

DAVID R. STILL

PROJECT ASSIGNMENT: ARCHITECTURAL ACOUSTICS



- Auditorium and Theatre Design
- HVAC Sound and Vibration Control
- 3D CADD Graphics
- Architectural Acoustics and Binaural Post Processing Auralization (CATT-Acoustic)

SR. SYSTEMS DESIGNER

- Technology Convergence Integrator
- Performance Audio & Digital Audio Networks
- Theatrical Lighting and Control Systems
- Theatrical Stage Curtain & Manual / Automated Rigging
- IMAG /Broadcast Video Design

TRANSPORTATION and COMMUNITY SOUND STUDIES

TOTAL YEARS EXPERIENCE: 35

EDUCATION: B.Sc., 1973, The Pennsylvania State University

PROFESSIONAL AFFILIATIONS:

- ⇒ **Member, National Council of Acoustical Consultants, 1997- present**
- ⇒ **Member, Acoustical Society of America, 1986- present**
- ⇒ **Member, Audio Engineering Society, 1998-present**
- ⇒ **Member, National Transportation Research Board, Subcommittee A1F04, 1994- present**

PUBLICATIONS:

A Space With A Purpose, Lancaster Christian School, Church Production Magazine, July/August 2005.

Sound Competitor (Convergence in Emergent Performance Technologies), Lancaster Christian School, Systems Contractor News, March 2005.

More Than A Sanctuary, Covenant Baptist Church, Sound & Video Contractor, November 2002.

Reflections of Perfection, Acoustic Design for Speech Intelligibility, Church Production Magazine, Sept-Oct 1999.

Avoiding Acoustic Reflections, Systems Contractor News, December 1999.

RECENT EXPERIENCE IN COMMUNITY SOUND STUDIES and ACOUSTICS:

- **Study of Sound Propagation for a Proposed Motor Freight Terminal**, Cumberland County, PA. The study consisted of sound level measurements and predictions of operational sound levels associated with the freight terminal, and expert testimony for a Conditional Use Hearing.
 - **Predictive Noise Study for Shaft 25B Third Shift Operations**, City Water Tunnel, Stage 2 in Manhattan, West Side of 10th Avenue in Manhattan between 48th and 49th Street. The study consisted of sound level measurements and predictions of construction activities for compliance with the City of New York (NYC) Department of Environmental Protection (DEP) construction related noise level criteria as a function of land use and time of day.
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- **Sound Study for the [Outdoor] Athletic Facility at the Holy Name of Jesus Educational & Worship Facility**, West Hanover Township, Harrisburg, PA. The study consisted of the analysis, prediction, and expert testimony, for predicted sound levels at property line locations from a proposed new school for Holy Name of Jesus, West Hanover Township, Harrisburg, PA. Sources studied included a paging system and spectator crowd activity at an Outdoor Athletic Stadium.
 - **Acoustic Study for the Proposed Ski Slope Extension of Greer Hill at the Holimont Ski Area**, Village of Ellicottville, NY. The study consisted of measurement, analysis, and prediction of community sound levels from snow making and grooming operations for a Ski Slope Extension at Holimont Ski Area, Ellicottville Township, NY.
 - **Sound Study for a Proposed Go Kart and Drag Strip**, Howe Township, Perry County, PA. The study consisted of the analysis, prediction, and expert testimony, for sound levels from a proposed Go Kart and Drag Strip facility in Howe Township, Perry County, PA.
 - **Abatement of Transformer Noise at the Luthercare Muhlenberg Townhomes**, Lancaster County, PA. The study consisted of the measurement, analysis and abatement recommendation to reduce sound levels within an Assisted Living Community from the facility electrical transformers.
 - **Sound Study for a Proposed Go Kart Facility**, Lancaster County, PA. The study consisted of the analysis, prediction, abatement recommendations, and expert testimony for sound levels during a Conditional Use Hearing for a proposed Go Kart facility.
 - Analysis, design, and Acoustic auralization, of sound control for the [Scranton Wilkes-Barre] **10,000 seat Wachovia Arena**, Wilkes-Barre, PA.
 - Analysis and design of interior sound control measures for a new **Magnetic Resonance Imaging (MRI) System** for Ephrata Hospital, Ephrata, PA.
 - Analysis and design of sound control measures for a **Swimming Pool, Running Track, and Wellness Area** for a new YMCA, Lancaster, PA.
 - Analysis and recommendation of sound control in the construction of new condominiums at **The Point at Moore's Inlet**. The study evaluated various wall constructions, ceiling constructions, floor constructions, and HVAC systems. Upon completion of the analysis, **detailed specifications** were developed to aid in the implementation of the correct and proper construction methods.
 - Design of Architectural Acoustics, L-C-R scalable Performance Audio, scalable Digital Audio networks, scalable IMAG Video, Integrated Dimming and Control System for Architectural and Theatrical Lighting, Intelligent Lighting System, Automated Stage Rigging, Contoured Austrian Vertical Lift Curtain, Stage and Acoustic Curtains, and Fire Curtain, for the **renovation of the Historic 1926 Hazelton High School Auditorium**, Hazelton, PA.
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