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Geospatial Decision Support Implementation for Motor Carrier Enforcement Operational Planning

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This presentation provides an overview of North Carolina State Highway Patrol's Motor Carrier Enforcement (MCE) efforts to use GIS for improving operational enforcement planning. The presentation describes the roadmap, evolution, implementation and future directions of a spatial decision support system (SDSS) for MCE planners to more effectively target and prioritize geographic areas where commercial motor vehicle safety and road infrastructure preservation concerns are the greatest. To establish an effective decision support system, an integrated approach was developed to address both technical and human factors. This included a phased, multi-tiered development of a GIS-based SDSS as well as the active engagement and training of MCE staff.