Development of Updated Guidelines and Specifications for Roadway Rehabilitation

Charles T. Jahren  
Department of Civil, Construction, and Environmental Engineering  
Iowa State University  
248 Town Engineering  
Ames, IA 50011-3232  
cjahren@iastate.edu

Paul Wiegand  
Institute for Transportation  
Iowa State University  
2711 S. Loop Drive, Suite 4700  
Ames, IA 50010  
pwiegand@iastate.edu

Larry J. Stevens  
SUDAS  
Iowa State University  
2711 S. Loop Drive, Suite 4700  
Ames, IA 50010  
lstevens@iastate.edu

Ryan Shropshire  
Department of Civil, Construction, and Environmental Engineering  
Iowa State University  
2711 S. Loop Drive, Suite 4700  
Ames, IA 50010  
rashropshire@gmail.com

ABSTRACT

This presentation will describe an investigation that is reviewing Iowa Department of Transportation (Iowa DOT) and SUDAS guidelines and specifications for roadway rehabilitation techniques and provide recommendations for improvement (Iowa Highway Research Board Project 08-01). In the process, investigators have surveyed practitioners to determine in which areas guidance is most valuable. Furthermore, investigations have reviewed specifications and guidelines from several sources to identify best practices for possible inclusion in Iowa DOT and SUDAS documents. The review included:

- Current Iowa DOT and SUDAS Documents
- Neighboring states
- Neighboring local jurisdictions
- National Trade and Professional Associations
- Federal Highway Administration
- Academic and professional literature

Based on the findings of these tasks, investigators will recommend improvements to the target documents. In the proposed presentation, investigators will share findings regarding:

- The type of guidance that was found to be most valuable to practitioners,
- Best practices identified during the document review process, and
- Preliminary recommendations regarding areas for improvement of Iowa DOT and SUDAS documents.

During the presentation, audience members will be requested to give input on current recommended guidelines in accordance with the research plan for this project.

Key words: Iowa DOT—roadway rehabilitation techniques—SUDAS