

Board of Zoning Adjustment
District of Columbia
CASE NO.16753
EXHIBIT NO.72A2

August 30, 2001

Commissioner, Roscoe Grant, Jr.
Chairman
Naylor Dupont Advisory Neighborhood Commission 7B
3200 G Street S.E.
Washington, D.C. 20020

Commissioner Grant:

Thank you for a copy of your letter to Mr. William Jones notifying him of ANC 7B's vote in favor of the application (BZA Application No. 16753) for a proposed monopole at the Penn-Branch Shopping Center located at 3200 Pennsylvania Avenue. I appreciate your leadership in bringing about the ANC's consideration of our application and this successful vote. This vote attests to ANC 7B commissioners' support for dependable cellular telecommunications services for Ward 7.

You mention in your letter that at the ANC 7B's August 18, 2001 meeting, several concerns were raised regarding development aspects of the monopole. I would like to provide SBA Properties, Inc.'s (SBA) response to those concerns.

1. How many parking spaces would become unavailable if the monopole were installed?
The construction of the proposed monopole will not impact the current parking spaces established within the Penn-Branch Shopping Center's parking lot.

2. How many carriers' antennae would be on the monopole?
SBA proposes to construct a monopole that can accommodate a minimum of three (3) wireless telecommunication carriers.

3. What will be the distance between the base of the nearest residential properties?
The telecommunications facility that will incorporate the monopole and equipment shelters will be constructed completely within an open space area sited between the existing wall and the property line (see attached site plan). Additionally, the facility will be enclosed with an eight-foot high wooden fence and landscaped buffering will be provided between the facility and the adjacent residential properties. The distance between the base of the proposed monopole and the nearest residential property will be approximately seventy-nine (79) feet.

4. If the application is approved what is the proposed date for installation?
Construction on a site typically begins within one (1) month after the issuance of a building permit.

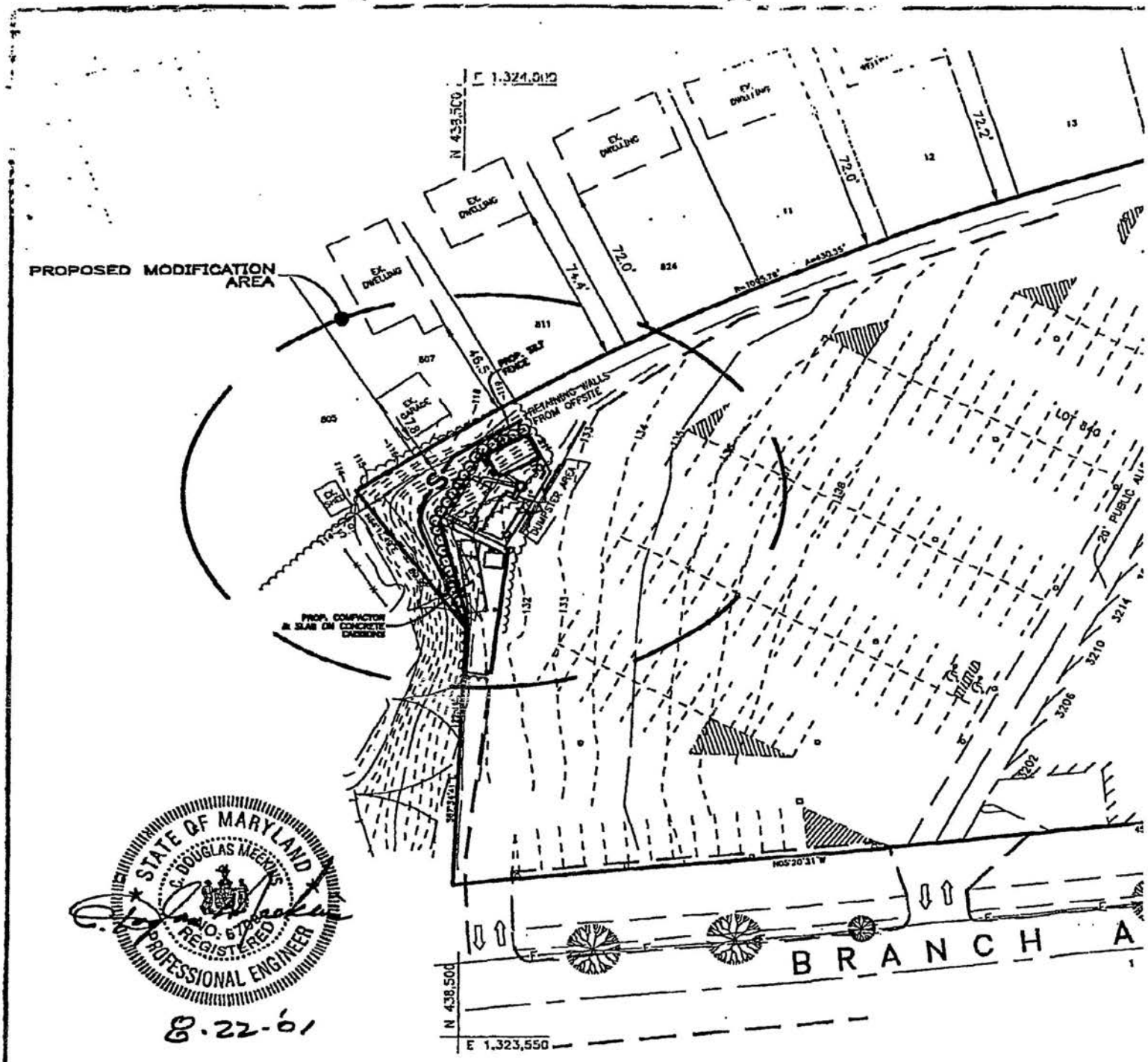
If we can be of further assistance, please call me at (301) 731-5755.

Sincerely yours,

Carlton W. Gilbert
SBA Properties, Inc.

cc: William L. Jones
Sheila Cross Reid, chair BZA

SBA, Inc. ■ 8401 Corporate Drive ■ Suite 560 ■ Landover, MD 20785 ■ (301) 731-5755 Fax (301) 731-3955 ■ www.sbasite.com



STATE OF MARYLAND
C. DOUGLAS MEEKINS
NO. 6708
REGISTERED
PROFESSIONAL ENGINEER

8.22.01

SITE

60'

SCAL

NOTE: "ALL PLANS ARE TO BE USED FOR PERMITTING PURPOSES ONLY. NOT TO BE USED FOR CONSTRUCTION"

OWNER INITIALS_____

C. D. MEEKINS & ASSOCIATES, INC.
CONSULTING ENGINEERS & SURVEYORS
159 MAIN STREET SECOND FLOOR, P.O. BOX 2151
ANNAPOLIS, MARYLAND 21404-2151
PHONE: 410-267-0744

NO.	REVISIONS	BY	DATE
1.	AS REQUESTED	A.V.B.	5/18
2.	AS REQUESTED	A.V.B.	5/22

SBA PROPERTIES, INC.
PROJECT #9415

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DCHA
District of Columbia
Hospital Association

1250 Eye Street, NW • Suite 700 • Washington, DC 20005-3930
Tel: 202/289-4926 • Fax: 202/288-1915 • E-mail: rmalson@dcha.org • Web: www.dcha.org

Robert A. Malson
President

April 4, 2001

The Honorable Anthony A. Williams
Mayor District of Columbia
441 Fourth Street, NW, Suite 1100
Washington, DC 20001

Re: The Application of SBA Networks, Inc. to Establish Telecommunications Facilities in Southeast Washington, DC

Dear Mr. Mayor:

The District of Columbia Hospital Association is vitally concerned about the total health care system in the District of Columbia. Our hospitals are very much aware of the importance of emergency health care and the need for immediate attention where there is acute illness, trauma, natural disasters, and societal tragedies. Our physicians are quite aware that the first hour of care after an incident, many times, is the most important opportunity for life saving treatment. For this to happen, immediate treatment and transportation have to be reached in the most expeditious manner possible. Increasingly, we are finding that communications transmissions by wireless telephones or cell phones are being used to achieve the fastest response.

I understand that SBA Network Services, Inc. is submitting an application to the Board of Zoning Adjustment for a variance to construct a telecommunications facility in the Penn-Branch Shopping Center to provide wireless communication in Ft. Dupont Park, along the Pennsylvania and Branch Avenue corridors, and other areas currently lacking reliable service. I live in the District and I know that there are picnic areas and places for people to assemble in Ft. Dupont Park and that there are no pay telephones or wireless reception in the area. In addition, I understand that police traffic analyses indicate that every day nearly 90,000 people travel the Pennsylvania and Branch Avenue corridors and that every year there are hundreds of accidents, emergencies and injuries in the park and no way to communicate quickly with emergency medical personnel last year.

I understand that EMS personnel providing ambulance services to DC General Hospital and Greater Southeast Community Hospital report that they cannot communicate with these hospitals from this area to describe a patient's condition while enroute to the hospital emergency room.

06/21/2001 11:41 2025290224 ROBINSON ASSOCIATES PAGE 02

Further, I understand that this application poses no environmental or health risk. Moreover, the applicant has provided for co-location to reduce the need for additional facilities in the future.

I am writing to express support for increased wireless communication coverage to protect public health. People need the ability to call for health care or police services in cases of emergency. Every minute that passes after an untreated incident decreases the likelihood that medical treatment can be effective.

For the reasons expressed herein, we hope that the Board of Zoning will approve the telecommunications facility in Penn-Branch Shopping Center. I urge your support for this application to improve telecommunications services for Southeast Washington and to move the area toward more effective health care services.

Sincerely,

Robert A. Malson
President

cc: Sheila Cross Reid, Board of Zoning Adjustment
Councilmember Kevin Chavous

bcc: Sharon Robinson
Robinson Associates

RURAL METO AMBULANCE
5000 Frolich Lane
Tuxedo, Maryland 20781

May 17, 2001

The Honorable Anthony A. Williams
Mayor District of Columbia
441 Fourth Street, NW, Suite 1100
Washington, DC 20001

Dear Mayor Williams:

The ability to communicate effectively during patient transport is critical to providing quality medical services. While engaged in patient ambulance transport to Greater Southeast Hospital, we use dispatch telecommunications for call pick-up and cellular telephones to relate patient condition. Our ability to communicate patient condition information from the ambulance to medical personnel in the hospital is critical to quality patient care.

Unfortunately, there are areas in the Pennsylvania and Branch Avenue corridor where cellular telecommunication simply is not dependable. Calls between ambulance and hospital personnel are regularly lost and this compromises the patient care process. It is for this reason, that we urge your support for SBA Network Services, Inc.'s proposal to improve telecommunications services for southeast Washington. SBA proposes building telecommunications facilities in Penn-Branch Shopping Center to establish dependable telecommunications reception along the Pennsylvania and Branch Avenue corridor, the neighborhood and Ft. Dupont Park.

We need to be able to dependably communicate with the hospital to describe a patient's condition while in route to the hospital room. We join the Road Runners Club of America, DC ambulance service providers, African Americans with Physical Disabilities, members of the Metropolitan Police Department, and a host of health care organizations in urging your support for SBA's telecommunications facility in Penn-Branch Shopping Center. Dependable telecommunications services will enhance our ability to adequately serve patients.

Sincerely,

James Carter
Operations Manager

cc: Sheila Cross Reid, Board of Zoning Adjustment
Councilmember Chavous

AFRICAN AMERICANS WITH PHYSICAL CHALLENGES
19 Dunbar Place
Catonsville, MD 21228

April 2, 2001

Mayor Anthony Williams
Government of the District of Columbia
One Judiciary Square
Washington, DC 20001

The Honorable Anthony Williams:

The lack of dependable wireless telephone coverage in Ft. Dupont Park poses a health and safety hazard to motorists, pedestrians, people recreating in the park, and people with physical challenges. As District residents and people who use this park, we urge your support for the development of telecommunications facilities that will bring dependable cellular telephone service to this national park.

In 1996, members of a National Park Service committee, the Emergency Wireless Reporting System Committee, examined the problem of dead zones, areas in the park where there is no cellular phone reception. After evaluating cellular phone access in several local National Park Service districts, they found poor reception in most of the District's federal parks.

It is critical that wireless transmission function properly throughout the District of Columbia to improve the ability of the public to access 911 and emergency services. During medical emergencies, the public needs the ability to communicate with the area hospitals, emergency medical personnel and the police. Currently, Ft. Dupont and the area around Pennsylvania and Branch Avenue corridor do not have dependable cellular telecommunications. Moreover, the Metropolitan police report that there were more than 1,500 emergencies in the area last year. The nation's largest telecommunications facilities company, SBA Properties, Inc., is proposing to construct a monopole at Penn-Branch Shopping Center to correct this problem.

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06/20/2001 03:52 2025290224 ROBINSON ASSOCIATES PAGE 04

Mayor Williams, this is a public safety and a healthcare issue because in an emergency, the public needs to communicate dependably. Consequently, we join the DC Hospital Association, District ambulance service providers, the Road Runners Club of America, and a host of health care organizations in urging your support for SBA's proposed telecommunications facility in Penn-Branch Shopping Center.

Sincerely,

Charles Kidwell
President

cc: Gentry Davis, National Park Service
Sheila Cross Reid, Board of Zoning Adjustment
Councilmember Chavous

06/21/2001 11:41 2025290224 ROBINSON ASSOCIATES PAGE 05
05/09/2001 03:52 2025290224 ROBINSON ASSOCIATES PAGE 05

FRATERNAL ORDER OF POLICE

JERRARD F. YOUNG

DISTRICT OF COLUMBIA LODGE #1

400 5th STREET, N.W., SUITE 200
202-347-2508

WASHINGTON, D.C. 20001
FAX 202-628-7620

April 16, 2001

Mayor Anthony Williams
Mayor District of Columbia
441 Fourth Street., NW Suite 1100
Washington, DC 20001

Dear Mayor Williams:

I am writing you on behalf of the Fraternal Order of Police, Jerrard F. Young Lodge in the District of Columbia regarding the siting of a wireless antennae facility near Ft. Dupont Park. We represent nearly 10,000 law enforcement officers, including over 3,200 officers from the Washington, DC Metropolitan Police Department and 600 United States Park Police. We have been concerned for some time about the inability to transmit wireless calls from the national parks located in the District including Ft. Dupont Park.

Law enforcement officials in the region rely on wireless communication capabilities to summon the proper resources and check in with other agencies for additional support. Although the US Park Police have primary jurisdiction for responding to calls for assistance coming from National Park Service grounds, multiagency coordination is often necessary to respond adequately to emergencies. The dead zones in Ft. Dupont Park make this impossible. The lack of dependable wireless telephone coverage in Ft. Dupont Park is a public safety problem that could bring tragic results.

Wireless users have become a valuable resource for law enforcement officers—helping to report crimes, dangerous drivers or medical emergencies. The emergency communications network is stronger because of wireless technology. Over 98,000 emergency calls are made on cellular phones each day. Many bikers, hikers, joggers and drivers using the park rely on their wireless phones for security. It is critical that wireless networks are seamless so that calls for help can always go through.

Mayor Williams on behalf of DC#1, I urge you to support cellular communications facilities proposed by SBA Network, Inc. for southeast Washington to improve public safety.

Sincerely,

Louis P. Cannon
President

cc: Robert Sockwell, Board of Zoning Adjustment
Councilmember Chavous

Metropolitan Police • U.S. Capitol Police • Alcohol, Tobacco & Firearms Bureau • U.S. Secret Service
National Institute of Health Police • U.S. Park Police • Federal Bureau of Investigations • Drug Enforcement Administration
Department of Corrections • U.S. Marshals Service • U.S. Customs • Metro Transit Police • Library of Congress
Department of Defense • Internal Revenue Service • Supreme Court • Metropolitan Washington Airport Authority
Immigration and Naturalization Service • Naval Investigative Service • Postal Police • Federal Protective Service • Department of Labor
U.S. Secret Service UD • Bureau of Engraving & Printing • Government Printing Office • National Zoological Police

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ROAD RUNNERS CLUB OF AMERICA

510 N. WASHINGTON STREET ▼ ALEXANDRIA, VA 22314-4183
(703) 836-0558 FAX (703) 836-4439 office@rrca.org www.rrca.org

April 9, 2001

The Honorable Anthony A. Williams
Mayor, District of Columbia
441 Fourth Street, NW, Suite 1100
Washington, DC 20001

Advisory Committee

Paul Anderson
Joe Henderson
Dave McGillivray
Kevin Pelura
Vicksten Phillips
Cara Lassiter Rice
Helen Rodley
Bill Rodgers
Lee Smith
Greg Vis
Ellen Wessel

Executive Board

Frank Carey
President

Beverly Devlin
Vice President

Jeff Hostetler
Secretary/Treasurer

Deputy Director
Eastern Director

Scott Christopher
Southern Director

Mark Lutman
Central Director

Pat Adams
Western Director

Mike Cook
Director At-Large

R.T. Harvey
Director At-Large

Susan Harrowing
Director At-Large

John Wm. Thomas
Director At-Large

Gabriel M. Hyland, Esq.
Legal Counsel

Hedley Gabaldon
Executive Director

Dear Mayor Williams:

I am writing to express my concern about the lack of dependable wireless telephone coverage in the Ft. Dupont Park area. It poses a safety hazard to pedestrians, runners or other recreationists in the park, and I strongly support the development of telecommunications facilities that will allow cellular telephone service in the park and surrounding area. At the invitation of the United States Park Police, the Road Runners Club of America (RRCA) has been a member of a National Park Service committee, the Emergency Wireless Reporting System Committee, since the spring of 1996 to examine the problem of dead zones -- areas in the parks where there is no cellular phone reception.

The Emergency Wireless Reporting System Committee consists of US Park Police officers, National Park Service rangers, cell phone representatives, the RRCA and other outdoor exercisers and trail users. We have worked diligently to evaluate the cellular phone access in several local National Park Service districts. Runners and cyclists tested cell phones while commuting to and from work. The poor reception we found in the parks caused great concern for we want to feel safe using all parks, including ones in the District of Columbia. Unreliable cellular coverage is a public safety matter.

Wireless transmission must function properly throughout the District of Columbia to improve the ability of the public to access 911 and emergency services. During medical emergencies, we need the ability to communicate with the area hospitals, emergency medical personnel and the police. Currently, the area around Pennsylvania and Branch Avenue corridor does not have dependable cellular telecommunications. The telecommunications facilities proposed by SBA Network, Inc. for southeast Washington will give the public the necessary coverage. Competing cell phone companies are cooperating to co-locate to prevent pole proliferation.

Mayor Williams, this is a public safety and a healthcare issue because in an emergency the public must be able to dial health care personnel or the police and know that their calls will go through. We routinely advise runners and other outdoors exercisers to carry a cell phone for safety reasons. Therefore it is vital to know that we can dependably communicate at all times.

The RRCA joins District ambulance service providers, African Americans with Physical Disabilities and a host of health care organizations in urging your support for SBA's proposed telecommunications facility in the Penn-Branch Shopping Center.

Warm regards,

Hedley Gabaldon
Executive Director

cc: Sheila Cross Reid, Chair, Board of Zoning Adjustment
Council Member Chavous

▼ 44th RRCA Convention
Albuquerque Road Runners
Albuquerque, NM
May 3 - 6, 2001

▼ The RRCA: GRASSROOTS RUNNING IN AMERICA SINCE 1958
www.rrca.org

TOTAL P.01



OUTLINE OF TESTIMONY
OF REPRESENTATIVE FROM SBA, INC.

I. Introduction

   A. Description of SBA, Inc.

   B. History and Experience of SBA, Inc.

II. Background and Description of Project

   A. Description of Site

   B. Description of Monopole Design

   C. Co-Location of Multiple Wireless Carriers

   D. Base Stations and Landscaping

   E. Relocation of Garbage Dumpsters

III. Special Exception Relief

   A. Relief Requested to Construct 130 Foot Monopole

   B. Need in this Area for Dependable Cellular Coverage

IV. Conclusion



OUTLINE OF TESTIMONY
OF REPRESENTATIVE FROM SPRINT PCS

I. Introduction

A. Description of Sprint PCS

B. History and Experience of Sprint PCS

II. Intent to Co-Locate on Proposed Monopole

III. Objectives and Goals for Coverage at this Site

IV. Conclusion



OUTLINE OF TESTIMONY
OF REPRESENTATIVE FROM C.D. MEEKINS & ASSOCIATES, INC.

I. Introduction

A. Description of C.D. Meekins & Associates, Inc.

B. History and Experience in Washington

II. Description of Project

A. Description of Site

B. Description of Monopole Design

C. Co-Location of Multiple Wireless Carriers

D. Base Stations and Landscaping

E. Relocation of Garbage Dumpsters

III. Special Exception Relief Requested

IV. Conclusions

OUTLINE OF TESTIMONY
MAHMOUD ELLINI, RF ENGINEER

I. Introduction

   A. History and Experience

   B. Qualifications as Expert

II. Background and Description of Project

III. Need for Antenna at this Height and Location

   A. Existing Gaps in Coverage

   B. Proposed Monopole Significantly Reduces Gaps in Coverage

   C. Alternatives to Proposed Site – None Available

   D. Further Reduction in Monopole Height – Not Possible

IV. Conclusions

Mahmoud Ellini

2300 Pimmit Drive #209
Falls Church, VA 22043
Tel1: (703) 876-2803, Tel2: (703) 725-8272
Fax: (703) 876-0693, E-mail: mellin03@sprintspectrum.com

EDUCATION

M.S. Electrical and Communications Engineering, 1988
University of Maryland College Park, MD

- Completed a Thesis on Packet Error Probability Evaluation of a Multi-user CDMA system combined with Convolutional Coding.

B.S. Electrical Engineering, 1978
Aryamehr University of Technology, Tehran, Iran

PROFESSIONAL EXPERIENCE

Sprint PCS **June 2001- Present**
Consulting Senior RF Engineer

- Responsible for the design and optimization of the coverage and capacity sites in Washington/Baltimore area.
- Supported RF requirements for the Zoning and site development issues.
- Evaluated and tested candidates for RF approval.
- Designed and redesigned Sprint PCS network.
- Verified RF exposure for each approved site.

Teligent, Herndon, VA **1999 – May 2001**
Senior Network Engineer

- Engineering lead for the implementation and commissioning of the Nortel high speed Broadband wireless Access Network for the East Region of the USA.
- Lead Engineering support for Network Operations and troubleshooting of Broadband Wireless Links.

- Evaluated new Technologies and vendors For Broadband Wireless Physical and Data Link Layers, and Optical backbone.
- Fault management support for ATM networks consisting of Routers, ATM multipurpose switches, Muxes, ATM edge switches, Broadband Wireless ATM switches, DSLAM, and voice modules.
- Evaluated and documented technologies and provided vendor management.
- Developed maintenance guidelines for the Broadband wireless access network equipment.

COMSEARCH, RESTON, VA **1995 - 1999**
Principal RF Engineer

Completed Projects:

Miami Sprint PCS Super-Bowl Project

- Completed the in-building and high power Repeater design of Miami Super-Bowl venues.
- Designed, analyzed, and perfectly adjusted the innovative design to maximize the capacity inside the 80'000 seat Pro-Player stadium during Super Bowl.
- Technically led the Miami Super Bowl Design team.
- Developed and taught a training course for in-building design

North East Nebraska Telephone Company

- Developed a comparative analysis study to evaluate available technologies for the Applications of combined Mobile and fixed wireless services.
- Performed a presentation for the Board of Directors in Sioux City, Iowa and responded to Board's members questions regarding the PCS technologies and vendor selection.

LGIC Telecommunications

- Performed WLL (Wireless Local Loop) network design of CDMA system for Pampanga, Philippine and Bombay, India.
- Developed the Link Budget, derived fade margin, and performed capacity analysis.
- Performed traffic analysis and developed an innovative method for the combined capacity of mobile and fixed antenna subscribers.

Broadband Wireless Local Loop

- Developed the strategy of RF Design for the high frequency LMDS/WLL systems.
- Performed a preliminary network design and link analysis for presentation to customer.
- Completed a proposal of Broadband Wireless design for Pinnacle in Norfolk, VA.
- Conducted training sessions in Broadband Wireless Local Loop

Bell Mobility, Montreal, Canada

- Evaluated preliminary network optimization plans for Montreal market. Developed aggressive, two month optimization plan.
- Performed data analysis and cluster optimization using IQ•Analyzer, Predator tools, and Mapinfo. Analysis included PN Separation, Sector Per user, Ec/Io, and Call Events.

Nortel/Sprint PCS

- Lead engineer for Nashville design and optimization.
- Assisted with PN offset and cluster planning.
- Supported Site Development department for all the zoning and site acquisition requirements.
- Collected and analyzed CDMA system optimization data using Grayson measurement equipment and Nortel post-processing tools.
- Performed data analysis using post processing tools such as Safco's Opas 32 and Nortel's Stat7 to identify and resolve network problems such as dropped calls, access failures, and high FERs. Used Nortel Predator software and MapInfo to generate coverage plots.
- Performed CDMA system site qualification, drive testing, RF design using MSI's PlaNet tool.
- Reviewed antenna sweep reports for insertion loss, return loss, and VSWR.
- Responsible for post-launch site integration.

GSE Systems, Columbia, MD **1989 - 1995**
Principal Systems Engineer

- Lead Engineer for several Simulation software design
- Conducted real-time simulation of control, communications and power systems.
- Performed mathematical modeling for communications and control systems.
- Responsible for software and hardware integration.
- Performed real-time simulation, modeling satellite ground stations using FDMA and CDMA.

University of Maryland, **College Park, MD** **1986 - 1988**

- Conducted research focused on spread spectrum CDMA.

RELEVANT TRAINING

- CDMA Optimization (Nortel)
- Post-Processing and Data Analysis for Optimization
- U.S. PCS Industry Overview: Concepts, Spectrum Allocations, Microwave Relocation, Licensees, and Design Strategies
- Propagation Modeling for PCS and Cellular Design: Free Space, Okumura, Extended HATA, TIREM, OH Loss, COST 231, and LOS
- GSM Overview of Technical Specifications
- Traffic Engineering for Cellular and PCS (CDMA) Applications
- Microwave Engineering and Link Calculations.
- Microwave System Planning, Engineering, and Frequency Coordination
- Marconi ATM Core Switch
- ATM Technology Review
- Basic Cisco Configurations
- Introduction to Wide Area Networking
- Passport ATM Switch (Nortel)
- Reunion Broadband Wireless (Nortel)
- Hughes Broadband Wireless (Hughes)
- Broadband Wireless at Microwave Frequencies

Citizenship

- US Citizen



OUTLINE OF TESTIMONY
OF SHARON ROBINSON

I. Introduction

II. Description of Community and Surrounding Area

III. Community Meetings and Work with the Community

IV. Need in this Area for Dependable Cellular Coverage

V. Conclusion