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FREDERICK G. GRIFFIN, P. C.

2938 Waterlick Road-Lynchburg, VA 24502

A Professional Engineering Communications Consulting Firm

➤ Public Safety
Communications
➤ Land Mobile
Radio Systems

➤ E9-1-1 Networks
➤ Wireless Activities
➤ Tower Siting
Activities

➤ Telephone Equipment
Networks
➤ CATV Technical
Regulatory Assistance

10-1-02

Dear Dr Holodzy

02-135

Re: meeting

I will be traveling thru Washington
Monday 10-7-02 or Tuesday AM 10-8-02
if you would like me to stop by and
chat about the land mobile industry
I can make myself available



Fred Griffin

(T) 414-237-2044 (F) 434-237-6063
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Our Third Decade Of Professional Service

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FREDERICK G. GRIFFIN, P.C. was established to provide telecommunications consulting and engineering services to local governments. Founded by Frederick G. Griffin, P.E. in 1972 as a personal consulting service, the firm expanded to a full business venture in 1974 as FREDERICK G. GRIFFIN, INC. The firm acquired its current name in 1979 when it became a registered corporation in the Commonwealth of Virginia. It has since become a registered corporation in other states and is one of a select few communications consulting firms in the country which are subject to review at the state level for ethics and work performance. Clients include local, state and federal governments, utilities, common carrier and volunteer organizations. The firm is headquartered in Lynchburg, VA.

CEO and President Frederick G. Griffin, P.E., is a registered professional engineer in Virginia and several other states as well. He acquired telecommunications expertise early as an employee of a large communications equipment manufacturer and is mentored by a well-trained and client-oriented staff.

The firm also has an associate staff of professional engineers to draw on as the needs require, to complement the firm's communications expertise.

Professional Growth

Personnel maintain their state-of-the-art pursuits through seminars in their respective disciplines and active membership in technical organizations that include the Association of Federal Communications Consulting Engineers (AFCCE), the Institute of Electric & Electronic Engineers (IEEE), the Association of Public Safety Communications Officers and Advisors (APCO) and more.

Expertise

The firm's areas of expertise include:

- ▶ Land Mobile Radio Systems
- 800MHz Trunked Radio Systems
- ▶ Microwave Systems & Networks

- ▶ Tower Siting
- ▶ E-911 Systems & Network
- ▶ Wireless Issues
- ▶ FCC/FAA Liaison
- ▶ Computer Aided Dispatch
- ▶ Local Area Networks
- ▶ SCADA Systems

Services

Totally independent of any manufacturer, distributor, software/hardware supplier, air time service provider or vendor, the firm offers unbiased service to its clients. Recommendations are dictated by one criterion: what best fits a client's needs.

Professional services include:

Negotiations
Feasibility Studies/Economic Analysis
Systems Engineering
Equipment Specifications
Physical Planning
Field Engineering
Application Technical Evaluations
Acceptance Testing
Project Management/Monitoring

The firm also provides expert testimony for insurance claims investigations, public utility commissions, local zoning boards, and FCC filings.

Resurces

Headquarters house the firm's technical library and computer facilities. Extensive in-house computing capabilities to conduct propagation analysis and a wide range of design engineering services thus reduces the time and cost required to perform such services. Computer services include terrain and path profiling, intermodulation studies, frequency coordination, remote computer access, traffic loading and analysis, propagation studies, interference studies, CATV system analysis and database development.

A combination of prepackaged and customer developed software is used, and the firm develops its own software as needs arise.

Project site management and field measurements are provided. Precision field and laboratory

testing is provided through an associated measurement laboratory.

Methodology

A carefully selected project team researches and accumulates data develops a process or solution, and then prepares the implementation for each project. The focus is future oriented - anticipating changing needs and resolving potential problems. The sequence of events ensures the integrity of both cost and value.

Experience and Know-How

Decades of combined staff experience in diverse and complementary communications disciplines assures client satisfaction.

The firm is active in the 800MHz trunked radio systems evolution as well as industry regulatory activities. Mr. Griffin chaired the trunked radio panel at the 1993 Mid-Atlantic APCO convention. The firm was a principal contributor on the subject of incompatibility of 800MHz trunked equipment through articles written by Mr. Griffin and staff. It was represented on the National Public Safety Planning and Advisory Committee (NPSPAC) which was charged by the FCC to develop a national plan for the allocation of the new 800MHz frequencies. The firm wrote the technical portion of the Region 42 800MHz plan. Mr. Griffin is at the forefront of developing digital trunking standards and spectrum planning. He was a member of APCO's Project 25 and Public Safety wireless Advisory Committee (PSWAC). He is a member of Mobile Radio Technology editorial advisory board, and is past president of the AFCCE. The AFCCE is comprised of consulting engineers at the highest level of their respective fields who practice before the FCC on engineering and regulatory matters. He is an associate member of the FCBA.

Over the years, staff articles have been published in various trade journals. Mr. Griffin has spoken and written on the topic of negotiations and minimizing protest and litigation.