature by either the Secretary, any Assistant Secretary, the Chief Financial Officer, or any Assistant Treasurer. The signature of one person alone is sufficient to bind a corporation, as long as he or she holds corporate offices in each of the two categories described above. In the alternative, a single corporate signature is acceptable when accompanied by a corporate resolution demonstrating the legal authority of the signatory to bind the corporation.

RETURN THIS COVER PAGE WITH YOUR PROPOSAL – LATE, EMAILED, MAILED, HAND DELIVERED, OR FAXED SUBMISSIONS WILL NOT BE ACCEPTED.

RFP No. ADM25-02
Cellular Distributed Antenna System and Public Wi-Fi Alternate
Page | 2

3045369.3

2. FIRM QUALIFICATIONS

a. Legal name and physical business street address for headquarters offices, as well as the physical street address of servicing office, if not the same address as Respondent's headquarters office.

HEADQUARTERS OFFICE

Boingo Wireless, Inc.
17 Cowboys Way, Suite 400
Frisco, TX 75034

SERVICING OFFICE

Boingo Wireless, Inc.
10960 Wilshire Blvd, Suite 2300
Los Angeles, CA 90024

b. Number of years in business under the business name outlined in the proposal, current number of employees.



c. Include a brief description of the organization's history, capabilities, resources, structure, ownership, size, and services.

Brief History & Capabilities

When Boingo launched in 2001, there were fewer than 400 hotspots in the world – and Wi-Fi still went by the catchy name “802.11.” Today, we are undisputedly the worldwide leader in wireless solutions for airports and large-scale, high-density venues. We offer best-in-class 5G solutions to include Wi-Fi, small cells, DAS, private networks, and towers serving the airports and transportation, military and government, hospitality, commercial real estate, sports and entertainment, healthcare, and manufacturing and logistics industries.

20+ Years of Wireless Leadership



LARGEST

DAS Operator

Largest indoor DAS provider in the U.S.

3 Billion+

Cellular Connections Annually



LARGEST

Wi-Fi Operator

Largest operator of airport Wi-Fi networks in the world

2 Billion

Wi-Fi Sessions Annually



LARGEST

Military Provider

Largest Wi-Fi provider to US Military bases

100+

 U.S Military Bases

400k

 Troops Served

FIRST

Commercial DAS Network to market ('99)



FIRST

Passpoint Network to market ('14)



FIRST

CBRS Airport Private Network to market ('18)



FIRST

Wi-Fi 6 Airport Network to market ('19)



FIRST

Wi-Fi 7 Public Network at a Transportation Venue to market ('24)

Cellular data calculated based on total annual visitors, time in venue and estimated connections during visit.

In June 2021, Boingo was acquired by Digital Colony, now known as DigitalBridge, a leading global investment firm dedicated to digital infrastructure. With a heritage of over 25 years investing in and operating businesses across the digital ecosystem including towers, data centers, fiber, and small cells, DigitalBridge's strong operational capabilities, industry relationships, and access to capital has enabled Boingo to further innovate and address the needs of wireless connectivity.

Structure, Ownership, & Size

As a wholly owned subsidiary of DigitalBridge, Boingo Wireless is a private corporation with 367 employees governed by a diverse Board of Directors with extensive experience in building and operating networks that enable connectivity and power the digital economy. Led by an executive team with more than 120 years of combined experience, Boingo helps the world stay connected to the people and things they love. Please find the names and titles of Boingo's Executive Management Team below:

- Mike Finley, CEO
- Peter Hovenier, CFO
- Michael Zeto, CCO
- Derek Peterson, Ph.D., CTO
- Dawn Callahan, CMO
- Rebecca Gray, SVP, Military
- David Tokunaga, SVP, Enterprise

Services

Boingo simplifies complex wireless challenges to connect people, businesses, and things. Our vast footprint of distributed antenna systems (DAS), Wi-Fi, private networks, small cells, and macro towers securely powers innovation and connectivity for airports, transit stations, stadiums, hospitals, commercial properties, and enterprises worldwide.

We serve more than 120 major airports and transportation hubs, 70+ sports and entertainment venues, and are the largest provider of Wi-Fi to the United States military, connecting nearly 400,000 troops on 100+ military bases worldwide.

Additionally, Boingo provides around-the-clock monitoring, maintenance, and reporting through our 24/7/365 in-house Network Operations Center and Customer Care. Our 20+ years of experience financing, designing, building, managing, operating, and maintaining a Cellular neutral host DAS and public/private Wi-Fi and Passpoint networks uniquely positions us to achieve BUR's objectives, scope, and complexity.

d. Detail your firm's background in adhering to airport regulations regarding Cellular DAS.

With more than 20 years of experience designing, building, operating, and maintaining neutral host DAS and Wi-Fi networks in demanding locations like BUR and 120+ other airports and transportation hubs, our experience demonstrates a consistent ability to comply with all applicable airport regulations regarding Cellular DAS.

e. If including a proposal for the alternate Public Wi-Fi solution, detail your firm's background in adhering to airport regulations regarding Public Wi-Fi.

As a network provider to major airports, the TSA, the DOD, and military bases, Boingo is trusted to prioritize stringent security parameters for its networks, meeting federal-grade standards and adhering closely to NIST and ISO 27001 cybersecurity frameworks. Boingo meets all regulatory compliance requirements in the counties which we operate in, including, but not limited to:

- Payment Card Industry/Data Security Standard (PCI/DSS)
- General Data Protection Regulation (GDPR)
- California Consumer Privacy Act (CCPA)
- NIST 800-53 (audit in progress)
- Lawful Intercept (as requested by Law Enforcement)
- Access logs (as requested, typically kept for one year but can be customized)



Safeguarding National Security: Boingo's work with the Federal Government ensures we comply with the strictest security parameters. As the Authority seeks to leverage a solution with a future-forward secure design, Boingo is ready to deliver the utmost safe and scalable solution for Burbank Hollywood Airport.

3. EXPERIENCE AND PAST PERFORMANCE

The proposal shall demonstrate the firm's significant, in-depth knowledge, past performance, and experience relating to the services required, as outlined in Exhibit A – Cellular Carrier Neutral Host Distributed Antenna System and Exhibit B – Public Wi-Fi Scope of Work. Specifically, Respondent shall address the following:

a. Submit a statement identifying how your firm has met the scope of services set forth in Exhibit A and Exhibit B on past projects.



As the **largest operator of airport DAS, Wi-Fi, and private networks** in the U.S., no other company has designed, implemented, and managed more transportation networks than Boingo. We power networks at our partner airports and take great pride in enabling their connectivity visions and business goals. We are proud to share the highlights below from our airport portfolio:

- **Proven experience** with new construction projects at the world's leading airports.
- 3 of the top 4 **Ookla Airport Wi-Fi Speed Test Rankings** are Boingo venues (Newark Liberty International Airport, John F. Kennedy International Airport, Phoenix Sky Harbor International Airport).
- Connectivity provider to **four of the top five mega airports** ranking highest in customer satisfaction.
- 12-time winner of Best Wi-Fi Service (Global Traveler annual survey).
- Winner: Aviation Pros' Project of the Year for LaGuardia Terminal B redevelopment.

Innovation is at the forefront of our airport operations, requiring secure, fast, reliable Wi-Fi connectivity. Boingo understands our diverse needs and has kept John Wayne Airport ahead of the technology curve to deliver a superior guest experience.

– Charlene Reynolds, John Wayne Airport Director

Please see below for an overview of past airport projects where Boingo has met the scope of services defined in Exhibits A and B.

A Trusted Partner of Iconic Airports



John Wayne Airport
Santa Ana, CA



Portland International
Airport
Portland, OR



Oakland International
Airport
Oakland, CA



Austin-Bergstrom
International Airport
Austin, TX



Minneapolis-St. Paul
International Airport
Minneapolis, MN



Newark Liberty
International Airport
Newark, NJ



Dallas Love Field Airport
Dallas, TX



Louis Armstrong New
Orleans Int. Airport
New Orleans, LA



Memphis International
Airport
Newark, NJ



Buffalo Niagara International
Airport
Buffalo, NY



= New Network Build

b. Include a comprehensive overview of the company's experience in financing, designing, building, managing, operating, and maintaining a Cellular DAS and Public Wi-Fi.

In addition to our experience in the aviation and transportation industry, Boingo has direct, real-world experience financing, designing, building, managing, operating, and maintaining Cellular DAS and Public Wi-Fi in high-traffic venues around the world. This practical experience enables our team to help the Authority make the best technology decisions today and well into the future. Venues near Burbank and around the world turn to Boingo for their DAS and Wi-Fi needs. Below is a summary of our diverse venue portfolio:



U.S. Military Ground and Air Bases: Boingo holds long-term contracts to provide comprehensive wireless connectivity, including high-speed Wi-Fi and cellular towers at military bases in the United States and abroad, including Camp Pendleton, MCAS Miramar, MCRD San Diego, Fort Irwin, Fort Hunter-Liggett, and Camp 29 Palms. We're proud to serve ~400,000 service members across **100+ bases worldwide**, with more bases added each year.



Sports and Entertainment Venues: Boingo's portfolio of sports (NFL, NBA, WNBA, NHL, MLB, MLS, NCAA) and entertainment arenas include Steve Balmer's new state-of-the-art Intuit Dome, Petco Park, Dodger Stadium, Hollywood Bowl, Soldier Field, Q2 Stadium, Delta Center, State Farm Arena, Hollywood Bowl, and many more. Our award-winning solutions help sports and entertainment venues wow fans, streamline operations, and boost revenue



Commercial Real Estate: Developers are turning to Boingo for next-generation wireless solutions to create smart buildings that increase efficiencies, build resilience, and generate new revenue. Boingo maintains long-standing agreements with Chicago's 1 North Wacker, Philadelphia's Cira Centre, and the State Farm headquarters campus.



University and College Campuses: Leading educators rely on Boingo to increase operational efficiencies and fast-track smart building bottom-line benefits. Today, our networks support faculty, staff, students, and visitors at San Diego State University, Kansas State University, South Dakota State University, Kansas State University, and many others.

Experience in Key Areas



Financing. With a history spanning nearly 25 years, Boingo has secured the necessary funding to undertake significant wireless deployments. We work closely with clients, often structuring network deals that offset the initial investment through monetization, advertising, tenant services, retail, and revenue-sharing programs.



Designing. Boingo boasts an award-winning in-house design team that develops best-in-class neutral-host networks tailored to specific needs. Based on client needs, we custom design 5G infrastructure with cellular, Wi-Fi, and private network capabilities. Our designs consider use cases and desired outcomes, ensuring the infrastructure is fit for purpose.



Building. Boingo has over 20 years of experience with converged network installation in new and existing large venues, working alongside other trades on all shifts, building out head ends in new shelters or into existing spaces, integrating into existing IDFs, finding creative spaces for DAS remotes and infrastructure, and mounting modern and inobtrusive antennas and APs in front and back-of-house spaces.



Managing. Boingo's Network Operations Center (NOC) is a 24x7x365 operation that actively monitors network performance, ensuring high uptime. This allows potential issues to be identified and quickly addressed, reducing potential downtime. Boingo also manages customer care and provides a full security service suite.



Operating. Boingo's commitment to uptime means we constantly evaluate the performance of our networks and look for areas of improvement. BUR's dedicated account manager will ensure the Authority has the support it needs and offer preventative maintenance programs, ensuring long-term reliability.



Maintaining. As a long-term partner, Boingo ensures upgrades are timely and meet clients' ongoing needs. Through our 24x7x365 NOC, we offer continuous monitoring and maintenance. Boingo's dedicated Account Manager will also meet with the Authority weekly to review network status and onsite spare inventory updates, provide recommendations on revenue generation opportunities, and review potential upgrades.

c. Provide a list of five references that demonstrate verifiable experience in providing these services: Two of the five references must be from public airports or other government agencies, where Respondent provided such services within the last five years. Specify the performance period for each of the five references ' contracts. Provide contact information for each of the references, including the name of the agency/company, street address, contact name, title/position, email address, and phone number from each reference company/ agency that can confirm the Respondent ' s experience. The preferred point of contact is representative who provides direct oversight and/or supervision of the contracted services. If the Authority cannot contact a listed reference and confirm experience due to inaccurate contact information, the proposal may be deemed nonresponsive and will be subject to rejection.

Please see the following pages detailing Boingo's references.

WITHIN LAST FIVE YEARS

Portland International Airport (PDX) Portland, OR

Performance Period: 2019 – Present

- Modernization project began: April 2024
- Modernization project completed: August 2024
- Maintenance and management: ongoing

Contact Name: Mabelle Campbell

Title/Position: Concessions Development
Manager

Email Address:

mabelle.campbell@portofportland.com

Phone Number: 503.415.6472

Street Address: 7200 NE Airport Way, Portland,
OR, 97218



Project Summary

Since 2019, Boingo has partnered with Portland International Airport as their Distributed Antenna System (DAS) and Wi-Fi provider. Recently, PDX completed a \$2 billion modernization project, unveiled on August 14, 2024, where Boingo played a vital role by deploying a comprehensive cellular DAS. This involved installing more than 550 antennas and 250 remote units across 70 Intermediate Distribution Frames (IDFs), utilizing extensive conduit, coaxial cable (140,000 feet), and fiber optic cable (70,000 feet) to ensure robust wireless coverage. Through Continuous Wave testing, including inside aircraft, Boingo addressed unique coverage challenges, setting a new standard for airport DAS designs.

The Boingo solution at PDX extends beyond basic connectivity, prioritizing safety with an FM200 fire suppression system integrated with PDX's fire and life safety monitoring. This partnership reinforces PDX's reputation as a leading airport consistently recognized for excellence and shows that Boingo provides cutting-edge technology to enhance the airport experience for travelers and operators alike.



Significance for BUR: This project showcases our experience overcoming the challenges of DAS installation within a new construction environment, even amidst accelerated timelines and stringent safety protocols, ensuring comprehensive coverage from all three carriers and dependable high-speed service.

Louis Armstrong New Orleans International Airport (MSY)
New Orleans, LA

Performance Period: 2019 – Present

- Project began: November 2018
- Project completed: June 2019
- Maintenance and management: ongoing

Contact Name: Frank Ruiz

Title/Position: Manager of Automated Systems

Email Address: fruiz@flymsy.com

Phone Number: 504.329.7658

Street Address: 1 Terminal Dr, Kenner, LA
70062



Project Summary

Boingo designed, built, and launched a 5G-ready neutral-host network, including cellular DAS and Wi-Fi, that delivers a reliable, seamless, and secure connected experience for MSY passengers, concessionaires, and staff. The program's success stemmed from Boingo's ability to join the MSY construction and architect team early in the process, enabling the wireless networks to be incorporated into the overall construction and design plan. Building in parallel provided economies of scale, minimized disruption, ensured architectural design aesthetics, and kept opening day on schedule.



Significance for BUR: The MSY success demonstrates Boingo's expertise in collaborating with airports, carriers and stakeholders in the design and build of greenfield DAS deployments. This experience showcases our ability to deliver a fully operational, high-speed converged network—cellular DAS and Wi-Fi—in a new airport environment, a key requirement for the BUR RFP.

Intuit Dome
Inglewood, CA

Performance Period:

- Project began: July 2023
- Project completed: August 2024
- Maintenance and management: ongoing

Contact Name: George Hanna

Title/Position: Chief Technology and Digital Officer

Email Address: ghanna@clippers.com

Phone Number: 714.658.8734

Street Address: 3930 W. Century Blvd.,
Inglewood, CA 90303



Project Summary

Intuit Dome partnered with Boingo to deliver one of the most advanced and tech-forward fan experiences in sports and entertainment. Using a neutral host network that features a first-of-its-kind combination of 5G, private networks, and Wi-Fi 6/6E, Boingo designed and constructed the network in tandem with the arena build itself, ensuring optimal integration and coverage across every square foot. This purpose-driven infrastructure delivers a seamless, high-speed connection for fans, athletes, and staff, no matter where they are in the arena.

Key highlights for this project include:

- A 6 GHz Wi-Fi network with over 3,000 Access Points enabling a seamless connected fan experience and streamlined operations
- One of the largest private 5G networks in the country
- 5G coverage for all three Tier One carriers went live ahead of Intuit Dome's grand opening event on August 15, 2024

Notably, Intuit Dome's converged 5G network supports myriad cutting-edge technologies to include AI concession stands and checkout-free technology, mobile ticketing, automated parking, and interactive seat lighting and armrests that feature built-in controllers to communicate with the arena's massive 4K halo screen. The 5G and Wi-Fi also support thousands of cameras throughout Intuit Dome, enabling facial recognition, a parallel reality wall, and arena security for a truly safe and fan-centric experience.



Significance for BUR: The Intuit Dome project demonstrates Boingo's expertise in deploying cutting-edge, converged private 5G, cellular DAS, and Wi-Fi networks in a large, high-demand venue. This success highlights our ability to design and construct a high-capacity network, align with aesthetic parameters, meet challenging build timelines, and open with all three carriers on Day 1 in the LA market.

ADDITIONAL REFERENCES

John Wayne Airport (SNA) Santa Ana, CA

Performance Period: 2013 – Present

- Maintenance and management: ongoing

Contact Name: Will Bodgan

Title/Position: IT Manager

Email Address: wbogdan@ocair.com

Phone Number: 949.375.2514

Street Address: 18601 Airport Way, Santa Ana, CA 92707



Project Summary

Since 2013, Boingo has been SNA's exclusive provider of public Wi-Fi and neutral host DAS, implementing a series of network enhancements, including AP densification, Wi-Fi speed increases, splash page enhancements, and 5G upgrades. These improvements raised passenger satisfaction scores, placing SNA #1 on Ookla's 2022 fastest airport Wi-Fi report. In July 2023, Boingo and SNA executed a 10-year contract extension that included a new Wi-Fi 6 network that was launched in Summer 2024. During this new term, Boingo expanded Wi-Fi and DAS coverage to SNA's high-traffic areas, including CBP security checkpoints, rideshare pick-up, and parking areas.



Significance for BUR: Our work at SNA showcases Boingo's ability to provide upgrades post-contract award, including a Wi-Fi 6 upgrade to meet the airport's growing needs. The example is also testament to Boingo's focus on customer service and our ability to build and maintain strong relationships by listening to our airport partners, collaborating and working together to achieve the airport's goals.

Memphis International Airport (MEM)
Memphis, TN

Performance Period: 2010 – Present

- Phase I – Wi-Fi Launch: 2010
- Phase II – DAS Launch: 2014
- Phase III – Wi-Fi and DAS Expansions: 2017
- Phase IV – MEM Modernization Wi-Fi and DAS Expansion: 2020

Contact Name: David Ritter

Title/Position: Director of Information Technology

Email Address: dritter@flymemphis.com

Phone Number: 901.922.0107

Street Address: 2491 Winchester Rd, Memphis, TN 38116



Project Summary

Boingo and Memphis International Airport have been strategic partners since 2010, a collaboration that has steadily evolved through four distinct phases. It began with the successful launch of basic Wi-Fi service in 2010, offering essential connectivity for passengers during Phase I. Four years later, Phase II saw the introduction of a DAS, significantly improving network coverage and communication throughout the airport. The partnership continued its growth in 2017, with Phase III bringing expansions to the Wi-Fi and DAS networks, accommodating the ever-growing demands of tech-dependent travelers. This strategic journey culminated in Phase IV in 2020, the MEM Modernization project. Here, Boingo invested substantially in infrastructure and cutting-edge Passpoint technology, delivering high-capacity, secure connectivity for authorized mobile devices, solidifying their long-term commitment to enhancing the airport's technology landscape.



Significance for BUR: This long-standing partnership with Memphis International Airport demonstrates Boingo's ability to manage, operate, and maintain a cellular DAS and Wi-Fi network. The network has evolved through multiple phases over several years, showing our ability to expand and modernize a long-standing network.

4. PROJECT ORGANIZATION AND KEY PERSONNEL

Respondent shall provide an organization chart showing: (i) all names, titles, and roles of individuals who will be assigned to the provision of services; (ii) the Corporate Account Manager, (iii) each key person on the services team, (iv) the role each will play in the provision of services, and (v) a written assurance that the listed key individuals will be performing the responsibilities as assigned and will not be substituted with other personnel or reassigned to another service contract without the Authority's prior written approval.

BUR's Service Team

The proposed key services team below will serve as the main advocates for the Authority and its initiatives. The Authority's ambitious goals require a partner that is a technology leader and innovator who can bring the right people with first-hand experience to oversee connectivity at BUR. Additionally, Boingo confirms that the listed key individuals will be performing the responsibilities as assigned and will not be substituted without the the Authority's written approval. The proposed project team Boingo has selected for BUR are:

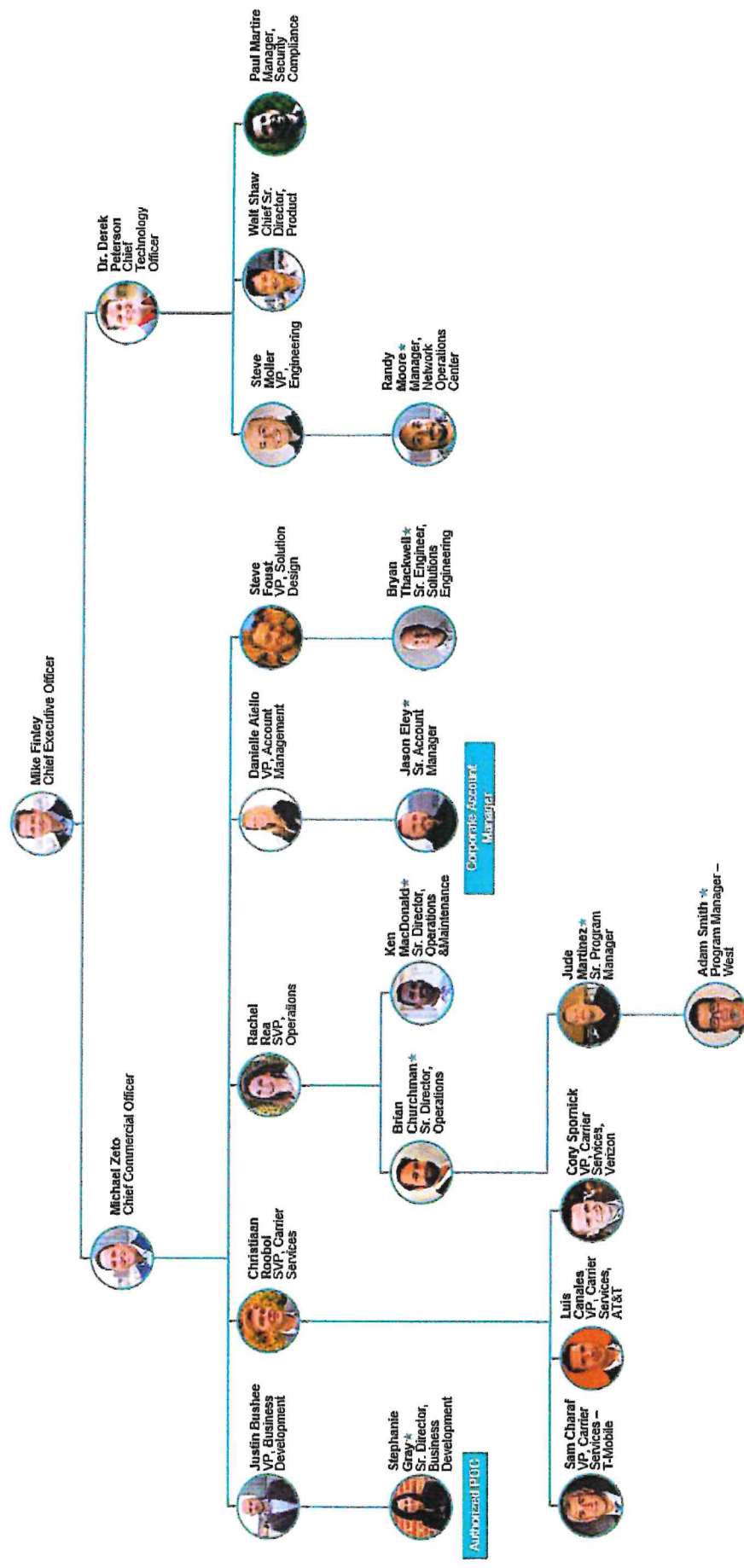
- Stephanie Gray, Senior Director of Business Development
- Bryan Thackwell, Senior RF Engineer
- Brian Churchman, Senior Director of Operations
- Adam Smith, Program Manager
- Jason Eley, Corporate Account Manager
- Randy Moore, Senior NOC Manager
- Ken MacDonald, Senior Director of Operations

Boingo's BUR service team organizational chart is below. The chart includes names, titles, and roles of individuals assigned to the provision of services, including Jason Eley, BUR's Corporate Account Manager. The following pages further detail each key member's role and duties.

Respondent shall provide resumes (limited to two pages per person) of all service team members and other key personnel anticipated to be assigned to the Authority, including any professional licenses and/or registration information, appropriate certifications, or other similar, pertinent credentials.

Following the organization chart are one-page resumes of all service team members and other key personnel.

★ BUR's Service Team





Michael J. Zeto III

EXECUTIVE SPONSOR **Chief Commercial Officer**

Michael J. Zeto III is a seasoned technology executive and telecom operator with a successful track record of leading high-growth initiatives for Fortune 100 brands and emerging businesses. In his role as chief commercial officer (CCO) at Boingo Wireless, Michael leads all aspects of the company's global innovation and growth strategies. He is directly responsible for sales, carrier relationships, account management, operations, and end-to-end network designs, builds, and deployments across 5G, CBRS, Wi-Fi6/6E/7, IoT and private networks. Michael is focused on bringing the promise of 5G and digital transformation to large venues and enterprises worldwide, supporting Boingo's airport, stadium, commercial real estate, manufacturing, healthcare, and smart city partners.

Before Boingo, Michael was vice president of IoT solutions and founder and general manager for AT&T's smart cities and emerging IoT solutions. In this role, he led the business unit's strategy, product development, business development, and go-to-market plan. He was responsible for IoT-related smart cities, drones, FirstNet, and public-private partnerships. Michael previously served as AT&T's director of strategy in the mobile and business solutions organization, focused on emerging growth opportunities across IoT, big data, consumer engagement, and cloud technologies.

Before joining AT&T, Michael co-founded and served as CEO of Proximus Mobility, a location-based consumer engagement software company. His career also includes several general management, corporate development, and enterprise sales positions with leading technology companies.

Michael mentors and advises early-stage entrepreneurs throughout the U.S. and speaks at events to promote innovation, entrepreneurship, and intrapreneurship.



Justin Bushee

Vice President of Business Development

EXPERIENCE

As Vice President of Business Development, Justin is responsible for leading our Business Development team to anticipate and identify client needs, as well as delivering innovative solutions that exceed venue and customer expectations. Justin brings over 15 years of experience in the wireless industry leading various sales organizations at AT&T and Sprint.

EDUCATION AND TRAINING

Mount Saint Mary's University

MBA in Organizational Leadership

Georgetown University

Bachelor of Arts in Economics

PREVIOUS ROLES

Boingo Wireless, Inc.

- | | |
|--|----------------|
| • Vice President, Business Development | 2021 – Present |
| • Sr. Director, Business Development | 2020 – 2021 |
| • Director, Business Development | 2018 – 2020 |

Sprint

- | | |
|------------------------------|-------------|
| • Director, Enterprise Sales | 2017 – 2018 |
| • Corporate Sales Manager | 2015 – 2017 |

AT&T

- | | |
|--------------------------|-------------|
| • Global Account Manager | 2011 – 2015 |
| • Regional Sales Manager | 2006 – 2011 |

PROJECT EXPERIENCE

- Intuit Dome
- San Diego State University
- Dodgers Stadium
- Citi Field
- Phoenix Sky Harbor International Airport
- Louis Armstrong New Orleans International Airport
- Penn Station
- Rock Center



Stephanie Gray

Senior Director of Business Development

EXPERIENCE

Stephanie leverages over 12 years of experience working in the wireless industry and brings a comprehensive background from all major facets of the wireless ecosystem. Throughout her career, she has successfully developed strategic national relationships with large public venues having negotiated over 70 DAS agreements with owners across the transportation, commercial real estate, hospitality, retail, sports and entertainment, higher education, and healthcare verticals.

EDUCATION AND TRAINING

John Cabot University

Bachelor of Arts in International Affairs

PREVIOUS ROLES

Boingo Wireless, Inc.

- Sr. Director, Business Development 2022 – Present

Airwavz Solutions, Inc.

- Vice President Marketing & Communications 2019 – 2022

Mobilitie

- Sr. Director Wireless Coverage Solutions 2013 – 2019

PROJECT EXPERIENCE

- Las Vegas Convention Center
- BMO Stadium
- City National Plaza
- USC (Student Section Wi-Fi)
- Venetian Resort
- Bay Area Rapid Transit (BART)
- Camping World Stadium (DAS + Wi-Fi)
- Sound Transit
- Tacoma Dome (DAS + Wi-Fi)
- Greater Tacoma Convention and Trade Center (DAS + Wi-Fi)



Jason Eley

Senior Account Manager

EXPERIENCE

Jason is a telecommunication professional with over a decade of experience specializing in airport Wi-Fi solutions. Over the past seven years, he has managed Boingo's airport accounts, focusing on optimizing connectivity. Jason actively contributes to crucial technology projects in airports, including Passpoint migrations and tenant service enhancements. Additionally, Jason is committed to mentoring future professionals, previously involved in UCLA's tech industry mentorship program.

EDUCATION AND TRAINING

The University of Georgia

Bachelor of Business Administration in Finance

PREVIOUS ROLES

Boingo Wireless, Inc.

- Senior Account Manager 2020 – Present
- Account Management, Operations Manager 2017 – 2020

DirecTV/AT&T/VXI

- Coordinator/team lead 2015 – 2017

PROJECT EXPERIENCE

- 6+ years of oversight of all tenant connections across the Boingo footprint
- Subject matter expert (SME): Airport Wi-Fi, Passpoint protocols, tenant service implementation and commissioning
- Oversight of Boingo venues in Southern California, including Dodger Stadium, Intuit Dome (under construction), Hollywood Bowl, and John Wayne Airport



Bryan Thackwell

Senior RF Engineer

EXPERIENCE

Bryan has 30 years of telecom experience, including 14 years of designing and deploying in-building neutral host systems and four years of private wireless network experience. As the lead system architect for Boingo's wireless infrastructure, Bryan creates network designs from concept to final phases while providing engineering support during launch, testing, proof of concept (POC), and pilot phases. As a U.S. Army Veteran, Bryan holds numerous decorations and certifications, including a Department of Defense Top Secret Security Clearance, three Army Commendation Medals, five Army Achievement Medals, an Expeditionary Service Medal, and a Humanitarian Service Medal.

EDUCATION AND TRAINING

DeVry University

UMTS Engineering Courses – 2008

PREVIOUS ROLES

Boingo Wireless, Inc.

- Senior RF Engineer 2022 – Present

Pierson Wireless

- Director Advance Solutions & Development 2021 – 2022

Crown Castle

- RF Engineer 2017 – 2020

Repeated Signal Solutions

- Process Development Mgr/Sr. RF Engineer 2011 – 2017

T-Mobile

- Senior RF Engineer 2008 – 2011

PROJECT CERTIFICATIONS

- Dale Carnegie Management Course 2017
- iBwave Level 3 Certified 2016
- DAS Commissioning Certifications (multiple platforms)
- Ericsson UMTS Radio Access Network courses 2010
- 3G/EVDO Engineering Course 2005
- EVDO Optimization Course
- RF CDMA Engineering Course 2001



Brian Churchman

Senior Director of Operations

EXPERIENCE

Brian will continue to manage the design and construction phases of the BUR project and future upgrades and expansions. Before Boingo, Brian worked as Vinculums's project manager, arranging transport for AT&T special events. For Raytheon, he was the RF communications lead at the South Pole. Brian also worked for Sprint/Nextel, where he was responsible for the performance of first Detroit and then San Francisco Sprint and Nextel cellular networks. His experience spans all project phases: initial venue engagement to planning, installation, closeout, and ongoing optimization and maintenance. Brian is a United States Air Force decorated veteran.

EDUCATION AND TRAINING

US Air Force

Satellite Communications Technician Course

PREVIOUS ROLES

Boingo Wireless, Inc.

- Senior Director 2014 – Present

Princess Cruises

- Systems Administrator 2010

PROJECT EXPERIENCE

- John Wayne Airport
- Gonzaga University
- F5 Tower in Seattle
- Spokane Veterans Memorial Arena
- Angel of the Winds Arena
- Portland International Airport
- Salesforce Transit Center
- All five major airports in Hawaii
- Vivint Smart Home Arena
- University of Arizona



Adam Smith

Program Manager – West

EXPERIENCE

Adam manages all designated projects and their associated budgets and schedules, including coordinating all deliverables and requirements of the cross-functional project team that comprises internal and external customers. His experience includes managing network installations and deployment at Phoenix International Airport, Intuit Dome, University of Arizona McKale Center, Bell Bank/Legacy Sports Park, Gila River Resorts and Casino, and the private wireless network for Costco locations nationwide. Adam has served the wireless industry since 1999, working with leading OEM Ericsson as senior Construction Manager and Alcatel/Lucent as Construction Manager. He also partnered with the AT&T Wireless affiliate, Cricket Communications, to roll out their initial personal communications service (PCS) networks in Denver, CO.

EDUCATION AND TRAINING

Villanueva University

Project Management

CERTIFICATIONS

OSHA 30

PREVIOUS ROLES

Boingo Wireless, Inc.

- Program Manager 2021 – Present

Phoenix Tower International

- Regional Operations Manager-West Region 2021

InSite Wireless Group, LLC

- Tower Operations Manager – West Region 2020 – 2021

Crown Castle

- Maintenance Process Supervisor 2013 – 2020

PROJECT EXPERIENCE

- Los Angeles International Airport
- Phoenix International Airport
- Intuit Dome (current PM)
- University of Arizona McKale Center
- Bell Bank/Legacy Sports Park
- Isleta Amphitheater
- Gila River Resorts and Casino
- Costco (nationwide deployment)



Walt Shaw

Senior Director of Product

EXPERIENCE

Walt manages the converged network solution for Boingo, overseeing the product development, delivery, and technology roadmap for public/private cellular, Wi-Fi, and IoT. Before Boingo, Walt managed the \$1B+ Wi-Fi LAN access point portfolio while leading Cisco's Private 5G product strategy for over ten years. Walt has been intimately involved in prior wireless network deployments and use case developments at various high-impact consumer facing venues, such as Apple, Amazon, and Westfield retail stores and many leading airports, transportation hubs, and hospitality properties worldwide.

EDUCATION AND TRAINING

Santa Clara University

Master of Business Administration

Bachelor of Science in Electrical Engineering and Computer Science

PREVIOUS ROLES

Boingo Wireless, Inc.

- Senior Director of Product 2021 – Present

Stealth Startup

- Product Consultant 2020

Cisco

- Director of Product Management 2014 – 2019
- Senior Product Line Manager 2012 – 2014
- Product Line Manager 2007 – 2012
- Senior RF Engineer 2008 – 2011

Juniper Networks

- Senior Product Manager 2005 – 2007



Paul Martire

Manager of Security Compliance

EXPERIENCE

Paul leads the cybersecurity program at Boingo, overseeing governance, risk, compliance (GRC), and security operation activities to mitigate risks and meet compliance requirements. Paul has over 20 years of experience in cybersecurity program governance, risk management, compliance assessment, vendor security risk management, security awareness, and data center IT infrastructure management.

PREVIOUS ROLES

Boingo Wireless, Inc.

- Manager, Security compliance 2024 – Present
- Service Manager 2022 – 2024

Mediacom Communications

- Network Security Engineer – GRC 2016 – 2022

KPMG

- Associate Director 2002 – 2016

Alamo EMS

- Systems Manager 1994 – 2002

CERTIFICATIONS

- PCI ISA – 2018
- ISC2 CISSP – 2016



Ken MacDonald

Sr. Director of Operations & Maintenance

EXPERIENCE

Ken oversees Boingo's corporate Operations and Maintenance department. In this role, Ken works with the regional Operations team to support Boingo processes, training, break-fix finances, and meeting network performance meets Standard Level Agreements. Ken has over 10 years of telecommunication experience.

PREVIOUS ROLES

Boingo Wireless, Inc.

- Sr. Director, Operations & Maintenance 2022 – Present
- Director, Operations & Maintenance 2020 – 2022
- Director, Integration & Operations 2018 – 2020
- Sr. Field Operations Manager 2016 – 2018

Samsung Telecommunications America

- Project Manager 2012 – 2016

Ericsson/Clearwire

- Field Engineer 2009 – 2012



Randy Moore

Sr. Network Operations Manager

EXPERIENCE

Randy will oversee the team responsible for providing 24x7x365 network monitoring, maintenance, and ongoing operations to ensure optimal uptime and operational efficiency. Randy has over 20 years of experience in network and IT operations and service at EarthLink, Charter Communications, and The Marines.

PREVIOUS ROLES

Boingo Wireless, Inc.

- Sr. Network Operations Center Manager 2023 – Present
- Network Operations Supervisor 2022 – 2023
- Sr. Network Operations Center Analyst 2010 – 2022

Charter Communications

- HSD Specialist 2001 – 2006

5. PROPOSED APPROACH

Describe the services and activities that your firm proposes to provide the Authority. Include the following information:

a. Describe your firm's proposed approach to services and activities described in Exhibit A and Exhibit B. Include information on the overall service tasks to demonstrate your understanding of the Authority's Cellular DAS and Public Wi-Fi needs.

We have included a brief overview below confirming our abilities to meet and exceed the detailed requirements related to a Cellular DAS and Public Wi-Fi system deployment in Exhibits A and B.

ADDRESSING EXHIBIT A: CELLULAR DAS

As BUR is currently undergoing a construction and modernization phase, Boingo possesses real-world experience building networks from the ground up while working in tandem with construction crews onsite. Our project history at various airports reflects the ability to provide high-quality, scalable, and reliable cellular coverage as required in the Exhibit A documents. Specifically, Boingo's past projects show we can deliver:

Design

Boingo understands the critical design requirements for a robust DAS and Wi-Fi solution at BUR. Our award-winning in-house design and engineering team has developed a comprehensive solution encompassing all necessary equipment and components for a converged network. This includes detailed considerations for space requirements within the designated Cellular DAS room, accompanied by drawings illustrating optimal antenna placement. Utilizing ***iBwave** for heat mapping and validation, our design accounts for forecasted user density and data traffic, ensuring increased capacity during peak seasons like the upcoming Super Bowl. The modular design allows for future scalability and expansion into new bands without requiring a complete system overhaul, minimizing costs and upgrade time. Furthermore, Boingo leverages its unique experience in the retail consumer space, with decades of adhering to strict U.S. and California data privacy laws to protect private personal information (PPI), a commitment further solidified by our Fortress Cybersecurity Award.

iBwave link access has been provided to Lana Aguilera. If the Authority requires additional users, please contact **Stephanie Gray.*

Cellular DAS Coordination

As seen on previous projects, Boingo holds weekly and monthly sessions with DBs, carriers, and venue stakeholders. These routine meetings align all parties on project objectives, milestones, and goals, emphasizing steps to meet construction timelines and removing barriers from doing so. More coordination efforts are detailed in the **Project Implementation Plan**. Additionally, Boingo meets with current venue clients and discusses how to upgrade current systems and plan for future technological advancements. Boingo's Sr. Director of Product, Walt Shaw, can meet with the Authority to prepare a one-year technology roadmap. For more information regarding Walt Shaw, view his resume in **Section 4: Project Organization and Key Personnel**.

Construction

Our installation resources include an extensive list of Boingo-qualified local and regional local electrical and low voltage contractors. These top local systems integrators, design houses, architectural and engineering firms, and installation and support contractors help to ensure a

successful installation. Additionally, please see the **Detailed Parts List** for a breakdown of all materials required for this project.

Installation

Boingo confirms our capability to provide, install, and configure all equipment and software as specified in Exhibit A. Our extensive experience with prominent venues in Los Angeles and Southern California ensures our familiarity with and adherence to all applicable codes, ordinances, and regulations. Furthermore, we commit to a clean and organized installation process at every venue and strive to minimize any potential damage to existing infrastructure. Our design also includes enhanced Wi-Fi coverage for the garage.

Implementation

Boingo’s project implementation plan details our processes regarding listed items such as labeling, relocations, and testing of all cables. Aligning with BUR’s Passive Intermodulation Testing, Boingo utilizes Passive Intermodulation (PIM) rated components and shielded cabling to prevent interference with physically adjacent systems. Careful consideration is taken during installation to be sure coaxial cables are clear of any other public safety cables in common cable trays or conduit paths. All cabling and jumpers are checked to be sure dissimilar metals are not used and that all metals are corrosion resistant to prevent PIM on aging cable structures. Adequate sealing and weather proofing of connections is also a quality assurance check for PIM prevention.

Performance Testing

Our Test Plan Methodology, detailed below, is a comprehensive network test program which can be customized to include all requirements listed in Exhibit A. Additionally, Boingo confirms we will submit any test plans to the Authority and carriers for inspection and approval. As seen throughout our portfolio of venues, Boingo undergoes a detailed test plan methodology and works with the carriers for any specific testing. Boingo confirms that all testing will be done in the operation and maintenance phase. Please see below for a detailed description of Boingo’s test plan methodology.

TEST PLAN METHODOLOGY			
TYPE	WIRELESS	WIRED / NETWORK	SECURITY
Pre-Work Surveys	Identify existing RSSI, SNR, sources of interference, and current network speeds.	- Review existing network design. - Review network makeup (make/model/software version). - Review network usage trends. - Review network upgrade plan against the current network.	- Review current network security practices. - Review data from the existing SOC/NOC Security monitoring.



TEST PLAN METHODOLOGY			
Phase 1 Upgrade	• Post site survey. • Install aps to facilitate better RF coverage and performance. • Tune RF (where applicable) to provide the best coverage possible for the existing RF environment.	• Update network equipment to provide up to date bugfix/security coverage. • Configure network equipment to operate in the current network.	• Transfer existing firewall policies to net NGFW platform. • Review security policies with stakeholders and make suggestions to the current policies to adhere to industry best practices.
Phase 1 Test / Validation	• Team will validate: • RF coverage • Application performance • Network speeds • Jitter/latency • Post validation QA team will provide documentation and reports for the network performance. • Any issues identified by QA team will be addressed prior to network certification.	• Same as wireless test / validation process.	• Network team will validate NGFW policies to verify they meet the industry best practices and stakeholder requirements.

Operation & Maintenance

Boingo guarantees 99.9% network availability uptime through a proactive and comprehensive network operations center (NOC) equipped with both commercial and in-house tools. This advanced system provides real-time control and visibility, verifying device status and service quality from the customer all the way to the internet or cellular network. This enables the NOC to not only monitor network status and device functionality, but also collect, warehouse, and analyze extensive data for both scheduled and on-demand performance reviews, ensuring strict adherence to Service Level Agreements (SLAs).

Crucially, our system aggregates all detected outages, defects, degradations, and threats into a unified event management interface, triggering a rigorous workflow encompassing verification, impact assessment, severity assignment, communication, diagnostics, and swift dispatch of fix agents. This proactive monitoring drastically reduces restoration times compared to traditional methods that only assess network performance at a more aggregated level. Moreover, event status and resolution are meticulously tracked in a ticketing system with customized update and escalation schedules, guaranteeing timely communication and resolution during critical service-impacting events. For more information, please see our **DAS and Wi-Fi Maintenance Plan**,

which includes our comprehensive preventative maintenance plan, corrective action plan, and performance and usage reports.

Below is an example severity matrix, which can be personalized according to BUR's needs.

SLA - SEVERITY MATRIX		
Severity	Impact	SLA*
Priority 1	70-100% service outage	Notify: 20 Mins
		Resolve: 4 Hrs
Priority 2	30-69% service outage or severe degradation	Notify: 20 Mins
		Resolve: 6 Hrs
Priority 3	5-29% service outage or minor degradation	Notify: 1 Hr
		Resolve: 24 Hrs
Priority 4	<5% service outage and non-service-impacting alerts	Notify: 1 Hr
		Resolve: 3 Days

*Calculated as the meantime over one calendar month.

Boingo's NOC is strategically located across our Los Angeles and Frisco offices. Our dedicated team specializes in turnkey solutions that monitor, manage, and maintain the network in real-time using industry-standard systems. The Escalation Matrix and Notification Types table below details Boingo's process of mobilizing staff members to support incidents at BUR.

NOC ESCALATION MATRIX		
Tier 1 – Network Operations Support (NOC)	Boingo NOC	noc@boingo.com 877-726-4646 Hours: 24/7
Tier 2 – Sr. Manager, NOC	Randy Moore	rmoore@boingo.com (310) 405-8520 Hours: 24/7
Tier 3 – VP, Network Operations	Steve Moller	smoller@boingo.com (310) 309-5903 Hours: 24/7

Additionally, Boingo uses a strict Change Management policy, regardless of whether the change has any customer impact. Any time a system is modified, a change ticket must be opened and approved before completing any activity. A Change Management call occurs every day at noon, during which each change is reviewed by the person implementing the change. Emergency changes can be completed as needed without prior approval and are reviewed the following day on the change management call before the ticket is closed. Once approved, the change will occur as scheduled, and the ticket will be closed. Detailed reporting of changes can then be tracked and used to identify common issues or evaluate forensic systems.

Change Ticket Example

The screenshot displays a 'Change Management' ticket interface for ticket ID CHG-328272. At the top, there is a navigation bar with options: Edit, Add comment, Assign, Log Time, Add Expense, Plan Time, and a More dropdown. The main content area is divided into several sections:

- Details:** Type: CHG - Minor; Priority: Normal; Status: CERTIFIED; Resolution: Done; Fix Version/s: None. Other fields include Affects Version/s: None, Component/s: None, Labels: None, Location Region: South, Location: , and Change Category: DAS - Activation/Deactivation - Carrier - Minor.
- Description:** None.
- Attachments:** A section with a 'Drop files to attach or browse' prompt.
- Sub-Tasks:** A list of tasks, with one task '1. Task' marked as 'COMPLETED' by 'James McLean' with a progress bar.
- Tempo:** A section with a message: 'THERE ARE NO ACTIVITIES FOR YOU TO SEE FOR THIS ISSUE. You have not recorded any activity on this issue.' It includes buttons for 'Log Time', 'Plan Time', and 'Add Expense'.
- Structure:** A section with a gear icon and a link to 'Your Jira'.
- Activity:** A section with tabs for All, Comments, Work Log, History, Activity, Source, and Reviews. A comment is visible: 'Dev Server added a comment - 16/Feb/23 2:16 PM' with the text 'Approved by: Daniel Wojciechowski'.

On the right side, there is a sidebar with sections: People (Assignee, Reporter, Voter, Watchers), Dates (Created, Updated, Resolved), Time Tracking (Estimated, Remaining, Logged, Include sub-t), Collaborators, Development (Create branch), Agile (View on Board), and PagerDuty (Login with PagerDuty).

ADDRESSING EXHIBIT B: PUBLIC WI-FI

Boingo's expertise in deploying and managing public Wi-Fi networks at airports and other venues indicates a strong capacity to meet the requirements of Exhibit B. We acknowledge the requirements set forth in Exhibit B, and will provide the Authority with:

Design

Boingo will leverage our expertise in building and managing robust, revenue-generating, and compliant Wi-Fi networks. Our solution ensures seamless roaming, providing passengers with uninterrupted connectivity as they navigate the airport. We will utilize our experience in commercial Wi-Fi deployments to maximize revenue generation through strategic advertising and partnerships, including monetized splash pages and potential cellular offload on the Wi-Fi network. Furthermore, Boingo's infrastructure will incorporate multi-band support, encompassing

the latest Wi-Fi standards such as 2.4 GHz, 5 GHz, and 6 GHz along with Bluetooth 5 (BLE5) capabilities. Above all, Boingo remains committed to regulatory compliance, adhering to all applicable policies and regulations set forth by the FCC, the State of California, and the City of Burbank.

Construction

Boingo’s previous experience details our success in performing all associated tasks, including coordination with DB contractor requirements, at other projects similar to the new construction and modernization at BUR. For further information, see the proposed **Implementation Plan**.

Installation

We are experts at installing, testing, and commissioning high-capacity public Wi-Fi systems. Boingo will submit all design details, including physical locations of all devices in AutoCAD, to the Authority for approval prior to commencement. Additionally, we have provided the Authority a detailed **Parts List**, featuring all system components. Boingo also agrees to work with the Authority to upgrade APs every five years, or as needed.

Operations and Maintenance

Boingo prioritizes security with advanced measures like WPA2 Enterprise, WPA3, and 802.1X authentication. We maintain consistent Wi-Fi performance through a comprehensive network monitoring plan and offer 24/7 user support to ensure high satisfaction. For more information, please see our **DAS and Wi-Fi Maintenance Plan**.

Testing

Boingo is committed to providing quality networks for our partners. As part of this commitment, we conduct comprehensive interference testing and analysis to protect Public Safety frequencies used by operational personnel, concession staff, and security from interference. When a commercial carrier proposes collocating its wireless system in the same structure as a Public Safety system, several interference scenarios exist to evaluate. To determine if interference is anticipated, Boingo will conduct an Intermodulation Analysis. This study will assess the following sources of interference:

- Transmitter Noise; Receiver Desensitization.
- Transmitter Inter-modulation; Receiver Inter-modulation.
- Transmitter Spurious Radiation; Receiver Spurious Radiation.
- Co-Channel Interference; Adjacent-Channel Interference.
- Any other additional tests required by the Authority, including FAT and UAT.

Additionally, Boingo’s dedicated quality assurance team ensures the quality of all work and will use the testing objectives and strategies below to provide a seamless connection for all network users. Boingo also confirms that our staff have at least three years of hands-on experience and official training with the proposed technology.

BOINGO QUALITY ASSURANCE TESTING STRATEGY OVERVIEW		
ITEM	TESTING OBJECTIVE	TESTING STRATEGY



Network Coverage	• Coverage throughout required service areas in the scope of work.	• Boingo QA and Operations teams conduct site survey walks, using specialized tools to verify that our wireless networks provide adequate coverage throughout all areas within scope.
Network Quality	• Performance for each venue's service type. • User experience for each unique service type.	• Leverage our quality assurance test plans that assess the user experience. • QA team measures network speed (signal strength, upload/download speed, latency, and other network aspects) from user perspective.
Service Availability & Monitoring	• 24x7x365 service availability. • 24x7x365 monitoring and uptime per specified SLAs.	• QA and Network Operations Center (NOC) teams use data generated via our systems (log files) and production systems. (traps/alerts) to validate that all areas within our networks are performing at optimal levels and available for our end users.
End User Access and Authentication	• In-venue user onboarding and authentication for service type. • Lab testing to replicate in-venue user experience.	• QA tests that end users can get online through various methods, including via: – Connection Portal – Passpoint – MAC Authentication – Boingo's Wi-Finder App • QA team conducts in-venue testing with various tools to: – Track test cases and defects (bugs). – Confirm the performance of Boingo systems (software, hardware, networks). • For diagnoses and fixes, we can extend any venue's physical network into our state-of-the-art lab to mimic real production issues. – Our state-of-the-art lab examines different access points (APs), RF chambers, various devices (laptops, tablets, mobile phones) and QA team-specific systems for testing pre-production code. • QA team uses various trailblazing tools (Ekahau, iBwave Scanners, Spirent Load Test Generation Tool, nPerf, Speedtest, etc.) to measure different network/RF characteristics. • QA team utilizes in-house and commercial automation tools (SILK, Selenium, Epitiro, Visualware, etc.) to automate test execution and monitor venue networks.

Documentation

To document progress and stay on schedule, Boingo will conduct regular project status meetings with the Authority and the wireless carriers. Boingo will facilitate project documentation and status

reports. Reports will outline project progress with the percentage of tasks and subtasks completed, major milestones, issues, proposed mitigation, scheduled changes, and/or any other related information for the Authority and wireless carriers to assess the status of the project adequately. Documentation will be maintained on site in paper and electronic format to include but not limited to:

- As-Built Documents, APs and Associated Components Settings and Configuration, and wireless system diagrams
- Drawings and pictures depicting the location of each wireless device
- Operations and Maintenance and Equipment Manuals
- Maintenance Schedule, Preventative Maintenance Records, and Repair Records
- Maintenance Company Contact Information
- Troubleshooting Guide
- Product Data and Manufacturer Cut-Sheets
- Warranty Information and Contact
- Manufacturer's Product and Installation Certificate
- Logs of field test data (permanent users, troubleshooting, replacement, expansion, and replacements)
- Labeling Scheme
- Spare Parts List

Spares

Boingo provides a spare management plan for all venues. The Boingo Operations team will work to have 5%-10% spares available for BUR. Critical components are preferably stored at the venue. If not, the local Field Engineer or subcontractor will hold on to it. At the same time, non-critical parts that are needed regularly will be kept regionally at a warehouse or with a subcontractor. All other parts are held centrally at a warehouse where the team can "order" gear via overnight shipping.

Software and Licenses

Boingo confirms to provide the Authority with all manufacturer-released, developer-released, proprietary, and non-proprietary software and firmware upgrades and respective licenses for wireless systems, at no additional costs. Also, detailed in the following sections for the Authority, Boingo has included our upgrade methodology to ensure that the system remains up to date with all software upgrades.

Warranty

Boingo confirms that the warranty for the Wi-Fi solution will begin once it has been accepted at BUR. We will provide electronic copies of all warranties and system documents. Additional warranty information is detailed in sections below.

b. Detail the allocation of tasks within the Respondent's team and describe the involvement of Authority staff in the process.

CORE SERVICE TEAM



POINT OF CONTACT FOR THE AUTHORITY

Stephanie Gray, Sr. Director of Business Development

Stephanie leverages over 12 years of experience working in the wireless industry and brings a comprehensive background from all major facets of the wireless ecosystem, including her roles with Powerwave Technologies, BTI Wireless, RF Connect, Mobilitie, and Airwavz Solutions. She has successfully developed strategic national relationships with large public venues having negotiated over 70 agreements with owners across the commercial real estate, hospitality, transportation, retail, sports and entertainment, higher education, and healthcare verticals. Some of these venues include Las Vegas Convention Center, Dream Hotel, Palms Hotel and Casino, Venetian Resort, Ball Arena, Dick's Sporting Goods Park, Bay Area Rapid Transit (BART), Camping World Stadium, Soboba Hotel and Casino, BMO Stadium, City National Plaza, Sound Transit, and the Tacoma Dome. Stephanie received her B.A. in International Affairs from John Cabot University in Rome, Italy.

BUR Responsibilities

For BUR, Stephanie will be the cross-functional liaison during contract negotiations and lead discussions with Boingo's carrier team.



PROJECT MANAGER

Adam Smith, Program Manager – West

Adam manages all designated projects and their associated budgets and schedules, including coordinating all deliverables and requirements of the cross-functional project team that comprises internal and external customers. His experience includes managing network installations and deployment at Phoenix International Airport, Intuit Dome, University of Arizona McKale Center, Bell Bank/Legacy Sports Park, Gila River Resorts and Casino, and the private wireless network for Costco locations nationwide. Adam has served the wireless industry since 1999, working with leading OEM Ericsson as senior Construction Manager and Alcatel/Lucent as Construction Manager. He also partnered with the AT&T Wireless affiliate, Cricket Communications, to roll out their initial personal communications service (PCS) networks in Denver, CO.

BUR Responsibilities

Adam will serve as the dedicated Operations contact for the project, ensuring availability for core business hours. Adam will work on site.



CORPORATE ACCOUNT MANAGER

Jason Eley, Senior Account Manager

Jason is a telecommunication professional with over a decade of experience specializing in airport Wi-Fi solutions. Over the past seven years, he has managed Boingo's airport accounts, focusing on optimizing connectivity. Jason actively contributes to crucial technology projects at airports, including Passpoint migrations and tenant service enhancements.

BUR Responsibilities

Jason will act as the cross-functional liaison throughout the contract lifecycle.



Bryan Thackwell, Senior RF Engineer

Bryan will be the lead system architect for the solution. He will create network designs from the conception through final phases and provide engineering support during launch, testing, POC, and pilot phases.

BUR Responsibilities

For this project, Bryan will be the lead system engineer for the wireless infrastructure. He will create network designs from the conceptual through final phases and provide engineering support during launch and testing phases.



Brian Churchman, Senior Director of Operations

Brian is responsible for overseeing the execution of Boingo's DAS networks on the West Coast and is a crucial touchpoint for our partners. He plays a major role in the deployments at Gonzaga University, F5 Tower/The Mark, Spokane Veterans Memorial Arena, Xfinity Arena, Salesforce Transit Center, and Delta Center. Prior to joining Boingo, Brian worked as a Project Manager at Vinculums where he served as the single point of contact arranging transport for AT&T Special Events COWs (Cell Sites on Wheels). His experience spans all project phases from site walks to planning to install. He also worked at Sprint as an RF Tech II where he was responsible for the performance of San Francisco Sprint and Nextel cellular networks.

BUR Responsibilities

Brian will manage the design and construction phases of the project and future upgrades and expansions.



Ken MacDonald, Sr. Director of Operations and Maintenance

Based out of Los Angeles, Ken is the Senior Director of Operations & Maintenance and oversees the day-to-day activities at Boingo's live venues. With a team of Boingo Field Engineers and Operations Managers, they manage DAS, Wi-Fi, CBRS, and Small Cell networks across the country at large commercial venues like SNA, LAX, HNL, PDX, ORD, Soldier Field, World Trade Center, and University of Arizona. Ken takes a proactive approach to managing networks and systems, getting ahead of issues or preventing them altogether.

BUR Responsibilities

Ken will oversee corporate Operations and Maintenance. Ken works with the regional Operations team to support Boingo processes, training, and break-fix finances while ensuring network performance meets SLAs.



Paul Martire, Manager of Security Compliance

Paul leads the cybersecurity program at Boingo, overseeing governance, risk, compliance (GRC), and security operation activities to mitigate risks and meet compliance requirements.

BUR Responsibilities

Paul will verify BUR and Boingo security risks are mitigated and that compliance requirements are met.



Walt Shaw, Senior Director of Product

Walt manages the converged network solution for Boingo, overseeing the product development, delivery, and technology roadmap for public/private cellular, Wi-Fi, and IoT.

BUR Responsibilities

Walt will work with the Authority to provide a technology roadmap for the public/private cellular and Wi-Fi system in addition to ideating innovative use cases on both networks.



Randy Moore, Senior NOC Manager

Randy has over 13 years of experience operating within Boingo's 24/7/365 NOC and Service Desk center. Randy and his team will support the Owner by providing 24/7/365 remote monitoring and support of the Airport's network, adeptly and quickly resolving any issues that may arise. Currently, he oversees Boingo's incident management, change and release management, and service management for venues around the globe.

BUR Responsibilities

Randy will oversee the team responsible for providing 24/7/365 network monitoring, maintenance, and ongoing operations.

EXECUTIVE SUPPORT

EXECUTIVE SPONSOR

Michael Zeto, Chief Commercial Officer

Michael is an established industry thought leader, recognized for driving innovation and growth and receiving multiple recognitions and awards. He mentors and advises early-stage entrepreneurs throughout the U.S. and speaks at events to promote innovation, entrepreneurship, and intrapreneurship.



Justin Bushee, Vice President of Business Development

Justin leads our Business Development team, anticipating and identifying client needs, as well as delivering innovative solutions that exceed venue and customer expectations. Justin brings over 15 years of experience in the wireless industry leading various sales organizations at AT&T and Sprint.



Rachel Rea, Senior Vice President of Operations

Rachel builds and operates wireless networks throughout the Northeast and is a recognized technology leader known for creating a strategic vision with a practical and efficient execution to achieve business goals. With over 20 years in the wireless industry, she has managed Business Development, Sales, RF Engineering, Project Implementation, PMO, Budget and Asset Management, Product Innovation, Operations, Real Estate, and Contract Management. Before Boingo, Rachel held national leadership roles with an OEM and a wireless operator. She also currently owns a Certified Women Owned Business. Her industry knowledge and experience, along with her vast network, enables her to creatively design, build, and operate venue-specific neutral-host wireless networks.



Christiaan Roobol, Senior Vice President of Carrier Services

Through executive-level relationships, Christiaan implements strategic partnership programs, bulk transactions, and master license agreements and oversees contract negotiations for network integration. With over 20 years of wireless infrastructure development and operations experience, Christiaan empowers his team is meeting or exceeding Boingo's standards to facilitate building the most advanced wireless networks for our customers. Originating in Research and Development, he is the author of 10 publications in international scientific journals and holder of 10 patents in the wireless industry.

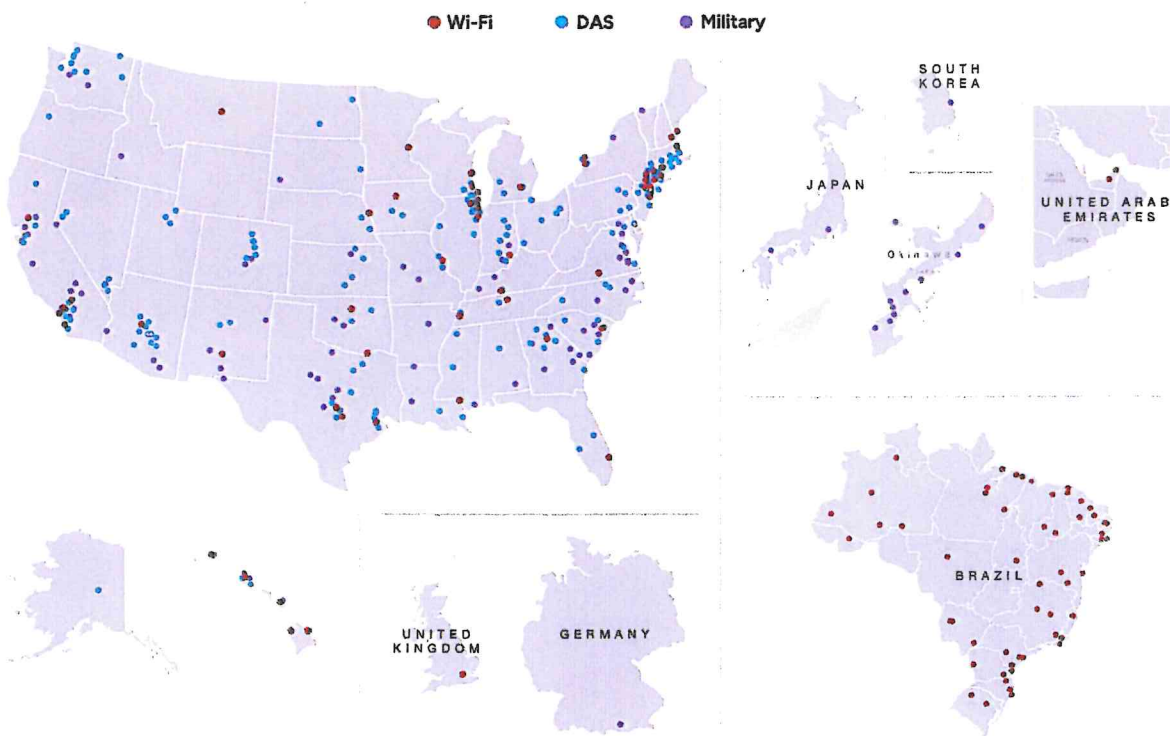


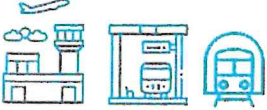
c. Describe any other asset, expertise, experience, data, or technology that provides your firm with a competitive edge or advantage. If you believe that your firm's approach to providing the described services is different or more effective than other firms providing the same services, describe those differences in methodology, staff roles and responsibilities, and documentation processes as applicable.

Boingo simplifies complex wireless challenges to connect people, businesses, and things. A wireless leader for nearly 25 years, Boingo designs, builds, and manages converged, neutral host public and private networks at major venues around the world. Our vast footprint of distributed antenna systems, Wi-Fi, small cells, and macro towers securely powers innovation and connectivity in airports, transit stations, stadiums, military bases, hospitals, commercial properties, and enterprises is unmatched. We are passionate about being the **best** and **elevating world-class customer experience** for our passengers. This is foundational to every Boingo employee, and we believe this is what sets Boingo apart. When you partner with Boingo, this is our commitment to you:

Best in class Neutral-host DAS & Wi-Fi Networks

Boingo is a national leader in the neutral-host DAS model and is known worldwide for fast, free, secure Wi-Fi. We are experts in implementing DAS, private networks, and Wi-Fi services in complex, large-scale, densely populated venues like BUR. We have deployed networks in over 100 airports globally, and as seen in the map below, our expertise extends beyond transportation hubs.

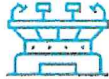




120+
**Air and
transportation venues**



100+
**Military
bases**



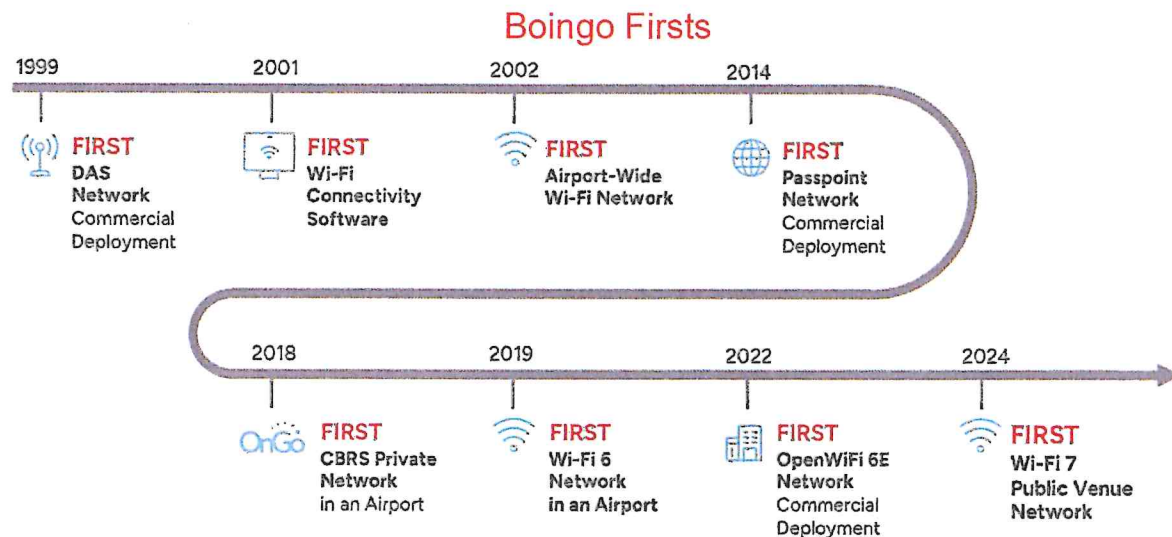
70+
**Major sports and
entertainment venues**

Ongoing Network Upgrades

As technology evolves, passenger expectations increase. And as BUR's infrastructure is poised for reconstruction and modernization, Boingo is ready to respond with little to no downtime. We are pleased to share dozens of examples of expansions and renovations demonstrating our ability to deliver on this promise.

Continuous Innovation

We believe the more we innovate, the better we can help our partners solve the challenges they face. We regularly test and showcase new wireless use cases across industries at [the Boingo Innovation Center](#), effectively shaping the future of wireless connectivity. Additionally, our team serves in leadership positions on industry standards groups, including CTIA, Wireless Broadband Alliance, Wi-Fi Alliance, OnGo (CBRS Alliance), and the Telecom Infra Project.



Federal-grade Security Standards

In addition to serving as the wireless network provider to major airports, we proudly serve the Department of Defense and U.S. military bases. Boingo is trusted to prioritize stringent security parameters for its networks. We meet federal-grade standards and adhere closely to NIST and ISO 27001 cybersecurity frameworks.

Elevated Customer Experience

It isn't enough to say that we are the largest operator of airport DAS, Wi-Fi, and private networks in the U.S., At Boingo, we prioritize quality over quantity and design wireless networks that place passenger experience front and center. Boingo's network deployment and management expertise is validated by recognized and revered industry groups, rating agencies, and surveys. A few accolades and honors include:

- **2024 WBA Industry Award Best Customer Experience:** Transforming the Customer Experience at Grand Central Madison
- **2024 Leading Lights for Driving Digital Transformation:** Modernizing the MTA's Atlantic Branch with Next Generation 5G & Wi-Fi
- **J.D. Power 2024 North American Airport Satisfaction Study:** Connectivity provider for the top four mega airports ranked highest in customer satisfaction
- **2023 Airport Service Quality Award (ASQ) for Best Airport:** LaGuardia Airport
- **2023 ACI North American Airport Traffic Report:** Connectivity provider to half of the top 50 busiest airports
- **2023 Best Wi-Fi Network Operator:** Wireless Broadband Alliance Awards
- **Skytrax 5 Stars:** Connectivity provider to two of the three North American airport terminals awarded
- **12-time Best Wi-Fi Service Winner:** Global Traveler annual survey
- **Winner:** Aviation Pros' Project of the Year for LaGuardia Terminal B redevelopment

Wireless Awards



Winner
Solution Provider of the Year



Winner
Driving Digital Transformation



12-Time Winner
Best Wi-Fi Service



Winner
Judge's Choice Award



Winner
IoT Network Solutions



Moments of Excellence Award
Commercial Broadband Network



Winner
Best Wi-Fi
Customer Experience 2024



CTO of the Year
Dr. Derek Petersen



HIRE Vets Medallion
8 consecutive years

A World-Class Wi-Fi Network with Additional Revenue Streams

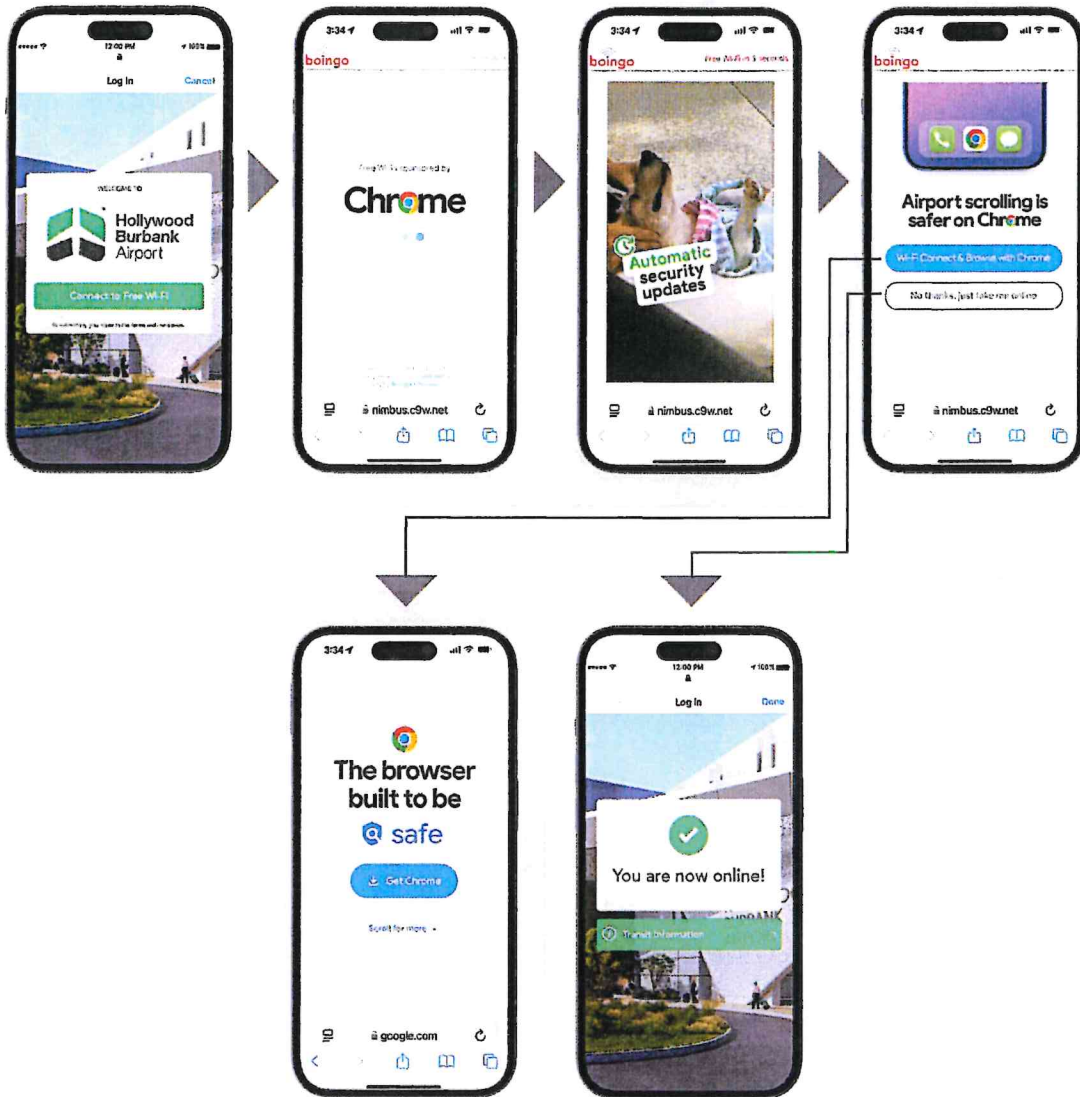
Boingo's Wi-Fi solutions can power advanced 5G services with high speeds, low latency, power efficiency, and enhanced security. Our networks are SMART, an acronym for Secure, Multi-Platform, Analytics-Driven, Responsive, and Tiered, which describes the core elements delivered through Boingo's network gateways. Boingo's gateways can discern what type of device is making a connection request and provide the proper experience.

Our flexible interface can also drive user engagement and monetize the Wi-Fi network with advertising and media, offloading, custom splash pages, and unlimited free public Wi-Fi. Boingo's digital platform includes the following:

- An award-winning advertising platform that can enable the Authority to monetize networks, generating additional revenue streams, and enhance marketing efforts.
- An additional digital platform that can expand your media offerings by boosting sponsorship opportunities and increasing your digital capabilities.
- A comprehensive suite of media marketing tools to increase revenue streams.

BUR Landing page

Video ad flow



A Local Partner

With 170+ employees who call **California** home, we are excited to partner with the Authority to support Southern California's economic and residential growth. Our local portfolio includes many iconic venues throughout SoCal, as well as our LA office and NOC located just 30 minutes from BUR.



Key Staff and Responsibilities

Boingo's most valuable asset to the Authority is our staff. Each member brings extensive experience delivering state-of-the-art wireless solutions that position venues like BUR to meet and surpass growing connectivity demands. Below is an overview of BUR's dedicated Key Staff. More information about their experience and qualifications can be found in section, **4. Project Organization and Key Personnel.**

KEY PERSON	ROLE	PROVISION OF SERVICES	% OF TIME
Stephanie Gray	Senior Director, Business Development	Contract Negotiation	70%*
Bryan Thackwell	Senior RF Engineer	Wireless Systems Design	35%
Brian Churchman	Senior Director, Operations	Construction / Installation	20%
Ken MacDonald	Senior Director, Operations	Operations & Maintenance	30%
Adam Smith	Program Manager, West	Onsite Project Management, Safety Compliance	100%
Jason Eley	Senior Account Manager	Cross-functional liaison throughout the contract lifecycle	40%

Randy Moore	Senior NOC Manager	Execute NOC SOP Provide BUR network incident reports Ensure all service-related concerns are addressed and resolved	30%
Paul Martire	Senior Security Compliance Engineer	Security - Cyber Security - Physical	20%
Walt Shaw	Senior Director, Product	Technology Roadmap Development Use Cases Analytics and Reporting	30%
EXECUTIVE SUPPORT			
Mike Zeto	Chief Commercial Officer	Executive oversight, approvals	5%

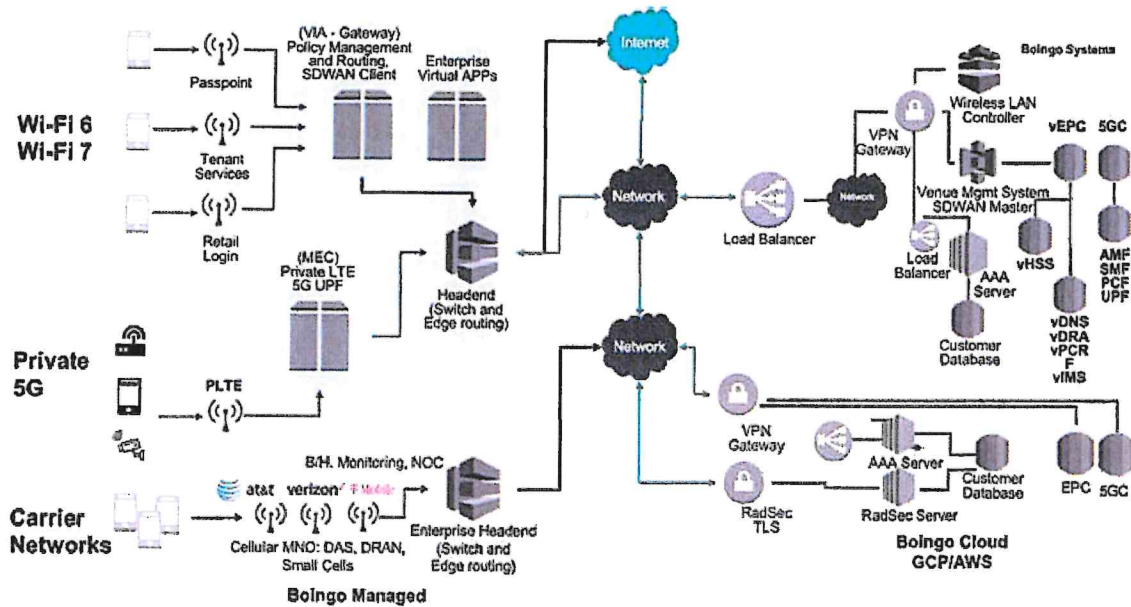
*Stephanie will dedicate her time solely to the Authority during the contract negotiation to ensure the we meet proposed timelines. Boingo also confirms that we will have team members on standby to assist when any of the proposed core services are absent or unable to assist. We will provide bios and resumes for those members as needed.

d. Provide technical information on your proposed solutions that will encompass the following: Provide a complete design for the solution that includes system architecture, antenna placements, heatmaps, network prerequisites, security protocols, power and cooling needs, space allocations (for IDF and main headend rooms), and potential scalability plans.

System Architecture

Boingo's approach to developing BUR's technology guidelines centers on a secure, modular, and open 5G DAS architecture designed for adaptability. This future-proof design is technology and frequency agnostic, enabling easy accommodation of new spectrum releases, emerging industry standards, and terminal modernization. We'll collaboratively develop roadmaps with carriers, OEMs, and BUR to explicitly incorporate future technologies. Boingo's high-availability, redundant distributed wireless network leverages dedicated data centers, cloud services, VPN/SD-WAN secure tunnels, and integrates with BUR's LAN/WAN. We manage premises switches, routers, firewalls, and local virtual servers hosting local virtual functions to support BUR applications. See below for a visual representation of a Boingo converged network.

BOINGO'S NETWORK INFRASTRUCTURE CAPABILITY



Illustrative example of Boingo's full capability in providing converged network solutions. Note, private network is not included in the BUR response.

We also use cloud function assets hosted in Boingo Data Centers and AWS and GCP clouds. All the network devices herein will be certified against our NOC and cybersecurity criteria.

DAS Architecture

For this proposal, Boingo recommends a SOLiD DAS. SOLiD's network architecture meets and exceeds the network performance requirements outlined in the RFP and will allow for efficient deployment based on the venue characteristics and each carrier's current requirements. In addition to Boingo and SOLiD's track record of success in airport deployments, Boingo considered the following factors when selecting our proposed OEM:

- Meets technical requirements outlined in Exhibit A of this RFP.
- Carrier-approved platform and equipment provider with relevant experience in major transportation hubs, including:
 - O'Hare International Airport
 - John F Kennedy International Airport
 - La Guardia Airport International Airport
 - Austin Bergstrom International Airport
 - Portland International Airport
 - John Wayne Airport
 - Sacramento International Airport
- 3-year standard Warranty with advanced replacement (next day).
- Low rate of failure <1% out of box failure rate.
- Equipment features that are currently available and suitable for deployment.
- Up-to-date product roadmaps for expanded capabilities.
- Ease of future upgrades and expansion.
- Equipment availability and delivery times.

If project stakeholders wish to review alternative solutions during the initial design process, Boingo would be happy to share pricing and design approach for another carrier-approved OEM, such as CommScope, Corning, or JMA. Boingo is technology-agnostic and has vast experience and relationships with other leading equipment manufacturers.

Areas of Coverage

We understand that the passenger journey is not just within the walls of the Replacement Passenger Terminal and have provided a design and solution that will elevate the overall connected experience with end-to-end coverage and capacity. Our design includes cellular coverage and capacity in the following areas:

Design Details: 3 sectors

- 1. Replacement Passenger Terminal
- 2. Passenger Arrivals/Departures
- 3. Apron (Entire Tarmac, Gates)

The RPT, Passenger Arrivals and Departures, and Apron are designed to provide excellent 5G coverage and capacity as passengers enter, travel through, and exit the facilities. Additionally, the network is planned to handle operational traffic for staff, tenants, and visitors.

Frequency Plan:

TMO: 1900,2100 and 2500 MIMO
AT&T: 700,850,1900,2100,2300 and C-Band. MIMO
VZW: 700,850,1900,2100 and C-Band. MIMO

4. Parking Garage

The Parking Garage is designed to provide excellent coverage for passengers, visitors, staff, and EV Charging stations. The SISO design will meet the requirements of the specifications of the RFP, offer excellent user experience, and will be provided to the carriers at a cost point that is proven to increase their propensity to invest.

Frequency Plan

TMO: 1900,2100 SISO
VZW: 1900,2100 SISO
AT&T: 1900,2100 SISO

Power & Cooling Needs

As indicated in the network design, the active network equipment will be installed in the headend (DAS room) and designated IDF locations throughout.

Headend Location

EQUIPMENT	WATTS	BTU/HOUR	RACKS
Neutral Host (Boingo)	760	2,593.31	2
Verizon	1,200	4094.57	2
AT&T	1,200	4094.57	2
T-Mobile	1,200	4094.57	2
Total	4,360	14,877.02	8



Note: Carrier equipment specifications modeled after similar deployments. Carriers will provide exact requirements for their BTS equipment during the design review process.

HVAC

In the headend location, Boingo will require two (2), Two-Ton HVAC units to provide adequate cooling for the anticipated heat from the active gear and can accommodate additions during the term.

Power

Boingo will require four (4) 100A panels 120/208v in the headend room. Our requirements take future growth into consideration. Power will be sub metered as required in the Concession Agreement.

IDF Locations

EQUIPMENT	WATTS	BTU/HOUR	WALL SPACE
Remote Unit (2) 5-Watt Sub-3 + 1 C-band RU	1,797	6,130	6'x6'
Remote Unit (4) 20W Sub- 3+1 C-band RU	2,829	9,652	6'x12'
Total	4,626	15,782	-

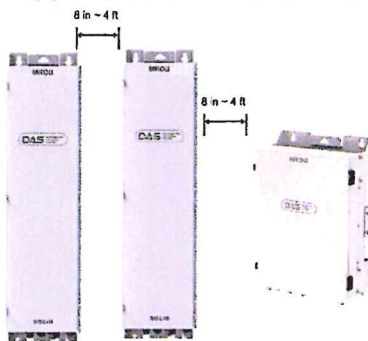
Power

Boingo will require a standard quad 120v receptacle.

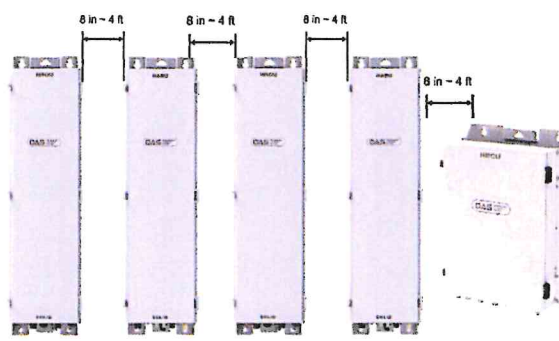
Space Allocations

Boingo will locate the neutral host headend and carrier BTS equipment in the DAS headend room provided by the Authority's floor plans. Boingo will need approximately 200 sq ft to accommodate the eight projected 19" racks. In the IDF locations there are two configurations with varying space needs. The low power (5W) Remote Unit configuration will be installed on a 6 ft x 6 ft fire rated backboard. The high-power (20W) Remote Unit configuration will be installed on a 6ft x12 ft fire rated backboard.

Low-Power IDF Configuration (2) 5-Watt Sub-3 + 1 C-band RU



High-Power IDF Configuration (4) 20W Sub-3 + 1 C-band RU



Scalability Plans

Boingo's approach to developing technology guidelines for BUR prioritizes a forward-thinking and adaptable strategy. Our methodology centers around creating secure, modular, and open 5G DAS architecture agnostic to specific technologies and frequencies. This design philosophy ensures that the system can readily accommodate future advancements, including new spectrum releases by the FCC and adopting emerging industry standards.

One of the advantages of utilizing the SOLiD DAS equipment is the platform's modular, scalable design, which allows for expansion to future band/technologies without having to overhaul the system, reducing cost and impact to venue operations. Like the neutral host equipment, the modular design of the remote units provides a low impact maintenance action in the rare instance of an amplifier failure (<1%). If a failure occurs, the amplifier is simply swapped with a new module. This drives reduction in downtime should failure occur.

Boingo will work collaboratively with carriers and BUR to develop detailed roadmaps that explicitly account for these future technologies throughout the process. We will also engage with application and IoT providers to explore and refine use cases that leverage 5G's advanced capabilities, addressing communication challenges and costs that may have existed previously. By focusing on scalability and expandability, Boingo ensures the DAS solution can adapt to the current and planned needs of BUR stakeholders.

Wi-Fi Architecture

Boingo has carefully reviewed the requirements for the Public Wi-Fi Additive Alternative outlined in Exhibit B. We recommend Extreme Networks equipment to deliver a robust, cutting-edge solution that is scalable, highly reliable, and proven to perform in dense airport environments. Our Wi-Fi design and approach will help to streamline operations, improve passenger satisfaction, and stay ahead of the ever-evolving demands of modern air travel. Boingo considered the following factors when selecting our OEM:

- **Scalable Network Infrastructure.** Extreme's solution is built on latest generation technology and offers a scalable network infrastructure that is specifically designed to support high-density environments like airports, ensuring reliable connectivity even during peak times. Future-proof technology allows for easy expansion to accommodate growth and the introduction of new technologies. Additionally, Extreme's solutions offer flexible deployment options, enabling seamless scaling across various locations and environments to meet evolving demands.

- **High Reliability & Security.** Extreme integrates robust security features across all infrastructure components, ensuring data protection and network resilience against potential threats. The solution is designed to deliver high reliability with minimal downtime, crucial for maintaining seamless airport operations. Network segmentation and advanced security protocols further enhance the security posture, providing a secure environment for both operational and customer-facing services.
- **Enhanced Warranty Option.** Extreme has committed to begin the equipment warranty at the time of equipment installation and acceptance as requested in the RFP. Additionally, indoor AP's have a lifetime warranty and Extreme does not void the warranty on their AP's if painted. This is advantageous for a newly constructed terminal where aesthetics is paramount.
- **Trusted by Top 25 State-of-the-Art Airports & Transportation Agencies:** Extreme has extensive experience supporting airports around the globe including Harry Reid International Airport, Philadelphia International Airport, Charles de Gaulle Airport, and Logan Airport, among others. Their proven expertise in designing and deploying networks in complex environments like airports and large venues is well-established.



Boingo is pleased to propose a Wi-Fi 7 solution that will deliver a highly reliable, seamless, and elevated connectivity for passengers at Hollywood Burbank Airport.

113 Total Access Points (APs)

- 67 AP5020 WiFi7 Omni APs in the Main Terminal
- 16 AP5050D WiFi6e Directional APs in Main Terminal Outdoor Pickup & Dropoff location
- 14 AP5020 WiFi7 Omni APs in Basement
- 16 AP5020 WiFi7 Omni APs on 2nd Level

AP Transmitter Power

The AP's maximum output power is 23dBm. Our initial design will be tuned at 14dbm transmit power—a best practice for design is to include margin for optimization when the RPT is under load.

Speed/Users

Dense design that will support the 100mbps up/100mbps down requirement for 100 concurrent users.

Space

6 Total IDF's, consisting of:

- 4 in Main Terminal
- 1 in Basement
- 1 on 2nd Level

Antenna Placements & Heatmaps

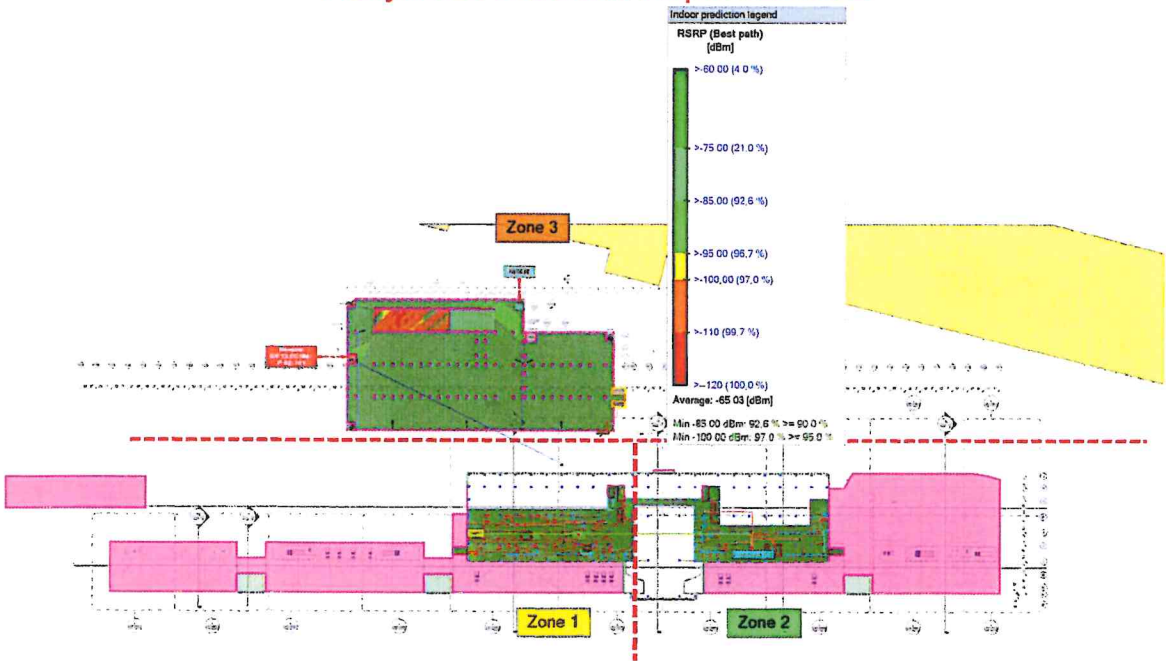
Please see below for antenna placements and heat maps for the DAS and Wi-Fi solution.

DAS

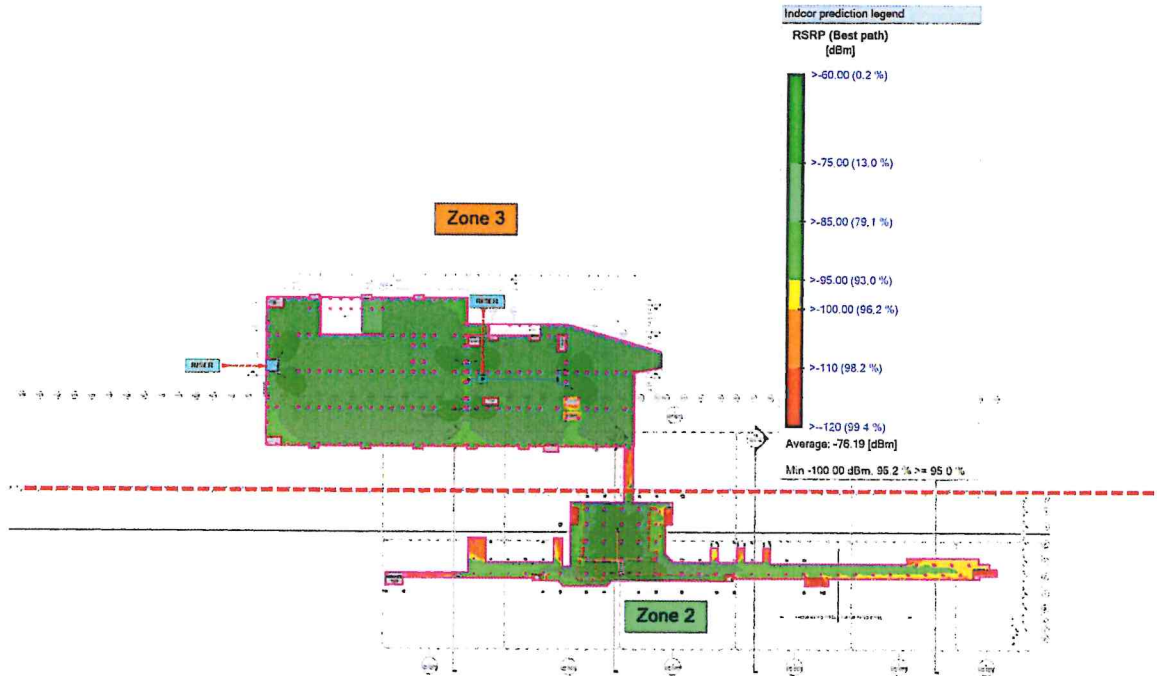
Hollywood Burbank Airport Level 1



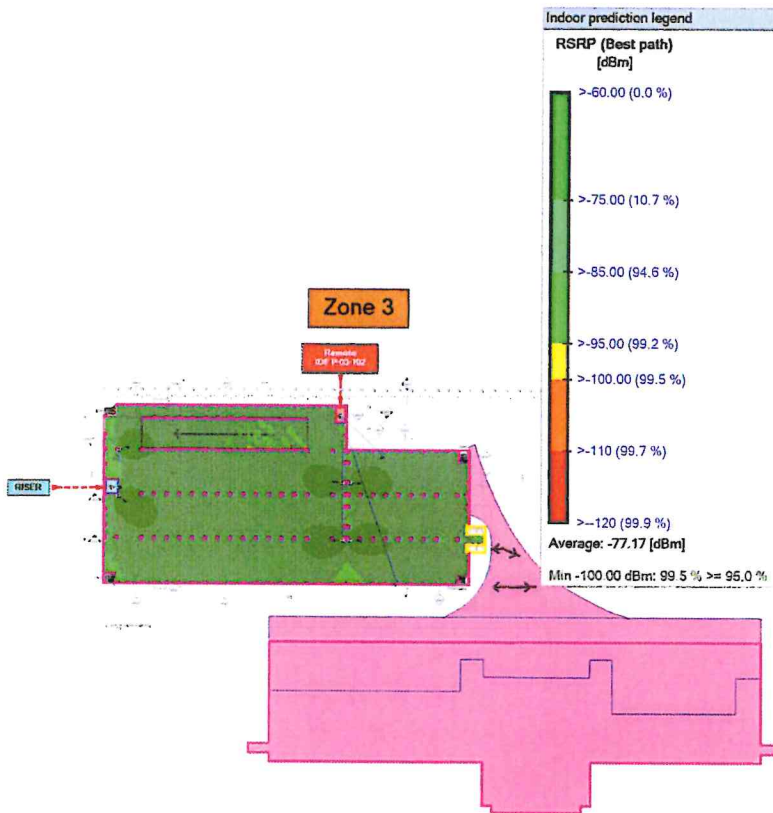
Hollywood Burbank Airport Level 2



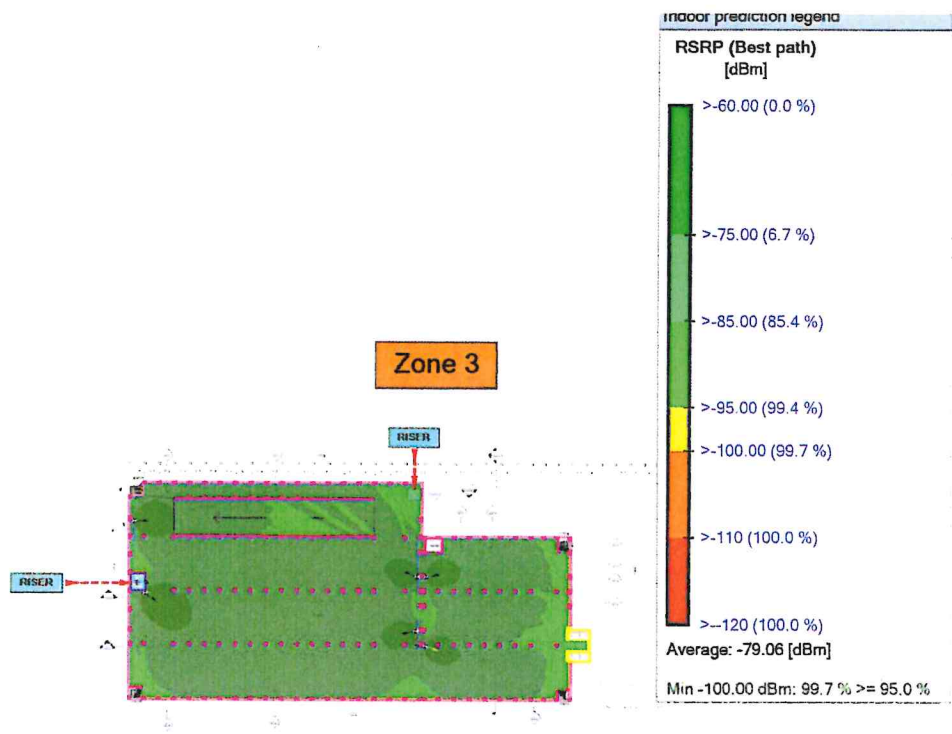
Hollywood Burbank Airport Level B1



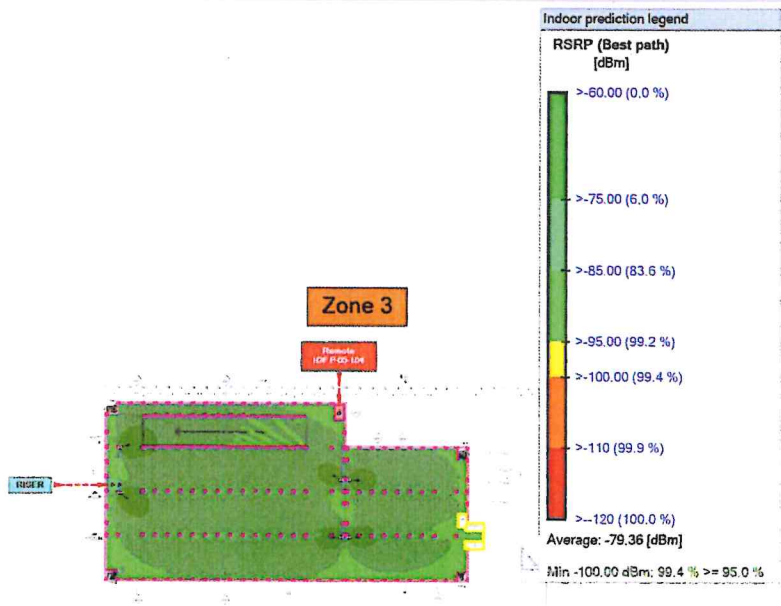
Hollywood Burbank Airport Parking Level 3



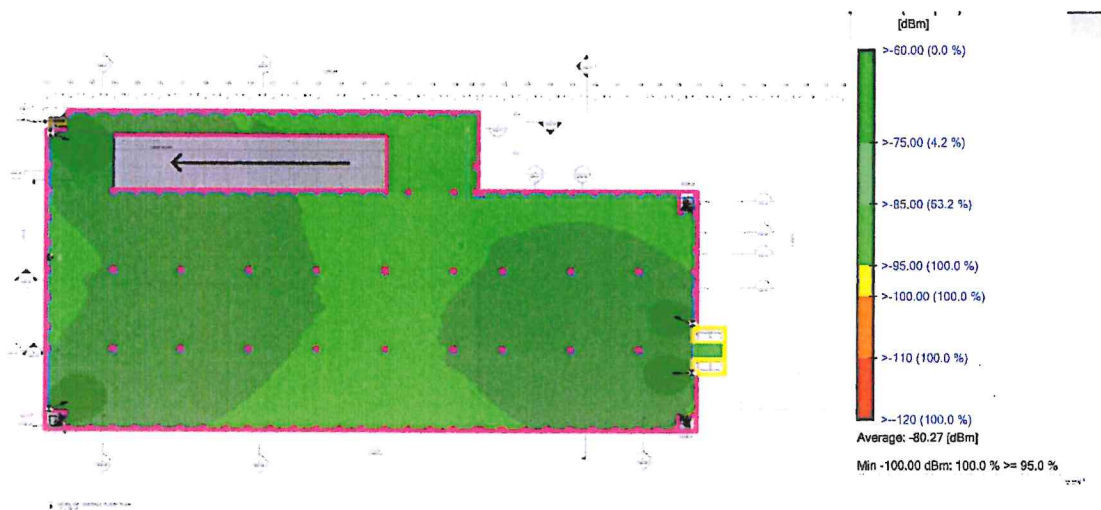
Hollywood Burbank Airport Parking Level 4



Hollywood Burbank Airport Parking Level 5

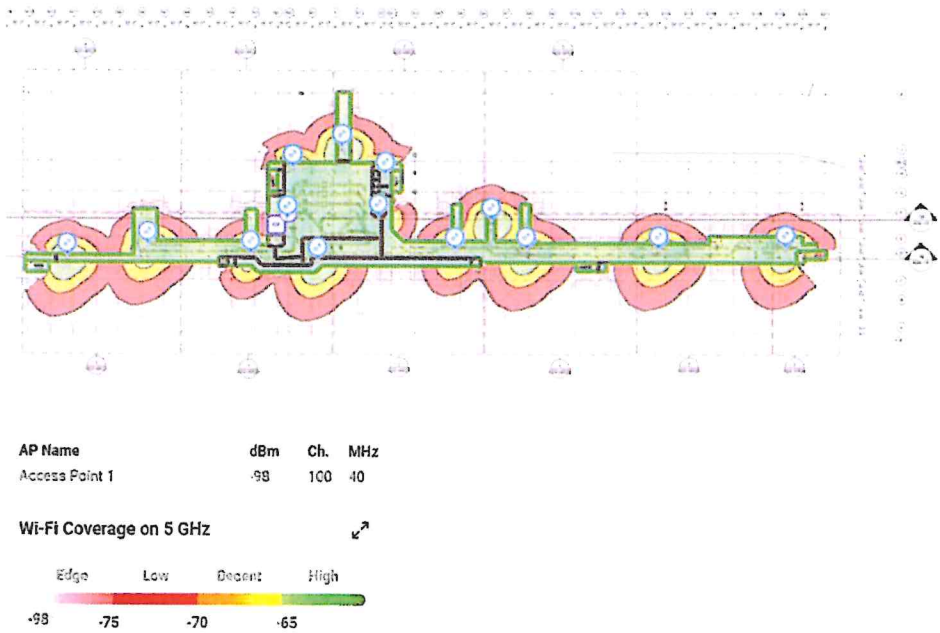


Hollywood Burbank Airport Parking Level 6

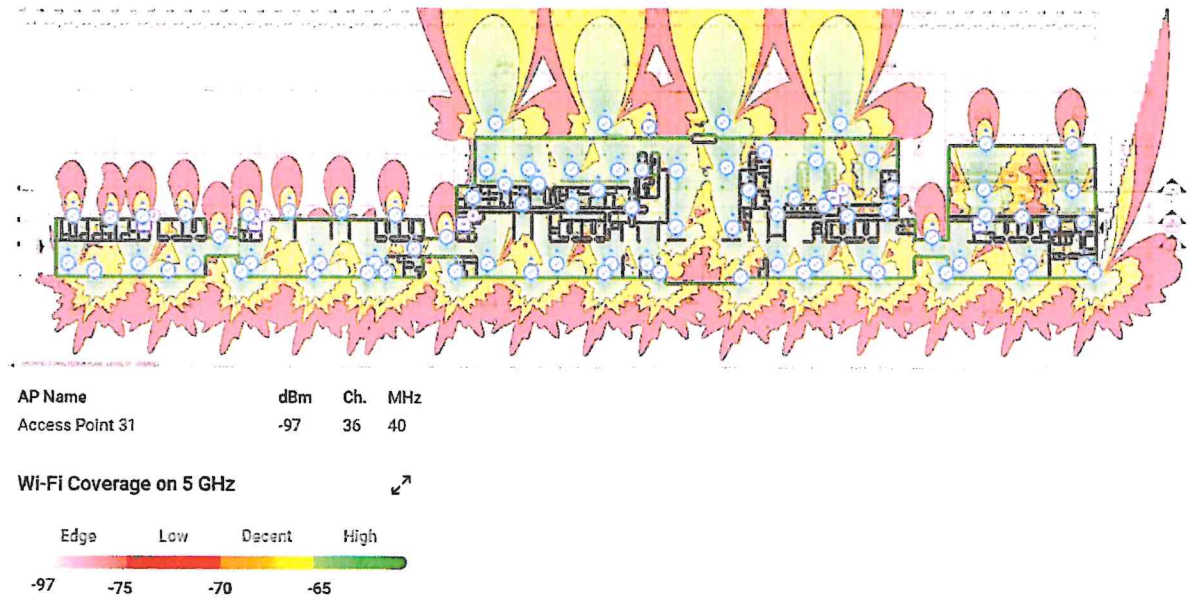


Wi-Fi

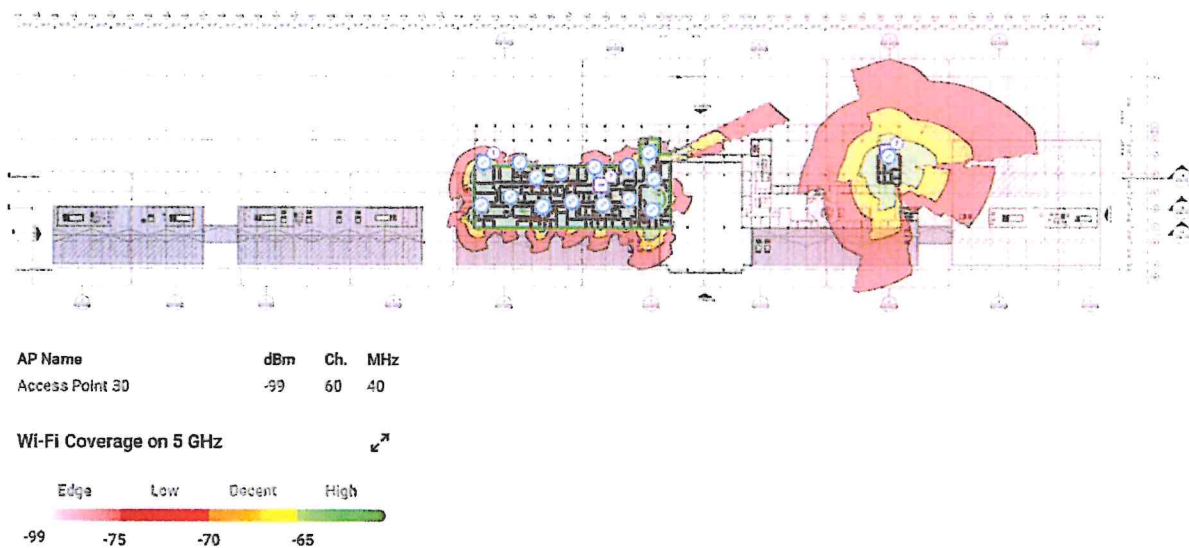
Terminal Level 1



Terminal Level 2



Terminal Level 3



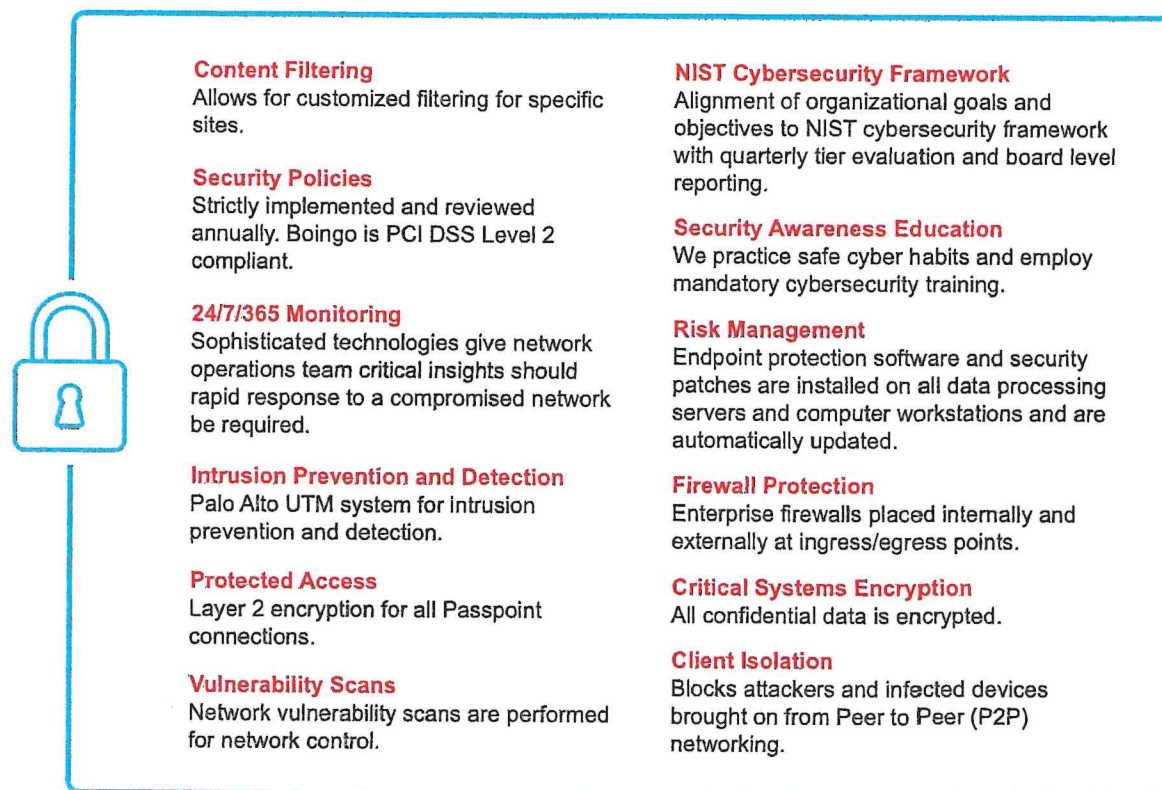
Security Protocols

Boingo networks are backed by a 24/7/365 Network Operation Center (“NOC”) with a zero-trust architecture. These heightened security measures are essential in today’s threat landscape for protecting BUR’s airport networks from unauthorized access and potential breaches.

We prioritize the security and confidentiality of customer data with a comprehensive IT security framework that encompasses a range of measures to ensure the protection of passenger information and safeguard various aspects of airport operations and infrastructure. Boingo is

unique among third party Wi-Fi and private network operators when it comes to privacy due to our retail consumer business. We have decades of experience adhering to and working within strict U.S. and California data privacy laws to protect private personal information (“PPI”). We are also a proud winner of a Fortress Cybersecurity Award for advancing technology to protect organizations from data breaches and compromises.

Boingo’s Layered Cybersecurity Platform



Configuring Security Controls

Boingo networks have customizable content filtering capabilities to oversee and manage user’s access to sites defined inappropriate by the Authority. Boingo is well-versed and capable in web content filtering. Our web content filtering is provided by Boingo’s Deep Packet Inspection (DPI) technology that can block content by category (e.g. block all streaming media sites, block sports sites, etc.). Category lists are updated by frequent software updates and adjusted by service plan. Boingo will work with the Authority to determine the web filtering and category requirements.

Bench Test Patches and Updates

Boingo adheres to a standardized patch management process with critical patches installed within one month of release from vendors and third parties. In addition, Boingo regularly performs vulnerability scans against critical systems and patches as needed.

Security Plan

Boingo’s comprehensive Security Plan addresses access management, asset security, incident analysis, incident handling, penetration testing, business continuity, risk management, security in software development, and security operations.

- **Access Management:** Boingo's access management framework includes user authentication, authorization mechanisms, and privileged access controls. We employ industry-standard best practices to ensure that access to sensitive data and systems is limited to authorized individuals only.
- **Asset Security:** Boingo recognizes that protecting BUR's valuable assets is critical. Our plan includes strategies for identifying, classifying, and securing assets such as data, hardware, software, and intellectual property. We implement controls to prevent unauthorized access, theft, or damage to these assets.
- **Incident Analysis:** Boingo's incident analysis plan includes real-time monitoring, incident detection, response protocols, and detailed incident analysis to minimize the impact of security breaches and facilitate timely resolution.
- **Identity and Access Management:** Boingo implements robust identity and access management (IAM) practices, including secure authentication mechanisms, user provisioning, role-based access controls, and regular user access reviews to ensure that user privileges align with their roles and responsibilities.
- **Incident Handling:** We have a well-defined incident handling process that includes incident reporting, escalation procedures, evidence preservation, containment, eradication, and recovery measures. Our team follows industry-recognized incident response frameworks to minimize the impact and restore normal operations swiftly.
- **Penetration Testing:** To assess the effectiveness of our security measures, we conduct regular PCI DSS penetration testing exercises.
- **Business Continuity:** Boingo establishes robust backup and recovery processes, off-site data replication, and disaster recovery plans to ensure minimal disruption and timely resumption of critical operations in the event of a disaster.
- **Security in Software Development:** Security is an integral part of Boingo's software development life cycle. We adhere to secure coding practices, conduct regular code reviews, and employ automated security testing tools to identify and remediate vulnerabilities early in the development process.

Security Assessment

Boingo implements a systematic approach to identify, assess, and manage information security risks. Our plan includes risk assessment methodologies, risk treatment plans, and ongoing monitoring to proactively mitigate security risks and maintain a secure environment.

Security Remediation

Our years of experience with public/private Wi-Fi networks have provided us with acute awareness and the necessary protocols to prevent an attack. We have implemented advanced technologies to remedy any instances of a potential security breach for full system recovery. Boingo's networks are engineered with the visibility required for rapid response should someone try to compromise our wireless networks.

Remediation Reviewed by Auditor

To ensure ongoing compliance and identify potential vulnerabilities, we conduct regular security audits performed by both internal and external experts. These audits assess our systems, policies, and controls, enabling us to proactively address any identified weaknesses. Additionally, we provide annual reports on our security measures, outlining our progress, and detailing any enhancements made to our security infrastructure.

Detail both hardware and software specifications, along with features, emphasizing security, scalability, and customization.

Please see above for software specifications and features regarding security, scalability, and customization. Detailed below is an itemized equipment list of the proposed DAS and Wi-Fi solution.

DETAILED PARTS LIST

DAS

Component Group: Airport Headend				
Type	Manufacturer	Model	Description	Qty
Cable	RFS	LCF12-50JFN-A11	CELLFLEX - 1/2" Low-Loss Foam Coaxial Cable, Halogene Free, Polyethylen, PE, Flame Retardant, LS0H	0.00 feet
Cable	ConductRF	FMP29-41NF-W02	Jumper / 2 ft / Din 4.1/9.5 Male - N Female / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	36
Cable	Wireless Supply	402/NF-QMAM/24	TrueConnect - Low PIM (-160dBc) Semi-Rigid 402 Jumper Cable; N Female Connector to QMA Male Connector, 2ft.	20
Cable	Generic	25 ft Demarc Jumper Cable	Generic 25 ft. Jumper Cable (Demarc)	8
Connector	RFS	NM-LCF12-D01	N Male OMNI FIT Connector for LCF12-50 Cable	112
Fiber BDA Hub	SOLiD	iOM_4_100	ALLIANCE 4 Port optical module, use with iBIU, iODU, iOEU, supports 2500TDD_100 RDUs	8
Fiber BDA Hub	SOLiD US	iOM_4_4000	ALLIANCE 4 Port optical module, use with iBIU, iODU, iOEU, supports 136 - 4000MHz	4
Filter	SOLiD	eMBIU_C_AC	Master eBIU, AC Version (Includes: eMCPU,eMPSU_AC, eMCDU)	4
Filter	SOLiD	eMDBU_1900P	1900 MHz Input Module for the eBIU	8
Filter	SOLiD	eMDBU_AWS13	2100MHz (AWS 1+3) Input Module for the eBIU	8
Filter	SOLiD	eMDBU_8085_700LTE_FN	817-849/862-869 MHz Cellular, 700MHz Full Band Input Module for the eBIU. Includes Extended 700 band for FirstNet	8
Filter	SOLiD	HPOI_8085_700LTE_FN	High Power POI Module (20W), 800MHz Sprint, 850MHz Cellular, 700LTE + FirstNet, 4 Ports	4

Filter	SOLiD	HPOI_1900 P	High Power POI Module (20W), 1900MHz PCS, 4 Ports	4
Filter	SOLiD	eMDBU_23_25	2300 WCS, 2500MHz TDD Input Module for eBIU	4
Filter	SOLiD	HPOI_23_25	High Power POI Module (20W), 2300MHz WCS, 2500MHz TDD, 4 Ports **Available Q3 2016	4
Filter	SOLiD	HPOI_AWS 13	High Power POI Module (20W), 2100MHz (AWS 1+3), 4 Ports	4
Filter	SOLiD	eSBIU_C_A C	Slave eBIU, AC Version (Includes: eMCPU,eMPSU_AC, eSCDU)	4
Filter	SOLiD	eBIU_B (eBIU BLANK)	Blank eBIU Module	4
Filter	SOLiD US	LPOI_AWS 13	ALLIANCE Low Power POI Module (100mW), 2100MHz (AWS 1+3), 4 Ports	4
Filter	SOLiD US	LPOI_1900 P	ALLIANCE Low Power POI Module (100mW), 1900MHz PCS, 4 Ports	4
Filter	SOLiD US	LPOI_8085_700LTE_FN	ALLIANCE Low Power POI Module (100mW), 800MHz Sprint, 850MHz Cellular, 700LTE + FirstNet, 4 Ports	4
Filter	SOLiD US	iBIU_AC	ALLIANCE iBIU Chassis, AC Version Includes: iMCPU, iMPSU_AC	2
Filter	SOLiD US	iMDBU_Cband	ALLIANCE Input Module, C-Band, supports 3700-3980 MHz. Path A (n77)	2
Filter	SOLiD US	iMDBU_Cband_M	ALLIANCE Input Module, C-Band, Path B for MIMO, supports 3700-3980 MHz (n77)	2
Filter	SOLiD US	HPOI_4000	ALLIANCE High Power POI Module (20W), 3300~4000MHz TDD, 4 Ports (n77)	8
Filter	SOLiD US	iMDBU_345	ALLIANCE Input Module,A110, Path A for SISO, supports 3450-3550 MHz (n78)	2
Filter	SOLiD US	iMDBU_345_M	ALLIANCE Input Module,A110, Path B for MIMO, supports 3450-3550 MHz (n78)	2
Miscellaneous	SOLiD	ODU_C	Optical Distribution Unit Chassis	4
Splitter	SOLiD US	iMCDU_4000	ALLIANCE Main Combiner/Divider Unit that is connected to the iBIU chassis to operate as the main iBIU (n77)	2

Component Group: Apron Passive				
Type	Manufacturer	Model	Description	Qty
Antenna	CommScope	CMAX-LHM2-60-I53 preliminary	Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 617–960 MHz 1695–2700 MHz and 3300-4200MHz 60-Deg, 4.3-10, (2 PORTS 617-4200MHz)	6
Antenna	CommScope	CMAX-LHM2-30-I53 preliminary	Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 617–960 MHz, 1695–2700 MHz and 3300-4200MHz 30-Deg, 4.3-10, (2 PORTS 617-4200MHz)	2
Cable	ConductRF	PLA44-D131-W03	Jumper / 3 ft / Din 7/16 Male - Din 4.3/10 Male / Low PIM Plenum Rated / SPP250LLPL / 50 ohm	7
Cable	RFS	*ICA12-50JPL-A11	ClearFill®Line 1/2" low loss air dielectric cable, Plenum-rated, CMP	1551.33 feet
Cable	ConductRF	*PLA44-3F31-W03	Jumper / 3 ft / Din 4.3/10 Female - Din 4.3/10 Male / Low PIM Plenum Rated / SPP250LLPL / 50 ohm	24
Cable	ConductRF	FMP29-3131-W02	Jumper / 2 ft / Din 4.3/10 Male - Din 4.3/10 Male / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	4
Cable	ConductRF	FMP29-D1D2-W02	Jumper / 2 ft / Din 7/16 Male - Din 7/16 Male R/A / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	1
Connector	Microlab/FXR	4.3-10 - Male	Microlab 4.3-10 - Male Coaxial Connector, PIM <-158 dBc <Last Modified: 14-05-15>	48
Filter	SOLiD	MROU_EF1	Cellular Passband, Public Safety Reject Filter, External filter for ALLIANCE 5W & 20W Remotes	8
Filter	Microlab/FXR	BK-261E	In-Line Diplexer, PIM <-161 dBc, 80-2690 MHz and 3300-5925 MHz - Type 4.3-10 Connectors <Last Modified: 07-13-2018>	8
Splitter	Microlab/FXR	D2-83FE	2-way Tube Style - Reactive Power Divider- Ultra Wide Band, PIM <-161 dBc, 617-5925 MHz - 4.3-10 Connectors, Low PIM <Last Modified: 28-08-19>	8
Component Group: Apron Remote				
Type	Manufacturer	Model	Description	Qty
Cable	ConductRF	PLA44-D1D1-W06	Jumper / 6 ft / Din 7/16 Male - Din 7/16 Male / Low PIM Plenum Rated / SPP250LLPL / 50 ohm	8

Cable	ConductRF	FMP29-3131-W02	Jumper / 2 ft / Din 4.3/10 Male - Din 4.3/10 Male / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	1
Cable	ConductRF	FMP29-D1D2-W02	Jumper / 2 ft / Din 7/16 Male - Din 7/16 Male R/A / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	1
Fiber BDA	SOLiD	HROU_C_A C	20 WATT Remote Optical Unit Chassis - AC Power	8
Fiber BDA	SOLiD	HARU_C_A C	20 WATT Add-on Unit Chassis - AC Power -No Combiner Note: RF jumper cables required to connect HROU_C to HARU_C are included with HARU. They need not be ordered separately.	8
Fiber BDA	SOLiD US	HROU_C_4000_AC	ALLIANCE 20 WATT Mid-Band Remote Optical Unit Chassis, AC Power, includes Optics and CPU (n77)	4
Filter	SOLiD	HROU_CU1	20 WATT Combiner Unit, 1 Antenna port. Combines 700LTE, 800/850, 1900, 2100	8
Filter	SOLiD	HROU_CU7	20 WATT Combiner Unit: 1 Antenna port. Combines 2300 WCS & 2500TDD bands	8
Repeater	SOLiD	HRDU_AW S13	20 WATT 2100MHz Amplifier Module	7
Repeater	SOLiD	HRDU_800I_850C	20 WATT 800MHz (Sprint Only) and 850MHz Module	8
Repeater	SOLiD	HRDU_700LTEF	20 WATT 700MHz Full Band LTE Module	8
Repeater	SOLiD	HRDU_1900P	20 WATT 1900MHz Amplifier Module	7
Repeater	SOLiD	HRDU_2300_WCS	20 WATT 2300 MHz WCS Amp Module **Available Q4 2016	7
Repeater	SOLiD	HROU_B	20 WATT Blank Module	16
Repeater	SOLiD	HRDU_2500_100TDD	ALLIANCE 20 WATT 2500 MHz TDD Amplifier Module, 100MHz Contiguous, LTE + NR *2019Q3	7
Repeater	SOLiD US	HRDU_Cband_M	ALLIANCE 32 WATT C-Band TDD MIMO Amplifier Module, supports 3700-3980 MHz (n77)	4
Repeater	SOLiD US	HRDU_Cband	ALLIANCE 32 WATT C-Band TDD SISO Amplifier Module, supports 3700-3980 MHz (n77)	4
Repeater	SOLiD US	HRDU_345	ALLIANCE 20 WATT C-Band TDD SISO Amplifier Module, supports 3450-3550 MHz (n78)	4

Repeater	SOLiD US	HRDU_345_M	ALLIANCE 20 WATT C-Band TDD MIMO Amplifier Module, supports 3450-3550 MHz (n78)	4
Splitter	SOLiD	HROU_ECU 1	2-Way Splitter / Combiner - 0-6000 MHz	8
Component Group: Drop off area Passive				
Type	Manufacturer	Model	Description	Qty
Antenna	CommScope	CMAX-LHM2-30-I53 preliminary	Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 617–960 MHz, 1695–2700 MHz and 3300-4200MHz 30-Deg, 4.3-10, (2 PORTS 617-4200MHz)	2
Antenna	CommScope	CMAX-LHM2-60-I53 preliminary	Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 617–960 MHz 1695–2700 MHz and 3300-4200MHz 60-Deg, 4.3-10, (2 PORTS 617-4200MHz)	2
Cable	RFS	*ICA12-50JPL-A11	ClearFill®Line 1/2" low loss air dielectric cable, Plenum-rated, CMP	554.00 feet
Cable	ConductRF	*PLA44-3F31-W03	Jumper / 3 ft / Din 4.3/10 Female - Din 4.3/10 Male / Low PIM Plenum Rated / SPP250LLPL / 50 ohm	12
Cable	ConductRF	FMP29-3131-W02	Jumper / 2 ft / Din 4.3/10 Male - Din 4.3/10 Male / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	3
Cable	ConductRF	PLA44-D131-W03	Jumper / 3 ft / Din 7/16 Male - Din 4.3/10 Male / Low PIM Plenum Rated / SPP250LLPL / 50 ohm	3
Cable	ConductRF	FMP29-D1D2-W02	Jumper / 2 ft / Din 7/16 Male - Din 7/16 Male R/A / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	1
Connector	Microlab/FXR	4.3-10 - Male	Microlab 4.3-10 - Male Coaxial Connector, PIM <-158 dBc <Last Modified: 14-05-15>	24
Filter	SOLiD	MROU_EF1	Cellular Passband, Public Safety Reject Filter, External filter for ALLIANCE 5W & 20W Remotes	4
Filter	Microlab/FXR	BK-261E	In-Line Diplexer, PIM <-161 dBc, 80-2690 MHz and 3300-5925 MHz - Type 4.3-10 Connectors <Last Modified: 07-13-2018>	4
Splitter	Microlab/FXR	DN-94FE (MOB)	Unequal Power Splitter (Tapper), PIM -161 dBc, 30:1 (15 dB), 350-5930 MHz, 500W, 4.3-10 Connectors, Low PIM <Last Modified: 13-11-17>	2

Splitter	Microlab/FXR	D2-83FE	2-way Tube Style - Reactive Power Divider- Ultra Wide Band, PIM <-161 dBc, 617-5925 MHz - 4.3-10 Connectors, Low PIM <Last Modified: 28-08-19>	2
Component Group: Drop off area Remote				
Type	Manufacturer	Model	Description	Qty
Cable	ConductRF	PLA44-D1D1-W06	Jumper / 6 ft / Din 7/16 Male - Din 7/16 Male / Low PIM Plenum Rated / SPP250LLPL / 50 ohm	6
Cable	ConductRF	FMP29-3131-W02	Jumper / 2 ft / Din 4.3/10 Male - Din 4.3/10 Male / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	1
Fiber BDA	SOLiD	HROU_C_A C	20 WATT Remote Optical Unit Chassis - AC Power	4
Fiber BDA	SOLiD	HARU_C_A C	20 WATT Add-on Unit Chassis - AC Power -No Combiner Note: RF jumper cables required to connect HROU_C to HARU_C are included with HARU. They need not be ordered separately.	4
Fiber BDA	SOLiD US	HROU_C_4000_AC	ALLIANCE 20 WATT Mid-Band Remote Optical Unit Chassis, AC Power, includes Optics and CPU (n77)	2
Filter	SOLiD	HROU_CU1	20 WATT Combiner Unit, 1 Antenna port. Combines 700LTE, 800/850, 1900, 2100	4
Filter	SOLiD	HROU_CU7	20 WATT Combiner Unit: 1 Antenna port. Combines 2300 WCS & 2500TDD bands	4
Repeater	SOLiD	HRDU_AW S13	20 WATT 2100MHz Amplifier Module	4
Repeater	SOLiD	HRDU_800I_850C	20 WATT 800MHz (Sprint Only) and 850MHz Module	4
Repeater	SOLiD	HRDU_700 LTEF	20 WATT 700MHz Full Band LTE Module	4
Repeater	SOLiD	HRDU_1900P	20 WATT 1900MHz Amplifier Module	4
Repeater	SOLiD	HRDU_2300_WCS	20 WATT 2300 MHz WCS Amp Module **Available Q4 2016	4
Repeater	SOLiD	HROU_B	20 WATT Blank Module	8
Repeater	SOLiD	HRDU_2500_100TDD	ALLIANCE 20 WATT 2500 MHz TDD Amplifier Module, 100MHz Contiguous, LTE + NR *2019Q3	4
Repeater	SOLiD US	HRDU_Cband_M	ALLIANCE 32 WATT C-Band TDD MIMO Amplifier Module, supports 3700-3980 MHz (n77)	2

Repeater	SOLiD US	HRDU_Cband	ALLIANCE 32 WATT C-Band TDD SISO Amplifier Module, supports 3700-3980 MHz (n77)	2
Repeater	SOLiD US	HRDU_345	ALLIANCE 20 WATT C-Band TDD SISO Amplifier Module, supports 3450-3550 MHz (n78)	2
Repeater	SOLiD US	HRDU_345_M	ALLIANCE 20 WATT C-Band TDD MIMO Amplifier Module, supports 3450-3550 MHz (n78)	2
Splitter	SOLiD	HROU_ECU1	2-Way Splitter / Combiner - 0-6000 MHz	4

Component Group: Parking Fiber

Type	Manufacturer	Model	Description	Qty
Cable	Generic	Optic Fiber Jumper	FO-Loose Tube Standard Fiber Cable - 4 Number of Fibers - E9/125 Singlemode - 850/1310/1383/1550 nm Range	10.76 feet
Connector	Generic	SC-APC	Fiber Optic Connector - SC-APC	8

Component Group: Parking Headend

Type	Manufacturer	Model	Description	Qty
Cable	Generic	25 ft Demarc Jumper Cable	Generic 25 ft. Jumper Cable (Demarc)	6
Fiber BDA Hub	SOLiD US	iOM_4_2700	ALLIANCE 4 Port optical module, use with iBIU, iODU, iOEU, supports 136 - 2700 MHz	1
Fiber BDA Hub	SOLiD US	iOM_B	ALLIANCE Blank optical module, use with iBIU, iODU	1
Filter	SOLiD US	iBIU_AC	ALLIANCE iBIU Chassis, AC Version Includes: iMCPUs, iMPUs_AC	1
Filter	SOLiD US	iMDBU_1900P_E	ALLIANCE 1900 MHz with extension for Band 70 Input Module for the iBIU	1
Filter	SOLiD US	iMDBU_AWS13_B66B70	ALLIANCE 2100MHz (AWS 1+3) with extension for Band 70 and AWS-4 Input Module for the iBIU	1
Filter	SOLiD US	HPOI_1900P	ALLIANCE High Power POI Module (20W), 1900MHz PCS, 4 Ports	1
Filter	SOLiD US	HPOI_AWS13	ALLIANCE High Power POI Module (20W), 2100MHz (AWS 1+3), 4 Ports	1
Filter	SOLiD US	iBIU_B	ALLIANCE Input module, blank	2
Miscellaneous	SOLiD US	DMS_1200	ALLIANCE DAS Management System (DMS) for ALLIANCE - For use with Rel. 6	1

Splitter	SOLiD US	iMCDU	ALLIANCE Main Combiner/Divider Unit that is connected to the iBIU chassis to operate as the main iBIU	1
Component Group: Parking Passive				
Type	Manufacturer	Model	Description	Qty
Antenna	CommScope	CMAX-O-43-UW-i53	Cell-Max™ Low PIM Omni In-building Antenna, 617–6000 MHz	1
Antenna	CommScope	CMAX-D-43-UW-i53	Low PIM Directional In-building Antenna, 617–960 MHz, 1695–2700, 3300-3800 and 4900-6000MHz	43
Cable	Times Microwave Systems	SPP25043F 43M1.0F	3ft - 50 Ohm Low Loss, Low PIM Plenum Rated Coaxial Jumper Cable	91
Cable	RFS	ICA12-50JPL	ClearFillLine - 1/2in Low Loss Air Dielectric Cable - Plenum Rated/ Indoor/ Outdoor Usage/ Color Blue UV rated to ASTM G155 Steiner Tunnel Test Method UL 910 NEC 820-53 (a) CMP NFPA-262 NEC Article 800 Communication Circuits ETL Listed to UL444 Canadian CSA C.22.2/FT6	3608.73 feet
Cable	Times Microwave Systems	SPP25043M DM3.0F (MOB)	3ft - 50 Ohm Low Loss, Low PIM Plenum Rated Coaxial Jumper Cable	1
Cable	Times Microwave Systems	SPP25043M 43MR3.0F	3ft - 50 Ohm Low Loss, Low PIM Plenum Rated Coaxial Jumper Cable	19
Connector	JMA Wireless	UPL-4MT-12	UPL 4.3-10 Male Torque Connector for Cables 1/2" Annular	122
Splitter	Microlab/FXR	DN-44FE (MOB)	Unequal Power Splitter (Tapper), PIM -161 dBc, 3:1 (4.8 dB), 350-5930 MHz, 500W, 4.3-10 Connectors, Low PIM <Last Modified: 13-11-17>	6
Splitter	Microlab/FXR	DN-64FE (MOB)	Unequal Power Splitter (Tapper), PIM -161 dBc, 6:1 (8 dB), 350-5930 MHz, 500W, 4.3-10 Connectors, Low PIM <Last Modified: 13-11-17>	4
Splitter	Microlab/FXR	DN-54FE (MOB)	Unequal Power Splitter (Tapper), PIM -161 dBc, 4:1 (6 dB), 350-5930 MHz, 500W, 4.3-10 Connectors, Low PIM <Last Modified: 13-11-17>	7

Splitter	Microlab/FXR	DN-34FE (MOB)	Unequal Power Splitter (Tapper), PIM -161 dBc, 2:1 (3 dB), 350-5930 MHz, 500W, 4.3-10 Connectors Low PIM <Last Modified: 13-11-17>	7
Splitter	Microlab/FXR	D2-83FE	2-way Tube Style - Reactive Power Divider - Ultra Wideband 617-5925 MHz - 300W - Low PIM <-165 dBc - 4.3-10 Connectors, IP67 <Last Modified: 05-14-21>	13
Splitter	Microlab/FXR	DN-74FE (MOB)	Unequal Power Splitter (Tapper), PIM -161 dBc, 10:1 (10 dB), 350-5930 MHz, 500W, 4.3-10 Connectors, Low PIM <Last Modified: 13-11-17>	2
Splitter	Microlab/FXR	D2-83FE (MOB)	2-way Tube Style - Reactive Power Divider- Ultra Wide Band, PIM <-161 dBc, 617-5925 MHz - 4.3-10 Connectors, Low PIM <Last Modified: 28-08-19>	1

Component Group: Parking Remote

Type	Manufacturer	Model	Description	Qty
Fiber BDA	SOLID US	MROU_C_M_AC	ALLIANCE 5 WATT Remote Optical Unit Chassis - AC Power	4
Filter	SOLID US	MROU_CU7	ALLIANCE 5 WATT Combiner Unit, 8 band, includes 600/700LTE+FN, 850IC, 1900 PCS, 2100 AWS13, 2300, 2500	4
Repeater	SOLID US	MRDU_1900P	ALLIANCE 5 WATT 1900MHz Amplifier Module	4
Repeater	SOLID US	MRDU_AWS13	ALLIANCE 5 WATT 2100MHz Amplifier Module	4
Repeater	SOLID US	MROU_B	ALLIANCE 5 WATT Blank Amplifier Module MROU	16

Component Group: Terminal Passive

Type	Manufacturer	Model	Description	Qty
Antenna	CommScope	CMAx-OMF8-43-UW53	Cell-Max™ Low PIM Omni MIMO In-building Antenna, 617-6000 MHz	8
Antenna	CommScope	CMAx-LHM2-30-I53	[Preliminary] Cell-Max™ Low PIM Directional High Capacity Venue 2x2 MIMO Antenna 4G/5G/C-Band, 617-960 MHz, 1695-2700 MHz and 3300- 4200MHz, 4.3-10 MHz This is an interim vex file that is based on preliminary specifications prior to official product release. Please consider design as budgetary and verify with CommScope before executing designs	6

Antenna	CommScope	CMAX-LHM2-3030-I53	[Preliminary] Cell-Max™ Low PIM Directional High Capacity Venue 2x2 MIMO Antenna 4G/5G/C-Band, 617–960 MHz, 1695–2700 MHz and 3300-4200MHz, 4.3-10 This is an interim vex file that is based on preliminary specifications prior to official product release. Please consider design as budgetary and verify with CommScope before executing designs	2
Cable	Sym Technology	SFP-3F-4310M-4310F	[3 feet] 1/4" Super Flexible Low PIM Jumper Cable, Straight 4.3-10(M) to Straight 4.3-10(F)	66
Cable	RFS	ICA12-50JPL	ClearFillLine - 1/2in Low Loss Air Dielectric Cable - Plenum Rated/ Indoor/ Outdoor Usage/ Color Blue UV rated to ASTM G155 Steiner Tunnel Test Method UL 910 NEC 820-53 (a) CMP NFPA-262 NEC Article 800 Communication Circuits ETL Listed to UL444 Canadian CSA C.22.2/FT6	3090.01 feet
Cable	Generic	Fiber_SC-APC	1 FO strand, SC-APC connectors	22641.64 feet
Cable	Sym Technology	SFP-3F-4310M-4310M	[3 feet] 1/4" Super Flexible Low PIM Jumper Cable, Straight 4.3-10(M) to Straight 4.3-10(M)	4
Cable	RFS	LCF12-50J	CELLFLEX - 1/2in Low Loss Flexible Cable - Standard Jacket/ Outdoor Usage	102.65 feet
Cable	Sym Technology	SFP-3F-716M-4310M	[3 feet] 1/4" Super Flexible Low PIM Jumper Cable, Straight 7/16 DIN (M) to Straight 4.3-10(M)	4
Connector	Microlab/FXR	4.3-10 - Male	Microlab 4.3-10 - Male Coaxial Connector, PIM <-158 dBc <Last Modified: 14-05-15>	88
Connector	Generic	SC-APC	Fiber Optic Connector - SC-APC	66
Filter	Sym Technology	SCDX-TO	Twin Diplexer, Wall mountable, -161dBc, 150W, Outdoor & Salt Fog Test Complaint IP67 & 4.3-10 (F) (Rev.2) Port 1 & 4: 80-2690MHz, Port 2 & 5: 3300-5925MHz	5
Splitter	Sym Technology	SS-3-60-W	3-Way Wilkinson Power Splitter, 600-6000MHz, -155dBc, 50W, IP67 & 4.3-10 (F)	10
Splitter	Sym Technology	SC-20-60	20dB Directional Coupler, 600-6000MHz, -161dBc, 300W, IP67 & 4.3-10 (F)	2

Component Group: Terminal Remote				
Type	Manufacturer	Model	Description	Qty
Cable	Sym Technology	SFP-3F-716M-4310M	[3 feet] 1/4" Super Flexible Low PIM Jumper Cable, Straight 7/16 DIN (M) to Straight 4.3-10(M)	1
Cable	ConductRF	FMP29-D1D2-W03	Jumper / 3 ft / Din 7/16 Male - Din 7/16 Male R/A / Low PIM / .141 Hand Formable (A29CPJ) / 50 ohm	9
Cable	Sym Technology	SFP-3F-4310M-4310M	[3 feet] 1/4" Super Flexible Low PIM Jumper Cable, Straight 4.3-10(M) to Straight 4.3-10(M)	2
Fiber BDA	SOLiD US	HROU_C_4000_AC	ALLIANCE 20 WATT Mid-Band Remote Optical Unit Chassis, AC Power, includes Optics and CPU (n77)	5
Fiber BDA	SOLiD	MROU_C_M_AC	5 WATT Remote Optical Unit Chassis - AC Power	10
Filter	SOLiD	MROU_CU4	5 WATT Combiner Unit, 7-band, includes 700LTE, 800/850, 1900 PCS, 2100 AWS, 2.5TDD, & 2.3 WCS	10
Filter	SOLiD Technologies	MROU_EF1	Cellular Pass Filtering for 5W MROUs - Rejects Public Safety Bands	9
Repeater	SOLiD	MRDU_1900P	5 WATT 1900MHz Amplifier Module	10
Repeater	SOLiD	MRDU_700LTEF	5 WATT 700MHz Amplifier Module	10
Repeater	SOLiD	MRDU_800_850C	5 WATT 800MHz & 850MHz Amplifier Module	10
Repeater	SOLiD	MRDU_AWS13	5 WATT 2100MHz Amplifier Module **Available Q3 2016	10
Repeater	SOLiD	MRDU_2300_WCS	5 WATT 2300MHz WCS Amplifier Module **Available Q3 2016	9
Repeater	SOLiD	MRDU_2500_FB_TDD	ALLIANCE 5 WATT 2500 MHz TDD Amplifier Module, 194MHz Contiguous, LTE + NR *PRELIMINARY	10
Repeater	SOLiD US	HRDU_Cband	ALLIANCE 32 WATT C-Band TDD SISO Amplifier Module, supports 3700-3980 MHz (n77)	5
Repeater	SOLiD US	HRDU_Cband_M	ALLIANCE 32 WATT C-Band TDD MIMO Amplifier Module, supports 3700-3980 MHz (n77)	2
Repeater	SOLiD US	HRDU_345	ALLIANCE 20 WATT C-Band TDD SISO Amplifier Module, supports 3450-3550 MHz (n78)	5

Repeater	SOLID US	HRDU_345_M	ALLIANCE 20 WATT C-Band TDD MIMO Amplifier Module, supports 3450-3550 MHz (n78)	3
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Wi-Fi

Line#	Part Number	Quantity	Description	Manufacturer
Core Switches				
1.0	7520-48YE-8CE-AC-F	2	Extreme 7520-48YE Switch with front-back airflow; Ships with two AC power supplies, six fans, one 4-post rack mount kit; Supports 48x 25G/10G ports with MACsec and 8x 100G/40G ports with MACsec	Extreme Networks
1.1	97004-7520-48YE-8CE-AC-F	2	EW NBD AHR 7520-48YE-8CE-AC-F	Extreme Networks
1.2	10061	4	Pwr Cord, 10A, NEMA 5-15P, IEC320-C13	Extreme Networks
1.3	25G-LR-SFP10KM	18	25G LR SFP28 10km LC connector Single-Mode MSA P/N ESPT251LR1LCL100.	Extreme Networks
2.0	100G-DACP-QSFP1M	2	100G Passive DAC QSFP28 1m MSA P/N EQPC1HPC010C0100.	Extreme Networks
IDF Switches				
3.0	5720-24MW	9	ExtremeSwitching 5720 24 100Mb/1Gb/2.5Gb/5Gb 802.3bt 90W PoE 2 stacking/QSFP28 1 unpopulated VIM slot MACsec capable includes fan modules 2 unpopulated modular PSU slots.	Extreme Networks
3.1	97004-5720-24MW	9	EW NBD AHR 5720-24MW	Extreme Networks
3.2	XN-ACPWR-1100W-FB	18	1100 Watt AC PoE Power Supply Module - Front to Back airflow	Extreme Networks
3.3	10099	18	Power Cord, 15A, USA, NEMA 5-15, IEC320-C15	Extreme Networks
3.4	5720-VIM-6YE	9	5720 Versatile Interface Module with 6 25GbE SFP28 ports, MACsec capable.	Extreme Networks
3.5	25G-LR-SFP10KM	18	25G LR SFP28 10km LC connector Single-Mode MSA P/N ESPT251LR1LCL100.	Extreme Networks
DMZ Switches				
4.0	5520-24X	2	ExtremeSwitching 5520 24 1Gb/10Gb SFP+ ports 2 stacking/QSFP28 1 unpopulated VIM slot includes 2 fan modules 2 unpopulated modular PSU slots.	Extreme Networks
4.1	97004-5520-24X	2	EW NBD AHR 5520-24X	Extreme Networks
4.2	XN-ACPWR-350W-FB	4	350 Watt AC Power Supply Module - Front to Back airflow	Extreme Networks

4.3	10061	4	Pwr Cord,10A,NEMA 5-15P,IEC320-C13	Extreme Networks
4.4	100G-DACP-QSFP1M	2	100G Passive DAC QSFP28 1m MSA P/N EQPC1HPC010C0100.	Extreme Networks
Wireless Controllers				
5.0	E3125	2	ExtremeCloud IQ Controller E3125 – Large Venues edition, expandable to 10,000 devices per appliance. 20,000 in HA mode. Version 10 and above requires separate activation key (XIQ-CACT-HW) and XIQ Pilot or XIQ Navigator right-to-use licenses per managed device.	Extreme Networks
5.1	97000-E3125	2	EW TAC & OS E3125	Extreme Networks
5.2	XIQ-CACT-HW	2	ExtremeCloud IQ Controller Activation License for Hardware Appliances	Extreme Networks
5.3	PSI-1300W-APL	2	1300W Redundant power supply for network appliances E3120/E2122/4120C (validate supported model numbers before ordering)	Extreme Networks
5.4	10138	4	PWR CORD,NEMA,13A,NEMA 5-15P,C13,ST	Extreme Networks
5.5	100G-DACP-QSFP1M	4	100G Passive DAC QSFP28 1m MSA P/N EQPC1HPC010C0100.	Extreme Networks
Access Points				
6.0	AP5020-WW	93	Indoor Tri Radio Wi-Fi 7 AP, 2.4 GHz, 5GHz, 6GHz & Multirate Port, Internal antennas. TBar, Incl Mt (AH-ACC-BKT-AX-TB). Domain:World SKU	Extreme Networks
6.1	97000-AP5020-WW	93	EW TAC & OS AP5020	Extreme Networks
8.0	AP5050D-WW	16	Outdoor Internal Directional Antenna Tri Radio WiFi 6E AP (4x4:4), 2.4 GHz, 5GHz, 6GHz & Multirate Port, Directional Antennas: software selectable: 30° or 70° . Mounting sold separately. Domain: World Sku	Extreme Networks
8.1	97000-AP5050D-WW	16	EW TAC & OS AP5050D-WW	Extreme Networks
8.2	MBO-ART03	16	MBO-ART03 2-axis articulating mounting bracket (+/- 80 deg tilt, 10 deg increments). 3 position extension arm (7.0, 8.5, 10.0 inches). Must be used with ACC-MBO-KT-AX	Extreme Networks
9.0	AP5050U-WW	4	Outdoor Tri Radio WiFi 6E AP (4x4:4) , 2.4 GHz, 5GHz, 6GHz & Multirate Port, Internal Omni antennas. Mounting sold separately, Domain: World Sku	Extreme Networks
9.1	97000-AP5050U-WW	4	EW TAC & OS AP5050U-WW	Extreme Networks

9.2	MBO-ART03	4	MBO-ART03 2-axis articulating mounting bracket (+/- 80 deg tilt, 10 deg increments). 3 position extension arm (7.0, 8.5, 10.0 inches). Must be used with ACC-MBO-KT-AX	Extreme Networks
Licenses				
7.0	XIQ-PIL-S-C-EW	128	ExtremeCloud IQ Pilot SaaS Subscription and EW SaaS Support for one (1) device (1 year) [Term: 1 Year]	Extreme Networks

Incorporate a revenue-generating advertisement element into the Public Wi-Fi solution additive alternate.

As the world's largest Wi-Fi sponsorship platform, Boingo Media enables one-click, sponsored access to lightning-fast, free Wi-Fi. This enables BUR to generate revenue with every Wi-Fi session while ensuring passengers have an outstanding passenger experience.

For more than 15 years, Boingo has pioneered the use of sponsored Wi-Fi access. The Boingo Media platform is the world's leading Wi-Fi advertising platform and was awarded the "Best Digital Video Ad Platform" in the Cynopsis Digital Model D Awards.

Our experienced media sales and operations team is in-house—**something no other third-party operator or Tier 1 carrier can boast**. This has enabled us to develop rich, long-term partnerships with some of the world's leading brands and agencies. Below is just a partial list of the brands that have utilized the Boingo Media platform to reach travelers.

Airlines	Consumer Goods	Finance	Luxury	Technology	Tourism Boards
- Air France - American Airlines - Austrian Airlines - Avianca Brazil - Cathay Pacific - Hawaiian Airlines - Southwest Airlines - Turkish Airlines - United Airlines	1-800-Flowers - Absolut Pernod - Advil - Chives - Dockers - Duracell - Kaiser - McDonald's - Nissan - Pandora - Peloton - Starbucks - Vineyard Vines - Volkswagen - Wonderful Pistachios	- American Express - Bank of America - Blackrock - Chase - Discover Card - Fifth Third Bank - H&R Block - HSBC - MasterCard - PWC - Santander Bank - Visa - Zelle	- Armani - Calvin Klein - Carolina Herrera - Chanel - Dior - Dolce & Gabbana - Estee Lauder - L'Oréal - Prada - Ralph Lauren - Tiffany	- Amazon - AOL - Apple - Audible - AWS - Cisco - Duck Duck Go - eBay - IBM - LinkedIn - Microsoft - Norton - Postmates - Salesforce - Samsung - SAP - Shutterfly - Yelp	- Arizona Tourism - Aspen Tourism - Jackson Hole - Mexico Tourism - New Mexico Tourism - Taipei Tourism - Texas Tourism - Tourism Australia - Visit Orlando - Visit Phoenix - Visit South Walton - Visit Tucson
Travel		Entertainment	Hotels		
- Amtrak - Celebrity Cruises - Disneyland - Enterprise - Lyft - Norwegian Cruise Lines - Sea World - Uber - Walt Disney World		- Amazon Prime - HBO - Hulu - Netflix - Showtime	- Choice Hotels - DoubleTree - Hotels.com - Hyatt - IHG - La Quinta - Marriott - Wynn Las Vegas		



Chip Roberson
@chip_roberson

The one time I don't mind watching an ad is when I'm given real value in return, like airport wifi. @boingo @Delta @AmericanExpress #MSP



Erin McNamara
@erinemac

Wow, thanks @BankofAmerica for the free wifi at @flyLAXairport! Now able to get work done...and the travel card looks good too #travelperks



Mel Passler
@babycakesmel3

Free #wifi at #JFKAirport for downloading the @amazon app! Thanks @united !!!

In addition to paid sponsorships, the BUR team can use the Boingo Media platform to run “house ads” at no cost. Furthermore, local governments, like the Los Angeles Department of Public Health, have utilized the Boingo Media platform to reach the traveling public with campaigns such as “Vaccinate LA County.”

We understand the Authority's goal of creating a revenue-generating advertisement element while enabling a frictionless user experience. For BUR, we have identified two options BUR can leverage.

- A short-form pre-roll (0:15), similar to what a user encounters on websites/apps like ESPN or Instagram or to connect to free in-flight Wi-Fi. Select “**See How It Works**” for a demonstration of this format.
- A one-click to connect splash page without video known as the "billboard" format.

Our experienced, in-house media team will work with the Authority to determine the best path forward to reach the optimal balance between revenue generation and passenger experience.

Describe a detailed implementation plan and timeline outlining key milestones, tasks, and strategic approach to ensure efficient deployment and ongoing services.

IMPLEMENTATION PLAN

Boingo understands the importance of timely delivery of the DAS and Wi-F for this project and the need for carrier support, design approval, and onboarding. Accordingly, if awarded, Boingo will work closely with BUR and the carriers to establish and finalize a build scope, plan, and schedule acceptable to the parties. Additionally, Boingo will work closely with all parties to assess opportunities to accelerate the process to meet project objectives.

Based on the construction schedule and dates provided by the Authority and our experience, we are confident that Boingo can meet the Authority’s objectives of having the DAS and Wi-Fi network fully installed and carriers **on air well ahead of the RPT opening date**. We expect to have the network fully installed by July 2026 and will be performing testing, optimization, and closeout tasks from July to September. Ongoing optimization will occur after the opening of the Airport when the airport is operational and at load.

PROJECT SCHEDULE			
TASK	START	FINISH	COMMENTS
BUR Service Commencement Date	04/03/25	04/03/25	Milestone
Preliminary Design Phase	04/03/25	05/02/25	
Preliminary DAS and Wi-Fi Designs	---	---	Included with proposal.
Initial Team Site Walks/Project Kickoff	04/07/25	04/09/25	
Develop DAS/Wi-Fi/HE Design Construction Drawings	04/07/25	04/30/25	
Complete Venue DAS/Wi-Fi Design Reviews	04/08/25	04/09/25	
Update DAS/Wi-Fi Designs	04/10/25	04/24/25	
Review 50% DAS/Wi-Fi/HE Design Construction Drawings	05/01/25	05/02/25	



Obtain Venue Approval for DAS/Wi-Fi Designs	05/01/25	05/02/25	
Final Design Phase	05/05/25	08/29/25	Milestone
Share DAS Designs with Carriers/Obtain Feedback	05/05/25	05/30/25	
Develop 90% DAS/Wi-Fi Construction Drawings	05/05/25	05/24/25	
Develop DAS Design (90% Design)	06/02/25	06/13/25	
Generate Scopes of Work for Installation	06/02/25	06/06/25	
Obtain Venue Approval for 90% Design & CDs	06/16/25	06/17/25	
Conduct Bid Walk with Contractors	06/18/25	06/20/25	
Compile Final Design Project Costs	07/14/25	07/18/25	
Deliver Final Design Project Costs to the Carrier Team	07/23/25	07/23/25	
Execute First Carrier Access Agreement	07/23/25	08/29/25	Milestone
Construction Phase	09/01/25	08/07/26	Interior work completed in advance of 05/08/25 BUR Interior Finishes complete
Obtain Venue Approval for Construction	09/01/25	09/01/25	
Order NOC Monitoring Circuit	09/02/25	09/02/25	
Obtain Electrical/Construction Permits	09/01/25	12/01/25	
Update Project Costs and Budget	09/01/25	09/12/25	
Order Long Lead Items & Issue Critical POs	09/15/25	09/19/25	
Order Remaining Materials & Issue Remaining Construction POs	10/20/25	11/08/25	
Receive Materials	11/11/25	12/13/25	
Configure APs/Switches	12/01/25	12/20/25	
Complete Pre-Construction Meeting	01/05/26	01/06/26	Garage install to be completed before 02/25/26
Install Cable Conduit/Pathways	01/05/26	03/27/26	
Complete Fiber Backbone Installation	01/23/26	04/15/26	As Needed
Complete DAS & Wi-Fi Cabling, DAS Antenna and AP Installation	01/23/26	4/15/26	Interior work complete in advance of 05/08/25 BUR Interior Finishes complete
Install Headend/IDF Electrical	01/05/26	03/27/26	
Install DAS Remote Hardware, Wi-Fi Switches in IDFs	03/03/26	07/10/26	
Install Headend Hardware	06/08/26	07/10/26	
Obtain Substantial DAS Construction Complete Certificate from Carriers	07/13/26	07/13/26	Milestone

Confirm NOC Monitoring	07/31/26	07/31/26	
Wi-Fi Network Certification	08/03/26	08/07/26	
Test, Accept, Launch Phase	07/13/26	09/30/26	Milestone
Complete DAS Green Light, CW Testing & Optimization	07/13/26	08/14/26	
Complete WIFI QA Field Survey/RF Review/Optimization	08/14/26	09/18/26	
Issue Notice to Proceed to Carriers for Radio Installation	07/31/26	07/31/26	Carrier Contracts could pull this date in
Carriers BTS Equipment/POI Connections Installed and Tested	08/03/26	09/18/26	Stagger VZW/TMO/ATT HE installs as needed
Complete Carrier Integrations & DAS Commissioning	08/17/26	09/29/26	Stagger VZW/TMO/ATT DAS Commissioning
DAS & Wi-Fi Launch/In-Service Date	09/30/26	09/30/26	Milestone
Optimization and Closeout Phase	10/01/26	12/23/26	Network
Complete DAS & Wi-Fi Optimizations	10/01/26	11/30/26	
Compile DAS Carrier Closeout Packages	10/01/26	11/30/26	
Carrier DAS Acceptance Certifications	12/15/26	12/15/26	
Submit DAS & Wi-Fi As-Built Designs & CDs to Venue	12/23/26	12/23/26	
Operations & Maintenance Phase	09/30/26	---	Ongoing

Design Packages

To ensure a positive customer experience, Boingo will develop the as-built documents in AutoCAD and submit them electronically to the Authority for review and approval. The Final As-Built Drawings will include:

FINAL AS-BUILT DRAWING SUBMITTALS	
DELIVERABLE	DESCRIPTION
Detailed Design	- Final RF Design - Reviewed and stamped by an RF Engineer - Final Installation Design - Reviewed and stamped by a Professional Engineer
Floor Plan Drawings	- Reflect the true "installed conditions" and indicates: - Device locations - Device legends - Device names - All cable and fiber routes
Rack Elevations	Featuring installed equipment in IDF/MDF/TR/IT/DAS headend rooms

Provide a brief description of how the Respondent plans to effectively integrate with the DB Contractor for an efficient deployment.

As mentioned in the sections above, Boingo has worked extensively deploying DAS and Wi-Fi network infrastructure in new construction environments. Our team has an established track record of success integrating with design-build contractors and project stakeholders, having recently completed new builds at iconic venues such as Intuit Dome, SDSU's Snapdragon Stadium, and, most similar to BUR, the PDX Terminal Core Redevelopment Project. Boingo has an established playbook and best practices that will be applied to ensure the project is completed on time, safely, and exceeds the standards of the Authority. Some of these best practices include:

- Boingo project team will familiarize themselves and follow the guidelines and standards set forth in the "Hollywood Burbank Airport Replacement Passenger Terminal Project Tenant Construction Information" document provided as part of this RFP.
- Boingo will complete all prerequisites to begin work on site
- Boingo will conduct a kickoff meeting with DB Contractor and any necessary partners to review the design, project and overall approach, and attend weekly meetings held by the DB Contractor.
- Boingo will work with DB Contractor and respective trades to stay ahead of room and ceiling closures. It is critical to have the network infrastructure installed ahead of interior finish work to meet the overall project schedule and ensure TCO.
- Boingo will communicate concisely and transparently with DB Contractor and project stakeholders. Boingo will work as a part of the collective team which is paramount to the overall success of the project.
- Boingo will ensure its employees and contractors complete all Site Safety Orientation and Weekly Safety Meetings and comply with all Personal Protective Equipment Requirements.

Provide a brief description of how the Respondent plans to effectively integrate with the Authority for ongoing service contracts.

Boingo will effectively work with the Authority and its stakeholders, partners, and vendors during both the Pre-Concession Phase and during the Concession. During Pre-Concession, Boingo will meet with the Authority and DB Contractor to understand any contractual obligations and navigate accordingly. The Boingo dedicated Account Manager will be responsible for understanding the framework working with the Authority, tenants, and partners on a day-to-day basis.

Provide details on the warranty and maintenance terms, specifying durations of coverage, and services, and outlining options for warranty extensions, and maintenance plans to ensure a comprehensive understanding of ongoing support and services.

The proposed DAS equipment is covered under SOLiD's 3-year warranty, starting at the time of delivery. For the Wi-Fi solution, Extreme Networks has agreed to start the warranty once it has been accepted at BUR. Additionally, Extreme Networks allows the APs to be painted without voiding the warranty—unlike other Wi-Fi OEMS—providing BUR with the benefit of aesthetically camouflaging APs as needed. Boingo acknowledges that we will effectively operate and maintain each component of the system and all the hardware and software necessary for its efficient operation. Boingo will work with the hardware manufacturers to stock a variety of critical equipment spares and develop an advanced return merchandise authorization (RMA) strategy.

Boingo maintains the experience, processes, and relationships to fulfill any level of onsite repair and troubleshooting during and after equipment warranty periods. Each support option below is subject to the terms outlined in the SLA and related commercial agreements. Boingo maintains

an installation and on-demand break/fix relationship with a number of nationwide and regional on-site services providers. We are accustomed to and proficient at rapidly building and maintaining global wireless access networks down to the venue level, leveraging the below solutions, as appropriate, to adhere to required service levels.

- **Dedicated on-site engineers:** To support the largest, most critical locations and services, Boingo has dedicated engineers on-site for a minimum of eight hours/day for maintenance and immediate local support of issues.
- **Shared on-site engineers:** For slightly less critical services in which several locations are geographically clustered, Boingo has dedicated engineers on-site in at least one location daily with a short transit to other clustered locations, if needed.
- **Retained contracted services:** Where appropriate, Boingo retains break/fix and maintenance contracts with local trained, badged, and preferred contractors for 24/7 response within agreed upon SLAs.

DAS & WI-FI MAINTENANCE PLAN

Boingo's solution includes a detailed maintenance plan designed to integrate with the Authority's ongoing service contracts while driving consistency and delivering optimal system performance. Please see the overview below of the activities and frequency associated with preventative maintenance Boingo will perform over the duration of the contract:

ITEM	DESCRIPTION
Network Maintenance & Repair	• Address network issues according to agreed-upon Service Level Availability (SLA). • Alarm Management Process: 1. The Boingo NOC Analyst receives an alert from the monitoring system or a user. 2. The Boingo NOC Analyst troubleshoots and generates an internal NOC Ticket that automatically generates an external notification to the venue customer. 3. If the NOC cannot resolve the issue, the ticket will be sent to the Boingo Operations Field Engineer (FE) assigned to the venue. 4. The Boingo FE will begin advanced remote troubleshooting (timeline & additional venue notifications depend on the issue Severity) and, if unable to resolve, will dispatch themselves and/or a subcontractor partner to the venue. 5. With the Boingo NOC & Engineering teams, the Operations FE will troubleshoot until it is repaired. 6. The Boingo NOC will continue monitoring the problem area as needed before formally resolving the issue and closing the ticket. • All network device software/firmware configurations are backed up and maintained per company policy. • All service-affecting maintenance performed during established maintenance window periods except as needed to restore service. • Troubleshoot and repair known existing issues via remote connection.



	• Order required materials to complete repairs during the health check. • Continue troubleshooting during health checks as necessary • Troubleshoot and repair all alarms as currently present in the network management system, as possible via remote connection. • Verify in the DAS management system that all carriers have the expected input power into the DAS. • Verify in the DAS management system that all amplifiers are outputting the expected output power. • Confirm Wi-Fi controller configurations: - Access point groups - Tx power - Channel assignments - Frequency band utilization - Verify switch and router port labeling • Note any potential areas of concern and plan a resolution timeline accordingly. • Submit Weekly Performance Report. • Review and Discuss Report Findings during Bi-Weekly Status Meetings.
HVAC Maintenance (if applicable)	• Schedule: 1-4 times/year as the manufacturer requires. • Perform standard maintenance per manufacturer guidance. • Standard maintenance for inspection/replacement: - Inspect refrigerant charge as needed - Clean and/or replace all air filters - Clean indoor and outdoor units from any debris - Inspect for proper cooling - Inspect and clean drain pans and drain lines for any algae buildup - Inspect blower and grilles to ensure that air moves freely - Inspect Fan belts - Inspect and clean condenser and evaporator coils - Inspect wiring and connections - Make sure the unit cycles on and off properly - Inspect amperes on the fan motor and compressor for regular readings
Fire Suppression System Maintenance (if applicable)	• Check for any undue noise or vibration • Schedule: 1-4 times/year as required by the manufacturer and Authority Having Jurisdiction (AHJ), usually the local Fire Department. • Inspect the system to determine whether it is in service and satisfactory condition per NFPA standards. • Identify potentially detrimental site conditions that could compromise the performance of mechanical and/or electronic components of the system. • Inspect for adequate clearance and condition of the discharge devices to allow for proper distribution and activation.

	- Inspect each release control device for proper position, general condition, accessibility, and appropriate signage: - Inspect and conduct required tests for each particular hazard system. - Inspect the fire department connection couplings, caps, threads, clappers, check valves, and drains (where applicable). - Inspect the general condition of visible and accessible piping, hoses, hangers, drain valves, gauges, and related equipment. - Inspect cylinders, straps, and outlet fittings connected to the discharge manifold for tightness and bracing. - Check for the proper quantity of extinguishing agent, check storage pressure, and record the last hydro-test for agent cylinders and hoses.
Physical Inspection of Wireless Networks/Systems	- Schedule: Annually or per SLA. - Headend/Core: System physical inspection for proper labeling, security, cable management, connections, cleanliness, and device alarms not detected remotely. Clean filters on equipment where applicable. Ensure equipment is secure, and there are no safety concerns. - DAS Remote Radio Units: Inspect the physical condition of the DAS remotes, looking for signs of damage, corrosion, or loose connections. - Access Points & Antennas: Visual inspections are done to ensure the device is secure and, where applicable, the azimuth is as designed and that there are no environmental changes that would impede the RF signal. - IDFs: Verify that all cables and connectors are securely attached and undamaged. Inspect for general cleanliness and vacuum for dust and debris as needed. Ensure equipment is secure, temperature is within operating limits, and no safety concerns exist. - Fiber Infrastructure: Physical inspection to check for signs of damage, loose connections, or cable degradation. Clean all fiber connectors on any system with greater than 2.5 dB of optical loss and validate that connections are correctly labeled.
UPS Maintenance	- Physical Inspection of all connections and battery cells for corrosion, deterioration, torque, signs of overheating, and abnormalities. - Physical inspection of UPS for any alarms/notifications not detected remotely. - General cleanliness. Vacuum for dust/debris. - Verify proper voltage from each cell
Remote Maintenance	Remotely complete system software upgrades, security patches, and backups.
Network Performance Monitoring Probes	Probes simulate users by completing speed tests, watching online videos, uploading and downloading files to file-share

Periodic RF Walk Testing

- sites, and collecting information from the RF environment regularly throughout the day.
- Probes provide data to expand system monitoring capabilities and enhance network KPIs for reports and dashboards.
- Schedule: Following all hardware upgrades and per SLA.
- Collect signal data to ensure no degradation from design specifications.
- Using a spectrum analyzer, collect UL noise at the head-end (DAS only).
- Plots of individual channels on which macro interference is present (DAS only).
- Collect RF KPI measurements using an RF scanner in all areas covered by the DAS network for all active DAS inputs, including:
 - TOPN plots
 - RSRP
 - RSRQ
 - SINR
- Identify channel utilization and check for interference.
- RF power level validation testing.
- Complete throughput testing.
- Test connectivity, latency, & roaming.

Additional Disaster Recovery and Backup Plan

Due to the ever-evolving nature of network needs and related project risks, it is critical that BUR partners with a provider with a solid track record of deployment and operational experience across multiple technologies in the transportation sector. Our Disaster Recovery and Backup Plan provides continuity and recovery of our technology infrastructure and information, prevents the loss of company information, customer data, and transactions, and resumes primary business functions as soon as possible.

Methodology

Boingo is committed to the continuity of wireless service despite unpredictable events. Because we regularly test our critical business applications, we are fully equipped to continue operations in the event of a business interruption and resume operations quickly following a disaster.

Scenario Testing

Additionally, we partner with a vendor that provides data center and network recovery services if our facilities are unusable because of an incident. We have also established and rehearsed standardized procedures, including regularly scheduled back-ups and offsite storage, and teams that can quickly assess the incident, communicate the situation to senior management, and manage the recovery process.

The proposal shall be fully inclusive of all direct and indirect costs, fees, risks, and profits to deliver the Scope as defined in Exhibits A & B, relevant attachments, and the design drawings. This includes costs for day-to-day operations and maintenance and modifications or replacements of any equipment.

Boingo confirms that the proposed solution includes all direct and indirect costs, fees, risks, and profits to deliver the Scope as defined in Exhibits A & B, relevant attachments, and the design drawings.

6. PRICING STRUCTURE - CELLULAR CARRIER NEUTRAL HOST DISTRIBUTED ANTENNA SYSTEM

Provide a transparent and comprehensive pricing structure for the installation, maintenance, and continuous support of Cellular DAS and Public Wi-Fi. Clearly outline all relevant costs and details to ensure clarity and understanding of the financial aspects associated with the proposed Cellular DAS and Public Wi-Fi. Refer to Exhibit C – Pricing Structure. In the event the Concessionaire and/or the individual cellular carriers begin to provide new service offerings, utilizing new technologies (e.g., providing broadband data service using 5G technologies, and future Wi-Fi standards), any additional revenue generated, through the use of the Cellular DAS and Public Wi-Fi, will be subject to a new revenue sharing agreement with the Authority, to be negotiated prior to such services being brought online.

Revenue and Financing Model

Boingo is a leading neutral host provider with more than 25 years' experience delivering both DAS and Wi-Fi solutions to some of the world's most iconic venues and dynamic ownership groups. As the leader in new construction and airport deployments, we believe we are uniquely positioned to deliver the services described in the DAS and Wi-Fi RFP(s). Our proposal is designed to meet the priorities of Hollywood Burbank Airport, however, if there are categories, timing, etc., that better meet your operational needs, we would happily tailor a financial structure that meets and exceeds your objectives.

CELLULAR DAS + PUBLIC WI-FI (\$7.28M IN VALUE TO BUR)

Boingo proposes to design, build, operate, and maintain a state-of-the-art 5G Neutral Host DAS and Public Wi-Fi network at **no cost to Hollywood Burbank Airport**. The DAS and Wi-Fi will be deployed with the latest technology and our proposed solutions exceed the requirements outlined in Exhibit A and Exhibit B and throughout the RFP.

Included at no cost to Hollywood Burbank Airport (\$4,550,000 in value to BUR)

- Turnkey 5G Neutral Host DAS (\$2.96M)
- Turnkey Public Wi-Fi 7 (\$850,000)
- World Class Maintenance Monitoring Program (\$740,000)

Revenue to Hollywood Burbank (\$2,734,000)

In addition to the zero-cost infrastructure and full management of the DAS and Public Wi-Fi, our proposal includes both guaranteed revenue in the form of milestone-based payments, and Minimum Annual Guarantee (MAG) with a 5% escalator, and variable revenue that allows the Authority to share in additional upside throughout the 10-year term.

Revenue Payment Summary- Cellular DAS + Public Wi-Fi

	Payment Type	Amount
Milestone Payments	Upfront Payment at Construction Start	\$75,000
Milestone Payments	Carrier On Boarding	\$375,000
Recurring Payments	Minimum Annual Guarantee	\$1,509,000
Recurring Payments	Revenue Share (50%)	\$775,000
	Total Payments to Authority (10 yr)	\$2,734,000

The subsequent section provides further clarification and detail to our financial proposal.

Milestone Payments: (\$450,000)

Upfront (\$75,000)

Boingo will pay the Authority seventy-five thousand dollars (\$75,000) at commencement of construction.

Carrier On-Boarding Payments (\$375,000)

Boingo will pay the Authority one hundred twenty-five thousand dollars (\$125,000) per carrier at executing a carrier user agreement for a total of three hundred seventy-five thousand dollars (\$375,000).

Recurring Payments: (\$2,284,000)

Minimum Annual Guarantee (\$1,509,000)

Boingo will pay the Authority a Minimum Annual Guarantee (MAG) in the amount of one hundred twenty thousand dollars (\$120,00) per year. The MAG will also include an annual escalator of 5%. The total of MAG with the 5% escalator applied is (\$1,509,000) over the 10-year term. Boingo is flexible on the payment schedule and will accept monthly, quarterly or annual payments based on the Authority's preference.

Estimated Revenue Share Upside to Authority ~ (\$775,000 additional upside)

If revenue exceeds the Minimum Annual Guarantee, Boingo will provide a 50% share of revenue collected from the DAS and Wi-Fi networks to the Authority. Boingo has carefully evaluated Hollywood Burbank Airport and, given extensive experience operating DAS and Wi-Fi networks in airports. We estimate payments to the authority to exceed (\$775,000) dollars in addition to the (\$1,509,000) MAG for a total of (\$2,284,000) recurring revenue payments over the 10-year term.

Cellular DAS + Public Wi-Fi

Construction Commencement Payment	\$75,000
Carrier On Boarding Payment	\$375,000
Guaranteed Upfront Payments to Authority	\$450,000
Estimated Respondent Costs (Boingo)	\$3,811,000

	Year 0	Yrs 1-10 Total	Yrs 1-20 Total
Estimated Carrier Access Fees		\$3,742,257	\$8,483,296
Revenue Share			
MAG		1,358,412	3,571,123
Payments to Authority	\$850,000	\$1,871,128	\$4,254,365

Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
	\$336,000	\$343,920	\$352,045	\$360,381	\$368,934	\$377,710	\$386,714	\$395,953	\$405,435	\$415,165
	72,000	74,160	76,385	78,676	81,037	83,468	85,972	88,551	91,207	93,944
	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
	120,000	126,000	132,300	138,915	145,861	153,154	160,811	168,852	177,295	186,159
\$450,000	\$204,000	\$209,040	\$214,215	\$219,529	\$224,985	\$230,589	\$236,343	\$242,252	\$248,321	\$254,554

Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20
\$425,128	\$435,330	\$445,778	\$456,476	\$467,430	\$478,648	\$490,135	\$501,897	\$513,942	\$526,276
96,762	99,665	102,655	105,734	108,906	112,174	115,539	119,005	122,575	126,252
50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
195,467	205,241	215,503	226,278	237,592	249,471	261,945	275,042	288,794	303,234
\$260,945	\$267,498	\$274,216	\$281,105	\$288,168	\$295,411	\$302,837	\$310,451	\$318,259	\$326,264

Assumptions and Clarifications

- Our financial proposal and assumptions are based on the technical requirements and information provided in the RFP, including all Addendums, Exhibits, and documentation during the solicitation.
- Revenue will be generated from both the DAS and Public Wi-Fi solutions. Wireless Carriers will pay access fees for DAS, and Wi-Fi will generate revenue through authority-approved advertising, media, and off-loading opportunities.
- The model assumes the internet backhaul for the Public Wi-Fi will be furnished by the Authority.
- The upfront Public Wi-Fi capital investment is limited to (\$850,000) per the current scope outlined in the RFP.
- There are no upfront or recurring fees to build, manage, and operate the Cellular DAS and Public Wi-Fi network at Hollywood Burbank Airport.
- Upgrades and new revenue-generating technologies throughout the term will be handled with either an amendment or new agreement per the RFP.
- Boingo provides timely payments to its clients, however, if payment is late to the Authority, Boingo would recommend a 15-day grace period and a 10% penalty fee.
- Boingo would be happy to discuss a mechanism that works for the Authority to ensure a transfer of assets at the end of term.

ALTERNATIVE STRUCTURE: CELLULAR DAS WITH NO PUBLIC WI-FI (\$6.21M)

In addition to the above proposal, Boingo is willing to provide Cellular DAS as a standalone solution should the Authority prefer to remove the Wi-Fi additive Alternate from the proposed scope.

Boingo would design, build, operate, and maintain state-of-the-art 5G Neutral Host DAS at **no cost to Hollywood Burbank Airport**. The DAS will be deployed with state-of-the-art technology and follow the requirements outlined in Exhibit A of the RFP. Similar to the structure above, Boingo would provide a turnkey DAS and ongoing operation at no cost to the Authority.

Included at no cost to Hollywood Burbank Airport \$3,490,000 in value to BUR)

- Turnkey 5G Neutral Host DAS (\$2.96M)
- World Class Maintenance Monitoring Program (\$530,000)

Revenue to Hollywood Burbank Airport (\$2,720,000)

In addition to the zero-cost infrastructure and full management of the DAS, the proposal includes guaranteed revenue in the form of milestone-based payments and a Minimum Annual Guarantee (MAG) with a 5% escalator and variable revenue that allows the Authority to share in additional upside throughout the 10-year term.

Guaranteed Revenue Payment Summary- Cellular DAS only

	Payment Type	Amount
Milestone Payment	Upfront Payment at Construction Start	\$100,000
Milestone Payment	Carrier On Boarding	\$750,000
Recurring Payments	Minimum Annual Guarantee	\$1,358,000
Recurring Payments	Revenue Share (50%)	\$512,000
	Total Guaranteed Payments to Authority	\$2,720,000

Milestone Payments: (\$850,000)Upfront (\$100,000)

Boingo will pay the Authority one hundred thousand dollars (\$100,000) at the commencement of construction.

Carrier On-Boarding Payments (\$750,000)

Boingo will pay the Authority two hundred fifty thousand dollars (\$250,000) per carrier at executing a carrier user agreement for a total of seven hundred fifty thousand dollars (\$750,000).

Recurring Payments: (\$1,870,000)Minimum Annual Guarantee (\$1,358,000)

Boingo will pay the Authority a Minimum Annual Guarantee (MAG) in the amount of one hundred eight thousand dollars (\$108,00) per year. The MAG will also include an annual escalator of 5%. The total of MAG with the 5% escalator applied is (\$1,358,000) over the 10-year term. Boingo is flexible on the payment schedule and will accept monthly, quarterly or annual payments based on the Authority's preference.

Estimated Revenue Share Upside to Authority ~ (\$512,000) additional upside)

If revenue exceeds the Minimum Annual Guarantee, Boingo will provide a 50% share of revenue collected from the DAS and Wi-Fi networks to the Authority. We estimate payments to exceed (\$512,000) dollars in addition to the (\$1,358,000) MAG for a total of (\$1,870,000) dollars in recurring revenue payments over the 10-year term.

Cellular DAS Only

Construction Commencement Payment	\$100,000
Carrier On Boarding Payment	\$750,000
Guaranteed Upfront Payments to Authority	\$850,000
Estimated Respondent Costs (Boingo)	\$2,961,000

	Year 0	Yrs 1-10 Total	Yrs 1-20 Total
Estimated Carrier Access Fees		\$3,742,257	\$8,483,296
Estimated Offload and Advertising		825,399	1,934,667
Revenue Share			
MAG		1,509,347	3,967,914
Payments to Authority	\$450,000	\$2,283,828	\$5,208,982

Year 0	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
	\$336,000	\$343,920	\$352,045	\$360,381	\$368,934	\$377,710	\$386,714	\$395,953	\$405,435	\$415,165
	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
	108,000	113,400	119,070	125,024	131,275	137,838	144,730	151,967	159,565	167,543
\$850,000	\$168,000	\$171,960	\$176,023	\$180,191	\$184,467	\$188,855	\$193,357	\$197,977	\$202,717	\$207,582
Year 11	Year 12	Year 13	Year 14	Year 15	Year 16	Year 17	Year 18	Year 19	Year 20	
\$425,128	\$435,330	\$445,778	\$456,476	\$467,430	\$478,648	\$490,135	\$501,897	\$513,942	\$526,276	
50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	
175,921	184,717	193,952	203,650	213,833	224,524	235,750	247,538	259,915	272,911	
\$212,564	\$217,665	\$222,889	\$228,238	\$233,715	\$239,324	\$245,067	\$250,949	\$259,915	\$272,911	

Assumptions and Clarifications

- Our financial proposal and assumptions are based on the technical requirements and information provided in the RFP, including all Addendums, Exhibits, and documentation during the solicitation.
- Revenue will be generated from Neutral Host DAS. Wireless Carriers will pay access fees for DAS, which will be shared with The Authority.
- There is no cost or fee to Hollywood Burbank Airport for the DAS.
- Upgrades and new revenue-generating technologies throughout the term will be handled with either an amendment or new agreement per the RFP.
- Boingo provides timely payments to its clients, however, if payment is late to the Authority, Boingo would recommend a 15-day grace period and a 10% penalty fee.
- Boingo would be happy to discuss a mechanism that works for the Authority to ensure a transfer of assets at the end of the term.

7. CONCESSION AGREEMENT ACKNOWLEDGEMENT STATEMENT

A sample Concession Agreement will be issued in an addendum to this RFP as Exhibit D. Respondent must include in its proposal a sample agreement acknowledgment statement indicating either: (i) Respondent will execute the sample agreement as presented; or (ii) Respondent objects to language in the sample agreement. If Respondent objects to any language contained in the sample agreement, then Respondent must identify the contested contract language and shall submit alternative contract language for consideration. Proposals that do not expressly declare such a statement related to their acceptance of the sample agreement, and that do not identify contested contract language and include alternative contract language, shall be deemed nonresponsive. The scope, nature, and severity of the alternative contract language submissions (particularly as they relate to the indemnification requirement) may result in a reduced score. The Authority reserves the right to alter the sample agreement after the selection of a firm with notice and agreement to the proposed awardee.

#	LOCATION IN RFP DOCUMENT	OBJECTION	ALTERNATIVE PROVISION
1	20.6	Business Interruption Insurance	Boingo will provide a more reasonable limit to the amount of economic loss that could occur due to our system.
2	20.8	Commercial Crime Insurance	Criminal, Intentional, or Fraudulent Acts are excluded from most insurance policies and likely would not apply in this situation in any event.
3	2.3	Expiration Date; Option to Extend	Boingo is willing to discuss this further with the Authority but would prefer to align the Expiration Date to the System On Air Date in the event the RPT Opening Date changes.
4	3.3	Non-Exclusive Rights	We understand the Authority cannot grant Boingo exclusive rights to all FCC licensed frequencies, such as those utilized by Air Traffic Control or Ground Operations; however, Boingo would just need exclusivity to frequencies used by wireless carriers.

8. INSURANCE

Respondent shall provide a sample certificate of insurance that accurately represents and verifies that the required insurance coverage will be met. The requirements are listed in Exhibit D – Concession Agreement.

LIABILITY INSURANCE

ACORD		CERTIFICATE OF LIABILITY INSURANCE		DATE (MM/DD/YYYY) 1/31/2025	
THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.					
IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).					
PRODUCER Marsh & McLennan Agency LLC Marsh & McLennan Ins. Agency LLC 1 Polaris Way #300 Aliso Viejo CA 92656		CONTACT NAME: RJ Simmons PHONE (A/C, No. Ext): 949-544-8461 FAX (A/C, No.): E-MAIL ADDRESS: occerts@MarshMMA.com		INSURER(S) AFFORDING COVERAGE NAIC #	
INSURED Boingo Wireless, Inc. 17 Cowboys Way, Suite 400 Frisco, TX 75034		License#: 0H18131 BOINGWIREL		INSURER A: Berkley National Insurance Company INSURER B: Berkley Regional Insurance Company INSURER C: Riverport Insurance Company INSURER D: Underwriters at Lloyd's London INSURER E: INSURER F:	
COVERAGES CERTIFICATE NUMBER: 790623879 REVISION NUMBER:					
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.					
INSUR	TYPE OF INSURANCE	ADULT SUB	POLICY NUMBER	POLICY EFF	POLICY EXP
LTB		INSO		(MM/DD/YYYY)	(MM/DD/YYYY)
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☒ POLICY ☐ PER ☐ LOC OTHER:	N	TCPT00875518	7/1/2024	7/1/2025
					LIMITS EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$1,000,000 MED EXP (Any one person) \$15,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COM/OP AGG \$2,000,000 \$
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY	N	TCA701131017	7/1/2024	7/1/2025
					COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$1,000,000 BODILY INJURY (Per accident) \$1,000,000 PROPERTY DAMAGE (Per accident) \$ \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000	N	TUL700875718	7/1/2024	7/1/2025
					EACH OCCURRENCE \$25,000,000 AGGREGATE \$25,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ☐ ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/OWNER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	TWC700803618	7/1/2024	7/1/2025
		N/A			☒ PER STATUTE ☐ OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000
D	CYBER/TECH E&O \$50,000 RETENTION PER CLAIM	N	W1BDAB240901 ACX1106424	7/1/2024 7/1/2025	7/1/2025 7/1/2025
					POLICY AGG LIMIT: \$5,000,000 POLICY AGG LIMIT: \$5,000,000 SUBLIMITS RETRODATES: "SEE BELOW"
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) CYBER / TECH E&O SUBLIMITS: PRIVACY NOTIFICATION COSTS - \$5,000,000 REGULATORY DEFENSE & PENALTIES - \$5,000,000 PCI FINES, EXPENSES & COSTS - \$5,000,000 CYBER / TECH E&O RETROACTIVE DATES: BOINGO WIRELESS, INC. - 1/18/2003 ENDEKA GROUP, INC. - 2/21/2013 ELECTRONIC MEDIA SYSTEMS, INC. - 10/31/2013 See Attached...					
CERTIFICATE HOLDER			CANCELLATION		
Evidence of Coverage			SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.		
			AUTHORIZED REPRESENTATIVE <i>La Laft</i>		

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AGENCY CUSTOMER ID: BOINGWIREL

LOC #:

ADDITIONAL REMARKS SCHEDULE

Page 1 of 1

AGENCY Marsh & McLennan Agency LLC		NAMED INSURED Boingo Wireless, Inc. 17 Cowboys Way, Suite 400 Frisco, TX 75034
POLICY NUMBER		
CARRIER	NAIC CODE	EFFECTIVE DATE:

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE
ADVANCED WIRELESS GROUP, LLC - 10/31/2013
FOR SCHEDULED INSURING AGREEMENTS:
TECH & PROF SERVICES AND TECH PRODUCT LIABILITY- 7/1/2016

RE: Evidence of coverage.

ACORD 101 (2008/01)

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NAMED INSURED SCHEDULE

Boingo Wireless, Inc.
Concourse Communications Group, LLC
New York Telecom Partners, LLC
Chicago Concourse Development Group, LLC
Concourse Communications Canada, Inc.
Concourse Communications Minnesota, LLC
Concourse Communications Nashville, LLC
Concourse Communications SSP, LLC
Concourse Communications St. Louis, LLC
Concourse Communications UK, Ltd.
Concourse Holding Co., LLC
InGate Holding, LLC
InGate Technologies, LLC
Opti-Fi Networks, LLC
Tego Communications, Inc.
Concourse Communications Illinois, LLC
Boingo Holding Participacoes Ltda.
Concourse Telecomunicacoes Brasil Ltda.
Endeka Group, Inc.
Advanced Wireless Group, LLC
Electronic Media Systems, Inc.
Boingo Broadband LLC
Boingo Limited
Boingo LLC
Boingo MTA, LLC
Sobey Networks, LLC

PROPERTY INSURANCE



EVIDENCE OF PROPERTY INSURANCE

DATE (MM/DD/YYYY)
1/31/2025

THIS EVIDENCE OF PROPERTY INSURANCE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE ADDITIONAL INTEREST NAMED BELOW. THIS EVIDENCE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS EVIDENCE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE ADDITIONAL INTEREST.

AGENCY Marsh & McLennan Agency LLC Marsh & McLennan Ins. Agency LLC 1 Polaris Way #300 Aliso Viejo, CA 92656		PHONE (A/C No. Ext): 949-900-1780	COMPANY Berkley National Insurance Company P O Box 1594 Des Moines, IA 50306
FAX (A/C No.):		E-MAIL ADDRESS:	License#: OH18131
CODE:		SUB CODE:	
AGENCY CUSTOMER ID#:		INSURED Boingo Wireless, Inc. 17 Cowboys Way, Suite 400 Frisco TX 75034	
LOAN NUMBER		POLICY NUMBER TCP700875518	
EFFECTIVE DATE 07/01/2024		EXPIRATION DATE 07/01/2025	☐ CONTINUED UNTIL ☐ TERMINATED IF CHECKED
THIS REPLACES PRIOR EVIDENCE DATED:			

PROPERTY INFORMATION

LOCATION/DESCRIPTION

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS EVIDENCE OF PROPERTY INSURANCE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

COVERAGE INFORMATION	PERILS INSURED	BASIC	BROAD	X	SPECIAL	AMOUNT OF INSURANCE	DEDUCTIBLE
COVERAGE / PERILS / FORMS							
Blanket Business Personal Property, Replacement Cost, No Coinsurance						\$500,156,539	\$50,000
Blanket Business Income & Extra Expense						\$3,000,000	48 Hours
Earth Movement, Sprinkler Leakage- 72 Hour Waiting Period						BPP Limits	\$50,000
Unscheduled Locations						\$500,000	\$50,000

REMARKS (Including Special Conditions)

RE: Evidence of coverage.

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

ADDITIONAL INTEREST

NAME AND ADDRESS Evidence of Coverage	☐ ADDITIONAL INSURED	☐ LENDER'S LOSS PAYABLE	☐ LOSS PAYEE
	☐ MORTGAGEE		
	LOAN#		
	AUTHORIZED REPRESENTATIVE 		

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NAMED INSURED SCHEDULE

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Concourse Communications Minnesota, LLC
Concourse Communications Nashville, LLC
Concourse Communications SSP, LLC
Concourse Communications St. Louis, LLC
Concourse Communications UK, Ltd.
Concourse Holding Co., LLC
InGate Holding, LLC
InGate Technologies, LLC
Opti-Fi Networks, LLC
Tego Communications, Inc.
Concourse Communications Illinois, LLC
Boingo Holding Participacoes Ltda.
Concourse Telecomunicacoes Brasil Ltda.
Endeka Group, Inc.
Advanced Wireless Group, LLC
Electronic Media Systems, Inc.
Boingo Broadband LLC
Boingo Limited
Boingo LLC
Boingo MTA, LLC
Sobey Networks, LLC

9. AUDITED FINANCIAL STATEMENTS

Respondents shall submit audited financial statements to the Authority reflecting the last three fiscal years of operation.

We have [linked here](#) for your reference the Form 10-K for Boingo Wireless, Inc. (“Company” or “Boingo”) for the year ended December 31, 2020 as filed with the U.S. Securities and Exchange Commission on March 1, 2021. On June 2, 2021, the Company was acquired by [DigitalBridge Group, Inc.](#) (NYSE: DBRG), which resulted in a merger of the Company into a wholly owned subsidiary of DigitalBridge called White Sands Bidco, Inc., which was incorporated on February 25, 2021. The audited financial statements for the period ended December 31, 2021 include the operating results of the Company from the date of the closing of the merger transaction which includes the effect of pushdown accounting recorded in accordance with US GAAP. Below is our audited financial statements for the period from February 25, 2021 to December 31, 2021 and for the year ended December 31, 2022 and 2023.

Boingo Wireless, Inc.

Consolidated Financial Statements
December 31, 2023 and 2022



Report of Independent Auditors

To the Management and Board of Directors of Boingo Wireless, Inc.

Opinion

We have audited the accompanying consolidated financial statements of Boingo Wireless, Inc. and its subsidiaries (the "Company"), which comprise the consolidated balance sheets as of December 31, 2023 and 2022, and the related consolidated statements of operations, of comprehensive loss, of stockholders' equity and of cash flows for the years then ended, including the related notes (collectively referred to as the "consolidated financial statements").

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2023 and 2022, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are required to be independent of the Company and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for one year after the date the consolidated financial statements are available to be issued.

Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery,

PricewaterhouseCoopers LLP, 601 South Figueroa, Los Angeles, CA 90017
T: (213) 356 6000, www.pwc.com/us



intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the consolidated financial statements.

In performing an audit in accordance with US GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the consolidated financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises management discussion & analysis, but does not include the consolidated financial statements and our auditors' report thereon. Our opinion on the consolidated financial statements does not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the consolidated financial statements or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

PricewaterhouseCoopers LLP

Los Angeles, California
April 29, 2024

Boingo Wireless, Inc.
Consolidated Balance Sheets
December 31, 2023 and 2022

<i>(in thousands, except share amounts)</i>	2023	2022
Assets		
Current assets		
Cash and cash equivalents	\$ 21,165	\$ 22,585
Accounts receivable, net of allowance for credit losses of \$360 and \$91, respectively	70,867	57,994
Prepaid expenses and other current assets	11,660	7,452
Total current assets	103,692	88,031
Property and equipment, net	500,550	496,306
Operating lease right-of-use assets, net	10,777	11,329
Intangible assets, net	177,775	230,073
Goodwill	322,975	322,975
Other assets	38,906	26,024
Total assets	<u>\$ 1,154,675</u>	<u>\$ 1,174,738</u>
Liabilities and Stockholders' Equity		
Current liabilities		
Accounts payable	\$ 31,763	\$ 34,233
Accrued expenses and other liabilities	61,376	70,947
Due to affiliate	8,792	6,313
Deferred revenue	84,048	72,828
Current portion of operating leases	3,812	3,395
Current portion of long-term debt	18,635	5,780
Total current liabilities	208,426	193,496
Deferred revenue, net of current portion	283,157	271,683
Long term portion of operating leases	10,106	10,834
Long term debt	320,800	256,944
Deferred tax liabilities	-	7,581
Total liabilities	822,489	740,538
Commitments and contingencies (Note 12)		
Stockholder's equity		
Common stock, \$0.001 par value; 1,000 shares authorized, issued and outstanding	-	-
Additional paid-in capital	594,125	594,125
Accumulated deficit	(259,994)	(159,962)
Accumulated other comprehensive income	74	69
Total common stockholders' equity	334,205	434,232
Noncontrolling interests	(2,019)	(32)
Total stockholders' equity	332,186	434,200
Total liabilities and stockholders' equity	<u>\$ 1,154,675</u>	<u>\$ 1,174,738</u>

The accompanying notes are an integral part of these consolidated financial statements.

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Boingo Wireless, Inc.
Consolidated Statements of Operations
Years Ended December 31, 2023 and 2022

<i>(in thousands)</i>	2023	2022
Revenue	\$ 277,761	\$ 233,007
Cost of sales	<u>187,417</u>	<u>140,658</u>
Gross profit	90,344	92,349
Selling, general and administrative expenses	<u>177,772</u>	<u>164,145</u>
Loss from operations	(87,428)	(71,796)
Interest expense and amortization of debt discount	(24,283)	(13,978)
Interest income and other expense, net	<u>2,592</u>	<u>(1,090)</u>
Loss before income taxes	(109,119)	(86,864)
Income tax benefit	<u>7,505</u>	<u>22,137</u>
Net loss	(101,614)	(64,727)
Net income attributable to noncontrolling interests	<u>(1,582)</u>	<u>99</u>
Net loss attributable to common stockholders	<u>\$ (100,032)</u>	<u>\$ (64,826)</u>

The accompanying notes are an integral part of these consolidated financial statements.

Boingo Wireless, Inc.
Consolidated Statements of Cash Flows
Years Ended December 31, 2023 and 2022

<i>(in thousands)</i>	2023	2022
Cash flows from operating activities		
Net loss	\$ (101,614)	\$ (64,727)
Adjustments to reconcile net loss including noncontrolling interests to net cash provided by operating activities		
Depreciation and amortization of property and equipment	115,768	101,181
Amortization of intangible assets	52,298	48,651
Losses on disposals and abandonment of property and equipment, and other	2,603	1,510
Equity-based compensation	2,581	2,824
Amortization of deferred financing costs, net of amounts capitalized	2,574	2,397
Noncash operating lease cost	3,045	2,578
Bad debt expense	269	93
Change in deferred income taxes	(7,581)	(22,466)
Changes in operating assets and liabilities, net of effect of acquisition		
Accounts receivable	(13,022)	4,725
Prepaid expenses and other assets	(15,831)	(15,060)
Accounts payable	9,165	(698)
Accrued expenses and other liabilities	4,955	1,605
Due to affiliate	(101)	(321)
Deferred revenue	19,517	58,447
Operating lease liabilities	(2,604)	(3,266)
Net cash provided by operating activities	<u>72,020</u>	<u>118,873</u>
Cash flows from investing activities		
Purchases of property and equipment	(147,648)	(112,068)
Acquisitions, net of cash acquired	-	(11,970)
Proceeds from sale of assets	-	2,500
Net cash used in investing activities	<u>(147,648)</u>	<u>(121,538)</u>
Cash flows from financing activities		
Payments on convertible notes	(530)	-
Proceeds from credit facility	102,000	-
Payments on credit facility	(25,863)	(700)
Debt issuance costs	(1,328)	-
Payments to noncontrolling interests	(250)	(250)
Net cash provided by (used in) financing activities	<u>74,029</u>	<u>(950)</u>
Effect of exchange rates on cash	<u>179</u>	<u>92</u>
Net decrease in cash and cash equivalents	<u>(1,420)</u>	<u>(3,523)</u>
Cash and cash equivalents		
Beginning of period	<u>22,585</u>	<u>26,108</u>
End of period	<u>\$ 21,165</u>	<u>\$ 22,585</u>
Supplemental disclosure of cash flow information		
Cash paid for		
Interest, net of amounts capitalized	\$ 21,568	\$ 10,307
Taxes, net of refunds	302	129
Supplemental disclosure of noncash investing and financing activities		
Property and equipment costs included in accounts payable, accrued expenses and other liabilities	\$ 36,375	\$ 64,540
Property and equipment costs received as noncash consideration	3,177	-
Issuance of Parent company's shares for business acquisition	-	4,125
Right-of-use assets obtained in exchange for operating lease liabilities	2,487	3,166

The accompanying notes are an integral part of these consolidated financial statements.

Boingo Wireless, Inc.
Consolidated Financial Statements
December 31, 2022 and February 25, 2021 (Inception)
to December 31, 2021



Report of Independent Auditors

To the Management and Board of Directors of Boingo Wireless, Inc.

Opinion

We have audited the accompanying consolidated financial statements of Boingo Wireless, Inc. and its subsidiaries (the "Company"), which comprise the consolidated balance sheets as of December 31, 2022 and December 31, 2021, and the related consolidated statements of operations, of comprehensive loss, of stockholders' equity and of cash flows for the year ended December 31, 2022 and for the period from February 25, 2021 (Inception) to December 31, 2021, including the related notes (collectively referred to as the "consolidated financial statements").

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2022 and December 31, 2021, and the results of its operations and its cash flows for the year ended December 31, 2022 and for the period from February 25, 2021 (Inception) to December 31, 2021 in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are required to be independent of the Company and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for one year after the date the consolidated financial statements are available to be issued.

Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial

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likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the consolidated financial statements.

In performing an audit in accordance with US GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the consolidated financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the consolidated financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises management discussion and analysis, but does not include the consolidated financial statements and our auditors' report thereon. Our opinion on the consolidated financial statements does not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the consolidated financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the consolidated financial statements or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

PricewaterhouseCoopers LLP

Los Angeles, California
April 27, 2023

Boingo Wireless, Inc.
Consolidated Balance Sheets
December 31, 2022 and 2021

<i>(in thousands, except share amounts)</i>	2022	2021
Assets		
Current assets		
Cash and cash equivalents	\$ 22,585	\$ 26,108
Accounts receivable, net of allowance for doubtful accounts of \$91 and \$0, respectively	57,994	61,980
Prepaid expenses and other current assets	7,452	12,260
Total current assets	88,031	100,348
Property and equipment, net	496,306	458,291
Operating lease right-of-use assets, net	11,329	10,989
Intangible assets, net	230,073	268,802
Goodwill	322,975	315,542
Other assets	26,024	11,363
Total assets	<u>\$ 1,174,738</u>	<u>\$ 1,165,335</u>
Liabilities and Stockholders' Equity		
Current liabilities		
Accounts payable	\$ 34,233	\$ 21,297
Accrued expenses and other liabilities	70,947	56,351
Due to affiliate	6,313	3,809
Deferred revenue	72,828	63,453
Current portion of operating leases	3,395	2,904
Current portion of long term debt	5,780	669
Total current liabilities	193,496	148,483
Deferred revenue, net of current portion	271,683	220,420
Long term portion of operating leases	10,834	11,668
Long term debt	256,944	262,724
Deferred tax liabilities	7,581	27,204
Total liabilities	<u>740,538</u>	<u>670,499</u>
Commitments and contingencies (Note 13)		
Stockholders' equity		
Common stock, \$0.001 par value; 1,000 shares authorized, issued and outstanding	-	-
Additional paid-in capital	594,125	590,000
Accumulated deficit	(159,962)	(95,136)
Accumulated other comprehensive income (loss)	69	(161)
Total common stockholders' equity	434,232	494,703
Noncontrolling interests	(32)	133
Total stockholders' equity	<u>434,200</u>	<u>494,836</u>
Total liabilities and stockholders' equity	<u>\$ 1,174,738</u>	<u>\$ 1,165,335</u>

The accompanying notes are an integral part of these consolidated financial statements.

Boingo Wireless, Inc.
Consolidated Statements of Operations
Year Ended December 31, 2022 and Period From February 25, 2021 (Inception) to
December 31, 2021

<i>(in thousands)</i>	2022	2021
Revenue	\$ 233,007	\$ 133,742
Cost of sales	<u>140,658</u>	<u>122,766</u>
Gross profit	92,349	10,976
Selling, general and administrative expenses	<u>164,145</u>	<u>127,643</u>
Loss from operations	(71,796)	(116,667)
Interest expense and amortization of debt discount	(13,978)	(5,204)
Interest income and other expense, net	<u>(1,090)</u>	<u>(16)</u>
Loss before income taxes	(86,864)	(121,887)
Income tax benefit	<u>22,137</u>	<u>26,835</u>
Net loss	(64,727)	(95,052)
Net income attributable to noncontrolling interests	<u>99</u>	<u>84</u>
Net loss attributable to common stockholders	<u>\$ (64,826)</u>	<u>\$ (95,136)</u>

The accompanying notes are an integral part of these consolidated financial statements.

Boingo Wireless, Inc.
Consolidated Statements of Cash Flows
Year Ended December 31, 2022 and Period From February 25, 2021 (Inception) to December 31, 2021

<i>(in thousands)</i>	2022	2021
Cash flows from operating activities		
Net loss	\$ (64,727)	\$ (95,052)
Adjustments to reconcile net loss including noncontrolling interests to net cash provided by operating activities		
Depreciation and amortization of property and equipment	101,181	133,171
Amortization of intangible assets	49,651	28,823
Losses on disposals and abandonment of property and equipment, and other	1,510	199
Equity-based compensation	2,824	-
Amortization of deferred financing costs, net of amounts capitalized	2,397	1,394
Noncash operating lease cost	2,578	1,360
Bad debt expense	93	32
Change in deferred income taxes	(22,466)	(27,097)
Changes in operating assets and liabilities, net of effect of acquisition		
Accounts receivable	4,725	(31,738)
Prepaid expenses and other assets	(15,060)	(13)
Accounts payable	(598)	827
Accrued expenses and other liabilities	1,905	(7,816)
Due to affiliate	(321)	3,809
Deferred revenue	58,447	52,034
Operating lease liabilities	(3,266)	(1,768)
Net cash provided by operating activities	<u>118,873</u>	<u>58,165</u>
Cash flows from investing activities		
Purchases of property and equipment	(112,068)	(62,556)
Acquisitions, net of cash acquired	(11,970)	(616,818)
Proceeds from sale of assets	2,500	-
Net cash used in investing activities	<u>(121,538)</u>	<u>(679,374)</u>
Cash flows from financing activities		
Proceeds from issuance of common stock	-	590,000
Payments on convertible notes	-	(200,720)
Proceeds from credit facility	-	270,000
Principal payments on credit facility	(700)	(350)
Debt issuance costs	-	(11,533)
Payments of finance leases and notes payable	-	(17)
Payments to noncontrolling interests	(250)	-
Net cash (used in) provided by financing activities	<u>(950)</u>	<u>647,380</u>
Effect of exchange rates on cash	92	(63)
Net (decrease) increase in cash and cash equivalents	<u>(3,523)</u>	<u>26,108</u>
Cash and cash equivalents		
Beginning of period	26,108	-
End of period	<u>\$ 22,585</u>	<u>\$ 26,108</u>
Supplemental disclosure of cash flow information		
Cash paid for		
Interest, net of amounts capitalized	\$ 10,307	\$ 2,642
Taxes, net of refunds	129	96
Supplemental disclosure of noncash investing and financing activities		
Property and equipment costs included in accounts payable, accrued expenses and other liabilities	\$ 64,540	\$ 38,197
Issuance of Parent company's shares for business acquisition	4,125	-
Right-of-use assets obtained in exchange for operating lease liabilities	3,166	-

The accompanying notes are an integral part of these consolidated financial statements.



Report of Independent Auditors

To Management and the Board of Directors of Boingo Wireless, Inc.

Opinion

We have audited the accompanying consolidated financial statements of Boingo Wireless, Inc. and its subsidiaries (the "Company"), which comprise the consolidated balance sheet as of December 31, 2021 and the related consolidated statement of operations, of comprehensive loss, of stockholder's equity and of cash flows for the period from February 25, 2021 (inception) to December 31, 2021, including the related notes (collectively referred to as the "consolidated financial statements").

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the Company as of December 31, 2021, and the results of its operations and its cash flows for the period from February 25, 2021 (inception) to December 31, 2021 in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Consolidated Financial Statements section of our report. We are required to be independent of the Company and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Responsibilities of Management for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

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Auditors' Responsibilities for the Audit of the Consolidated Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with US GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Company's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the consolidated financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Company's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

PricewaterhouseCoopers LLP

PricewaterhouseCoopers LLP
Los Angeles, CA
May 27, 2022

Boingo Wireless, Inc.
Consolidated Balance Sheet
December 31, 2021

(in thousands, except per share amounts)

Assets	
Current assets	
Cash and cash equivalents	\$ 26,108
Accounts receivable, net	61,980
Prepaid expenses and other current assets	12,260
Total current assets	100,348
Property and equipment, net	458,291
Operating lease right-of-use assets, net	10,989
Goodwill	315,542
Intangible assets, net	268,802
Other assets	11,363
Total assets	<u>\$ 1,165,335</u>
Liabilities and Stockholder's Equity	
Current liabilities	
Accounts payable	\$ 21,297
Accrued expenses and other liabilities	56,351
Due to affiliate	3,809
Deferred revenue	63,453
Current portion of operating leases	2,904
Current portion of long-term debt	669
Total current liabilities	148,483
Deferred revenue, net of current portion	220,420
Long-term portion of operating leases	11,668
Long-term debt	262,724
Deferred tax liabilities	27,204
Total liabilities	<u>670,499</u>
Commitments and contingencies (Note 16)	
Stockholder's equity	
Common stock, \$0.001 par value; 1 shares authorized, issued and outstanding	-
Additional paid-in capital	590,000
Accumulated deficit	(95,136)
Accumulated other comprehensive loss	(161)
Total common stockholder's equity	494,703
Noncontrolling interests	133
Total stockholder's equity	<u>494,836</u>
Total liabilities and stockholder's equity	<u>\$ 1,165,335</u>

The accompanying notes are an integral part of these consolidated financial statements.

Boingo Wireless, Inc.
Consolidated Statement of Operations
Period From February 25, 2021 (Inception) to December 31, 2021

(in thousands)

Revenue	\$ 133,742
Cost of sales	<u>122,766</u>
Gross profit	10,976
Selling, general and administrative expenses	<u>127,643</u>
Loss from operations	(116,667)
Interest expense and amortization of debt discount	(5,204)
Interest income and other expense, net	<u>(16)</u>
Loss before income taxes	(121,887)
Income tax benefit	<u>26,835</u>
Net loss	(95,052)
Net income attributable to noncontrolling interests	<u>84</u>
Net loss attributable to common stockholder	<u>\$ (95,136)</u>

The accompanying notes are an integral part of these consolidated financial statements.

10. EXHIBIT E – ADDITIONAL QUALIFICATIONS AND PROCESS QUESTIONS

In addition to the questions in this RFP, Respondents shall submit responses to the questions in Exhibit E.

PRE-CONSTRUCTION PROCESS

1. Q: How do you plan to engage the carriers to establish brand new User Agreement?

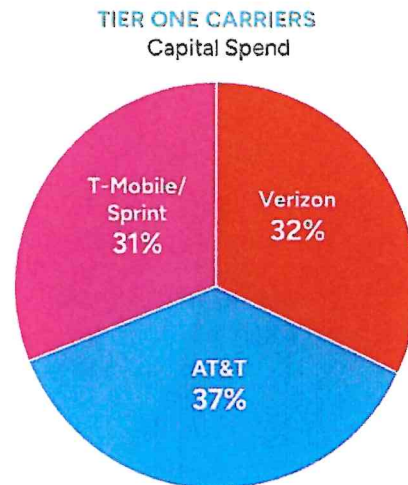
Our Process to Securing Carriers

Once BUR becomes a Boingo partner, we share a venue marketing deck providing them with an overview of the system and the location, amenities, distinguishing features, nearby attractions where it was built, scope of coverage, and specifics of the design and capabilities of the Boingo network. Next, the carrier allocates project funds and adds them to its budget. Boingo then works with the carrier to approve the final design, pricing, and contract. Once all is agreed upon, we execute the contract and move to the build phase. Boingo holds weekly calls with the carriers to discuss the project's status and ensures the carriers are up to date with the latest information. **Boingo has a proven track record of success onboarding carriers on similar new construction projects, most recently seen at the PDX modernization and Intuit Dome with all three major carriers on opening day.**

Additionally, Boingo has the necessary deployment experience and strong carrier relationships to execute the DAS installation at BUR successfully. We understand that optimal passenger and staff experience is a top priority. The Boingo Carrier Team will work directly with the carriers throughout the process to develop and deploy a 5G-capable solution that meets the needs of both the BUR and wireless carriers. Our Carrier Team will also facilitate carrier-specific engagement, satisfaction, and performance indicators to ensure the project's success.

CARRIER PARTICIPATION

- **Deep carrier relationships** with dedicated account managers marketing our premier portfolio of venues
- Boingo designs wireless communications networks/structures **intended to benefit all carriers**



Carrier Experience: Boingo has designed approximately \$500 million of carrier infrastructure over the past three years alone.

Boingo's Carrier Marketing Plan

As noted above, Boingo's success and track record with securing carriers on neutral-host DAS networks at major airports (e.g., largest 60 airports by enplanements) is unrivaled among its peer group. This is evidenced by our 100% success rate securing full carrier participation at the venues we represent, including John Wayne International Airport (SNA), Kahului Airport (OGG), and General Mitchell International Airport (MKE).

Market Status

The wireless industry is poised for years of continued growth. New cellular-enabled devices continue to proliferate, driving tremendous demand for mobile data. Carrier capital expenditure budgets have steadily increased in recent years to ensure incremental revenue derived from data consumption is captured. These trends represent a significant opportunity to improve wireless coverage/capacity at countless venues.

Boingo Approach

Boingo has built sales, engineering, and project management teams dedicated to working with wireless carriers to fulfill their network expansion and upgrade plans. These teams are focused solely on carrier satisfaction and performance indicators to ensure maximum participation and investment. Specifically, each team will be responsible for the following elements of the Airport's carrier marketing plan:

TEAM	RESPONSIBILITIES
Carrier Sales	• Work directly with wireless operators nationally and locally to guarantee Boingo's existing and planned projects are included in their capital budgeting process. • For each venue, Boingo will perform a thorough analysis using benchmark data and propagation maps at the properties so carriers can see what service their customers (and their competitors' customers) can expect. • Facilitate dialogue between Boingo and the carriers to ensure a smooth design, build, and launch. • Create proposals and negotiate contracts with the carriers.
Carrier Engineering	• Work closely with their carrier counterparts to design and build a network consistent with their specifications. • Combine the requirements of all carriers into a single, neutral design to accommodate the specifications of all carriers. • Redistribute the design to all carriers for review and approval. • Review all requests and update the design until all carriers are satisfied and a final design is approved.
Carrier Project Management	• Oversee the construction of the system. • Work with the carriers on all "punch list" items, including testing, optimization (jointly with engineering), and final acceptance.

To date, Boingo has maintained existing relationships with, but are not limited to:

- AT&T
- Verizon Wireless
- T-Mobile/Sprint
- US Cellular

- Dish
- Cricket
- MetroPCS

2. Q: How many carriers User Agreements are required to begin construction?

Boingo will immediately commence work during the Pre-Concession Period as defined in Section 2.2 in the Concession Agreement. It is necessary to begin work with the construction of the Replacement Passenger Terminal and Parking Structure to meet the Authority's timeline. Our ability to build the DAS and Wi-Fi network during the construction phase is considered within our model and will allow Boingo to control costs on behalf of the wireless carriers—a key component in our strategy for on-board carriers prior to Concession start. In summary, Boingo will not require a carrier agreement to begin work on the project.

3. How do you plan to coordinate critical milestones, schedules, and timeframes involved in transitioning User Agreements into Construction process with the Design/Builder?

Boingo's skilled team of project and construction managers oversee the design, engineering, development, construction, installation, and commissioning of all Boingo systems. The project and construction managers work with local Boingo-certified and trained installation and integration contractors and Boingo's RF Engineering team to ensure compliance to accepted workmanship standards; partner and carrier expectations; international, national, and local building codes; and all requirements set by the RFP. Please see **Section 5: Proposed Approach** which includes an **Implementation Plan** detailing how Boingo coordinates critical milestones, schedules, and timeframes.

4. Detail your approach to communicating and managing User Agreement negotiations during the onboarding process. Include strategies for addressing potential resistance and facilitating a positive experience.

Our team excels at collaborative problem-solving, achieving full carrier participation at top airports by prioritizing mutually beneficial solutions for all stakeholders, including venues. When conflicts arise, we conduct thorough analyses to balance carrier needs, venue limitations, and overall performance to identify the most effective resolution.

5. Have you included a complete design that can be used for coordination during the Respondent contracting process?

Yes. See design **Section 5: Proposed Approach**.

A: Technology

1. Q: How do you evaluate and choose technology for medium to large venue DAS projects, ensuring alignment with stakeholder considerations like those of the airport and carriers?

Boingo's in-house team has extensive experience with all major DAS Original Equipment Manufacturer (OEMs) and leverages a standardized process for final OEM selection during the formal design process. This approach considers the short and long-term technical and financial objectives of the stakeholders, as well as unique characteristics of the venue. Based on Boingo's preliminary due diligence, Boingo chooses an OEM that can support all the licensed carrier bands,

and in the case that any wireless carriers have additional requirements, Boingo will work with the carriers' RF teams to ensure the system meets any specific requirements they may have.

2. What are your preferred manufacturers or systems, and what factors, such as space, power, performance, feature set, and expandability, influence your selection process?

Boingo is technology agnostic but leverages carrier approved OEM's such as SOLiD, JMA, Corning, and CommScope. Our preferred solution for BUR is SOLiD, which enables a modular approach and focuses on avoiding future replacement costs, ensuring the system is designed for scalability and expansion into future bands cost-effectively without requiring an overhaul. Additional features and benefits include:

- Multiple power options allow cost-effective deployment to meet the RSRP KPI without wasting power or negatively impacting SNR. SOLiD Alliance has a power class for any problem between Fiber to the Edge low-power, 2W, 5W, and 20W options. All these options can coexist within the same sector without conflict.
- Fiber efficiency provides an easier path to full spectrum deployments with the existing fiber infrastructure while giving room for future growth or failover support
- The modular design of the remote optic units provides a low-impact maintenance action in the rare instance of an amplifier failure (<1%). If a failure occurs, the amplifier is swapped with a new module. This drives down the total cost of ownership through reductions in downtime and maintenance actions.
- Analog transport.
- Low latency – reduces BTS hotel locations.
- Maximum bandwidth reduces the number of remotes and fiber strands.
- Fiber Efficiency leveraging a single strand of fiber per remote.
- Three fiber strands total for a full spectrum MIMO deployment.
- UL Type 4X enclosures for challenging environments.
- C-Band Superiority: If DoD is deployed, SOLiD can support MIMO in the same remote.
- Sync Superiority enabled by a Sync Detection Module, (SDM) located at each remote, eliminating a single point of failure.
- Low total cost of ownership, with Green Mode capabilities that further reduce power consumption by up to 15%.
- Green Mode may be scheduled for regular hours of low traffic or whenever the amplifiers operate below a threshold you set
- Energy efficiency during periods of reduced traffic.
- A Three-Year Standard Warranty with next-day advanced replacement for the entire duration

3. Q: How do you approach designing and building DAS infrastructure, specifically in an airport environment? Please include in your response what lessons or best practices you have taken from other airports or major facilities that would benefit the Authority.

Boingo considers the following criteria when designing and building a DAS infrastructure in an airport environment.

- **Space optimization.** Given limited airport real estate and leasing considerations, Boingo's DAS design prioritizes a minimal footprint with strategic remote placement, minimizing disruption to existing operations and maximizing space efficiency.
- **Aesthetic integration.** In alignment with BUR's expansion and modernization, Boingo leverages discreet and aesthetically sensitive solutions, seamlessly blending with the architecture and avoiding bulky or visually intrusive equipment.

- **Flexible and robust platform.** As tarmac coverage is usually needed, Boingo uses a range of power classes and environmental settings, such as NEMA4. Boingo's DAS solution is adaptable and considers diverse coverage needs, from parking garage to tarmac, while remaining scalable and future-proofed for evolving technologies and bandwidth demands.

4. Q: How do you future-proof your solution (e.g., advances in 5G, new spectrum, Carrier requirements evolution, or beyond)? How will your solution support the Burbank-Glendale-Pasadena Airport Authority ("Authority") goals of supplying the "best 5G airport coverage and capacity"? Please provide a typical high-band network design that would support all Carriers.

We will design a secure, modular, open 5G DAS architecture that is forward-looking and agnostic to technology and/or frequencies. To integrate newer technologies like 6G, we will work closely with the carrier, OEM, and BUR to develop roadmaps that plan for future technologies throughout the design process as the FCC releases new spectrum and the industry adopts them.

Most notable for the Authority is the DAS platform modular approach. Leveraging SOLiD DAS equipment, this modular, scalable design enables expansion into future band/technologies without having to overhaul the system.

As seen with our previous expansion experience at Portland International Airport and [Newark Liberty International Airport's new Terminal A](#), our solutions are designed to seamlessly accommodate future growth and is upgradeable to meet the evolving needs of both the Authority and its passengers, including a converged DAS and Wi-Fi solution with monetization.

5. Q: Explain how you accommodate the following situations during the period of your operational engagement: System growth (coverage, capacity, and geography/space) Carrier growth (adding new carriers) Changes in Carrier requirements

System Growth

Boingo's networks are built to be expandable, making it seamless to deliver multiple RF sources to new areas via a single remote unit.

Carrier Growth

The proposed DAS is signal-source and technology agnostic, meaning the carrier's signal can be received via dedicated on-premises radios, over-the-air repeaters, and small cells. Should another carrier wish to utilize a common public radio interface (CPRI) module, our solution can also support that interface. Boingo's success and track record with securing carriers on neutral-host DAS networks at major airports is unrivaled among our peer group, as evidenced by our 100% success rate securing full carrier participation at similarly sized airports such as John Wayne International Airport (SNA), Kahului Airport (OGG), and General Mitchell International Airport (MKE).

Changes in Carrier Requirements

Boingo thoroughly analyzes the existing carrier signal and quality levels during the design process. This data will become a primary design input, enabling Boingo to customize the neutral host design to meet every carrier's current and future needs. Boingo's sales, engineering, and project management teams will work with wireless carriers to fulfill their network expansion and upgrade plans as changes occur. These teams are focused solely on carrier satisfaction and performance indicators to ensure maximum participation and investment.

7. Q: How do you monitor coverage, capacity, and system performance over time, including methodologies for testing, optimization, and ongoing maintenance of the CDAS? Additionally, how do you benchmark coverage and capacity to validate system performance over time?

Monitoring Coverage, Capacity, and System Performance

Boingo supports 24/7/365 operations and management oversight utilizing industry-standard monitoring and ticketing systems through a centralized NOC. Our NOC is staffed around the clock as our nerve center for all aggregated systems operations. The infrastructure is managed by various tools to ensure continuous network monitoring.

Our tools enable real-time network uptime visibility for each carrier. All outages, defects, degradations, and threats these tools detect surface an alarm. Alarms are aggregated into a single event management interface and processed in Boingo’s event management workflow. The event management workflow includes verification, qualification, impact assessment, severity assignment, classification, communication, triage, diagnostics, escalation, and fix agent engagement and dispatch.

Our proactive approach to network monitoring reduces restoration times and ensures the strictest SLAs are upheld. We track event status and resolution in a ticketing system with update and escalation schedules appropriate to the severity and associated SLA. Please see Section 5: Proposed Approach for more details on our NOC monitoring capabilities.

Testing Methodology

Boingo will provide BUR with ongoing service post-installation, including maintenance, active monitoring, system restoration, upgrades, and enhancements to support the latest carrier technologies and carrier access to the neutral-host DAS. Additionally, Boingo is committed to providing quality networks for our partners. As part of this commitment, we conduct comprehensive interference testing and analysis to protect Public Safety frequencies used by operational personnel, concession staff, and security from interference. When a commercial carrier proposes collocating its wireless system in the same structure as a Public Safety system, several interference scenarios exist to evaluate. To determine if interference is anticipated, Boingo will conduct an Intermodulation Analysis. This study will assess the following sources of interference:

- Transmitter Noise; Receiver Desensitization.
- Transmitter Inter-modulation; Receiver Inter-modulation.
- Transmitter Spurious Radiation; Receiver Spurious Radiation.
- Co-Channel Interference; Adjacent-Channel Interference.

Benchmarking Coverage and Capacity

As a part of our agreement to provide wireless services at the BUR, we will draft service plan requirements that meet the Authority’s requirements and cover service tiers, network KPIs, and user experience requirements, indirectly driving the quality program requirements. Typical quality requirements cover the following:

QUALITY ASSURANCE	
Item	Description



Post-Installation Checklist	Once DAS installation is completed, our Quality Assurance (QA) and Operations teams conduct a comprehensive walk-through and venue test, including headend, to validate the network installation.
Network Coverage	- The QA team verifies coverage areas defined in the scope of work to ensure our networks provide adequate coverage and comply with venue and carrier service level agreements (SLAs). - Our QA and Operations teams conduct site surveys using specialized tools to validate that all covered areas have adequate coverage for wireless networks.
Network Quality	- With multiple carriers participating on the network, we maintain quality assurance test plans to ensure that everyone gets the experience they are expected to achieve. - Our QA team measures KPIs for DAS networks, including the call quality (mobile originated, mobile terminated, call handoff), signal strength (RSSI/RSRP), and quality (SRQ/RSRP SNR, CINR/SINR), upload/download speed, latency, and other user experience (UE) metrics.
Service Availability & Monitoring	- The QA team works closely with our NOC to certify Boingo services are available 24x7x365 and are monitored according to agreed-upon SLAs (service level agreements). - Our QA and NOC teams use data generated through our systems (log files) and production systems (traps/alerts) to affirm that all areas within our networks perform optimally and are available for end users. - Our QA team uses various state-of-the-art tools, such as RF scanners, UE devices, iBwave collection surveys, and Spirent load test generation tools, to measure different network/RF characteristics. In addition, the QA team has developed in-house and commercial automation tools (i.e., SILK, Selenium, Epitiro, Visualware, etc.) to automate test execution and monitor venue networks for better network management and response. Lastly, the team centralizes the data and coordinates with the NOC and DAS Operations to triage and resolve any network incidents as quickly as possible.

7. Q: How do you ensure interoperability with different carrier networks?

Boingo maintains master agreements with all major carriers and will work closely with each carrier to seamlessly onboard the new DAS solution. Our carrier partnerships are so robust that Boingo has built sales, engineering, and project management teams dedicated to working with wireless carriers to fulfill their network expansion and upgrade plans. These teams are focused solely on carrier satisfaction and performance indicators to ensure maximum participation and

investment. Boingo has successfully onboarded all three major cellular carriers at similar-sized airports.

To ensure interoperability with different carrier networks, Boingo will conduct post-installation testing once the installation is complete to ensure carriers' signals are transmitted on the DAS. These test reports include the following information at a minimum. Boingo can provide additional information that might aid in design efforts or enhance carrier performance at BUR, such as:

- Descriptions of the Airport, walk routes, equipment for testing, and basic test equipment set-up.
- A list of best servers identified at BUR.
- Histograms showing several data points for each range (cumulative distribution function or CDF plots).
- Color-coded plots (see below) showing the relevant measurements overlaid on the floorplans in PDF format. The percentage of data points collected for each range shall be displayed in the legend.

RSSI/RSRP/RSCP		EC/IO AND RSRQ	
	[Min, -105]		[Min, -16]
	[-105, -95]		[-16, -14]
	[-95, -85]		[-14, -10]
	[-85, -75]		[-10, -7]
	[-75, -65]		[-7, Max]
	[-65, 0]		

- A table summary by technology and carrier showing minimum and maximum signal levels and approximate percent of the area covered based on data points collected meeting minimum threshold values. The minimum threshold values are "Fair," as the summary table below defines.
- Summary of findings for each Zone or Floor based on the metrics below with at least 75% of the data points within the ranges shown.

ZONE	EXCELLENT	GOOD	FAIR	POOR
Signal Levels – LTE RSRP	>-85 dBm	-85 to -95 dBm	-96 to -100 dBm	
Quality Levels – LTE RSRQ	>-10 dB	-10 to -14 dB	-14 to -16 dB	
Signal Levels – UMTS RSCP	>-75 dBm	-76 to -85 dBm	-86 to -95 dBm	
Quality Levels – UMTS Ec/Io	>-10 dB	-10 to -14 dB	-14 to -16 dB	
Signal Levels – CDMA/EVDO RSSI	>-75 dBm	-76 to -85 dBm	-86 to -95 dBm	
Quality Levels – CDMA/EVDO Ec/Io	>-10 dB	-10 to -14 dB	-14 to -16 dB	

- Recommendations for turning down or adjusting coverage from the macro cell network to best support the DAS.
- CSV files for all data collected for import into design software during the design process.

8. Q: Explain your company's most innovative DAS implementations that enhanced customer service and experience. Further, explain how the DAS directly contributed to this outcome and how you and/or your partner measured the impact.

Boingo has consistently driven innovation in DAS implementations, focusing on enhancing customer experience through strategic partnerships with carriers and leveraging our pioneering history. We've developed a unique approach that has enabled us to address evolving connectivity challenges and deliver high-quality service.

Boingo Delivers High-Speed Cellular Connectivity for PATCO Rapid Transit

The Port Authority Transit Corporation (PATCO), a vital regional connector serving more than 5.5 million riders annually between Philadelphia and Camden County in New Jersey, struggled with cellular dead zones in its underground stations. These connectivity gaps significantly hindered the passenger experience, preventing commuters from making phone calls, sending text messages, checking emails, streaming content, and utilizing mobile applications. The lack of reliable connectivity was a major frustration for PATCO's riders, impacting on their ability to remain connected during their commute.

Boingo's Innovative Solution

We deployed a state-of-the-art, neutral host distributed antenna system (DAS) across six PATCO's underground stations. This implementation was more than a simple network upgrade; it was a strategic and innovative solution designed to deliver unparalleled connectivity. The multi-carrier DAS allows riders access to 5G cellular connectivity from T-Mobile, complementing Verizon coverage.

How Boingo's DAS Directly Contributed to an Enhanced Experience

The deployment of Boingo's DAS directly addressed the challenge of cellular dead zones, dramatically enhancing customer experience in several ways:

- **Seamless Connectivity:** Riders experience continuous, high-speed 5G cellular coverage underground. This has eliminated the frustration of dropped calls, failed messages, and interrupted data usage, making their commutes more enjoyable, safer, and productive.
- **Improved Productivity and Communication:** With reliable connectivity, commuters can effortlessly check emails, participate in virtual meetings, access important information, and stay connected with friends and family during their travels.
- **Enhanced Use of Digital Services:** Passengers can now use their mobile devices to access real-time transit information, purchase tickets, and use other digital services without interruption. This gives them more control over their commute and streamlines their overall transit experience.
- **Future-Proofed Infrastructure:** The advanced, neutral-host DAS infrastructure is designed to accommodate future technological advancements, ensuring that PATCO's network remains robust and reliable for years to come.

Measuring the Impact

The impact of the DAS implementation was measured through:

- **Increased Customer Satisfaction:** By addressing the connectivity challenge head-on, PATCO can expect improved ridership satisfaction ratings due to the enhanced ability to stay connected and productive during their commute.
- **Carrier Participation:** The multi-carrier DAS has led to greater adoption by mobile network providers, who are invested in offering their services in key locations such as transit hubs. This demonstrates the effectiveness of Boingo's neutral host solution in appealing to multiple carriers simultaneously.
- **Operational Efficiency:** The seamless nature of the network allows data to travel across all platforms easily, aiding the daily operations of all facets of the transit system. This

efficient digital infrastructure ensures that PATCO remains reliable, modern, and forward-thinking.

By deploying a state-of-the-art neutral host DAS, Boingo not only solved the immediate problem of cellular dead zones but also transformed the commuting experience for PATCO riders. This implementation exemplifies how strategic, innovative DAS solutions can significantly enhance customer service and experience in public transportation.

A: OPERATIONS

1. Q: Please provide a detailed communication plan for interacting with the Authority. How do you plan on monitoring the DAS and communicating with the Authority? Provide sample(s) of system performance reports.

All communication regarding report summaries, account-related inquiries, and more will go through the Authority's dedicated Boingo Account Manager, Jason Eley. In addition to the agreed-upon cadence of check-ins between the Authority and their dedicated Account Manager, the Authority can contact Jason for any ad-hoc meetings or to relay information to the relevant department within Boingo as needed, acting as the liaison between BUR and Boingo and facilitating the efficient flow of information. Please see below for a communication plan outline that can be tailored to the needs of the Authority.

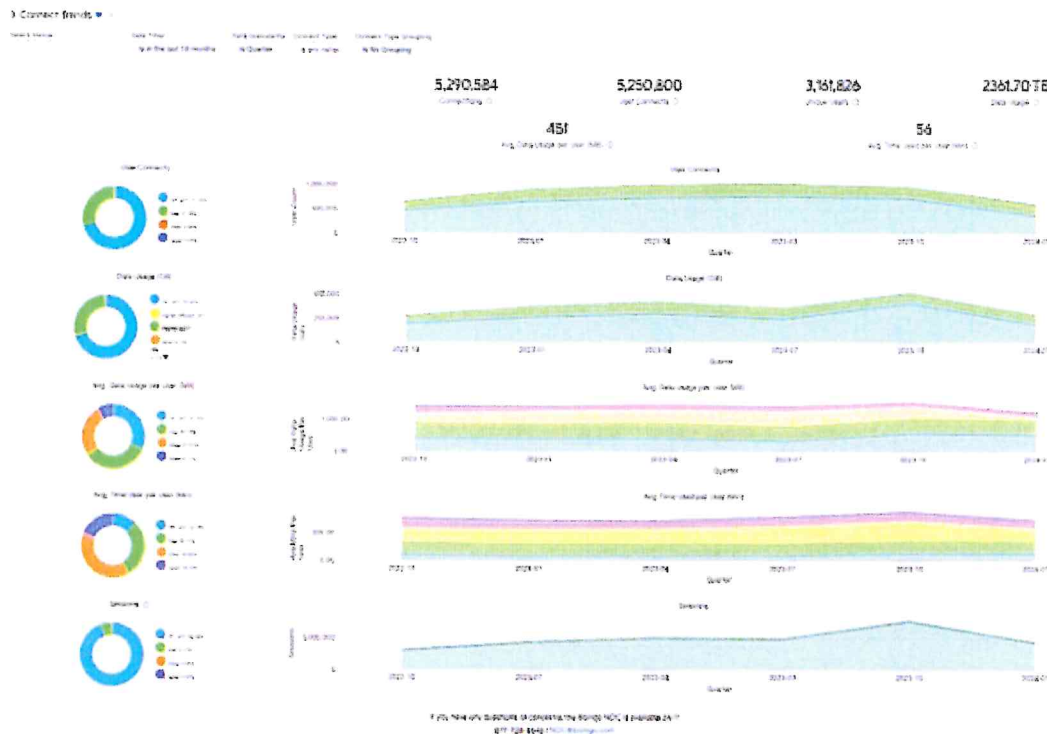
COMMUNICATION PLAN

ITEM	DESCRIPTION
Program Kickoff	• Identification of all stakeholders from each party. • Kickoff meeting with Boingo, Airport representatives, and stakeholders. Agenda includes introductions, alignment on goals, milestone schedule, communication cadence, escalation paths, risks, RACI Matrix, and next steps. • Contingency planning.
Near Term Modifications	• Baseline current network and document a plan for future modifications. • Participate in stakeholder meetings and seek appropriate approvals. • Review and evaluate options for Passpoint services and associated revenue potential. • Document all agreed-upon network modifications and upgrades, create appropriate Change Control tickets, and track them through Change Management SOP. • Support a communication plan as directed by the Airport and update all passenger-facing touchpoints.
Ongoing Communications and Coordination	• Create a detailed 3-week look-ahead plan and meeting cadence with the project team to track all agreed-upon actions, tasks, and milestones. • Agree on document control and future repository.
Close Out	• Quality Assurance Site Walk. • Close Out of cut-over deliverables. • Track and certify.

System Performance Reports Samples

Reports samples include, but not limited to:

- Total Unique Users
- User Connects Source (Passpoint, Free, Retail, etc.)
- Total Data Usage (GB)
- Avg. Data Usage per User (MB)
- Avg. Time per User (Min)
- Sessions
- Customizable time period, granularity



2. Q: Articulate your expectations of the Authority in making the operations successful from your perspective. For example, what access (physical and remote), points of contact, etc. do you require?

Boingo has detailed the Authority's expectations below to ensure successful operations and project completion.

Negotiation Period

- Authority to assign point of contact(s), including legal resources to finalize Concession Agreement amongst the parties.

Pre-Concession Period

- Integrate Boingo with RPT Design Builder and RPT Program manager.

Concession Period

- Provide a point of contact(s) with which the Boingo team would regularly communicate for day-to-day operations, escalations, and approvals.
- Attend Planning Meetings every 6 months to discuss network performance, and strategy (revenue and technology).
- At its own discretion, share any upcoming modifications, improvements, renovations, or expansions with Boingo for planning purposes.
- Attend Annual Boingo Training on DAS and Wi-Fi networks. (Training content and timing will be developed with Authority input)
- Attend Annual Technology Review with Boingo team to review specifications and performance of the network of previous year. Boingo will also provide state of the market, inclusive of any upcoming changes or evolutions in technology and any associated upgrades to existing network.

Construction, Operations, and Maintenance Period

- Complete inspections and provide approvals.
- Provide drawings and floor plans as needed.
- As we integrate a new circuit, assist with shutting down equipment such as water and shutdown power when needed.
- Coordination with the schedule reporting.
- Coordinate construction between different companies. Liaise between Boingo and other companies that are completing work in the area.
- Coordinate access for fieldwork, gain approval to access or work in an area, and shut down airport systems, such as the escalator.
- Approve requests from Boingo for access to BUR's facilities as needed.

3. Q: How do you plan to achieve a 99.9% uptime?

Boingo is pleased to affirm our unwavering commitment to meeting or surpassing industry-standard SLAs at BUR. We guarantee a 99.9% service availability for our DAS and Wi-Fi networks through our 24/7/365 NOC support team. All outages, defects, degradations, and threats these tools detect surface an alarm. Alarms are aggregated into a single event management interface and processed in Boingo's event management workflow. The event management workflow includes verification/qualification, impact assessment, severity assignment, classification, communication, triage/diagnostics, escalation, and fix agent engagement and dispatch. Boingo's SLA agreement guarantees 99.9% availability of core systems, except during outages caused by circumstances outside Boingo's control, including acts of nature, site power outages, third-party circuit outages, etc. Please see Questions 4 and 5 which further details Boingo's NOC capabilities, SLAs, Escalation Matrix, and Notification Types.

4. Q: Do you have a 24/7/365 network operations center where you actively monitor DAS? If yes, describe its capabilities and characteristics.

Yes. Boingo possesses an in-house Network Operations Center to proactively monitor DAS and other networks. Boingo's NOC is strategically located across our Los Angeles, CA and Frisco, TX offices. Our dedicated team specializes in turnkey solutions that monitor, manage, and maintain the network in real-time using industry-standard systems.

Boingo supports 24/7/365 operations and management oversight utilizing industry standard monitoring and ticketing systems through a centralized NOC. Our NOC is staffed around the clock to serve as our nerve center for all aggregated systems operations. The infrastructure is managed by a variety of tools to ensure continuous monitoring of the Wi-Fi network. The Boingo NOC is equipped with the most comprehensive set of commercial and in-house tools available today to verify device status and service quality from the customer to the Internet or cellular network.

Our tools enable real-time control and visibility of all the systems that provide the service to the customer. Not only can these tools provide a view of the status of the network and the function of the devices, but they also provide a wide range of data which can be collected, warehoused, and indexed, allowing for periodic—weekly/monthly/annual—and ad hoc reviews of system performance and SLA adherence. These reports can be catered to the individual needs of the Authority.

All outages, defects, degradations, and threats detected by these tools surface an alarm. Alarms are aggregated into a single event management interface and processed in Boingo's event management workflow. The event management workflow includes verification/qualification, impact assessment, severity assignment, classification, communication, triage/diagnostics, escalation, and fix agent engagement and dispatch.

5. Q: Describe your high-level incident management process for assessing the criticality of an issue and responding to a degradation of service. How do you determine when to mobilize staff to the facility?

Our proactive approach to network monitoring reduces restoration times and ensures the strictest SLAs are upheld. The more traditional approach to assessing network performance only captures one dimension of the network's overall performance at the base transceiver station (BTS) level or across many BTS aggregated at the switch – this misses the immediate, real-time analysis of the conditions that create these issues.

Event status and resolution are tracked in a ticketing system, with update and escalation schedules appropriate to the severity and associated SLA. The NOC sends event notifications via email during high-impact, critical service-impacting events. Below is an example severity matrix that can be tailored to the Airport's needs.

Below is an example severity matrix, which can be personalized according to BUR's needs.

SLA - SEVERITY MATRIX		
Severity	Impact	SLA*
Priority 1	70-100% service outage	Notify: 20 Mins
		Resolve: 4 Hrs
Priority 2	30-69% service outage or severe degradation	Notify: 20 Mins
		Resolve: 6 Hrs
Priority 3	5-29% service outage or minor degradation	Notify: 1 Hr
		Resolve: 24 Hrs
Priority 4	<5% service outage and non-service-impacting alerts	Notify: 1 Hr
		Resolve: 3 Days

*Calculated as the meantime over one calendar month.

Mobilizing Staff for BUR

Boingo’s NOC is strategically located across our Los Angeles and Frisco offices. Our dedicated team specializes in turnkey solutions that monitor, manage, and maintain the network in real-time using industry-standard systems. The Escalation Matrix and Notification Types table below details Boingo's process of mobilizing staff members to support incidents at BUR.

NOC ESCALATION MATRIX		
Tier 1 – Network Operations Support (NOC)	Boingo NOC	noc@boingo.com 877-726-4646 Hours: 24/7
Tier 2 – Sr. Manager, NOC	Randy Moore	rmoore@boingo.com (310) 405-8520 Hours: 24/7
Tier 3 – VP, Network Operations	Steve Moller	smoller@boingo.com (310) 309-5903 Hours: 24/7

NETWORK OPERATIONS CENTER (NOC) NOTIFICATION TYPES	
TYPE	DESCRIPTION
Initial Notification	Announces the event with preliminary details of service impact.
Update Notification	Provides milestone information regarding the event and Estimated Time to Resolution (ETR).
Final Notification	Provides resolution information and event stop time.

6. Q: Explain the approach for managing recurring and chronic incidents.

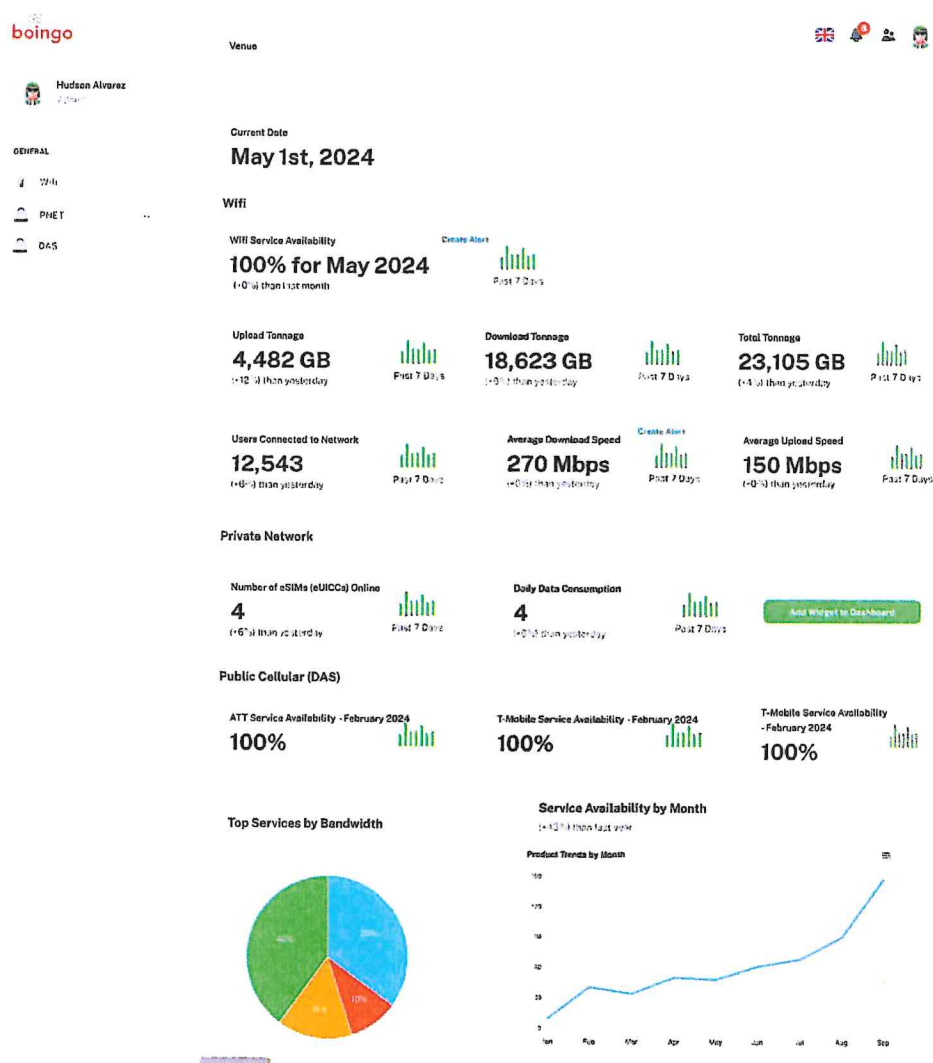
Boingo proactively addresses recurring and chronic incidents to ensure optimal network performance. We leverage a multi-faceted approach when faced with challenges like intermittent interference or initial component issues from manufacturers. In instances of difficult PIM or other interference, Boingo collaborates closely with both our in-house Performance team and our extensive network of performance-specialized partners, as well as local and national carrier engineers. This collaborative effort allows us to identify and resolve the source of the interference efficiently. For persistent technology issues, Boingo works directly with manufacturers to expedite part replacements, often securing overnight delivery. Our dedicated onsite technicians then work around the clock to replace the components as they arrive. In rare, more challenging situations, we may even pivot to an alternative technology model. Throughout this process, our primary focus is on minimizing any impact to our subscribers and venue partners while swiftly restoring optimal performance. We have successfully implemented this approach with various challenges, including those related to antennas and fiber cards, ensuring a reliable and seamless connectivity experience.

7. Q: Share an example of a system performance report you provide to a customer. This can be redacted to prevent disclosure of sensitive information.



Boingo's NextGen dashboard – Converged Network View snapshot below offers a detailed overview of Wi-Fi and Public Cellular DAS. It showcases key performance indicators such as Wi-Fi service availability, essential for passengers and operations.

The data includes upload and download volumes, expressed in gigabytes, providing insights into the amount of data transferred within the network and indicating usage patterns. The number of users connected to the network is also tracked, offering a direct measure of demand and network load.

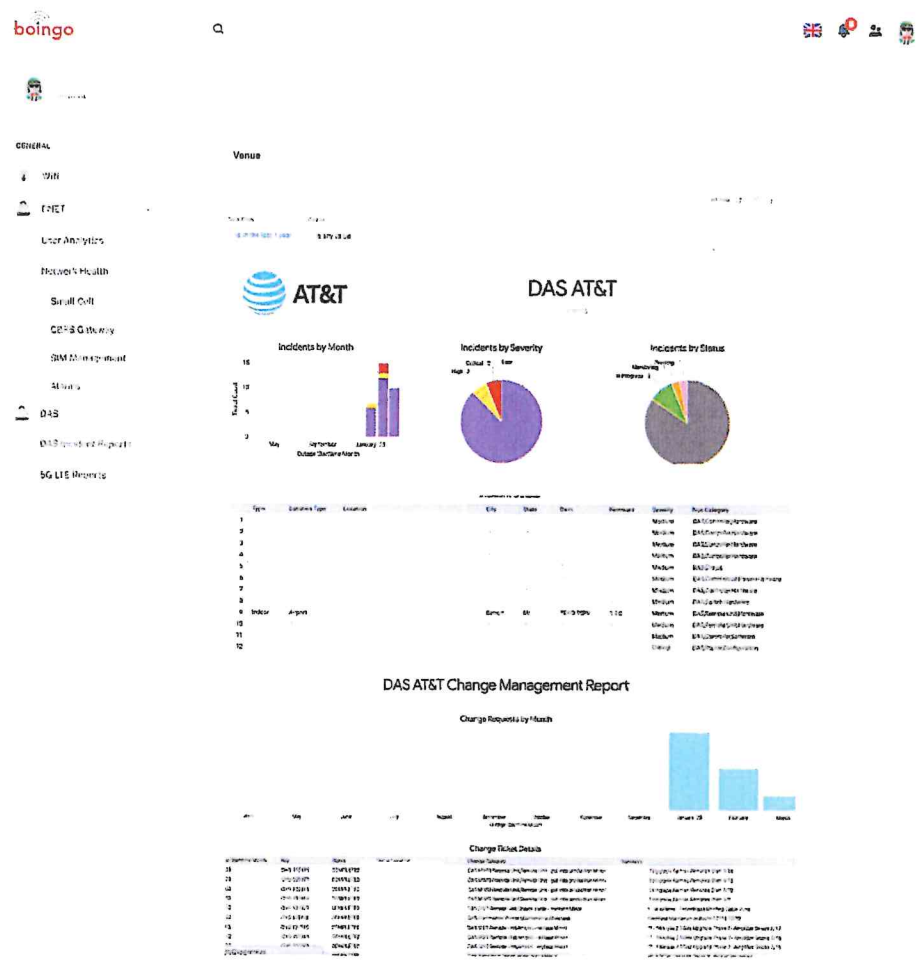


Furthermore, the dashboard displays average download and upload speeds in megabits per second (Mbps), crucial for assessing the quality of service delivered to users. Breakdowns of private network usage, such as the number of SIMs online and daily data consumption, offer a look into specific network segments and user engagement. Public cellular (DAS) service availability from providers like AT&T, T-Mobile, and Verizon is reported reflecting the network reliability for mobile users at the airport. The 'Top Services by Bandwidth' pie chart provides a distribution of network usage across different services, allowing for the identification of the most data-intensive applications.

Lastly, the 'Service Availability by Month' graph tracks the percentage of service availability over time, indicating the network's consistency and helping to identify long-term trends or seasonal fluctuations. This comprehensive set of data enables network administrators to manage resources efficiently, ensure a high quality of service, and plan for future network improvements.

DAS Incident Dashboard

Please see below for an example of our DAS incident dashboard, which can be customized to the Authority's needs.



DAS Incident Report

Below is an example of an incident report that can be accessed from the Incident Report Dashboard:





8. Q: Do you have live systems or portals, where the Authority can log in and view performance, tickets, and response times?

Yes, Boingo leverages Looker, an external facing portal which the Authority can log in and view performance KPIs like uptime percentages, live incident tickets, and tracking.

9. Q: How will you manage a situation where one carrier seeks a different arrangement or technical solution compared to the other carriers, especially if these changes are proposed during the mid-lifecycle of the DAS?

Balancing the varying technical, financial, and strategic needs of our carrier clients while protecting the needs of our venues is at the core of our business. When one carrier seeks a different arrangement or technical solution compared to the others, we leverage our deep understanding of each carrier's individual requirements and integrate those needs early in the neutral design phase of the project. We strive to ensure that our designs accommodate the performance requirements of each carrier, can scale as new frequencies, and adapts to technology upgrades while remaining cost-effective to encourage carrier investment.

While our initial designs aim to anticipate diverse needs, if a carrier requests an alternative solution later, Boingo conducts a thorough evaluation of the technical and financial implications for both us and the Authority. We then present these findings to the Authority for their review and decision. If the alternative solution emerges during the middle of the concession lifecycle and requires an upgrade, Boingo presents the proposal to the Authority. If all parties deem it beneficial, a separate agreement, as outlined in the RFP, can be established to accommodate the changes.

10. How do you plan to collaborate with the Authority to justify and enable a carrier's request for an independent arrangement or solution, and what potential commercial implications do you anticipate?

Boingo's priority is to provide optimal cellular connectivity at BUR through a neutral-host cellular DAS solution, ensuring seamless service for both staff and travelers, regardless of their mobile carrier. To that end, we are committed to working with all carriers to operate on this proposed system.

While we expect the DAS solution to be implemented as planned, Boingo would thoroughly assess the technical and financial impact of any alternative a carrier proposes. We would then present this information to the Authority for their consideration. Some potential commercial implications of alternative arrangements could include:

- Degraded network performance/ passenger experience for certain carriers.
- Amendment to Concession Agreement.
- Loss of revenue.
- Impact on space, power usage, operations, aesthetics.

11. Q: If there is a misalignment in contract terms, carrier technology life cycle, or DAS technology life cycle, how do you handle, manage, or mitigate potentially diverging interests?

At Boingo, we proactively manage potential conflicts of interest among carriers through a multi-faceted approach. Each carrier's master lease agreement (MLAs) contains clauses that prevent interference between individual carrier networks. We also leverage our expertise in deploying multiple technologies, like cellular DAS and Wi-Fi, to offer solutions that accommodate diverse carrier needs. Our team prioritizes collaborative problem-solving, striving to find mutually beneficial outcomes for all parties involved, including the venue. In the rare instances where diverging interests arise, we conduct a comprehensive analysis to identify the most effective solution that balances carrier requirements, venue constraints (space, power), and overall performance. An example of this is at ORD where we convinced AT&T to join the neutral host DAS solution instead of deploying a standalone RDOT to give equal opportunity across the venue.

12. How do you balance the need to minimize disruptions caused by activities like construction projects with the imperative to maintain and improve technological capabilities, ensuring continued functionality at Hollywood Burbank Airport (BUR)?

Boingo has a proven track record of successfully navigating complex, 24/7 environments like airports. Our expertise lies in minimizing disruptions caused by changes like construction while still ensuring seamless and continuous wireless connectivity. Specifically, we are skilled at:

- **Responding swiftly to unexpected challenges.** We're used to quickly finding solutions when renovations impact existing infrastructure, such as when antennas or equipment are moved or disconnected, or when cables need to be rerouted.
- **Maintaining consistent coverage.** We proactively adapt to such changes by adjusting existing antennas, expanding networks, deploying temporary equipment, and closely coordinating with carriers. This ensures uninterrupted service for both passengers and staff.

Therefore, when balancing the need to minimize construction-related disruptions with the need to maintain and improve technological capabilities at BUR, we have prepared the risk management plan below:

RISK MANAGEMENT PLAN	
RISK	MITIGATION
Equipment Delays	We will identify any long-lead time or at-risk equipment in the project planning phases and leverage our suppliers' warehousing and/or other professional services (e.g., staging, configuration) to ensure minimal delays or impact on project costs.
Engineering Review & Design Approval	If 30% of the designs are not approved, another 30-45 days may need to be added to the schedule. An AE firm will provide Plan B and C designs.
Terminal / Apron Access	Access to areas within Terminals and Apron, when needed, may become a challenge due to tenants/stakeholders' requirements and will require careful coordination.
Construction Schedule Delays	Depending on the source of delay, Boingo and construction partners will pivot quickly to add staff, extend work hours, or run tasks simultaneously to work towards staying on schedule.
Data Highway Infrastructure Upgrades	A thorough survey is conducted to identify congested cable racks, fiber troughs, and conduits potentially needing mitigation. Boingo will work with BUR to develop a solution.
Equipment Staging and Storage	Boingo will require a secure staging area to receive inventory and store equipment, tools, and materials. A staging area at each location would be preferred to optimize logistics and work schedule.
Technology Aesthetic Concerns	Should there be any aesthetic concerns related to wireless network infrastructure placement, Boingo will collaborate with architects, terminal operators, and BUR stakeholders to develop stealthing strategies to mitigate problems.

A: CARRIERS & AIRPORT CUSTOMER SERVICE

1. Q: How do you foster collaboration with carriers to establish and maintain positive working relationships?

Boingo has dedicated sales, engineering, and project management teams working with wireless carriers to fulfill their network expansion and upgrade plans. These teams are hyper-focused on carrier satisfaction and performance indicators that provide maximum participation and investment. Each team will be responsible for the following elements of Hollywood Burbank Airport (BUR)'s carrier marketing plan:

TEAM	RESPONSIBILITIES
Carrier Sales	Work directly with wireless operators nationally and locally to verify Boingo's existing and planned projects are included in their capital budgeting process.

	• Perform a thorough analysis using benchmark data and propagation maps at the properties so carriers can see what service their customers (and competitors) can expect. • Facilitate dialogue with carriers to map out a smooth design, build, and launch. • Create proposals and negotiate contracts with carriers.
Carrier Engineering	• Work closely with carrier counterparts to design and build a network consistent with identified specifications. • Combine the requirements of all carriers into a single, neutral design to accommodate the specifications of all carriers. • Redistribute the design to all carriers for review and approval. • Review all requests for consideration and modify the design until all carriers are satisfied and approve a final design.
Carrier Project Management	• Oversee the construction of the system, including working with carriers on all “punch-list” items including testing, optimization (jointly with engineering), final acceptance and launch.

2. Q: How have you utilized your carrier relationships to address challenges?

Boingo leverages its deep and long-standing relationships with major carriers to address challenges in a variety of ways:

- **Successful Carrier Participation:** Boingo's 100% success rate securing full carrier participation at various venues, including airports of similar size such as John Wayne International Airport, Kahului Airport, and General Mitchell International Airport, demonstrates our ability to navigate and satisfy the unique needs and requirements of each carrier. This strong track record provides confidence in our ability to secure full carrier participation for new projects.
- **Staying Ahead of Changing Technologies and Requirements:** Boingo's proactive approach to maintaining close contact with carriers, original equipment manufacturers (OEMs), and third-party contractors allows us to stay abreast of changing technologies, equipment capabilities, and evolving demands of carriers. This ensures we are positioned to address issues arising from changing expectations and competitive goals.
- **Direct Carrier Coordination:** We work directly with carriers on design approval, onboarding, RF integration, and optimal ongoing performance. Our dedicated sales, engineering, and project management teams focus on carrier satisfaction and key performance indicators (KPIs). These relationships ensure timely and efficient project delivery as well as prevent service disruptions.
- **Dedicated Account Teams and RF Engineering:** Boingo has dedicated account teams and RF Engineering teams who partner with major carriers to align coverage and capacity objectives. These teams have established relationships, experience, and unique knowledge to work at all levels within carrier organizations (national, regional, and local) to drive design objectives and achieve network performance goals.

In summary, Boingo's established carrier relationships, and dedicated approach allows us to effectively address challenges by ensuring seamless maintenance, and operations, and allowing them to identify best-in-class solutions for their clients by working with multiple carriers and their ever-changing requirements.

3. Q: Over the past five years, what has been the retention rate for the Respondent's current active clients?

Boingo takes pride in its outstanding track record. For the past five years, we have maintained an impressive 95% retention rate for our airport partners for whom we provide DAS, the highest retention rate in the industry. Our commitment to delivering exceptional service has resulted in continued partnerships with most of our airport partners. With only one airport opting out of renewal during this period, Boingo's high retention rate underscores the trust and satisfaction our venues place in Boingo.

Many of the airports under Boingo's operational umbrella have been elected to expand the scope of services that we provide them. These expansions stand as a testament to Boingo's ability to meet and exceed the evolving needs of airports. In the past two years, 17 of our venue partners have opted to renew their trust in Boingo, opting for an extension of term agreements, and 15 of our venue partners have chosen to expand the services that Boingo provides through new products and solutions, product upgrades, and additional coverage areas.

4. Q: Over the past five years, what has been the retention rate for the Respondent's current active employees?

The retention rate for Boingo's current active employees has been 82% over the past five years.

- 2024: 87.6%
- 2023: 88.3%
- 2022: 86.6%
- 2021: 62.1%
- 2020: 85.9%

5. How should the Authority measure your impact on the traveling public's customer satisfaction, and which metrics, measurements, rates, or scores should be considered?

Net Promoter Score (NPS) is a measure used to gauge customer loyalty, satisfaction, and enthusiasm with a company, calculated by asking customers one question: "On a scale from 0 to 10, how likely are you to recommend this product/company to a friend or colleague?" This survey can be provided to customers using the Wi-Fi at the airport.

6. How do you and your proposed solution increase travel public customer satisfaction for the Authority?

Beyond providing highly accessible Customer Care, Boingo views all customer contacts as an opportunity to gain insight into the qualities of the user experience. We analyze qualitative data to understand not only the functional elements of our experience, but also how customers perceive the experience. By establishing a customer feedback loop, we are able to continually optimize venue performance and attain industry-wide recognition for customer service – such as our 12 wins for "Best Wi-Fi Service" in *Global Traveler's* GT Tested Reader Survey Award.

By eliminating the need for app downloads, we ensure frictionless customer user experience, with the web portal serving as a revenue-generating tool for the Authority. Based on the SOW and goals, we propose a similar yet flexible structure that prioritizes the passenger experience, minimizing friction and providing a seamless connection process.

Additionally, Boingo maintains an agreement with a leading customer service provider to deliver our Tier 1 customer service. These Boingo-trained and certified customer service representatives are supported by our in-house Tier 2 Customer Service Center and NOC. They are also supported by our Field Engineers and our contracted break/fix personnel in individual locations around the world. Upon award of contract, we will review customer service procedures and desired training programs or event-based support models.

7. Can you provide details regarding your organization's customer service policy, along with evidence of its implementation?

Boingo's Tier 1 Support team is available 24/7/365 and is trained to answer consumer questions that may arise during the connection experience. Of all calls received, 80% were answered by a Technical Service Representative in three minutes or less. This includes technical issues with the ability to escalate to Tier 2 and Tier 3 NOC support.

The table below details the multiple channels that provide our customers with the support they need.

CUSTOMER CARE SUPPORT CHANNELS	
ITEM	DETAILS
Telephone Support	- Staffed 24/7/365 with agents specifically trained to support our systems. - All calls are logged and tracked to ensure issue resolution. - Escalated calls will be "warm transferred" to Tier 2. - Any trends that develop will be escalated to the Network Operations Center (NOC) following the Customer Care to NOC escalation process.
Modular Connection Portal Feedback Link	End users who get to the Modular Connection Portal can communicate with us if they are having issues and we will respond via either email or telephone.
Live Chat Support	- Boingo call center accepts multi-lingual Live Chat sessions initiated from the portal. - Support technicians are available to quickly resolve most user issues.
Email	Support emails are responded to in 24 hours or less
Social Media	Support is available to customers through social media channels including Facebook and Twitter. Posts are responded to in less than 15 minutes.

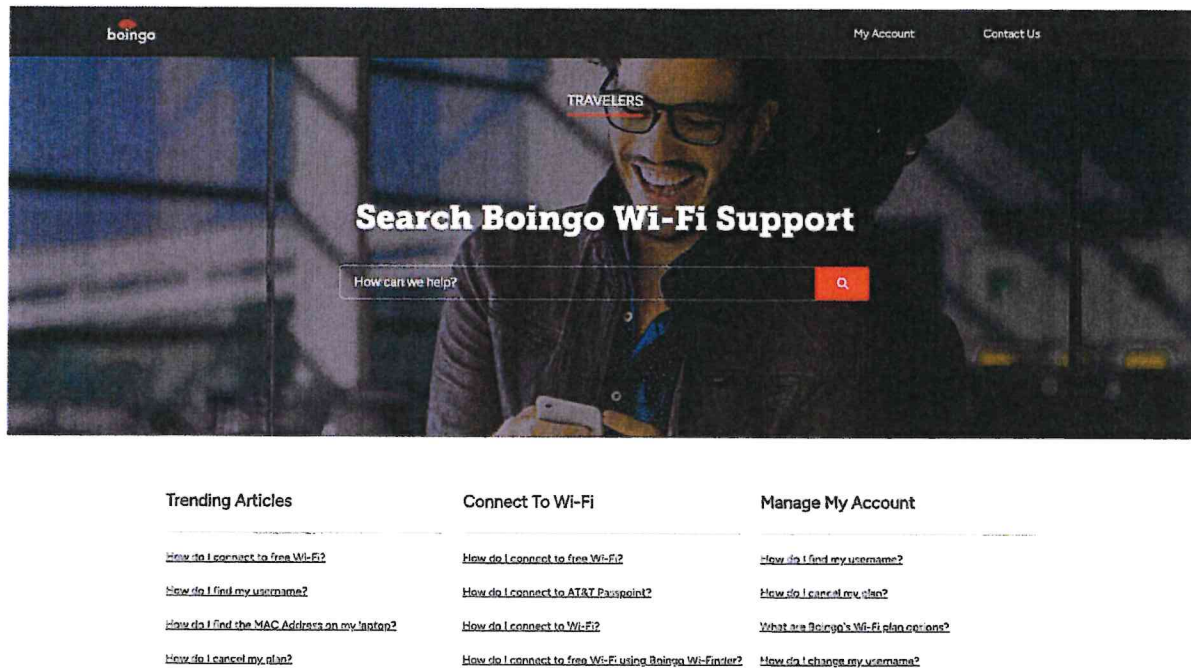
All Customer Care agents are required to complete a comprehensive training course that includes simulated customer calls and contacts. Agents are evaluated on several criteria and must achieve a satisfactory rating before taking live customer calls. Agents are routinely monitored during live calls and evaluated periodically to ensure they maintain the required performance standards.

Evidence of Boingo's Customer Care

Included below are examples of our interactions with passengers along with a web interface for passengers to leverage for help.



Additionally, BUR's landing page can include information on email and social media support, as well as a link to extensive FAQs and Terms and Conditions. Please see below for a screenshot of Boingo's Customer Support landing page, which can be modified to BUR's login portal.



Consumer Wi-Fi > Connect To Wi-Fi

How do I connect to free Wi-Fi?

At a location with free Wi-Fi? Sweet! Let's get you connected.

Option 1:

1. Set a wireless network to Boingo Hotspot or your location's "free Wi-Fi" signal
2. Launch a web browser on your device. If you are not directed to the Boingo login page, visit <http://www.wifilauncher.com/>
3. Under the free section, select "Watch an ad to Connect" (or similar) to begin your free session
4. Enjoy Wi-Fi bliss!

Option 2 (Webbased)

Accidentally select Cancel or "Keep Connected Without Internet"? We can help.

- Forget the Boingo networks. -or- Toggle the Auto-login to "Green/On" and turn Wi-Fi Off and back On.

Still confused? No problem. Here are some additional instructions to help.

- Select the "Boingo Hotspot" network from your Settings or Network Preference menu.
- Launch your Internet browser (ex. Safari, Chrome, Firefox). Note: If nothing happens, try going to a new website to prompt the Wi-Fi access page.
- The Wi-Fi access page should appear. Select "Get Online Now"

Related Articles

[How do I connect to free Wi-Fi using Boingo Wi-Finder?](#)

[How do I cancel my plan?](#)

[How do I connect to Wi-Fi?](#)

[How do I connect to AT&T Passport?](#)

[How do I find the Wireless MAC Address in Windows 10?](#)

8. How does your organization measure and document its performance in customer service?

Boingo measures customer service performance through our First Call Resolution, which is the number of calls where the issue was resolved and does not require additional contact with support out of total calls to customer care. Boingo documents this case data in Salesforce, where it is reported on for historical significance.

A: ADDITIONAL QUESTIONS

1. Q: How would you propose unique approaches to meet the requirements considering the constraints, timeframes, and potential future changes?

Constraints, timelines, and potential future changes are issues that Boingo is uniquely positioned to address. Our long-standing industry relationships with carriers, all original equipment manufacturers (OEM), and third-party contractors will enable seamless construction, maintenance, and operations phases, as well as identify best-in-class solutions for DAS growth, expansions, or new builds. We ensure we are up to date on all carrier requirements for key performance indicators (KPIs), as well as ever-evolving features and enhancements introduced by DAS OEMs.

Mitigating Constraints

As the leader of indoor/outdoor DAS solutions, Boingo can deliver the following during the installation and construction phase of the project.

- Top priority on equipment orders from ongoing relations with leading OEMs, which reduces global supply chain constraints.
- Upon award, ability to immediately forecast, order, store, and deliver equipment.
- Use of national network implementation vendors as well as ability to comply with and adapt to any builder schedule.

Meeting Timeframes

We are construction experts. Boingo's proven track record of completing projects on time, leveraging off-hours, weekends, and overtime, while complying with zero-injury policies and site safety, positions us to hit projected dates and milestones mutually agreed-upon between the Authority and Boingo. The proposed scope of services includes the following phases, described at a high level below. Note, an expanded project schedule with dates and milestones is further detailed in the **Implementation Plan**.

PHASE	BOINGO RESPONSIBILITY
Final Design Phase <i>2 weeks</i>	• Compile feedback from stakeholders as it relates to the design and constructability. • Complete pre-construction testing (if applicable). • Conduct design revisions (if applicable). • Complete 90% construction drawings (HE, OSP, Cabling). • Obtain the Authority's approval for the final RF design and 90% construction drawings. • Compile final cost revisions based on changes. • Deliver project plan and costs for final approval.
Installation & Construction Phase <i>2 – 3 weeks</i>	• Order long lead-time materials & issue critical POs. • Order NOC circuit and backhaul circuit(s). • Obtain all necessary permits and permissions. • Complete pre-construction meeting with the Authority's representatives. • Install all cabling, equipment, and components. • Manage day-to-day installation activities, identify risks and implement mitigation plans if needed. • Conduct regular project status meetings with the Authority's representatives.
Test, Accept and Launch Phase <i>2 weeks</i>	• Develop and execute high level test plan. • Develop and execute detailed test cases. • Develop recurring certification schedule/plans covering regression aspects. • Document bugs report/defects and related resolution. • Complete QA Report (QA Certification) used for "Go/No-Go." decision before venue is launched with Boingo services.
Operations & Maintenance Phase <i>Ongoing</i>	• Complete system management, operation, and support hand-off. • Provision equipment into NOC and monitoring systems. • 24x7x365 Remote Network Monitoring from Boingo NOC. • 24x7x365 Help Desk and Customer Support. • Ongoing-Network Operation and Maintenance. • On-going Field Services. • On-going Network Expansions. • Technology Refreshes (as applicable).

Additionally, Boingo commits to working closely with the Authority to ensure carrier signal on the new DAS solution to meet timeframe objectives for onboarding new carriers. To accomplish this,

our Carrier teams will help maximize carrier participation on the network, so staff and visitors of BUR experience the best coverage possible, starting Day 1.

Managing Potential Future Changes

Boingo is highly experienced in managing change in a large, complex, 24/7 environment, including airports, military bases, stadiums, and more. Changes are managed following the Change Management Policy listed on the table below. When the engineer begins work, the NOC is notified to start the ticket, and our Jira monitoring platform is utilized to monitor progress. When the engineer completes a change, the NOC validates the work completed in the monitoring platforms and makes any necessary changes to monitoring as defined in the change ticket.

CLASS	DEFINITION	EXAMPLE
Major Change	- Planned, high impact, with risk of or an inherent material impact to revenue, partners or customer experience. - High degree of preparation and coordination across 2 or more functional groups to implement. - High Potential for proactive customer or partner notification.	- PCI patching of Database servers requiring deadman period. - Power maintenance at a location requiring shutdown of services for several hours. - Major Billing and Revenue Management (BRM) upgrade. - DAS Controller upgrade.
Minor Change	- Planned, low impact, with little or no impact to revenue, partners or customer experience. - Some preparation. Generally implemented by release or network engineer. - Low Potential for proactive customer or partner notification.	- Venue throttle rate modifications. - IOS upgrade of switch. - Buyflow changes. - DAS Remote Unit Swap.
Emergency Change	Unplanned changes which are required to be implemented under an emergency situation in which there is a current or imminent material impact to revenue, partners or customer experience.	Disabling captive portal in a venue due to RADIUS issues.
Standard Change	- Planned, routine and repetitive tasks, having been classified as such by the Change Advisory Board (CAB). - NSA (Non-service Affecting) and has no potential of impacting services for Boingo Wireless customers. - No customer notification required.	- Cosmetic changes to captive portal environment or websites. - Venue sales offer change. - Inactive network interface config change.

2. Q: What alternative commercial models or structures, not outlined in this RFP, do you believe the Authority should consider, and what are the reasons for their relevance?

Boingo has designed a robust Wi-Fi 7 network to support additional revenue-generating opportunities at Hollywood Burbank Airport. As seen at other flagship airports in our portfolio, we have successfully delivered the following revenue-generating services. We would be happy to discuss this further with the Authority to understand how these solutions align with the Airport's long-term plan.

- **Tenant services.** As an overlay to the existing network, Boingo offers the ability to monetize the Wi-Fi network further and increase tenant and partner satisfaction with tenant service features such as dedicated capacity, quality of service, quality of experience, private and guest access, and unique SSIDs on the Wi-Fi or wired network.
- **Offload.** Boingo has a product called Passpoint that allows a wireless carrier's data traffic to be offloaded to a Boingo Wi-Fi network.

Exhibit I: Federal Requirements

For purposes of this Exhibit, references to “Contractor” shall be deemed to refer to Concessionaire.

1. General Civil Rights Provisions

A. In all its activities within the scope of its airport program, the Contractor agrees to comply with pertinent statutes, Executive Orders, and such rules as identified in Title VI List of Pertinent Nondiscrimination Acts and Authorities to ensure that no person shall, on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability be excluded from participating in any activity conducted with or benefiting from Federal assistance.

B. This provision is in addition to that required by Title VI of the Civil Rights Act of 1964.

C. If the Contractor transfers its obligation to another, the transferee is obligated in the same manner as the Contractor.

D. The above provision obligates the Contractor for the period during which the property is owned, used or possessed by the Contractor and the airport remains obligated to the Federal Aviation Administration.

2. Civil Rights – Title VI Assurance

A. During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “Contractor”) agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

1. Title VI of the Civil Rights Act of 1964 (42 USC § 2000d et seq., 78 stat. 252) (prohibits discrimination on the basis of race, color, national origin);

2. 49 CFR part 21 (Non-discrimination in Federally-Assisted programs of the Department of Transportation—Effectuation of Title VI of the Civil Rights Act of 1964);

3. The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 USC § 4601) (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);

4. Section 504 of the Rehabilitation Act of 1973 (29 USC § 794 et seq.), as amended (prohibits discrimination on the basis of disability); and 49 CFR part 27 (Nondiscrimination on the Basis of Disability in Programs or Activities Receiving Federal Financial Assistance);

5. The Age Discrimination Act of 1975, as amended (42 USC § 6101 et seq.) (prohibits discrimination on the basis of age);

6. Airport and Airway Improvement Act of 1982 (49 USC § 47123), as amended (prohibits discrimination based on race, creed, color, national origin, or sex);

7. The Civil Rights Restoration Act of 1987 (PL 100-259) (broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, the Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);

8. Titles II and III of the Americans with Disabilities Act of 1990 (42 USC § 12101, et seq) (prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities) as implemented by U.S. Department of Transportation regulations at 49 CFR parts 37 and 38;

9. The Federal Aviation Administration’s Nondiscrimination statute (49 USC § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);

10. Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations (ensures nondiscrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations);

11. Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs [70 Fed. Reg. 74087 (2005)];

12. Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 USC § 1681, et seq).

B. During the performance of this contract, the Contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “Contractor”), agrees as follows:

1. Compliance with Regulations: The Contractor (hereinafter includes consultants) will comply with the Title VI List of Pertinent Nondiscrimination Acts and Authorities, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.

2. Nondiscrimination: The Contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, national origin (including limited English proficiency), creed, sex (including sexual orientation and gender identity), age, or disability in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The Contractor will not participate directly or indirectly in the discrimination

prohibited by the Nondiscrimination Acts and Authorities, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR part 21.

3. Solicitations for Subcontracts, including Procurements of Materials and Equipment: In all solicitations, either by competitive bidding or negotiation made by the Contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the Contractor of the contractor's obligations under this contract and the Nondiscrimination Acts and Authorities on the grounds of race, color, or national origin.

4. Information and Reports: The Contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Sponsor or the Federal Aviation Administration to be pertinent to ascertain compliance with such Nondiscrimination Acts and Authorities and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the Contractor will so certify to the Sponsor or the Federal Aviation Administration, as appropriate, and will set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of a Contractor's noncompliance with the non-discrimination provisions of this contract, the Sponsor will impose such contract sanctions as it or the Federal Aviation Administration may determine to be appropriate, including, but not limited to:

a. Withholding payments to the Contractor under the contract until the Contractor complies; and/or

b. Cancelling, terminating, or suspending a contract, in whole or in part.

6. Incorporation of Provisions: The Contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations, and directives issued pursuant thereto. The Contractor will take action with respect to any subcontract or procurement as the Sponsor or the Federal Aviation Administration may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the Contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the Contractor may request the Sponsor to enter into any litigation to protect the interests of the Sponsor. In addition, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

3. ACDBE Regulations

A. This agreement is subject to the requirements of the U.S. Department of Transportation's regulations, 49 CFR part 23. The concessionaire or contractor agrees that it will not discriminate against any business owner because of the owner's race, color, national origin, or sex in connection with the award or performance of any concession agreement, management

contract, or subcontract, purchase or lease agreement, or other agreement covered by 49 CFR part 23.

B. The concessionaire or contractor agrees to include the above statements in any subsequent concession agreement or contract covered by 49 CFR part 23, that it enters and cause those businesses to similarly include the statements in further agreements.



Burbank-Glendale-Pasadena Airport Authority Quarterly Investment Review

As of June 30, 2026

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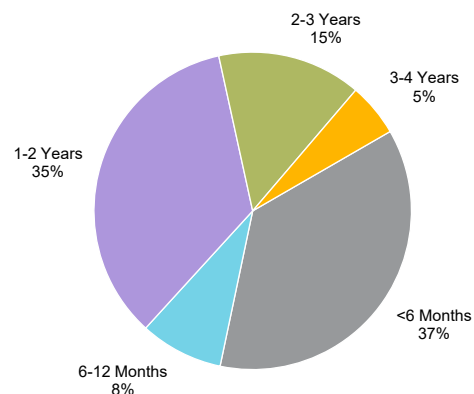
Guidelines conformance

Operating Portfolio investment guidelines conformance

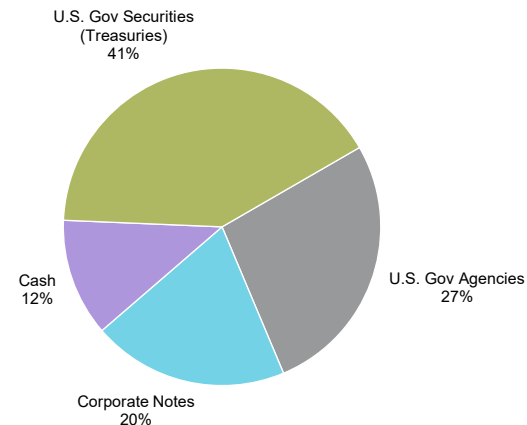
As of June 30, 2026

	Legal max maturity	Actual max maturity	Policy maximum	Policy actual
U.S. Gov Agencies	5 Years	3.55 Years	70%	27%
Corporate Notes	5 Years	4.61 Years	30%	20%
LAIF	N/A	N/A	\$20mil	N/A
Bankers Acceptance	6 Months	N/A	15%	N/A
Negotiable Certificates of Deposit	5 Years	N/A	15%	N/A
Non-Negotiable Certificates of Deposit	5 Years	N/A	15%	N/A
Commercial Paper	270 Days	N/A	15%	N/A
Repurchase Agreements	1 Year	N/A	10%	N/A
Money Market Fund	N/A	N/A	20%	12%
U.S. Gov Securities (Treasuries)	5 Years	2.75 Years	No limit	41%

Maturity distribution



Sector allocation



Source: Aladdin

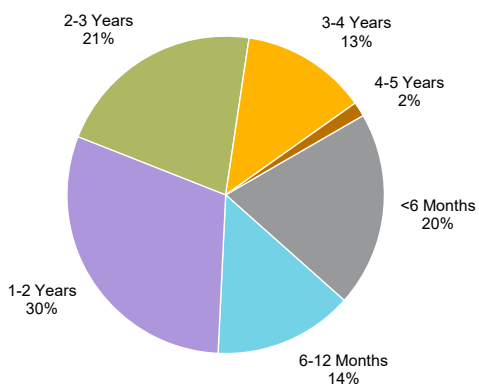
There is no guarantee that the investment objective will be achieved or that return expectations will be met.

PFC Portfolio investment guidelines conformance

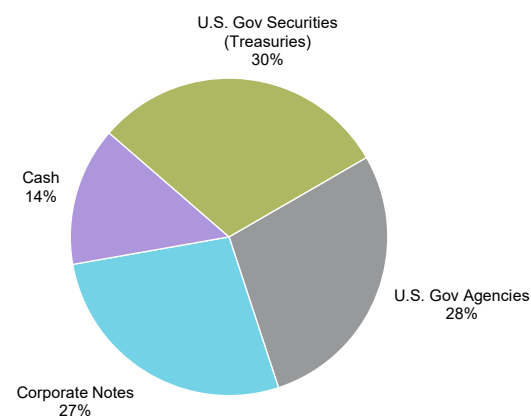
As of June 30, 2026

	Legal max maturity	Actual max maturity	Policy maximum	Policy actual
U.S. Gov Agencies	5 Years	3.21 Years	70%	28%
Corporate Notes	5 Years	3.79 Years	30%	27%
LAIF	N/A	N/A	\$20mil	N/A
Bankers Acceptance	6 Months	N/A	15%	N/A
Negotiable Certificates of Deposit	5 Years	N/A	15%	N/A
Non-Negotiable Certificates of Deposit	5 Years	N/A	15%	N/A
Commercial Paper	270 Days	N/A	15%	N/A
Repurchase Agreements	1 Year	N/A	10%	N/A
Money Market Fund	N/A	N/A	20%	14%
U.S. Gov Securities (Treasuries)	5 Years	2.34 Years	No limit	30%

Maturity distribution



Sector allocation



Source: Aladdin

There is no guarantee that the investment objective will be achieved or that return expectations will be met.

Fixed income overview

Macroeconomic Review

As of June 30, 2026

Highlights

U.S. GDP growth

- The US economy grew at an estimated 2.1% pace for the first quarter of 2026 as government spending and business investments in technology and artificial intelligence overshadowed reduced consumer spending on the back of increased inflation readings.
- Real consumer spending rose 0.3% month over month in May, with strength concentrated in durable goods, particularly in furnishings and household equipment. Non-durable goods spending also remained strong, even with elevated fuel prices. Despite weakness in overall consumer sentiment, spending has remained relatively resilient, backstopped by wealth effects and reduced consumer savings.
- Headline PCE inflation was elevated, rising 0.5% in May with a 12-month increase of 4.2%. Core PCE increased 0.3% month over month, settling at 3.4% year over year. Inflation remains higher, largely due to elevated energy and gas prices. This caused the market to reassess expectations in the policy rate.
- The personal savings rate declined to 3.0%, below the long run average of 4.6%. Despite nominal personal income rising 0.7% month over month in May, real disposable personal income remained flat month over month, as effects from the conflict in Iran continue to be seen throughout the economy.

Rates and Fed policy

- Entering 2026 with inflation moderating but still sticky, markets anticipated that the Federal Reserve would implement two to three 25-basis-point rate cuts over the year. However, ongoing inflation pressures, combined with heightened geopolitical risk has led the Federal Reserve to hold policy rates steady thus far in 2026, with current market pricing now reflecting one 25-basis-point rate hike in 2026. (A basis point equals one-hundredth of one percent.)

Atlanta Fed GDP Forecast

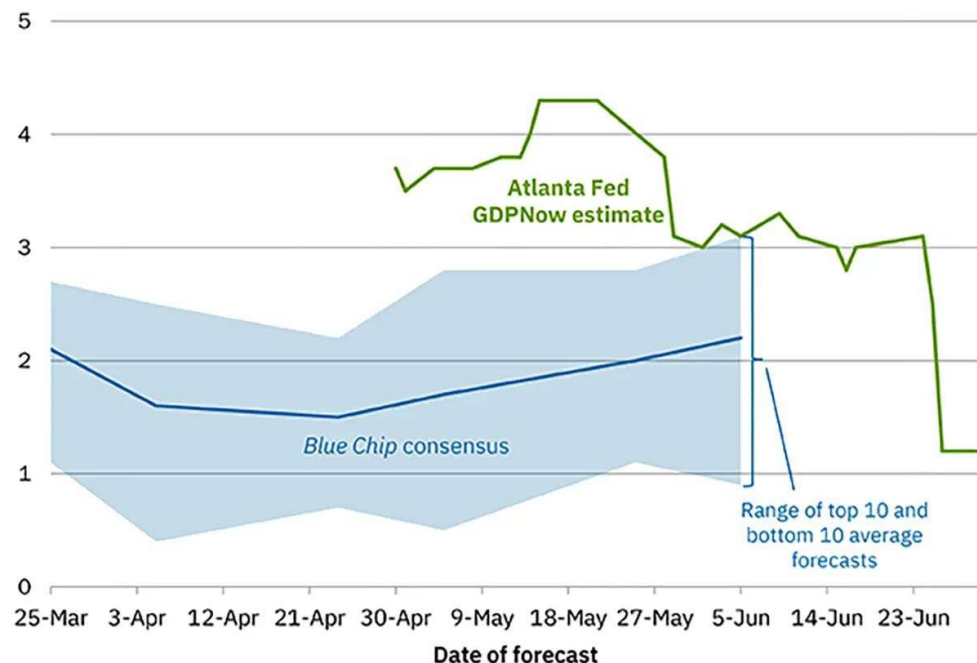


Chart image source: Federal Reserve Bank of Atlanta, GDPNow.

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U.S. Treasury Yield Curve Review

As of June 30, 2026

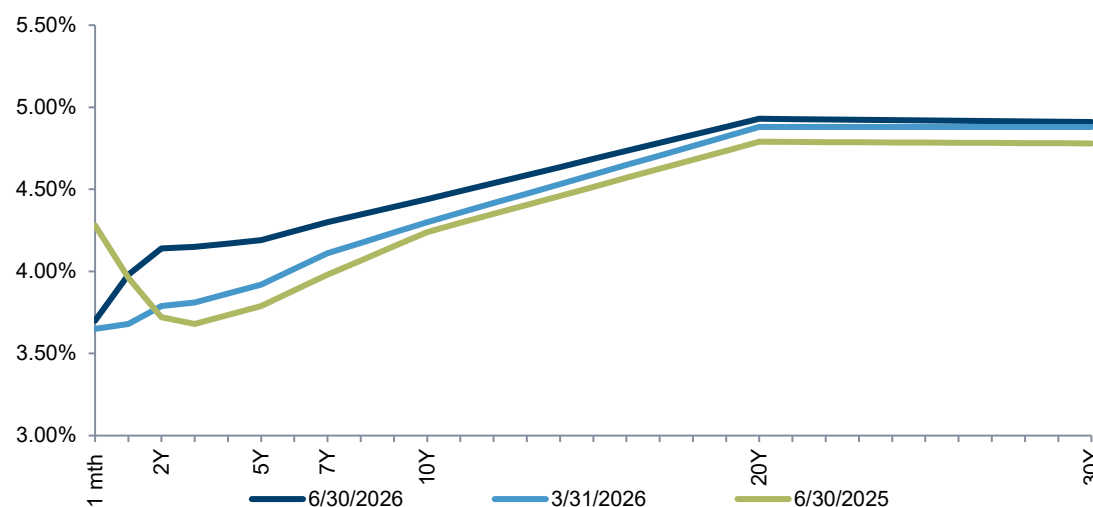
Highlights

- The yield on the two-year U.S. Treasury note increased from 3.79% to 4.15% over the quarter, while the ten-year Treasury yield also rose from 4.32% to 4.44% by quarter-end. Performance was mixed across the Treasury curve for the second quarter, as the belly of the curve (3-5 year maturities) generally underperformed relative to shorter and longer dated bonds.
- Inflation readings were elevated in May, remaining above the Federal Reserve's 2% target. Despite increased inflation, combined with weakening consumer sentiment and savings rates, the Federal Reserve held policy rates steady in the second quarter, with markets now anticipating one rate hike in 2026.
- While volatility and uncertainty around inflation remains elevated, U.S. bond-market volatility, as measured by the ICE BofA US Bond MOVE Index, decreased for the period. Improvements in the Iranian conflict around an agreed upon ceasefire and reopening of the Strait of Hormuz, as well as a decrease in fuel prices throughout the quarter provides stronger opportunities in the fixed income market, with caution still warranted.
- Growing concerns about labor-market softness, combined with steady but slowing progress toward the Federal Reserve's inflation target, initially led markets to expect two to three rate cuts in 2026. However, persistent inflationary pressures and renewed geopolitical risks have since prompted markets to remove expectations for rate cuts and now favoring one 25-basis-point rate hike in 2026. Looking ahead, the Federal Reserve is likely to remain data-dependent as it navigates elevated uncertainty, new leadership, and attempting to further curb inflation without triggering a broader economic slowdown.

U.S. Treasury market performance

	QTD			12 Month	
	Yield	Yield Change	Total Return	Yield Change	Total Return
U.S. Treasury Bellwethers	4.13%	+0.20%	0.46%	+0.01%	3.49%
2 Year Bellwethers	4.15%	+0.36%	0.29%	+0.43%	2.70%
5 Year Bellwethers	4.20%	+0.25%	-0.14%	+0.41%	1.99%
10 Year Bellwethers	4.44%	+0.12%	0.18%	+0.21%	2.83%
30 Year Bellwethers	4.93%	+0.02%	0.88%	+0.15%	2.34%

U.S. Treasury yield curve



Investment Grade Corporate Sector Review

As of June 30, 2026

Review

The second quarter of 2026 was shaped by the US and Iran conflict – from its most intense phase in early April through a ceasefire agreement signed on June 17th. Investment grade spreads tightened over the quarter and settled at +74 bps, 14 bps tighter from the end of the first quarter. The Bloomberg U.S. Corporate Index (“Index”) generated 1.40% of total return and delivered 117 bps of excess return for the period.

- Industrials, Utilities, and Financials generated excess returns of 1.08%, 1.37%, and 1.25%, respectively. In the second quarter, BBB- rated bonds recorded excess returns of 1.46% versus AA- and A- rated bonds, which recorded excess returns of 0.43% and 1.04% respectively.
- Outperforming industries from an excess return perspective over the quarter were Health Insurance, Leisure, Life Insurance, Office REITs, and Transportation Services. The worst performing industries over the quarter were Cable & Satellite, Media & Entertainment, Construction Machinery, Wirelines, and Environmental Services.

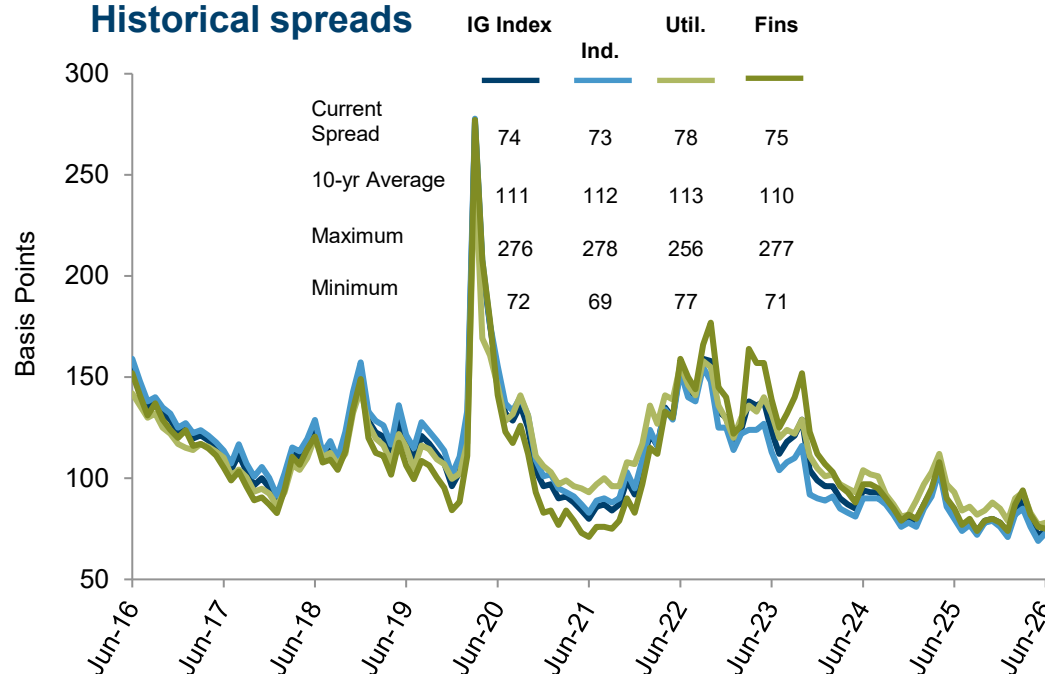
Valuations

- The yield of the Index finished the quarter at 5.20%, up six basis points since the end of the first quarter.
- Index spreads ended the first quarter at +74 basis points, 14 basis points tighter than the end of first quarter. Spreads hit a quarter low on May 29th, before settling 3 bp higher to end the quarter. At current levels, spreads remain historically tight, just under the 2nd percentile for the period going back to year-end 2009 (just post GFC). The Index yield of 5.20% sits in the 87th percentile for the same period.

Outlook

- Fundamentals for the investment grade corporate market remain solid, despite the US Iranian conflict, persistent inflation, and increased concerns on spending from AI-related investments. Corporate outlooks also remain solid but appear largely reflected in current valuations. Technical factors remain supportive, but additional supply from already elevated issuance to fund increased AI capex and M&A activity could become a headwind in the category.
- The combination of strong fundamentals and a supportive technical backdrop are the primary reasons as to why spreads remain near generational lows. This provides opportunity to navigate markets with an emphasis on technical factors and analysis to identify opportunities, rather than strictly based on valuation.

Historical spreads



Source: Bloomberg IG Index represents the Bloomberg U.S. Investment Grade Corporate Index based on quarter-end data.

CTNA8507585.5

Past performance is not a guarantee of future results.

Operating Fund portfolio review

Operating Fund portfolio review

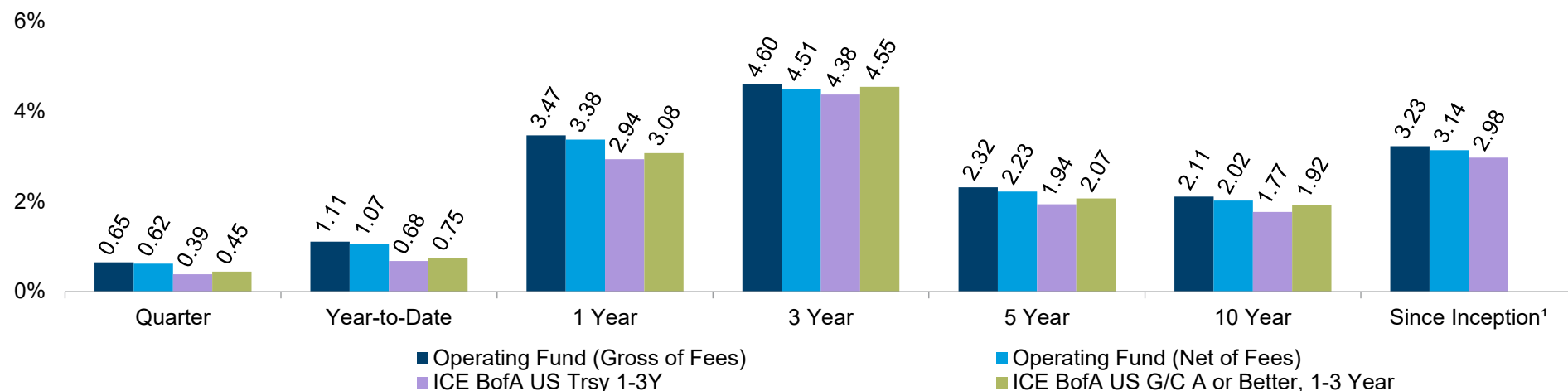
As of June 30, 2026

Reconciliation of Assets ¹		
Beginning Market Value (04/01/26)	\$	259,087,623
Net Contributions/Withdrawals	\$	-
Income Earned	\$	2,502,966
Change in Market Value	\$	-827,375
Ending Market Value (06/30/26)	\$	260,763,214

¹ Asset values can differ slightly due to rounding.
Source: Columbia Management Investment Advisers, LLC

Operating Fund portfolio performance

As of June 30, 2026



	Quarter (%)	Year-to-Date (%)	1 Year (%)	3 Year (%)	5 Year (%)	10 Year (%)	Since Inception ¹ (%)
Operating Fund (Gross of Fees)	0.65	1.11	3.47	4.60	2.32	2.11	3.23
Operating Fund (Net of Fees)	0.62	1.07	3.38	4.51	2.23	2.02	3.14
ICE BofA US Trsy 1-3Y	0.39	0.68	2.94	4.38	1.94	1.77	2.98
ICE BofA US G/C A or Better, 1-3 Year	0.45	0.75	3.08	4.55	2.07	1.92	

¹ Inception date: August 1, 1996

Fee schedule is 9 basis points (bps) on all assets.

Source: Columbia Management Investment Advisers, LLC, Factset

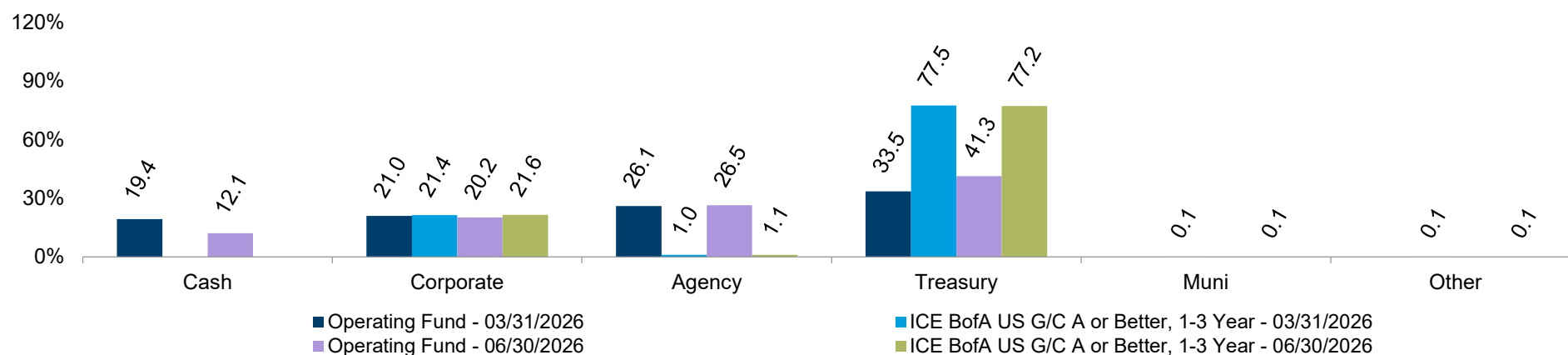
Past performance does not guarantee future results. Please refer to the Disclosures at the end of this presentation for more information.

Operating Fund portfolio characteristics

As of June 30, 2026

Statistics	Operating Fund	ICE BofA US G/C A or Better, 1-3 Year
Yield to Maturity	4.09%	4.24%
Average Maturity	1.18 Years	1.96 Years
Effective Duration	1.11 Years	1.83 Years
Average Quality	Aa1	Aa1

Sector allocation

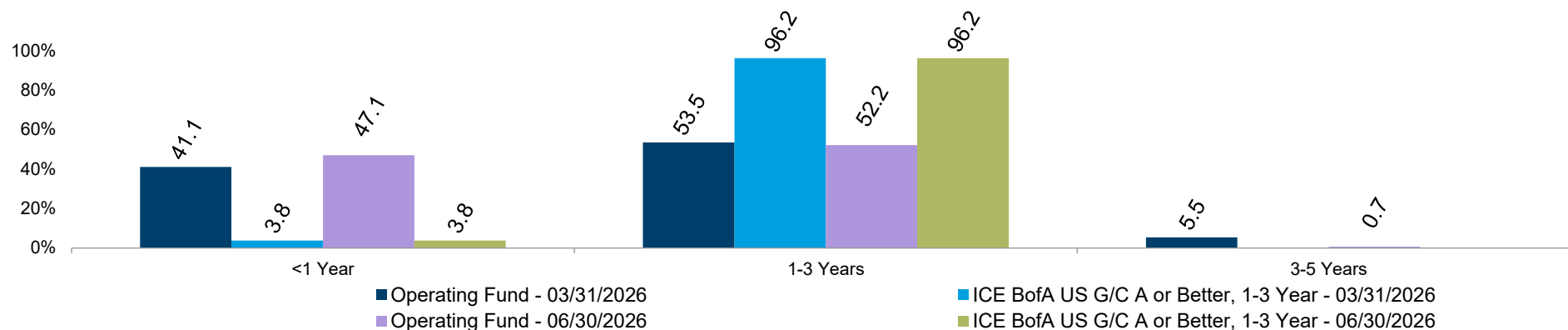


Source: Aladdin

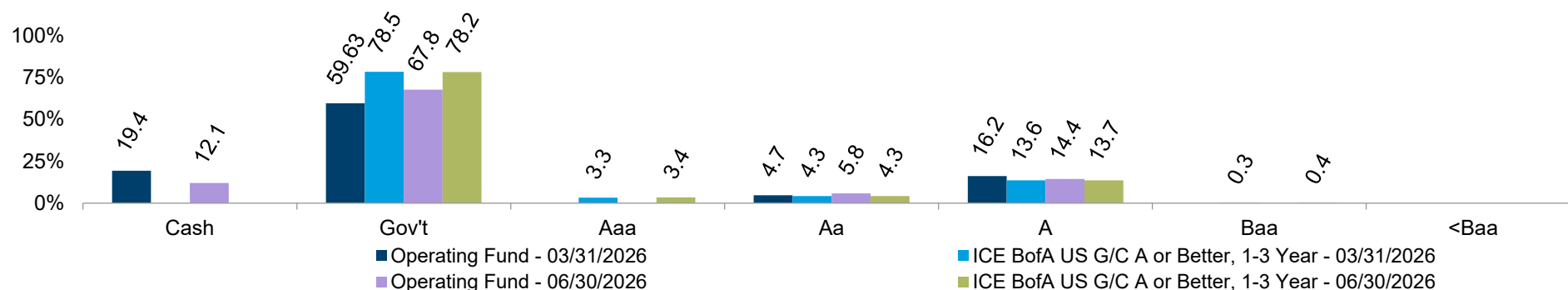
Operating Fund portfolio characteristics

As of June 30, 2026

Duration



Quality¹



¹ Bond ratings are divided into categories ranging from AAA (highest) to D (lowest) and are subject to change. The ratings shown are determined by using the average of the ratings from Moody's, S&P and Fitch each a third- party credit rating service provider. When a rating from only two agencies is available, the average of the two is used. When a rating from only one agency is available, that rating is used. When a bond is not rated by any of these agencies, it is designated as Not Rated. Securities designated as Not Rated do not necessarily indicate low credit quality, and for such securities the investment adviser evaluates the credit quality. Holdings of the portfolio other than bonds are categorized under Other. Credit ratings are subjective opinions of the credit rating agencies and not statements of fact, may become stale and are subject to change.

Source: Aladdin

PFC Fund portfolio review

PFC Fund portfolio review

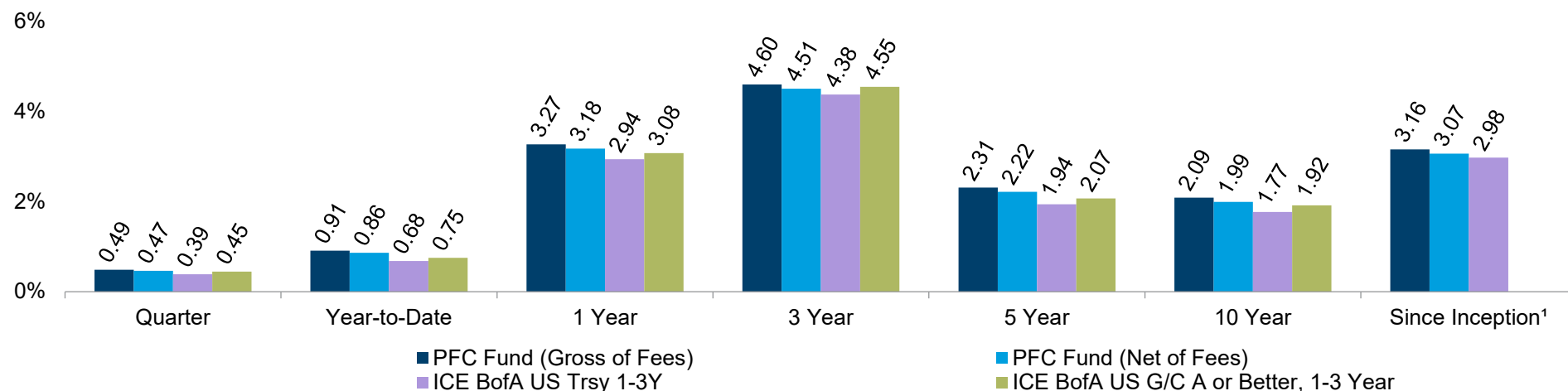
As of June 30, 2026

Reconciliation of Assets ¹		
Beginning Market Value (04/01/26)	\$	70,321,988
Net Contributions/Withdrawals	\$	-
Income Earned	\$	680,739
Change in Market Value	\$	-336,610
Ending Market Value (06/30/26)	\$	70,666,118

¹ Asset values can differ slightly due to rounding.
Source: Columbia Management Investment Advisers, LLC

PFC Fund portfolio performance

As of June 30, 2026



	Quarter (%)	Year-to-Date (%)	1 Year (%)	3 Year (%)	5 Year (%)	10 Year (%)	Since Inception ¹ (%)
PFC Fund (Gross of Fees)	0.49	0.91	3.27	4.60	2.31	2.09	3.16
PFC Fund (Net of Fees)	0.47	0.86	3.18	4.51	2.22	1.99	3.07
ICE BofA US Trsy 1-3Y	0.39	0.68	2.94	4.38	1.94	1.77	2.98
ICE BofA US G/C A or Better, 1-3 Year	0.45	0.75	3.08	4.55	2.07	1.92	

¹ Inception date: August 1, 1996

Fee schedule is 9 basis points (bps) on all assets.

Source: Columbia Management Investment Advisers, LLC, Factset

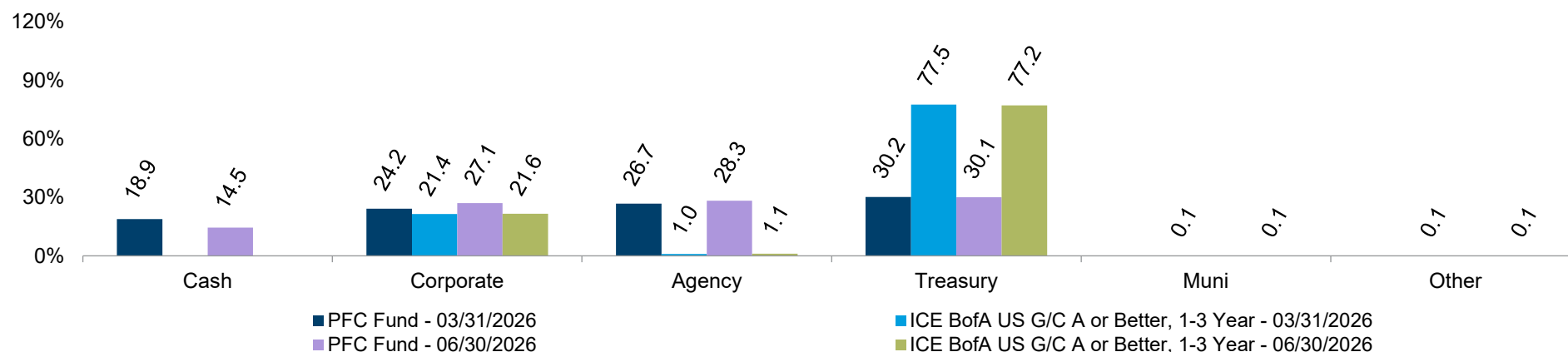
Past performance does not guarantee future results. Please refer to the Disclosures at the end of this presentation for more information.

PFC Fund portfolio characteristics

As of June 30, 2026

Statistics	PFC Fund	ICE BofA US G/C A or Better, 1-3 Year
Yield to Maturity	4.16 %	4.24 %
Average Maturity	1.66 Years	1.96 Years
Effective Duration	1.53 Years	1.83 Years
Average Quality	Aa1	Aa1

Sector allocation

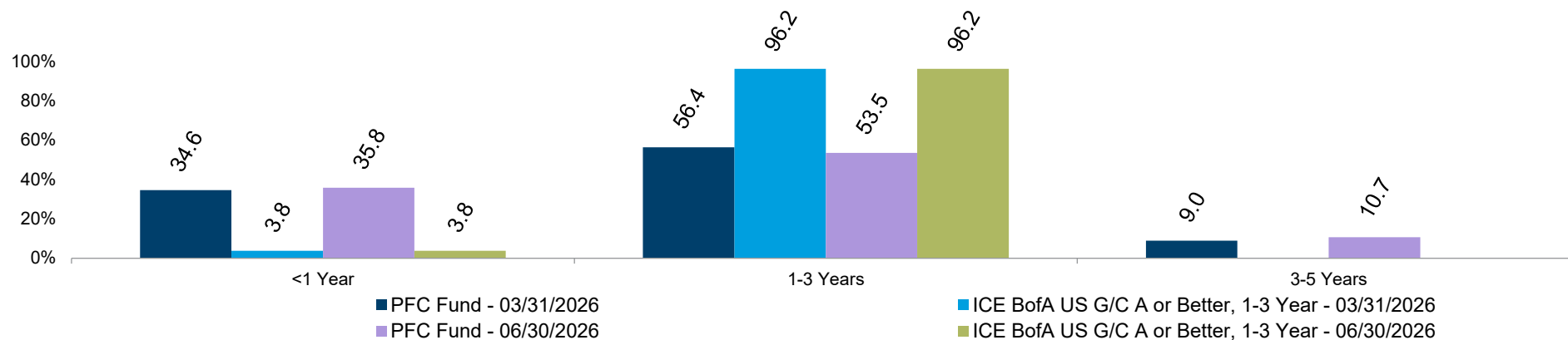


Source: Aladdin

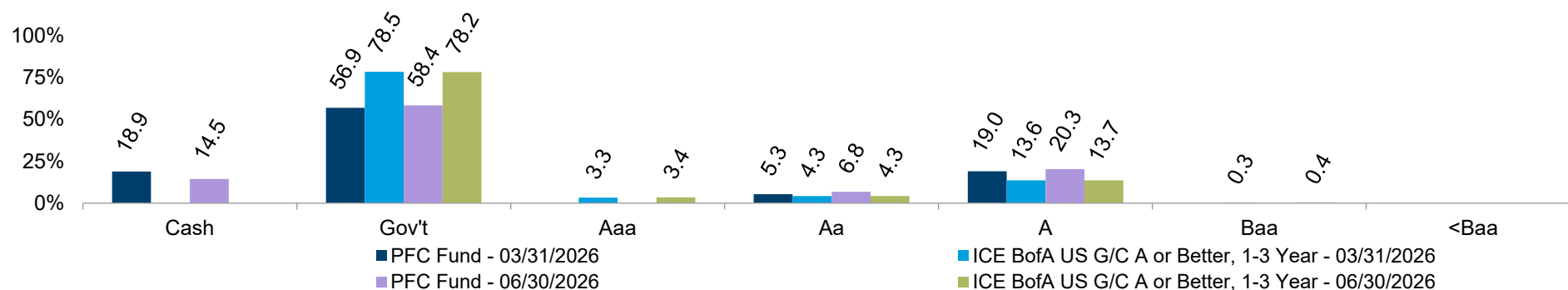
PFC Fund portfolio characteristics

As of June 30, 2026

Duration



Quality¹



¹ Bond ratings are divided into categories ranging from AAA (highest) to D (lowest) and are subject to change. The ratings shown are determined by using the average of the ratings from Moody's, S&P and Fitch each a third- party credit rating service provider. When a rating from only two agencies is available, the average of the two is used. When a rating from only one agency is available, that rating is used. When a bond is not rated by any of these agencies, it is designated as Not Rated. Securities designated as Not Rated do not necessarily indicate low credit quality, and for such securities the investment adviser evaluates the credit quality. Holdings of the portfolio other than bonds are categorized under Other. Credit ratings are subjective opinions of the credit rating agencies and not statements of fact, may become stale and are subject to change.

Source: Aladdin

Portfolio holdings

Burbank Airport - Operating Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
CASH AND EQUIVALENTS													
CASH													
US DOLLAR	USD	237,500	0	1.0000	0.00%	0	237,500	0	0.000				0.09%
TOTAL CASH			0			0	237,500	0	0.000				0.09%
MM FUNDS TAXABLE NONPROPRIETARY													
DREYFUS TRSY SEC CM INVESTOR 674	BAXB9MM47	31,249,474	31,249,474	1.0000	3.83%	0	31,249,474	0	0.000				12.05%
TOTAL MM FUNDS TAXABLE NONPROPRIETARY			31,249,474			0	31,249,474	0	0.000				12.05%
TOTAL CASH AND EQUIVALENTS			31,249,474			0	31,486,974	0	0.000				12.14%
FIXED INCOME													
CORPORATE BONDS													
ABBVIE INC 4.25 14-NOV-2028 SENIOR	00287YBF5	2,000,000	2,015,709	99.6399	4.41%	11,097	1,992,798	(22,912)	0.016	08/14/28	A2	A-	0.77%
ALABAMA POWER COMPANY 3.75 01-SEP-2027 SENIOR	010392FY9	1,550,000	1,547,454	99.4153	4.26%	19,375	1,540,937	(6,518)	0.007	08/01/27	A1	A	0.59%
BANK OF NEW YORK MELLON CORP/THE 4.89 21-JUL-2028 SRBN	06406RBX4	2,550,000	2,574,188	100.4557	4.48%	55,420	2,561,621	(12,567)	0.010	07/21/27	Aa3	A	0.99%
CATERPILLAR FINC SERVICES (FXD) 4.4 03-MAR-2028 SENIOR	14913UAY6	2,000,000	2,001,241	100.1108	4.33%	28,844	2,002,217	976	0.012	03/03/28	A1	NR	0.77%
CHEVRON CORP 2.0 11-MAY-2027 SENIOR	166764BX7	2,125,000	2,089,070	98.1953	4.14%	5,888	2,086,650	(2,420)	0.007	03/11/27	Aa2	AA-	0.80%
CHUBB INA HOLDINGS INC 4.65 15-AUG-2029 SENIOR	171239AL0	2,000,000	2,005,057	100.4346	4.50%	35,133	2,008,692	3,635	0.022	07/15/29	A2	A	0.77%
CISCO SYSTEMS INC 4.85 26-FEB-2029 SENIOR	17275RBR2	1,475,000	1,495,064	101.0589	4.42%	24,839	1,490,618	(4,446)	0.014	01/26/29	A1	AA-	0.57%
CITIBANK NA 5.8 29-SEP-2028 SENIOR	17325FBB3	2,600,000	2,686,673	102.8643	4.45%	38,558	2,674,473	(12,201)	0.021	08/29/28	Aa3	A+	1.03%
DUKE ENERGY CAROLINAS 2.95 01-DEC-2026 SECURED	26442CAS3	1,000,000	993,276	99.4930	4.17%	2,458	994,930	1,654	0.002	09/01/26	Aa3	A	0.38%
EXXON MOBIL CORP 2.44 16-AUG-2029 SENIOR	30231GBE1	2,300,000	2,180,027	94.4798	4.35%	21,045	2,173,036	(6,990)	0.024	05/16/29	Aa2	AA-	0.84%
FLORIDA POWER & LIGHT CO 5.05 01-APR-2028 SECURED	341081GK7	1,200,000	1,214,195	101.1503	4.36%	15,150	1,213,804	(391)	0.008	03/01/28	Aa2	A+	0.47%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - Operating Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
CORPORATE BONDS													
GENERAL DYNAMICS CORPORATION 2.63 15-NOV-2027 SENIOR	369550AZ1	1,950,000	1,909,571	97.8907	4.22%	6,541	1,908,869	(702)	0.010	08/15/27	A1	A	0.74%
HOME DEPOT INC 2.7 15-APR-2030 SENIOR	437076CB6	2,000,000	1,873,244	93.8573	4.48%	11,400	1,877,146	3,902	0.025	01/15/30	A2	A	0.72%
JOHN DEERE CAPITAL CORP 4.85 11-JUN-2029 SENIOR	24422EXT1	2,000,000	2,044,887	101.2669	4.39%	5,389	2,025,337	(19,550)	0.021	06/11/29	A1	A	0.78%
MERCK & CO INC 1.9 10-DEC-2028 SENIOR	58933YBD6	2,300,000	2,160,759	94.3686	4.35%	2,549	2,170,478	9,719	0.020	10/10/28	Aa3	A+	0.84%
META PLATFORMS INC 3.5 15-AUG-2027 SENIOR	30303M8G0	2,050,000	2,043,863	99.1674	4.26%	27,106	2,032,931	(10,932)	0.008	07/15/27	Aa3	AA-	0.78%
PEPSICO INC 2.38 06-OCT-2026 SENIOR	713448DN5	1,100,000	1,093,567	99.5511	4.05%	6,168	1,095,062	1,495	0.001	10/06/26	A1	A	0.42%
PEPSICO INC 3.6 18-FEB-2028 SENIOR	713448FL7	1,000,000	997,222	98.9244	4.29%	13,300	989,244	(7,978)	0.006	01/18/28	A1	A+	0.38%
PFIZER INC 3.45 15-MAR-2029 SENIOR	717081ET6	2,100,000	2,053,357	97.6752	4.37%	21,332	2,051,178	(2,179)	0.020	12/15/28	A2	A	0.79%
PNC BANK NA 3.25 22-JAN-2028 SENIOR	69353RFJ2	2,000,000	1,957,314	98.2680	4.41%	28,708	1,965,359	8,045	0.011	12/22/27	A2	A	0.76%
PROCTER & GAMBLE CO 2.85 11-AUG-2027 SENIOR	742718EV7	2,100,000	2,080,037	98.5352	4.21%	23,275	2,069,238	(10,799)	0.009	08/11/27	Aa3	AA-	0.80%
PUBLIC SERVICE ELECTRIC AND GAS CO 2.25 15-SEP-2026 SECURED	74456QBR6	1,225,000	1,219,764	99.5933	4.19%	8,116	1,220,018	255	0.001	09/15/26	A1	A	0.47%
QUALCOMM INCORPORATED 1.3 20-MAY-2028 SENIOR	747525BN2	1,900,000	1,804,085	94.5156	4.36%	2,813	1,795,797	(8,288)	0.013	02/20/28	A2	A	0.69%
TARGET CORPORATION 3.38 15-APR-2029 SENIOR	87612EBH8	2,000,000	1,978,615	97.3842	4.38%	14,250	1,947,685	(30,931)	0.019	01/15/29	A2	A	0.75%
UNION PACIFIC CORPORATION 3.7 01-MAR-2029 SENIOR	907818FB9	2,000,000	1,959,129	98.1898	4.42%	24,667	1,963,796	4,667	0.018	12/01/28	A3	A-	0.76%
UNITEDHEALTH GROUP INC 2.95 15-OCT-2027 SENIOR	91324PDE9	2,100,000	2,059,813	98.3020	4.31%	13,078	2,064,343	4,530	0.010	10/15/27	A2	A+	0.80%
US BANK NA 4.51 22-OCT-2027 SRP	90331HPP2	2,600,000	2,598,504	100.0336	4.36%	22,460	2,600,875	2,371	0.003	10/22/26	A2	A+	1.00%
WISCONSIN ELECTRIC POWER COMPANY 5.0 15-MAY-2029 SENIOR	976656CQ9	1,550,000	1,557,110	101.2703	4.52%	9,903	1,569,690	12,579	0.016	04/15/29	A2	A-	0.61%
TOTAL CORPORATE BONDS			52,192,798			498,863	52,086,823	(105,975)	0.352				20.08%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - Operating Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
GOVERNMENT AGCY DISC NOTE-FI													
TREASURY NOTE 4.13 31-OCT-2026 SENIOR	91282CLS8	4,000,000	4,000,404	100.0508	3.94%	27,799	4,002,031	1,627	0.005	10/31/26	Aa1	AA+	1.54%
TREASURY NOTE 4.25 31-DEC-2026 UNSEC	91282CME8	10,000,000	10,019,306	100.1328	3.98%	1,155	10,013,281	(6,025)	0.019	-	Aa1	AA+	3.86%
TOTAL GOVERNMENT AGCY DISC NOTE-FI			14,019,710			28,954	14,015,312	(4,397)	0.024				5.40%
GOVERNMENTS													
FEDERAL FARM CREDIT BANKS FUNDING 4.5 14-AUG-2026 UNSEC	3133EPSW6	1,625,000	1,626,451	100.0779	3.80%	27,828	1,626,265	(186)	0.001	08/14/26	Aa1	AA+	0.63%
FFCB 3.38 27-OCT-2027 UNSEC	3133ETM95	2,750,000	2,743,798	98.9372	4.20%	16,500	2,720,774	(23,024)	0.013	10/27/27	Aa1	AA+	1.05%
FFCB 3.63 27-AUG-2027 UNSEC	3133ETVJ3	7,630,000	7,635,102	99.4186	4.14%	95,269	7,585,637	(49,465)	0.032	08/27/27	Aa1	AA+	2.92%
FFCB 4.25 28-JAN-2028 UNSEC	3133ERZ46	7,100,000	7,081,434	100.0482	4.22%	128,244	7,103,424	21,991	0.041	01/28/28	Aa1	AA+	2.74%
FHLB 1.88 11-SEP-2026 SENIOR	3130A8XY4	1,000,000	1,002,016	99.6194	3.80%	5,729	996,194	(5,822)	0.001	09/11/26	Aa1	AA+	0.38%
FHLB 2.13 11-DEC-2026 SENIOR	3130A9YY1	3,800,000	3,810,037	99.1565	4.04%	4,486	3,767,948	(42,089)	0.006	12/11/26	Aa1	AA+	1.45%
FHLB 3.0 11-SEP-2026	3130A2VE3	6,000,000	5,986,359	99.8117	3.93%	55,000	5,988,699	2,340	0.005	09/11/26	Aa1	AA+	2.31%
FHLB 4.0 10-MAR-2027 UNSEC	3130B5K64	600,000	599,803	99.9849	4.02%	7,400	599,909	107	0.002	03/10/27	Aa1	AA+	0.23%
FHLB 4.25 10-DEC-2027 SENIOR	3130ATUS4	9,055,000	9,094,499	100.0223	4.23%	22,449	9,057,021	(37,477)	0.049	12/10/27	Aa1	AA+	3.49%
FHLB 4.5 10-MAR-2028 SENIOR	3130ATS57	1,500,000	1,522,718	100.5290	4.17%	20,813	1,507,935	(14,783)	0.009	03/10/28	Aa1	AA+	0.58%
FHLB 4.63 11-SEP-2026 SENIOR	3130AWTQ3	3,250,000	3,251,890	100.1493	3.81%	45,929	3,254,852	2,962	0.003	09/11/26	Aa1	AA+	1.25%
FHLMC REFERENCE NOTES 6.75 15-SEP-2029	3134A3U46	7,300,000	7,879,144	107.5845	4.20%	145,088	7,853,668	(25,477)	0.086	09/15/29	Aa1	AA+	3.03%
FNMA BENCHMARK NOTES 6.25 15-MAY-2029	31359MEU3	5,750,000	6,132,494	105.5762	4.17%	45,920	6,070,630	(61,864)	0.061	05/15/29	Aa1	AA+	2.34%
FNMA 0.75 08-OCT-2027 UNSEC	3135G05Y5	10,800,000	10,447,596	95.8962	4.09%	18,675	10,356,795	(90,801)	0.050	10/08/27	Aa1	AA+	3.99%
TOTAL GOVERNMENTS			68,813,340			639,329	68,489,751	(323,589)	0.357				26.41%
TREASURY NOTES													
TREASURY NOTE 0.5 30-JUN-2027 UNSEC	91282ZV5	10,000,000	9,705,839	96.5078	4.10%	136	9,650,781	(55,058)	0.036	06/30/27	Aa1	AA+	3.72%
TREASURY NOTE 0.5 31-OCT-2027 UNSEC	91282CAU5	10,000,000	9,626,912	95.2969	4.16%	8,424	9,529,688	(97,224)	0.048	10/31/27	Aa1	AA+	3.67%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - Operating Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
TREASURY NOTES													
TREASURY NOTE 0.63 31-MAR-2027 SENIOR	912828ZE3	10,000,000	9,784,738	97.5273	4.00%	15,710	9,752,734	(32,003)	0.027	03/31/27	Aa1	AA+	3.76%
TREASURY NOTE 0.75 31-AUG-2026 UNSEC	91282CCW9	10,000,000	9,951,269	99.5000	3.73%	25,068	9,950,000	(1,269)	0.007	08/31/26	Aa1	AA+	3.84%
TREASURY NOTE 0.88 30-SEP-2026 SENIOR	91282CCZ2	10,000,000	9,931,087	99.2734	3.78%	21,995	9,927,344	(3,743)	0.010	09/30/26	Aa1	AA+	3.83%
TREASURY NOTE 1.0 31-JUL-2028 SENIOR	91282CCR0	10,000,000	9,366,237	93.7578	4.16%	41,713	9,375,781	9,544	0.073	07/31/28	Aa1	AA+	3.61%
TREASURY NOTE 1.25 30-APR-2028 UNSEC	91282CBZ3	10,000,000	9,493,929	94.9102	4.16%	21,060	9,491,016	(2,914)	0.065	04/30/28	Aa1	AA+	3.66%
TREASURY NOTE 1.38 31-OCT-2028 SENIOR	91282CDF5	5,000,000	4,733,826	93.8438	4.17%	11,583	4,692,188	(41,639)	0.041	10/31/28	Aa1	AA+	1.81%
TREASURY NOTE 1.5 15-AUG-2026 SENIOR	9128282A7	1,000,000	997,252	99.7031	3.83%	5,635	997,031	(221)	0.000	08/15/26	Aa1	AA+	0.38%
TREASURY NOTE 2.0 15-NOV-2026 SENIOR	912828U24	10,000,000	9,932,944	99.2734	3.96%	25,543	9,927,344	(5,600)	0.014	11/15/26	Aa1	AA+	3.83%
TREASURY NOTE 4.13 15-NOV-2027 UNSEC	91282CLX7	10,000,000	9,987,075	99.9375	4.17%	52,683	9,993,750	6,675	0.051	11/15/27	Aa1	AA+	3.85%
TOTAL TREASURY NOTES			93,511,107			229,550	93,287,656	(223,451)	0.373				35.97%
TOTAL FIXED INCOME			228,536,956			1,396,696	227,879,543	(657,413)	1.106				87.86%
TOTAL PORTFOLIO			259,786,430			1,396,696	259,366,517	(657,413)	1.106				100.00%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - PFC Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
CASH AND EQUIVALENTS													
CASH													
US DOLLAR	USD	10,000	0	1.0000	0.00%	0	10,000	0	0.000				0.01%
TOTAL CASH			0			0	10,000	0	0.000				0.01%
MM FUNDS TAXABLE NONPROPRIETARY													
DREYFUS TRSY SEC CM INVESTOR 674	BAXB9MM47	10,219,007	10,219,007	1.0000	3.83%	0	10,219,007	0	0.000				14.59%
TOTAL MM FUNDS TAXABLE NONPROPRIETARY			10,219,007			0	10,219,007	0	0.000				14.59%
TOTAL CASH AND EQUIVALENTS			10,219,007			0	10,229,007	0	0.000				14.60%
FIXED INCOME													
CORPORATE BONDS													
ABBVIE INC 4.25 14-NOV-2028 SENIOR	00287YBF5	550,000	547,966	99.6399	4.41%	3,052	548,019	53	0.017	08/14/28	A2	A-	0.78%
ALABAMA POWER COMPANY 3.75 01-SEP-2027 SENIOR	010392FY9	425,000	421,582	99.4153	4.26%	5,313	422,515	933	0.007	08/01/27	A1	A	0.60%
APPLE INC 1.65 08-FEB-2031 SENIOR	037833ED8	550,000	498,246	88.7861	4.36%	3,605	488,324	(9,923)	0.030	11/08/30	Aaa	AA+	0.70%
BANK OF NEW YORK MELLON CORP/THE 4.89 21-JUL-2028 SRBN	06406RBX4	550,000	552,340	100.4557	4.48%	11,953	552,507	167	0.008	07/21/27	Aa3	A	0.79%
BURLINGTON NORTHERN SANTA FE LLC 3.25 15-JUN-2027 SENIOR	12189LBA8	525,000	523,045	99.0859	4.23%	758	520,201	(2,844)	0.007	03/15/27	A2	AA-	0.74%
CATERPILLAR FINC SERVICES (FXD) 4.4 03-MAR-2028 SENIOR	14913UAY6	525,000	525,326	100.1108	4.33%	7,572	525,582	256	0.012	03/03/28	A1	NR	0.75%
CHEVRON CORP 2.0 11-MAY-2027 SENIOR	166764BX7	475,000	467,882	98.1953	4.14%	1,316	466,428	(1,454)	0.006	03/11/27	Aa2	AA-	0.67%
CHUBB INA HOLDINGS INC 4.65 15-AUG-2029 SENIOR	171239AL0	550,000	552,323	100.4346	4.50%	9,662	552,390	67	0.022	07/15/29	A2	A	0.79%
CISCO SYSTEMS INC 4.85 26-FEB-2029 SENIOR	17275RBR2	525,000	532,141	101.0589	4.42%	8,841	530,559	(1,582)	0.018	01/26/29	A1	AA-	0.76%
CITIBANK NA 5.8 29-SEP-2028 SENIOR	17325FBB3	615,000	633,497	102.8643	4.45%	9,120	632,616	(881)	0.018	08/29/28	Aa3	A+	0.90%
COMCAST CORPORATION 5.1 01-JUN-2029 SENIOR	20030NEH0	525,000	541,860	101.4809	4.55%	2,231	532,775	(9,085)	0.020	05/01/29	A3	A-	0.76%
DUKE ENERGY CAROLINAS LLC 4.85 15-MAR-2030 LN1	26442CBP8	425,000	427,311	100.8893	4.58%	6,069	428,779	1,469	0.020	02/15/30	Aa3	A	0.61%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - PFC Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
CORPORATE BONDS													
EXXON MOBIL CORP 2.44 16-AUG-2029 SENIOR	30231GBE1	600,000	568,547	94.4798	4.35%	5,490	566,879	(1,668)	0.024	05/16/29	Aa2	AA-	0.81%
FLORIDA POWER & LIGHT CO 5.05 01-APR-2028 SECURED	341081GK7	400,000	404,732	101.1503	4.36%	5,050	404,601	(130)	0.009	03/01/28	Aa2	A+	0.58%
GENERAL DYNAMICS CORPORATION 2.63 15-NOV-2027 SENIOR	369550AZ1	550,000	538,597	97.8907	4.22%	1,845	538,399	(198)	0.010	08/15/27	A1	A	0.77%
HOME DEPOT INC 2.7 15-APR-2030 SENIOR	437076CB6	550,000	515,319	93.8573	4.48%	3,135	516,215	897	0.026	01/15/30	A2	A	0.74%
JOHN DEERE CAPITAL CORP 4.85 11-JUN-2029 SENIOR	24422EXT1	525,000	538,738	101.2669	4.39%	1,415	531,651	(7,087)	0.021	06/11/29	A1	A	0.76%
LOCKHEED MARTIN CORPORATION 4.4 15-AUG-2030 SENIOR	539830CL1	550,000	555,296	99.5424	4.52%	9,142	547,483	(7,813)	0.028	07/15/30	A2	A-	0.78%
LOEWS CORPORATION 3.2 15-MAY-2030 SENIOR	540424AT5	550,000	528,935	94.8873	4.66%	2,249	521,880	(7,055)	0.026	02/15/30	A3	A	0.74%
MERCK & CO INC 1.9 10-DEC-2028 SENIOR	58933YBD6	600,000	566,704	94.3686	4.35%	665	566,212	(492)	0.019	10/10/28	Aa3	A+	0.81%
META PLATFORMS INC 3.5 15-AUG-2027 SENIOR	30303M8G0	550,000	545,543	99.1674	4.26%	7,272	545,420	(123)	0.008	07/15/27	Aa3	AA-	0.78%
METLIFE INC 4.55 23-MAR-2030 SENIOR	59156RBZ0	550,000	558,321	100.1788	4.50%	6,812	550,983	(7,338)	0.026	12/23/29	A3	A-	0.79%
MORGAN STANLEY 4.13 18-OCT-2029 SRBN	61748UAK8	625,000	625,165	98.6272	4.71%	5,238	616,420	(8,745)	0.019	10/18/28	A1	A-	0.88%
PEPSICO INC 2.38 06-OCT-2026 SENIOR	713448DN5	450,000	447,368	99.5511	4.05%	2,523	447,980	612	0.002	10/06/26	A1	A	0.64%
PEPSICO INC 3.6 18-FEB-2028 SENIOR	713448FL7	125,000	123,775	98.9244	4.29%	1,663	123,655	(120)	0.003	01/18/28	A1	A+	0.18%
PFIZER INC 3.45 15-MAR-2029 SENIOR	717081ET6	575,000	562,229	97.6752	4.37%	5,841	561,632	(597)	0.020	12/15/28	A2	A	0.80%
PNC BANK NA 3.25 22-JAN-2028 SENIOR	69353RFJ2	550,000	539,778	98.2680	4.41%	7,895	540,474	695	0.011	12/22/27	A2	A	0.77%
PROCTER & GAMBLE CO 2.85 11-AUG-2027 SENIOR	742718EV7	575,000	566,894	98.5352	4.21%	6,373	566,577	(317)	0.009	08/11/27	Aa3	AA-	0.81%
PRUDENTIAL FINANCIAL INC 2.1 10-MAR-2030 SENIOR	74432QCG8	550,000	514,330	91.9819	4.48%	3,561	505,901	(8,429)	0.025	12/10/29	A3	A	0.72%
PUBLIC SERVICE ELECTRIC AND GAS CO 2.25 15-SEP-2026 SECURED	74456QBR6	300,000	298,718	99.5933	4.19%	1,988	298,780	62	0.001	09/15/26	A1	A	0.43%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - PFC Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
CORPORATE BONDS													
PUBLIC SERVICE ELECTRIC AND GAS CO 3.65 01-SEP-2028 LN1	74456QBX3	150,000	147,472	98.3863	4.44%	1,825	147,579	108	0.004	06/01/28	A1	A	0.21%
QUALCOMM INCORPORATED 1.3 20-MAY-2028 SENIOR	747525BN2	500,000	474,759	94.5156	4.36%	740	472,578	(2,181)	0.012	02/20/28	A2	A	0.67%
STATE STREET CORP 4.53 20-FEB-2029 SENIOR	857477CN1	550,000	555,816	99.9874	4.59%	9,066	549,931	(5,885)	0.012	02/20/28	Aa3	A	0.79%
TARGET CORPORATION 3.38 15-APR-2029 SENIOR	87612EBH8	550,000	534,933	97.3842	4.38%	3,919	535,613	680	0.020	01/15/29	A2	A	0.76%
UNION PACIFIC CORPORATION 3.7 01-MAR-2029 SENIOR	907818FB9	550,000	539,347	98.1898	4.42%	6,783	540,044	697	0.019	12/01/28	A3	A-	0.77%
UNITEDHEALTH GROUP INC 2.95 15-OCT-2027 SENIOR	91324PDE9	550,000	538,934	98.3020	4.31%	3,425	540,661	1,727	0.010	10/15/27	A2	A+	0.77%
US BANK NA 4.51 22-OCT-2027 SRP	90331HPP2	625,000	624,064	100.0336	4.36%	5,399	625,210	1,146	0.003	10/22/26	A2	A+	0.89%
WISCONSIN ELECTRIC POWER COMPANY 5.0 15-MAY-2029 SENIOR	976656CQ9	425,000	428,939	101.2703	4.52%	2,715	430,399	1,460	0.016	04/15/29	A2	A-	0.61%
TOTAL CORPORATE BONDS			19,066,773			181,522	18,993,853	(72,920)	0.565				27.11%
GOVERNMENTS													
FFCB 3.63 27-AUG-2027 UNSEC	3133ETVJ3	3,150,000	3,152,106	99.4186	4.14%	39,331	3,131,685	(20,421)	0.050	08/27/27	Aa1	AA+	4.47%
FFCB 3.75 09-APR-2029 SENIOR	3133EWKU3	1,600,000	1,595,221	98.8379	4.20%	13,667	1,581,406	(13,815)	0.058	04/09/29	Aa1	AA+	2.26%
FFCB 4.25 24-FEB-2028 UNSEC	3133ER4Q1	3,500,000	3,515,669	100.0529	4.21%	52,476	3,501,852	(13,818)	0.078	02/24/28	Aa1	AA+	5.00%
FFCB 4.5 07-JUN-2028 UNSEC	3133ERGL9	485,000	493,864	100.4999	4.23%	1,455	487,424	(6,439)	0.013	06/07/28	Aa1	AA+	0.70%
FHLB 1.88 11-SEP-2026 SENIOR	3130A8XY4	300,000	300,605	99.6194	3.80%	1,719	298,858	(1,747)	0.001	09/11/26	Aa1	AA+	0.43%
FHLB 2.13 11-DEC-2026 SENIOR	3130A9YY1	700,000	701,849	99.1565	4.04%	826	694,096	(7,753)	0.004	12/11/26	Aa1	AA+	0.99%
FHLB 4.0 10-MAR-2027 UNSEC	3130B5K64	1,500,000	1,501,227	99.9849	4.02%	18,500	1,499,773	(1,454)	0.014	03/10/27	Aa1	AA+	2.14%
FHLB 4.5 10-MAR-2028 SENIOR	3130ATS57	3,500,000	3,525,853	100.5290	4.17%	48,563	3,518,515	(7,337)	0.080	03/10/28	Aa1	AA+	5.02%
FHLB 4.75 08-DEC-2028 UNSEC	3130AXQK7	300,000	308,460	101.1451	4.25%	910	303,435	(5,025)	0.010	12/08/28	Aa1	AA+	0.43%
FHLMC REFERENCE NOTES 6.75 15-SEP-2029	3134A3U46	750,000	808,487	107.5845	4.20%	14,906	806,884	(1,603)	0.033	09/15/29	Aa1	AA+	1.15%

Source: Columbia Management Investment Advisers, LLC

Burbank Airport - PFC Fund

Portfolio holdings as of June 30, 2026

Base Currency: USD

SECURITY DESCRIPTION	CUSIP	SHARES/ PAR	COST	PRICE	EFF YIELD	ACC INCOME	MARKET VALUE	UNREALIZED GAIN/(LOSS)	CONT TO DUR	EFF MAT DATE	MOODY RATING	S&P RATING	% OF ASSETS
GOVERNMENTS													
FNMA BENCHMARK NOTES 7.13 15-JAN-2030	31359MFJ7	3,500,000	3,840,658	109.4671	4.22%	114,990	3,831,347	(9,311)	0.166	01/15/30	Aa1	AA+	5.47%
TOTAL GOVERNMENTS			19,743,999			307,343	19,655,276	(88,723)	0.507				28.06%
TREASURY NOTES													
TREASURY NOTE 0.5 30-JUN-2027 UNSEC	912828ZV5	4,000,000	3,874,520	96.5078	4.10%	54	3,860,312	(14,208)	0.054	06/30/27	Aa1	AA+	5.51%
TREASURY NOTE 0.63 31-MAR-2027 SENIOR	912828ZE3	3,750,000	3,666,077	97.5273	4.00%	5,891	3,657,275	(8,802)	0.038	03/31/27	Aa1	AA+	5.22%
TREASURY NOTE 1.38 31-OCT-2028 SENIOR	91282CDF5	4,000,000	3,770,639	93.8438	4.17%	9,266	3,753,750	(16,889)	0.121	10/31/28	Aa1	AA+	5.36%
TREASURY NOTE 2.0 15-NOV-2026 SENIOR	912828U24	2,100,000	2,087,896	99.2734	3.96%	5,364	2,084,742	(3,154)	0.011	11/15/26	Aa1	AA+	2.98%
TREASURY NOTE 2.38 31-MAR-2029 SENIOR	91282CEE7	4,000,000	3,841,160	95.3984	4.16%	23,880	3,815,938	(25,222)	0.142	03/31/29	Aa1	AA+	5.45%
TREASURY NOTE 4.25 15-JAN-2028 UNSEC	91282CMF5	4,000,000	4,021,520	100.1055	4.18%	78,425	4,004,219	(17,301)	0.083	01/15/28	Aa1	AA+	5.72%
TOTAL TREASURY NOTES			21,261,813			122,881	21,176,236	(85,576)	0.449				30.23%
TOTAL FIXED INCOME			60,072,584			611,746	59,825,365	(247,219)	1.521				85.40%
TOTAL PORTFOLIO			70,291,591			611,746	70,054,372	(247,219)	1.521				100.00%

Source: Columbia Management Investment Advisers, LLC

Appendix

Investment guidelines

Investment policy

Burbank-Glendale-Pasadena Airport Authority

This document identifies policies and procedures for the prudent and systematic investment policy to be followed by the Burbank-Glendale-Pasadena Airport Authority Treasurer in the exercise of the investment authority delegated to him/her. All of these policies and procedures are within the statutory guidelines provided for in State law.

The Investment Policy must be renewed annually. The Treasurer must present it in draft form to the Finance and Administration Committee for its review and approval prior to presentation to the Authority for its approval.

Investment manager

The Treasurer may utilize an Investment Manager in the investment management of the Authority's portfolio(s). The Investment Manager shall comply with the investment restrictions contained in Sections 53601, 53601.1, 53601.5 and 53601.6 of the California Government Code ("Government Code Provisions") and this Investment Policy. In the event the Investment Policy is more restrictive than the Government Code Provisions, the Investment Policy shall control. Further, the Investment Manager shall periodically, but no less than annually, advise the Treasurer and the Authority on recommended changes to the Investment Policy, including any required to bring the policy into compliance with the Government Code Provisions.

Basic policy and objectives

Three fundamental criteria shall be followed in the investment program (all investments and deposits). In order of importance they are:

1. Safety

Investments shall be made in a manner that seeks to ensure the preservation of principal and interest. The Treasurer will evaluate, or have evaluated each investment, seeking quality in issuer and in the underlying security or collateral. He/she will also diversify the portfolio to reduce loss exposure. In the investment of idle cash, the prudent man rule shall be followed. This rule states in essence, that when investing property for the benefit of another, a trustee shall exercise the judgment and care, under the circumstances then prevailing, which persons of prudence, discretion and intelligence exercise in the management of their own affairs, not for speculation, but for investment, considering the probable safety of their capital as well as the probable income to be derived. The Treasurer will remain within the policy maximums regarding asset allocation and maturity guidelines identified on Exhibit A.

2. Liquidity

To the extent possible, investments will be made whose maturities are compatible with cash flow and will allow for easy and rapid conversion into cash without any loss of value. The Treasurer's monthly report to the Authority is to include a comparison of the actual portfolio to the policy maximums shown on Exhibit A.

3. Yield

An acceptable rate of return on investments is desirable but only after first considering safety of principal and liquidity.

" **There is no guarantee that the investment objective will be achieved or that return expectations will be met.

Investment guidelines (continued)

Types of investments

1. U. S. Treasuries. These are investments in direct obligations of the U. S. Treasury.
2. U. S. Agencies. These are obligations of the Federal Home Loan Bank, Federal National Mortgage Association, Federal Farm Credit Bank, etc.
3. Time Deposits. Time deposits are to be placed in accordance with the California Government Code, in those banks and savings and loan associations which meet the requirements. Deposits must be either insured or secured by Government securities with a market value of at least 10% in excess of the total amount deposited or real estate mortgages with a value of at least 150% of the total amount deposited. The latest available quarterly financial statements will be evaluated to determine whether an institution meets all the capital levels required by the Financial Institutions Reform, Recovery and Enforcement Act of 1989 (FIRREA), which are also required by the Investment Manager prior to placing deposits.
4. Local Agency Investment Funds. This is a pool of funds managed by the State Treasurer's Office and includes only investments that meet the legal requirements.
5. Bankers Acceptances. Only those bankers acceptances eligible for purchase by the Federal Reserve System meet eligibility requirements.
6. Commercial Paper. Only commercial paper of prime quality of the highest ranking or of the highest letter and numerical rating as provided by Moody's Investors Service or Standard and Poor's may be purchased (A-1/P-1). To be eligible for purchase, commercial paper may not exceed 270 days maturity nor represent more than 10% of the outstanding paper of an issuing corporation. Purchases of commercial paper may not exceed 15% of each agency's surplus money which may be invested.
7. Repurchase Agreements. These are a purchase of securities (any of the investments authorized under the Government Code) pursuant to an

agreement by which the seller will repurchase such securities on or before a specified date, or on demand of either party, and for a specified amount.

- Money Market Funds. Funds will consist of U.S. Treasury securities only.
- Corporate Medium Term Notes. The Corporate Notes must be issued by corporations organized and operating within the United States or by depository institutions licensed by the United States or any state and operating within the United States that are rated A or better by a nationally recognized rating service (Government Code Section 53601(j)). Purchase requires approval of the Authority Director of Financial Services and the Treasurer.
- Negotiable Certificates of Deposit. These are negotiable investments evidencing a time deposit made with a bank at a fixed rate of interest for a fixed period of time. These investments are liquid and are traded in the market place. The long term rating of the issuing institution must be A or higher.

In the event a security is downgraded below the minimum authorized rating, the Investment Manager will notify the Airport Authority of the downgrade with a recommendation on the disposition of the security. The Airport Authority will provide written instructions to the Investment Manager regarding the disposition of a security that is below the minimum acceptable rating.

Maturity limitations

The Authority's weighted average maturity goal during any calendar year will be established based on the recommendations of the Investment Manager and may be reviewed and adjusted at any time based on the recommendations of the Investment Manager.

For purposes of this policy, the "A" category will include Standard & Poor's ratings of "A+", "A" and "A-"; Moody's Investor Services ratings of "A1", "A2" and "A3"; and Fitch Ratings of "A+", "A" and "A-".

" **There is no guarantee that the investment objective will be achieved or that return expectations will be met.

Investment guidelines (continued)

Purchase of securities/deposits

Transactions shall be made with reputable banks and brokers who are experienced, knowledgeable and offer service. Before placing deposits, comparisons of at least three eligible financial institutions shall be obtained. The brokers approved by the Investment Manager (Columbia Management Investment Advisers LLC) will be utilized.

Payment for securities and safekeeping

All securities purchased shall be delivered against payment (DVP), and held in safekeeping as evidenced by safekeeping receipts.

Portfolio diversification

To maintain a diversified portfolio, a maximum percentage limitation has been set for each type of investment. If an investment percentage-of-portfolio limitation were to be exceeded due to an incident, such as fluctuation in portfolio size, the affected investments may be held to maturity to avoid losses or if no loss is indicated, the Treasurer may reconstruct the portfolio if in his/her judgment it appears prudent, taking into consideration the expected length of time to bring the portfolio back into balance.

Investment resources

Information concerning investment opportunities and market developments will be gained by maintaining contact with the financial community and the media.

Cash management

Cash will be invested as close to 100% of collected funds as possible taking into consideration cash flow information given to the Treasurer.

Reporting requirements

The Treasurer shall annually submit to the Airport Authority a statement of investment policy.

The Treasurer shall submit a monthly report, that meets all Government Code requirements, to the Airport Authority showing the type of all investments, including any made and maturing between monthly reports, showing institution, date of maturity, amount of deposit or cost of security, current market value of all securities with a maturity of more than 12 months, rate of interest, statement relating the report to the Statement of Investment Policy, statement that there are sufficient funds to meet the next six months obligations, and such data as may be required by the Airport Authority.

Internal controls

A system of internal controls shall be established and documented in writing. The controls shall be designed to prevent losses of public funds arising from fraud, employee error, misrepresentation of third parties, unanticipated changes in financial markets, or imprudent actions by employees and officers of the Government Agency.

" **There is no guarantee that the investment objective will be achieved or that return expectations will be met.

Investment guidelines (continued)

Exhibit A: portfolio guidelines

Investments	Maximum Amount	Maximum Maturity
U.S. Agency Securities	70%	5 Years
Corporate Term Notes	30% ¹	5 Years
Local Agency Investment Fund	\$20 million	NA
Bankers Acceptances	15% ¹	6 Months
Non-negotiable Certificates of Deposit	15% ¹	5 Years
Negotiable Certificates of Deposit	15% ¹	5 Years
Commercial Paper	15% ¹	9 Months
Repurchase Agreements	10%	1 Year
Money Market Fund ²	20%	NA
U.S. Treasury Securities	No Limit	5 Years

¹ Maximum amount of any one issuer is 5%

² U.S. Treasury obligations only

" **There is no guarantee that the investment objective will be achieved or that return expectations will be met.

Disclosures



Past performance does not guarantee future results. Results are for the client's own account and are not composite results. Performance is based on time-weighted, daily calculation using values that are determined in good faith by Columbia Management Investment Advisers, LLC and is calculated based on trade date, net of transaction costs and reflects accrued interest. Gross performance does not reflect the deduction of management fees. The net performance reflects the deduction of management fees as of the most recent quarter end. If you have any questions regarding the above information, or if there are any changes in your investment objectives or guidelines, please contact your client relationship manager.

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