

VIRGINIA: AT THE CONTINUATION MEETING OF THE DINWIDDIE COUNTY BOARD OF SUPERVISORS HELD IN THE PUBLIC SAFETY BUILDING CONFERENCE ROOM OF THE PAMPLIN ADMINISTRATION BUILDING IN DINWIDDIE COUNTY, VIRGINIA, ON THE 2<sup>ND</sup> DAY OF SEPTEMBER, 2003, AT 4:00 P.M.

PRESENT:	ROBERT L. BOWMAN IV - CHAIR	ELECTION DISTRICT #3
	DONALD L. HARAWAY - VICE CHAIR	ELECTION DISTRICT #2
	HARRISON A. MOODY	ELECTION DISTRICT #1
	EDWARD A. BRACEY, JR.,	ELECTION DISTRICT #4
	AUBREY S. CLAY	ELECTION DISTRICT #5

OTHER: PHYLLIS KATZ COUNTY ATTORNEY

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Mr. Donald L. Haraway, IV, Vice Chair, called the continuation meeting to order at 4:07 P.M.

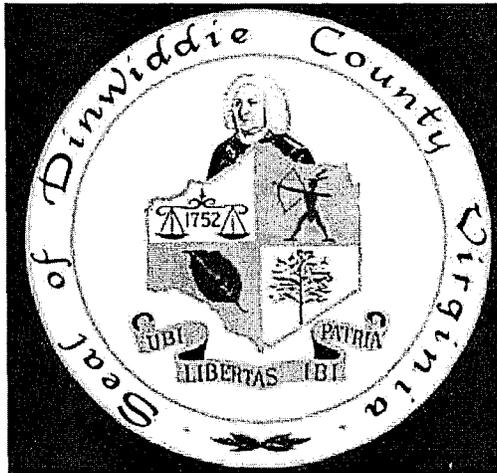
**IN RE: PRESENTATION AND DISCUSSION OF RADIO COMMUNICATIONS SYSTEM - KIMBALL & ASSOCIATES & MOTOROLA**

Mr. Kevin Massengill, Assistant County Administrator, stated our Consultant, Kimball & Associates, is present along with representatives from Motorola to bring you up to date on the process and answer any questions you might have on the proposed radio communications system.

Ms. Denise Absher, Communications Manager, introduced Mr. Curt Andrich, Senior Consultant with L. Robert Kimball & Associates, and Mr. Steve R. Garner, Virginia Sales Manager, Motorola, Inc.

Mr. Garner presented the following update for the proposed radio communications system to the Board:

**INSERT PRESENTATION**



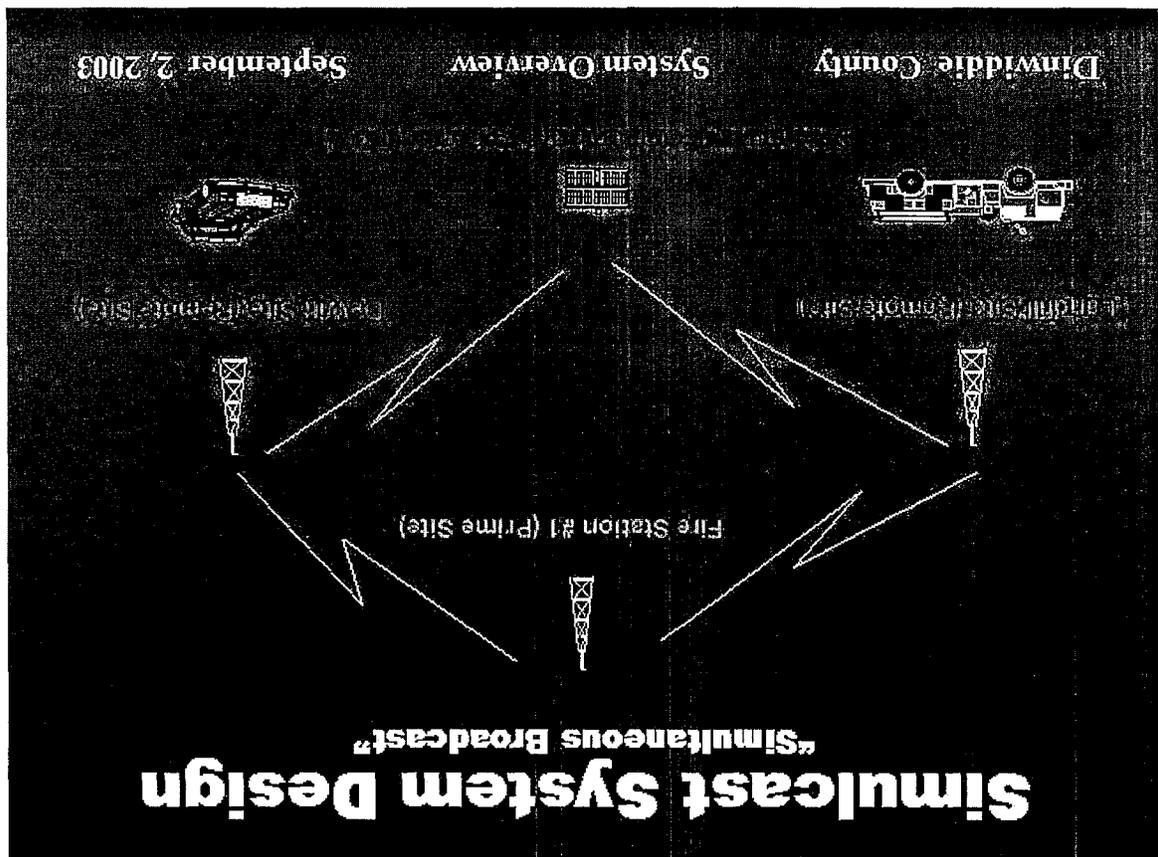
***VHF Simulcast  
Radio and Paging System***

Dinwiddie County System Overview September 2, 2003

## Simulcast Advantages

“Simultaneous Broadcast”

- Wide area coverage - unit to unit
- Seamless Roaming (Hot pursuit)
- Operation transparent to user
- Easiest to operate - no confusion by the users in field or in the dispatch personnel
- Best inbound audio transmitted to all users
- Most efficient use of limited spectrum



# Coverage Maps of Proposed Simulcast System

## Coverage Maps

Dinwiddie County

System Overview

September 2, 2003

# Coverage Maps of Proposed Simulcast System

## Coverage Maps

Dinwiddie County

System Overview

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Dinwiddie County  
System Overview  
September 2, 2003

**System Components (continued)**

- Microwave System
- System Alarm and Control
- Fire Station Alerting
- 40 Digital Mobile Radios
- 41 Digital Portables
- 34 Analog Mobile Radios
- 39 Analog Portables
- 6 Control Stations
- 200 Fire/Rescue Pagers

Dinwiddie County  
System Overview  
September 2, 2003

**System Components**

- 3 Site, 4 Channels, VHF, Simulcast Radio
- 1 Channels 12.5 KHz Digital-Law Enforcement
- 2 Channels 12.5 KHz Analog-Fire/Rescue
- 1 Channel, VHF, Simulcast Paging (Wideband)
- Four Position CentraCom Gold Series Elite Dispatch Consoles-ECC
- Plant E-911 System (Wireless Phase II)-ECC
- Pixsys Voice Recorder-ECC

# Equipment Location by Site



Fire Station #1  
(Prime Site)

Landfill Site  
(Remote Site)

DeWitt Site  
(Remote Site)

Emergency Communications  
Center (ECC)

2 Analog Repeater

2 Analog Repeater

2 Analog Repeater

4 Position Plant E911

1 Digital Repeater

1 Digital Repeater

1 Digital Repeater

4 Position Dispatch Console

1 Paging Base

1 Paging Base

1 Paging Base

1 Pixsys Voice Recorder

180' S S Tower

180' Guyed Tower

1 Microwave Dish

1 Magic MIS System

3 Microwave Dishes

1 Microwave Dish

2 Antenna & Line

1 Channel Bank

2 Antenna & Line

2 Antenna & Line

1 12x10 Building

1 Alarm & Control Central

1 12x16 Building

1 12x10 Building

1 Generator

1 Fire Station Alerting Central

1 Generator

1 Generator

1 UPS

1 Microwave Dish

1 UPS

1 UPS

1 Channel Bank

1 UPS

1 Channel Bank

1 Channel Bank

Dinwiddie County

System Overview

September 2, 2003

# Push-To-Talk ID (PTT)

- Radio User Presses PTT
- User ID is displayed on console
- Used for Identification of Users by Dispatchers for System Management

Dinwiddie County

System Overview

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# Systems Integration Services

- Project Management
- System Design
- Customer Center for Systems
- Integration (CCSI)
- Implementation
- Testing and Optimization
- Training
- System Cutover
- Service and Ongoing Support

Dinwiddie County System Overview September 2, 2003

# Emergency / Alarm Call

- Radio User Presses Emergency Button
- ID Flashes on Console
- Audible Indication of Emergency
- One Channel Operational

Dinwiddie County System Overview September 2, 2003

## Anticipated Major Project Milestones

- Project Award/Purchase Order 9/15/03
- Project Kick-off Meeting 10/03/03
- System Configuration & Design Review 11/03/03
- Equipment Order & Manufacture 12/05/03
- Equipment Staging 2/17/04
- Site Development Completed 2/20/04
- System Delivery 2/27/04
- System Installation Completion 4/13/04
- System Cut Over 6/24/04
- Final Acceptance 7/13/04

Dinwiddie County

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## Addition to Local Service

*System Support Services that are included...*

### Field Technical Representative

- Assist Local Service Shop
- Recommend And Provide Technical Solutions
- Troubleshoots System Problems
- Maintenance / Installation Standards To Assure Continued System Performance



Dinwiddie County

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Dinwiddie County System Overview September 2, 2003

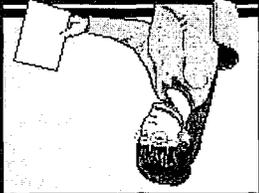
## Technical Support

- Highly Trained and Experienced System Technicians
  - Experts in Troubleshooting over the Phone
- Technical Consulting/Problem Analysis
- Coordination with other Motorola Support Teams
- 24 Hour Technical Help Desk

Dinwiddie County System Overview September 2, 2003

## Call Center

- Central Dispatch Operations
  - One Number To Call for Service
- Call Management and Tracking
- Technician Dispatch
- Time Driven Escalation Procedures
- Preventative Maintenance Scheduling
- Service Activity Reports



## Motorola Project Team

- Will Smithson Account Manager
- Steve Garner Sales Manager
- Ned Monroe Engineer Team Leader
- John White Systems Engineer
- David Ruhlow Project Manager
- Jayne Deck Customer Support Mgr

Dinwiddie County

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## VHF 12.5 KHz SIMULCAST PROJECT

MOVING FORWARD TOGETHER



Dinwiddie County

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Mr. Bracey stated his concern was the coverage area and the cost of the system. He asked if the proposed towers were in the best location for the best coverage? Mr. Garner stated the towers had to be placed within no more than a 7 mile radius to perform the best. He also stated he was trying to use the existing locations for the towers to save the county money.

Mr. Clay said he certainly hoped the system would give the county the best coverage especially at what it was going to cost the county.

Mr. Moody asked why couldn't a tower be placed in the western section of the county for better coverage? He also asked what the difference would be if the county decided to go digital? Mr. Garner stated he thought the difference would be around \$500,000 but he would be happy to get the figures and get back to him. Mr. Moody commented he would be happier with the cost of the system if it were digital.

Mr. Bowman was concerned with the expected coverage in the northern end of the county. He said it was the most populated area and it appeared to him on the coverage map there were some white non-coverage areas. Mr. Garner replied all the areas would have an expected 95% coverage.

Mr. Haraway asked what the expectant life of the system was. Mr. Garner replied between 12 to 15 years. Mr. Haraway also asked what the total cost was for the system. Mr. Garner stated \$4,230,000 million.

It was the consensus of the Board that the main objective was to make sure the County has the radio system that would provide the best coverage in the County. The main concern of the Board was the placement of the towers and whether to go digital or analog.

**IN RE: RECESS**

The Chairman called for a recess and the meeting reconvened at the Pamplin Administration Building at 6:30 p.m. for the work session with VDOT representatives on the County's six-year secondary road plan.

**IN RE: VDOT SIX-YEAR ROAD PLAN – WORK SESSION**

Mr. Timothy W. Overton, Assistant Resident Engineer, VDOT presented the following information to the Board members and public:

**"Subject: Six-Year Plan Workshop**

Attached is the Dinwiddie County's Secondary Construction Priority Listing and the candidates for the Rural Rustic Program listed in descending traffic count order.

The priority list already has regular projects that extend beyond the projection of the six-year plan. The increases to the estimated cost of regular projects have exceeded the annual allocation and we do not recommend adding any projects to the regular priority listing. However, the Board may choose to add projects to the unpaved listing or change the existing order of the projects in the regular listing.

Virginia Department of Transportation's new estimating system is being used across the state and has increased the estimated cost of projects in Dinwiddie by approximately \$4.4 million. This system is based on sound engineering principles and historical item costs that has been collected from statewide projects over the recent past. This data may not reflect today's actual construction costs for local projects. Since local averages will be used in the future, this system should make better forecast of actual project costs as time passes.

The Residency is committed to reducing total project cost by various means. These may include scope reduction, such as paving Route 619 in lieu of full construction, and state force construction on the Rural Rustic Road Projects. Also, we plan to use any available funds that will supplement the County's regular allocations."

Secondary Six-Year Plan Database - [Priority View]

File Edit View Insert Format Records Tools Window Help

Priority View Form

Refresh View, sort by Designation  
Refresh View, sort by PRI #

Close Form, Go back to menu

Priority #:	Route:	PPMS ID:	Designation: (Project Type)	Project Code:	Description:
0	8000	CWI	County-Wide Inciden	CWI	Total County-Wide Allocation
0	0604	16896	Regular	0604-026-233,M502	HALIFAX ROAD
1	0613	10861	Regular	0613-026-177,C502	SQUIRREL LEVEL RD.
2	0613	10860	Regular	0613-026-249,C501	SQUIRREL LEVEL RD.
3	0619	12556	Regular	0619-026-250,C501	COURTHOUSE ROAD
4	0622	12557	Regular	0622-026-252,M501	BALTIMORE ROAD
5	0604	14872	Regular	0604-026-119,M502	HALIFAX ROAD
1	0670	18816	Unpaved	0670-026-P54	SHADY LANE
2			Unpaved		Unpaved Projects to be Identify

Projects currently sorted by Designation (Project Type) first, then PRI #.

Record: 1 of 9

Start | Inbox - Mi... | Main Menu | SYP Work... | Priority V... | 11:15 AM

## DINWIDDIE COUNTY RURAL RUSTIC CANDIDATE PROJECTS

UPDATED 8/28/03

Rt.	Name	From	To	Length	AADT Count	Traffic Count Per Mile
609	Cherry Hill Rd.	Rt. 687	Rt. 616	3.3 MI	160	49
609	Cherry Hill Rd.	Rt. 619	Rt. 40	2.22 MI	130	59
746	Bird's Nest Rd.	Rt. 708	Dead End	.93 MI	120	129
644	Brills Rd.	Rt. 610	Rt. 642	2.44 MI	110	45
658	Branchs Rd.	Rt. 656	Rt. 619	2.67 MI	110	41
644	Brills Rd.	Rt. 642	Rt. 40	2.45 MI	100	41
729	Spriggs Rd.	Rt. 661	Dead End	.52 MI	90	173
702	Lennie Rd.	Rt. 638	Rt. 40	1.22 MI	90	73
694	Old Pine Rd.	Rt. 622	Dead End	.51 MI	80	157
620	White Oak Rd.	Rt. 642	Rt. 639	1.22 MI	80	66
722	Abernathy Rd.	Rt. 619	Dead End	.9 MI	80	89
744	Mckissicks Rd.	Rt. 644	Dead End	.57 MI	70	123

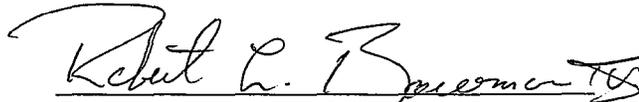
Mr. Overton commented that the Rural Rustic projects would not affect the overall priority list or the funding for those projects. He also informed the Board that the funding for these projects could not be used for any other purposes.

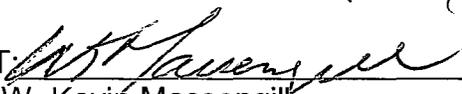
Mr. Steve Fritton, Construction Supervisor, VDOT, informed the Board that if they chose to change the priority list it would delay the existing projects.

Mr. Bowman asked if VDOT made recommendations to the County as to the priority of the roads on the Six-Year Plan. Mr. Fritton commented it is not the responsibility nor should it be the responsibility of VDOT to decide that. He commented that has been and should remain the decision of the Board. Mr. Bowman said he was not an engineer and did not have the expertise to decide which road or roads or where on the list they should be placed. He stated he felt the County should get some engineers to take a look at the roads to make those decisions.

**IN RE: ADJOURNMENT**

Upon motion of Mr. Bracey, Seconded by Mr. Haraway, Mr. Bracey, Mr. Moody, Mr. Clay, Mr. Haraway, Mr. Bowman voting "Aye," the meeting adjourned at 7:08 P.M.

  
Robert Bowman, IV, Chairman

ATTEST:   
W. Kevin Massengill  
Assistant County Administrator

/abr