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Since 2008, the Board of County Commissioners has approved numerous network services agreements with government, education and non-profit organizations. These agreements provide access to the FLR network and commodity pricing for Internet access which reduces costs and increases network bandwidth for the County and all interconnected organizations. Such collaboration projects support the more efficient utilization of taxpayer-funded resources, which will allow the County to expand our WiMax network services within the western Delray Beach area where County network services are not currently present.

This proposed agreement with LWDD is one of many examples of shared services agreements that Palm Beach County has with non-profit organizations, local governments, tax districts, and educational institutions. A list of all existing ISS service agreements with external agencies is included as Attachment 2.

Interlocal Agreement

This Interlocal Agreement (“Agreement”) for information technology (“IT”) services is entered into this _____ day of _____, 2015, by and between the Lake Worth Drainage District, a Special Taxing District (“LWDD”) and Palm Beach County (“County”) a political subdivision of the State of Florida.

WITNESSETH THAT:

WHEREAS, Section 163.01, Florida Statutes, known as the “Florida Interlocal Cooperation Act of 1969,” authorizes local governments to make the most efficient use of their powers by enabling them to cooperate with other localities on a basis of mutual advantage and thereby to provide services and facilities that will harmonize geographic, economic, population and other factors influencing the needs and development of local communities; and

WHEREAS, Part I of Chapter 163, Florida Statutes, permits public agencies as defined herein to enter into Agreements with each other to jointly exercise any power, privilege, or authority which such agencies share in common and which each might exercise separately; and

WHEREAS, the LWDD and the County have recognized the need for the LWDD to obtain IT services (“IT”) for the purpose of gaining access to IT resources at a cost savings due to the ability of Palm Beach County to leverage its resources for the greater good of citizens of Palm Beach County, the State of Florida, and any public sector organization that can benefit from these services; and

WHEREAS, both parties, in an effort to maximize taxpayers dollars, wish to collaborate on the construction and sharing of conduits with no additional costs to the County or to the LWDD for the fiber optic connections within the LWDD facility; and

WHEREAS, in recognizing these facts, the LWDD and the County desire to enter into such an agreement which provides for the joint use of such IT assets and establishes policies for its use by each organization.

NOW, THEREFORE, in consideration of the mutual covenants herein contained and for other good and valuable consideration, the parties do mutually agree as follows:

Section 1 Purpose

The purpose of this Agreement is to provide IT services to the LWDD for the purposes described in the attached Exhibit A and Exhibit B.

Section 2 Approval

The County approves of the LWDD's participation in the use of the County's IT resources and any other services as specified in the attached Exhibit A and Exhibit B.

Section 3 Exhibits

The attached Exhibit A and Exhibit B made a part hereof, delineate the services to be provided to the LWDD by the County through its Information Systems Services (ISS) Department, identify the roles and responsibilities of the County and the LWDD in this regard, and set forth an issue, communication, escalation and resolution process, as well as methodologies for billing and paying the quarterly service charges for IT services.

Section 4 Term

The term of this Agreement including Exhibit A and Exhibit B, unless terminated as provided herein, is for a period of one (1) year. This Agreement and Exhibit A and Exhibit B shall automatically be renewed annually unless either party gives written notice of termination as provided for in Section 6 herein. The effective date is the date of approval by the Board of County Commissioners.

Section 5 Resale of IT Services

The LWDD shall not share or resell any portion of the County's IT Infrastructure or Services in any manner not approved of in this Agreement or without explicit written consent from Palm Beach County, which consent shall not be unreasonably withheld.

Section 6 Termination for Convenience

Either party may terminate its participation in this Agreement upon sixty (60) days written notice to the other party. Notwithstanding the foregoing, each party shall endeavor to provide the other party with as much advance notice as practicable if it contemplates that it might desire to terminate this Agreement, so as to allow the non-terminating party the maximum amount of time to make alternative plans to replace the lost services/revenue. In such event, the terminating party shall pay all sums due through the effective date of the termination.

Section 7 Indemnification and Hold Harmless

The LWDD and the County recognize their respective liability for certain tortious acts of its agents, officers, employees, and invitees, and agree to be responsible, respectively, for all claims, liability, losses, and/or causes of action that may arise from any negligent act or omission due to the acts of its agents, servants, or employees. Such liability is subject to the provisions of law, including the limits included in Section 768.28, Florida Statutes, which sets forth the partial waiver of sovereign immunity to which governmental entities are subject. It is expressly understood that this provision shall not be construed as a waiver of any right or defense that the parties have under Section 768.28 or any other statute.

The parties to this Agreement acknowledge the potential of unlawful hacking to gain surreptitious access into confidential systems. The County has deployed reasonable steps and safeguards as part of a Network security program, but these systems may not be able to defeat every attempt to gain unlawful access to applications or data. Each party is responsible for protecting its own applications, databases, and servers. Each party however shall review each other's security procedures and notify each other with reasonable promptness of concerns or issues regarding the same.

Section 8 Insurance

Insurance requirements are identified by the services obtained and are included in the Exhibit(s).

Section 9 Damage Caused by Disasters

Should the County's IT infrastructure be damaged or destroyed by a natural or man-made event to the extent that the cost to repair or replace these services becomes economically unfeasible, this Agreement is automatically terminated at the sole discretion of the County, unless the governing bodies of both the LWDD and County authorize its continuation and associated funding to repair or restore the affected area(s).

Section 10 Miscellaneous

No provision in this Agreement shall provide to any person not a party to this Agreement any remedy, claim, or cause of action, or create any third-party beneficiary rights against either party. In the event that any one or more of the provisions in this Agreement shall for any reason be held to have no force and effect, this Agreement shall, if possible, be interpreted in a manner so as to effectuate the intention of the parties. Provisions contained in this Agreement that, by their sense and context, are intended to survive the suspension or termination of this Agreement shall so survive. All disputes related to this Agreement shall in the first instance be referred to the appropriate executives of each party for resolution.

Section 11 Notice

Any notice, request, instruction, demand, consent, or other communication required or permitted to be given under this Agreement shall be in writing and shall be delivered either by hand or by certified mail, postage prepaid, and certified return receipt requested to the following addresses or such other addresses as the parties may provide to each other in writing:

To: Robert M. Brown, Executive Director
Lake Worth Drainage District
13081 S. Military Trail
Delray Beach, FL 33484
(Telephone: 561-498-5363)

With a copy to: Mark A. Perry, General Counsel
Lake Worth Drainage District
13081 S. Military Trail

Delray Beach, FL 33484
(Telephone: 561-498-5363)

To: **COUNTY:** Robert Weisman, County Administrator
c/o Steve Bordelon, Information Systems Services Director
Palm Beach County Board of County Commissioners
301 N. Olive Avenue, 8th floor
West Palm Beach, FL 33401
(Telephone: 561-355-2394)

With a copy to: County Attorney's Office
Palm Beach County Board of County Commissioners
301 N. Olive Avenue, Suite 601
West Palm Beach, FL 33401
(Telephone: 561-355-2225)

Section 12 Entire Agreement

This Agreement represents the entire agreement between the LWDD and the County and supersedes all prior agreements or representations, whether written or oral, with respect to the subject matter hereof. No provision of this Agreement may be changed or amended except by written agreement signed by both parties. This Agreement shall be binding upon the LWDD and the County and their respective successors and assigns.

Section 13 Filing

This Agreement shall be filed with the Palm Beach County Clerk & Comptroller's Office.

Section 14 Participation

This Agreement shall not be construed against the party who drafted the same as all parties to this Agreement have participated in drafting the same.

Section 15 Venue for Dispute Resolution

This Agreement shall be construed in accordance with the laws of the State of Florida. Should any litigation arise from this Agreement, venue shall lie in Palm Beach County, Florida.

Section 16 Binding Agreement

This Agreement is binding upon the parties hereto, their heirs, successors, and assigns.

Section 17 Subject to Funding

Each party's performance and obligations for subsequent fiscal years are contingent upon annual appropriations for its purpose.

Section 18 Nondiscrimination

Both parties warrant and represent that all of its employees are treated equally during employment without regard to race, color, religion, disability, sex, age, national origin, ancestry, marital status, familial status, sexual orientation, gender identity and expression, or genetic information.

Section 19 Access and Audits

The LWDD shall maintain adequate records to justify all charges, expenses, and costs incurred in estimating and performing any work under this Agreement for at least three (3) years after completion or termination of this Agreement. The County shall have access to such books, records, and documents as required in this section for the purpose of inspection or audit during normal business hours, at the LWDD's place of business.

Section 20 Inspector General

Failure to cooperate with the Inspector General or interference or impeding any investigation that applies specifically to this agreement, not LWDD generally, shall be in violation of Palm Beach County Code, Section 2-421 – 2-440, and punished pursuant to Section 125.69, Florida Statutes, in the same manner as a second degree misdemeanor.

Section 21 Regulations, Licensing Requirements

Agreement with Palm Beach County and the Lake Worth Drainage District

Re: Palm Beach County ISS Services

The LWDD shall comply with all laws, ordinances and regulations applicable to the services contemplated herein, to include those applicable to conflict of interest and collusion. The LWDD is presumed to be familiar with all federal, state and local laws, ordinances, codes and regulations that may in any way affect the services offered.

ATTEST:

Sharon R. Bock, Clerk & Comptroller

**Palm Beach County, By Its
Board of County Commissioners**

By: _____
Deputy Clerk

By: _____
Shelley Vana, Mayor

(SEAL)

**APPROVED AS TO FORM AND
LEGAL SUFFICIENCY**

**APPROVED AS TO TERMS AND
CONDITIONS**

By: Paul F. [Signature]
County Attorney

By: Steve Bordelon [Signature]
Steve Bordelon, Director, ISS

Lake Worth Drainage District, a Special Taxing District

ATTEST:

By: Robert M. Brown [Signature]
Robert M. Brown, Executive Director

**APPROVED AS TO FORM AND
LEGAL SUFFICIENCY**

By: Mark A. Perry [Signature]
Mark A. Perry, General Counsel

EXHIBIT A

PALM BEACH COUNTY INFORMATION SYSTEMS SERVICES NETWORK SERVICES

The purpose of this Exhibit is to delineate the network services to be provided to the Lake Worth Drainage District, a Special Taxing District (“LWDD”) by Palm Beach County ISS (“County”) to identify the roles and responsibilities of the County and the LWDD in this regard, to establish a problem resolution and issue escalation procedure, and to specify associated costs and payment requirements.

Section A: General Requirements for Network Services

Network services must be approved by both the County and the LWDD if said connection affects the entire network. However, all network services must meet the agreed-upon technical specifications.

The County shall provide the LWDD with access to the County’s network on a best-effort basis and as otherwise provided for herein.

Section B: Responsibilities for Network Management

The County shall be responsible for the routine, day-to-day management of the County network. Each party shall be responsible for day-to-day administration of the network routers which they individually own.

The County shall be responsible for maintaining the primary network and all auxiliary components of the network which exclusively serve County facilities. The County shall also maintain auxiliary portions of the network which service both County and LWDD owned facilities. The LWDD shall maintain that portion of its own network which exclusively serves its facilities.

The County shall monitor bandwidth utilization on any network link between the County and the LWDD.

Should the County perform repair and maintenance functions on behalf of the LWDD, it is with the understanding that the County's responsibility extends only to the LWDD "demarcation point." The demarcation point is the location which defines where issues of maintenance responsibilities begin and end, considered to be County-owned network equipment inside each of the LWDD's buildings or facilities connected to the County network. The County will be responsible for maintaining all network infrastructures to the point of the network equipment connection to the LWDD demarcation point(s). Entrance facilities at LWDD owned locations from the road to demarcation point belong to the LWDD, whereas the fiber within may belong to the County.

Maintenance and restoration work provided by the County shall be limited to the fiber optic cable and service drops, the individual fibers within the cable and service drops, all 802.16 radio equipment, and the County routers installed at the LWDD. The County shall have no obligation or right to perform maintenance or restoration on any electronics or other equipment owned by the LWDD or any third party. Notwithstanding the foregoing, should the need arise for maintenance or restoration, the parties hereto may agree to an amendment to this Agreement permitting The County to perform maintenance or restoration on LWDD owned electronics or other equipment.

The County shall provide maintenance to County owned and operated equipment on a 7-day/24-hour basis and may contract for repair services when deemed necessary. The County shall abide by agreed upon security requirements of the LWDD. In the event that an outside contractor is needed, the County shall select, supervise, and coordinate with the contractor to complete the repair.

Section C: Network Equipment Ownership

The County, as represented by the County, shall own all of its network equipment and assets. The LWDD shall continue to maintain ownership of its current network assets. Only the County is permitted to connect, expand, or otherwise routinely modify its network components. Furthermore, any and all technological changes relative to the network will be implemented at the discretion of the County. Notwithstanding the foregoing, the County agrees to use its best efforts to keep pace with technological changes.

Should the LWDD receive grant funds to assist with the construction or maintenance of the network, any provisions, limitations, or restrictions associated with the grant(s) shall not affect or apply to the County, and vice versa.

Section D: Network Connection

The LWDD will be provided with a connection to the Palm Beach County fiber network to meet the network service requirements as specified in this Exhibit. The LWDD shall pay the installation charges and monthly charges as set forth in this Exhibit.

Section E: Modifications to Network

If either party proposes a modification of network or fiber optic cable within shared conduits, or connection of a new building to the network, it shall notify and submit any applicable construction documents to the other party at least thirty (30) calendar days prior to the date construction activities are expected to commence. Should the planned activities require the other party to upgrade its network, the requesting party shall be solely responsible for payment of all costs associated with such modifications, unless there is prior agreement between the County and the LWDD to participate in a cost-sharing arrangement for the modification.

Either party shall review the modification proposals as soon as practicable and will render recommendations with regard to the proposed modification.

Due to the sharing of conduits, any modifications or connections to the network that may cause disruption or interference of service to any network users shall be coordinated with the appropriate technical staff of both the LWDD and the County. The County and the LWDD agree to perform such work at a time and in a manner to minimize disruption and interference to the network users.

When either the LWDD or the County enters into a contract with an outside contractor for network-related services which benefit only that party, the contracting party shall be individually responsible for remitting payment to the contractor performing work on the network, and the non-contracting party shall not be responsible or held liable for such payment. However, proposed changes to the network must be communicated in writing to the County for review and approval. The parties however agree to comply with network security provisions.

Section F: Network Interferences

The County shall have no requirement to purchase, install, operate, or maintain any equipment on the premises of the LWDD. However, should any equipment owned by the LWDD render any harmful interference to the County's network equipment, the County may disconnect any or all LWDD owned network connections after informing the LWDD's designated technical Point of Contact (POC) of the underlying reasons for the planned action to disconnect network facilities. Immediate efforts will focus on attempting to resolve or remove the threat conditions. The County shall be the sole party to determine if harmful interference has impacted the County network. The County will utilize its best efforts to prevent any unanticipated network outages should interferences be noted.

Section G: Damage Caused by Disasters

Should the network sustain damage to an Auxiliary Route used only by either the LWDD or the County, the owning party shall determine if the cable will be repaired or replaced.

Section H: Network Security

The parties to this Exhibit acknowledge the potential of unlawful hacking to gain surreptitious access into confidential systems. The County has implemented reasonable steps and safeguards as part of a network security program, but these systems may not be able to defeat every attempt to gain unlawful access to applications or data. Each party is responsible for protecting its own applications, databases, and servers. Each party, however, shall review each other's security procedures and notify each other with reasonable promptness of concerns or issues regarding the same.

Section I: Description of Services

A. Baseline services from the County through the County will include:

1. design, construct and maintain the fiber optic cable;
2. manage the construction contractor and all permitting;
3. ongoing maintenance of connectivity to the demarcation point(s);

4. central network security at the County router port that feeds the LWDD network router connection;

If necessary, security may shut down the LWDD's entire building feed to protect the networked systems from computer worms and viruses.

5. network design;
6. acquisition and management of network assets;
7. installation or relocation of network connections, wiring upgrades, installation of bandwidth upgrades, or other specialized services;
8. network equipment installation and maintenance;
9. network security on County side of the demarcation point;
10. monitoring of network performance;
11. trouble reporting and tracking;
12. maintenance of the environmental factors in the County's facilities and closets housing equipment crucial to the health and stability of the Network, including air conditioning, power conditioning, and UPS equipment; and
13. disaster recovery protection, system reliability, and stability during power outages.

B. LWDD Responsibilities will include:

1. provide sharing of LWDD conduit(s) within property to Tower(s);
2. will issue right-of-way utilization permits, if required, for the County to design and construct, at the County's expense, a fiber optic link to LWDD;
3. provide the County rights to pull fiber through existing conduit(s) to LWDD Tower(s);
4. all intra-building Network maintenance and security ;
5. ensuring that back-door connectivity behind the building router is prohibited;
6. provisioning of its Dynamic Host Configuration Protocol (DHCP) services;
7. building infrastructure connectivity;
8. all grid (jack), wiring identification, and tracking for LWDD owned facilities;
9. providing, where possible, network engineers or technicians to assist with all portions of network equipment attachments, from provisioning to troubleshooting;

Initial diagnostic actions will ideally be performed by the LWDD technical staff to evaluate whether the cause of any system problem is associated with factors under the control of the LWDD.

10. ensuring that network security hardware and software is installed in order to minimize the risk of a virus and surreptitious or otherwise inappropriate network entry;

The LWDD will ensure that security procedures, hardware, and software are in place to prevent unauthorized access to the County network from LWDD owned network property.

11. requesting changes in network equipment attachments services;

Requests for changes shall be submitted to ISS Director, or designee, for action. The LWDD shall be advised of the disposition of the request within thirty (30) calendar days of submission. Such request shall include extension of network services to additional sites identified by the LWDD. The LWDD shall be responsible for all reasonable costs associated with requested changes to network services approved by the County, which approval shall not be unreasonably withheld.

12. providing, at its expense, the following equipment and facilities at each LWDD owned building (if required):

- an environmentally stable and secure area large enough to accommodate a 19"-wide rack with a height up to 7 feet; and

This area shall contain two (2) dedicated electrical circuits for providing power to the switching equipment.

- air conditioning units which deliver a capacity of BTUs to the equipment room as specified by the manufacturer of equipment installed at the LWDD's site.

The LWDD shall periodically monitor the air conditioning units to ensure temperatures are within acceptable limits.

13. adhering to a documented plan of security strategies deployed to prevent unauthorized access into the physical location(s) where network access could be gained, and ensuring that it has robust and efficient security software and procedures in place to prevent unauthorized access to the network; and

14. promptly paying for the County's charges, such charges being set out in Section N of this Exhibit, which charges will be invoiced quarterly.

Section J: Availability of County Network Services

The County will provide the LWDD with access to the County network on a best-effort basis. The County's goal will be to provide 99.9% availability. The County reserves the right to prioritize its maintenance and recovery efforts, while at the same time providing availability to the LWDD.

In the event that Network availability is documented by the County and declared by the LWDD to be less than 99.9% for two (2) consecutive months, the LWDD shall not be liable for service charges beyond the date of said declaration of non-performance until service is satisfactorily restored. The reduction of previously paid or dismissal of unpaid service fees will be calculated on a pro-rata basis.

Section K: Protocol for Reporting Network Service Problems

All service issues should first be reported to the LWDD's IT support staff. If the LWDD's initial diagnosis of the reported problem indicates that it is related to network connectivity (e.g., connection lost, slow response time) rather than a problem at the application, server, or desktop computer level, the IT technician should immediately report the service problem to the County Network Operations Center at 561-355-HELP (4357). All service problems reported by the LWDD will be recorded and tracked in the County's Automated Help Desk System until problem resolution and service restoration. Response time service levels are established at the time the call is reported based on the severity of the issue. The service level target for problem diagnosis and response to the LWDD is within one (1) hour of the reported problem. The County also employs an escalation process for problems which are not resolved according to the established standards.

Section L: Access for Network Service and Maintenance

The County shall coordinate with and obtain prior written approval from the LWDD designee as to the time of any planned maintenance, repair, or installation work. However, the LWDD shall provide the County with access to its equipment on a 24-hour/7-day per week basis. During

normal business hours, the County shall ensure that all the County personnel or contractors representing the County sign in prior to commencing any work, and sign out prior to leaving the facility. On weekends, holidays, or after normal business hours, the County's representative shall call the LWDD to report any emergency that requires access to any LWDD owned facility. The LWDD shall make reasonable efforts to arrange for access of the County's personnel as quickly as possible. The County shall supply the LWDD with a list of authorized the County employees who will carry in their possession badges for identification purposes.

The County represents that it has verified that neither the County nor the County's contractors, nor any of their respective employees, agents, or representatives who have been convicted or who are currently under investigation for a crime delineated in Florida Statutes §435.04 shall have access to LWDD owned buildings under the Agreement.

Section M: Issue Escalation Contacts

Palm Beach County ISS

Palm Beach County 24x7 Network Services Help Desk: 561-355-HELP (4357)

Michael Butler, Director of ISS Network Services
561-355-4601 (office)
561-722-0850 (cell)

Phil Davidson, Deputy Director of ISS
561-355-3956 (office)
561-722-3349 (cell)

Steve Bordelon, Director of ISS
561-355-2394 (office)
561-386-6239 (cell)

LWDD Information Services

Juan Tobar, IT Manager
561-819-5576 (office)
561-389-6878 (cell)

Reagan Walker, Administration Services Director
561-818-5573 (office)
561-707-4237 (cell)

Section N: Fees and Charges for Network Connectivity and Related Services

One of the goals of this Agreement is to establish the lowest competitive pricing for the County's network services provided to the LWDD.

The County will serve as project manager and incur all costs associated with the installation and connection of the network and network equipment at the LWDD's building. The LWDD will be responsible for reimbursement to the County of said costs, as listed and described in the Table below under "Installation Charges".

Service charges, as listed and described in the Table below, will be assessed on a monthly basis, and the County will invoice the LWDD quarterly.

LWDD Network Service and Billing Matrix						
Location	Service Start Date	Band-width	Installation Charges	Monthly County Charges	Monthly FL LambdaRail Charges	Yearly Charges (excl. Install)
13081 S Military Trail, Delray Beach, FL 33484	9/1/2015	250Mb	\$0	\$0	\$100	\$1,200
TOTALS			\$0	\$0	\$100	\$1,200
<p><u>Explanation of Charges:</u></p> <p><u>Installation Charges</u> – No installation charges due from LWDD.</p> <p><u>Monthly County Charges</u> – No monthly charges due from LWDD in exchange for shared services of County presence on their Tower(s) for providing WiMax network services to other County & external agencies within area of site(s) as described in Exhibit B, attached hereto, for Antenna Placements.</p> <p><u>Monthly Florida LambdaRail (FLR) Charges</u> – FLR charges the County this fee to connect the LWDD to the FLR via PBCnet. This fee is set by the agreement between the County and the FLR and is subject to change. This fee is a direct pass through cost to the LWDD (see Sub-section N1. - Cost Components below).</p> <p><u>Yearly Charges</u> – The total annual recurring charges, excluding installation charges, paid by the LWDD.</p>						

The County has received approvals from the FLR for the LWDD to be connected to the Palm Beach County fiber network and gain access to the FLR for either internet or transport purposes.

N1. Cost Components

The monthly FLR fee identified above includes direct costs incurred by the County to connect to the FLR. In the event the Board of Directors of the FLR implement a pricing change, the County agrees to review the financial impact and make appropriate rate adjustments.

N2. Billing and Payment

The County shall submit quarterly invoices to the LWDD which shall include a reference to this Agreement and identify the amount due and payable to the County. Payment will be made in accordance with the Florida Local Government Prompt Payment Act, as amended, which also establishes a process and remedies for non-compliance.

Section O: Additional IT Services

Upon request for assistance, the ISS Director may, at the Director's discretion, permit staff resources to assist the LWDD in the execution of certain information technology responsibilities. These additional services can be requested by submitting a Task Order (Attachment 1). These services will be charged at the rate of \$125/hour with a not-to-exceed cost of \$50,000 per Task Order. These services may also require the purchase of additional resources, including but not limited to hardware and software. The LWDD is responsible for all associated costs for these additional resources. An estimate for each Task Order will be available upon request by the LWDD. The LWDD agrees to fully reimburse the County for all costs associated with the rendering of the County staff assistance and/or information technology resources. If the cost of services exceeds \$50,000, the Task Order shall be approved by the Board of County Commissioners.

Section P: Annual Review of Fees and Charges

The County reserves the right to review the fees and charges included in this Exhibit on a yearly basis and make appropriate rate adjustments. Should an adjustment be warranted, sixty (60) days notice will be provided. Any such rate adjustments shall be reduced to writing via an Amendment to be executed by all parties.

Section Q: Insurance

This section does not apply to Network Services.



Attachment 1
Palm Beach County
Information Systems Services
Task Order < \$50,000

Task Order #:

Original Agreement #R:

Organization requesting services: Lake Worth Drainage District

Type of Service:

Location of Service:

Contact Name:

Contact Phone:

Contact eMail:

Requested Date for Completion:

Description of Service/Deliverables +/-

Estimated Amount:

ISS Project Manager/Director: _____ Date: _____
Name/Title

Project Office: _____ Date: _____
Name/Title

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

By: Steve Bordelon, Director, ISS

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

LAKE WORTH DRAINAGE DISTRICT

COUNTY ATTORNEY

Name, Title

EXHIBIT B

PALM BEACH COUNTY INFORMATION SYSTEMS SERVICES ANTENNA PLACEMENTS

The purpose of this Exhibit is to delineate the activities associated with antenna placements by Palm Beach County ISS ("County") on the Lake Worth Drainage District, a Special Taxing District ("LWDD") communication tower located at its Delray Beach location in order to support LWDD and County WiMax projects, to identify the roles and responsibilities of the County and the LWDD in this regard, to establish a problem resolution and issue escalation procedure, and to specify associated costs and payment requirements.

Section A: County and LWDD Responsibilities

1. The LWDD shall allow the County's ISS Department access to the tower, as described in Section C of this Exhibit, in order to place a ring of antenna(s), described in Appendix A, attached hereto, on the tower at a height between 280 feet and 300 feet.
2. ISS shall install the antenna(s) to the tower at no cost to the LWDD. The County shall pay for any and all maintenance and repair costs for the antenna(s), and the LWDD shall pay for the daily utility cost incurred by the antenna(s).
3. The County agrees that it shall immediately cease operation of its antenna(s) if the LWDD, at its sole discretion, requests the County to do so due to interference issues with the LWDD's network or interference with any other network where the provider is already located on the tower.

Section B: Issue Escalation Contacts

Palm Beach County ISS

Palm Beach County 24x7 Network Services Help Desk: 561-355- HELP (4357)

Michael Butler, Director of ISS Network Services
561-355-4601 (office)
561-722-0850 (cell)

Phil Davidson, Deputy Director of ISS
561-355-3956 (office)
561-722-3349 (cell)

Agreement with Palm Beach County and the Lake Worth Drainage District

Re: Antenna Placements on the LWDD Tower

Steve Bordelon, Director of ISS
561-355-2394 (office)
561-386-6239 (cell)

LWDD Information Services

Juan Tobar, IT Manager
561-819-5576 (office)
561-389-6878 (cell)

Reagan Walker, Administration Services Director
561-818-5573 (office)
561-707-4237 (cell)

Section C: Area Subject to Agreement

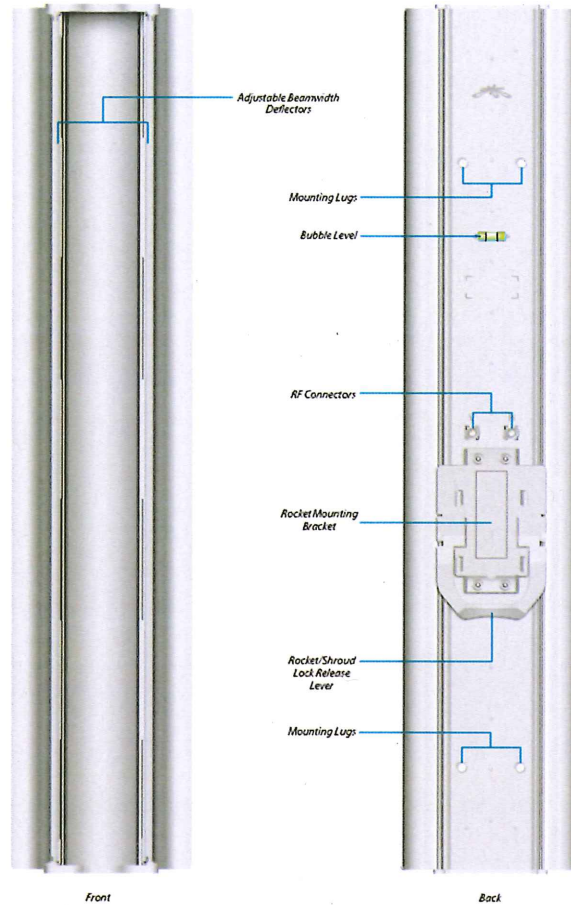
The terms of this Exhibit shall apply to the communications tower located at the LWDD office at 13081 S Military Trail, Delray Beach, FL 33484 with an effective date of September 1, 2015.

Section D: Additional Antenna Placements

Upon mutual agreement by the parties to this Agreement, and under the same terms and conditions outlined in this Exhibit, additional antennas may be placed on other LWDD towers. These additional antenna placements can be requested by submitting a Task Order (Attachment 1). An estimate of the costs for each Task Order will be available upon request by the LWDD.

APPENDIX A

Model: AM-V5G-Ti



Model: AM-V5G-Ti	
Dimensions	721 x 149.1 x 75.7 mm
Weight	3.72 kg (with Brackets)
Frequency Range	5.45 - 5.85 GHz
Beamwidth Angles	60°/ 90°/ 120°
Gain (Beamwidth Dependent)	21 dBi @ 60° 20 dBi @ 90° 19 dBi @ 120°
Elevation Beamwidth	4°
Electrical Downtilt	2°
Wind Survivability	125 mph
Wind Loading	37 lbs @ 120 mph
Polarization	Dual Linear
Cross-Pol Isolation	25 dB Typical
Front-to-Back Ratio	30 dB Typical
Max. VSWR	1.5:1
RF Connectors	2 RP-SMA Connectors (Weatherproof)
Compatible Radios	RocketM5 Titanium RocketM5 GPS RocketM5
Mounting	Pole Mount (Kit Included)
ETSI Specification	EN 302 326 DN2
Certifications	CE, FCC, IC

Agreement with Palm Beach County and the Lake Worth Drainage District

Re: Antenna Placements on the LWDD Tower

Model: R5AC-Lite

Specifications

R5AC-Lite Physical / Electrical / Environmental Information	
Dimensions	162 x 84 x 37 mm (6.38 x 3.31 x 1.46")
Weight	250 g (8.81 oz)
Enclosure Characteristics	Outdoor UV Stabilized Plastic
Processor	MIPS 74Kc
Memory	128 MB DDR2 SDRAM, 16 MB NOR FLASH
Networking Interface	(1) 10/100/1000 Mbps
RF Connections	(2) RP-SMA (Waterproof)
LEDs	Power, Ethernet, (4) Signal Strength
Max. Power Consumption	8.5W
Power Supply	24V, 0.5A Gigabit PoE Adapter
Power Method	Passive PoE (Pairs 4, 5+, 7, 8 Return)
ESD/EMP Protection	± 24KV Air / Contact
Operating Temperature	-40 to 80° C (-40 to 176° F)
Operating Humidity	5 to 95% Noncondensing
Shock and Vibration	ETS1300-019-1.4

R5AC-Lite Software Information	
Modes	Access Point, Station
Services	Web Server, SNMP, SSH Server, Telnet, Ping Watchdog, DHCP, NAT, Bridging, Routing
Utilities	Antenna Alignment Tool, Discovery Utility, Site Survey, Ping, Traceroute, Speed Test
Distance Adjustment	Dynamic Ack and Ackless Mode
Power Adjustment	Software Adjustable UI or CLI
Security	WPA2 AES Only
QoS	Supports Packet Level Classification WMM and User Customer Level: High/Medium/Low
Statistical Reporting	Up Time, Packet Errors, Data Rates, Wireless Distance, Ethernet Link Rate
Other	Remote Reset Support, Software Enabled/Disabled, VLAN Support, 256QAM, 20/40/50/60/80 MHz Channel Width Support
Ubiquiti Specific Features	50 MHz Channels, airMAX Mode, Traffic Shaping with Burst Support, Discovery Protocol, Frequency Band Offset, Ackless Mode

R5AC-Lite Compliance	
Wireless Approvals	FCC, IC, CE
RoHS Compliance	Yes

R5AC-Lite Operating Frequency							
Operating Frequency				Worldwide: 5150 - 5675 MHz USA: 5725 - 5850 MHz			
Output Power				27 dBm			
TX Power Specifications				RX Power Specifications			
Modulation	Data Rate	Avg. TX	Tolerance	Modulation	Data Rate	Sensitivity	Tolerance
802.11n	6 - 24 Mbps	27 dBm	± 2 dB	802.11n	6 - 24 Mbps	-94 dBm Min.	± 2 dB
	36 Mbps	27 dBm	± 2 dB		36 Mbps	-80 dBm	± 2 dB
	48 Mbps	26 dBm	± 2 dB		48 Mbps	-77 dBm	± 2 dB
	54 Mbps	25 dBm	± 2 dB		54 Mbps	-75 dBm	± 2 dB
802.11n/ac	MCS0	27 dBm	± 2 dB	802.11n/ac	MCS0	-96 dBm	± 2 dB
	MCS1	27 dBm	± 2 dB		MCS1	-95 dBm	± 2 dB
	MCS2	27 dBm	± 2 dB		MCS2	-92 dBm	± 2 dB
	MCS3	27 dBm	± 2 dB		MCS3	-90 dBm	± 2 dB
	MCS4	27 dBm	± 2 dB		MCS4	-86 dBm	± 2 dB
	MCS5	27 dBm	± 2 dB		MCS5	-83 dBm	± 2 dB
	MCS6	26 dBm	± 2 dB		MCS6	-77 dBm	± 2 dB
	MCS7	25 dBm	± 2 dB		MCS7	-74 dBm	± 2 dB
	MCS8	23 dBm	± 2 dB		MCS8	-69 dBm	± 2 dB
MCS9	22 dBm	± 2 dB	MCS9	-65 dBm	± 2 dB		





Attachment 1
Palm Beach County
Information Systems Services
Task Order < \$50,000

Task Order #:

Original Agreement #R:

Organization requesting services: Lake Worth Drainage District

Type of Service:

Location of Service:

Contact Name:

Contact Phone:

Contact eMail:

Requested Date for Completion:

Description of Service/Deliverables +/-

Estimated Amount:

ISS Project Manager/Director: _____ Date: _____
Name/Title

Project Office: _____ Date: _____
Name/Title

PALM BEACH COUNTY
BOARD OF COUNTY COMMISSIONERS

By: Steve Bordelon, Director, ISS

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY

LAKE WORTH DRAINAGE DISTRICT

COUNTY ATTORNEY

Name, Title

ISS Service Agreements with External Agencies
(May 2015)

Municipalities

1. Boynton Beach
2. Delray Beach
3. Greenacres
4. Juno Beach
5. Jupiter Beach
6. Lake Worth
7. Lantana
8. Palm Beach
9. Palm Beach Gardens
10. Riviera Beach
11. Village of Golf
12. Village of Royal Palm Beach
13. West Palm Beach

Educational Institutions

1. Early Learning Coalition
2. Florida Atlantic University
3. Lake Worth Christian School
4. Learning Excellence (Imagine) School
5. Oxbridge Academy
6. Palm Beach State College
7. School Board of Palm Beach County

Non-Profit Organizations

1. Alzheimer's Community Care
2. ARC of Palm Beach County
3. Boca Raton Regional Hospital
4. Center for Family Services
5. Families First of PBC
6. Jewish Federation of Palm Beach County
7. Kravis Center
8. Lupus Foundation of America
9. Lutheran Services Florida
10. Nonprofits First
11. Prime Time
12. South Florida Fair
13. Workforce Alliance

Other Taxing Authorities

1. Children's Services Council
2. Health Care District
3. Loxahatchee River Environmental Control District
4. Seacoast Utility Authority
5. South Florida Water Management District