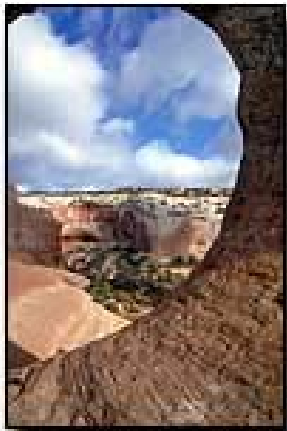


Project Experience

Digital Microwave Engineering Study

Gallup-McKinley County Schools, Gallup, NM

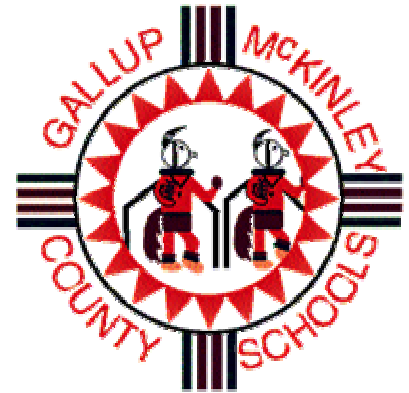
Gallup-McKinley County School District plans to implement a County-wide asynchronous transfer mode (ATM) network in a configuration proposed by IBM Global Services.



THE DISTRICT
COVERS A WIDELY
DISPERSED
AND RUGGED
GEOGRAPHIC
AREA

Timberline determined the feasibility of using digital microwave radio to support the district's ATM WAN. The study, which encompassed 18 school facilities in Gallup, 18 out-of-town facilities, and 13 BIA facilities, considered the optimum channel bandwidth required to support the planned ATM network.

Microwave system requirements meeting Bell System performance standards and path clearance objectives were employed in the study. Timberline's work included site visits, identification of suitable repeater locations, and path analyses (profiles and calculations for proof of concept). The end product of the study was a technical report documenting the results of engineering analyses, system maps, channel plans, path profiles, equipment lists, and budgetary cost estimates. The report, which was reviewed and approved by the U.S. Department of Education in Washington, DC, contributed to a larger FCC-sponsored K-12 school networking project under the FCC's



Universal Service Fund program.

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