

Wake County, NC



***MotoMesh Broadband and Video
Surveillance System at NC State
Fairgrounds, Carter-Finley Stadium and
RBC Service Area***



***March 26, 2009 CJIN Board Meeting Presentation by
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Bill Cusack, Motorola Director of Emerging Technologies & Solutions***

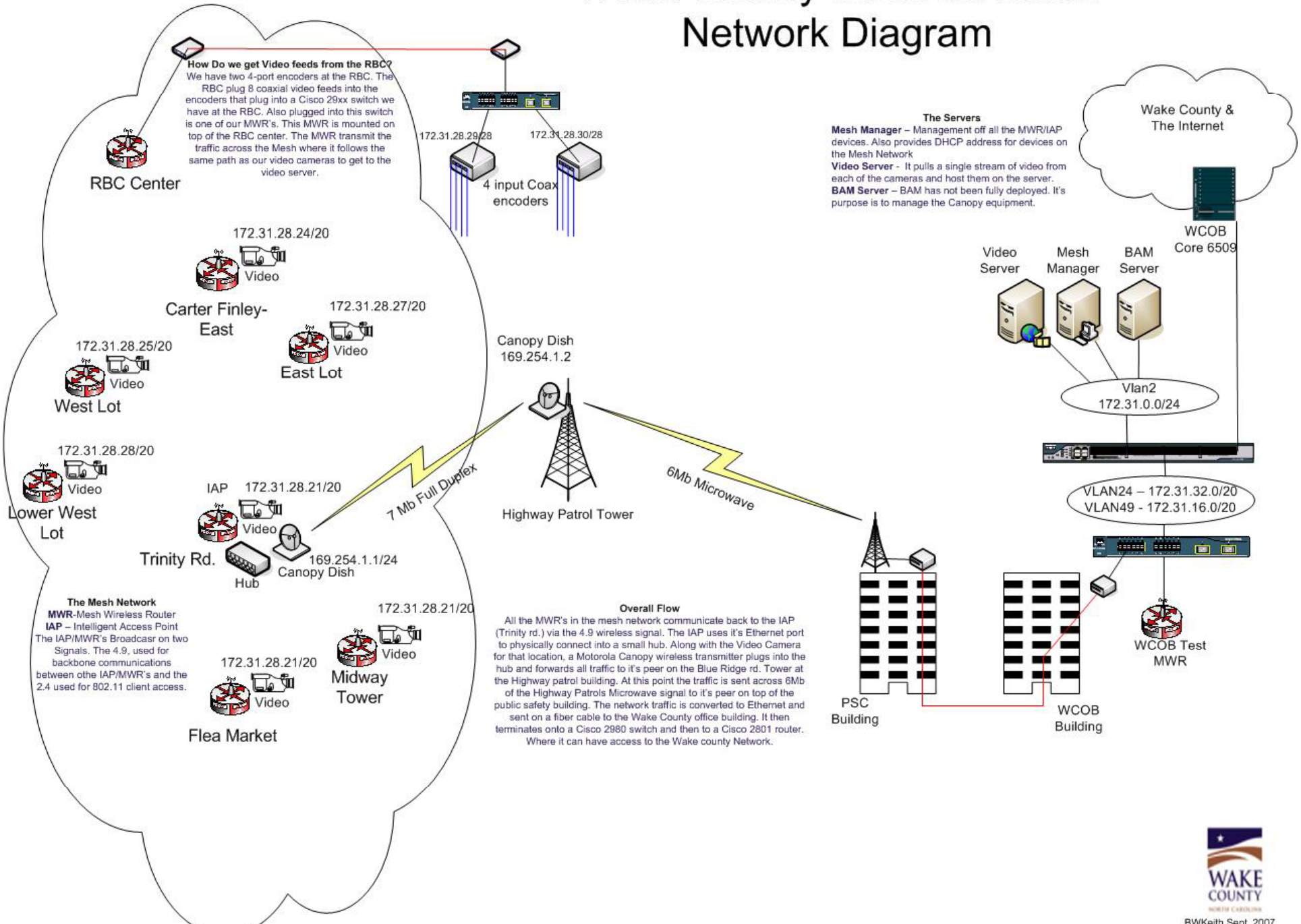


Wake County, NC

- 2nd most populous county in NC with population of 730,000+
- Installed MOTOMESH System at State Fairgrounds, Carter- Finley Stadium, and RBC Center
- 1 IAP, 8 MWRs, 7 PTZ Cameras, and Canopy Point To Point BackHaul Link
- Allows law enforcement authorities to use laptop computers and handheld devices to view wireless video surveillance
- Increases security during special events like the State Fair, NC State Athletic Events, and Concerts.



Wake County Motorola Mesh Network Diagram



Benefits of a Mesh Network

Decentralized Architecture

Low site / low deployment and operational cost

Fast and easy to deploy

Self-Forming Network

Scalable / moldable

Fault redundant

High Level of Reliability and Resiliency

Self healing characteristics of mesh networks prevent single points of failure

Deployment Flexibility

Increase bandwidth and grow the network as demand requires

There are Two Types of Wireless Mesh Networks

Infrastructure meshes

Client meshes



Real World Wide Area Transit Application

