



October 20, 2020

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### **Guide to Concrete Overlays of Asphalt Parking Lots – Document Update**

In 2012, the first version of the [Guide to Concrete Overlays of Asphalt Parking Lots](#) was released and was the culmination of 3 ½ years of research, development, and production of the only guide available in this market segment.

The process of placing concrete directly on top of existing asphalt paving has been in practice for over 40 years; however, there was no comprehensive document to guide owners, practitioners, or construction personnel on the process of successfully overlaying existing asphalt parking lots with bonded concrete.

Key objectives for the development of the guide were:

1. Produce a comprehensive guidebook that focused on the proper and correct application of concrete on top of an existing asphalt parking lot (all other documents on the subject were geared toward main line paving).
2. Provide design charts, guides, graphs, and details for the professional design community to assist in design and specifying concrete overlays of asphalt pavements.
3. Provide a “How To” guide for contractors in the proven practices for constructing concrete overlays of existing asphalt parking lots.

Since its release late in 2012, the *Guide to Concrete Overlays of Asphalt Parking Lots* can be directly credited for over 5 million SF of paving (that previously would have been asphalt overlay), providing over \$12 million in additional sales to NRMCA producer members, and over \$15 million worth of placement work for the concrete contractor customer, for a combined \$27 million impact to the concrete paving industry.

The guide is nearing ten years in publication which can be a lifetime in the design and construction industry. We believe that to stay on the forefront of its success, it is time to update the guide. The attached proposal from the National Concrete Paving Technology Center is attached.

Sincerely,

Brian Killingsworth, PE  
Executive Vice President - Local Paving  
National Ready Mixed Concrete Association

Jon Hansen  
Senior Vice President - Local Paving  
National Ready Mixed Concrete Association

**From:** [Smith, Gordon L \[ITRNS\]](#)  
**To:** [Brian Killingsworth](#); [Jon Hansen](#)  
**Subject:** 2020 OR 2021 UPDATE TO GUIDE TO CONCRETE OVERLAYS OF ASPHALT PARKING LOTS  
**Date:** Tuesday, August 11, 2020 2:47:31 PM

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**[CAUTION - EXTERNAL EMAIL]**

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Brian/Jon:

Thanks for the opportunity to assist in development and publication of the second edition of the popular Guide to Concrete Overlays of Asphalt Parking Lots (first edition October, 2012). We consider it a privilege to work with NRMCA on renewal of this important technical document.

I have again turned to our friends and collaborators at Snyder and Associates to assist the CP Tech Center with developing a cost estimate and brief proposal of work considered therein. We have outlined the following tasks pursuant to completion of the new document.

- NRMCA provided mark ups
- Updated fiber information (Roesler report and Residual Strength Estimator)
- Updated costs (rely on NRMCA for input)
- Updated details as needed to conform to current standards
- Review and confirmation that design software hasn't changed since original publication.
- Identification and inclusion of current case studies
- Assuming that there will be to TAC involvement other correspondence with key NRMCA staff
- Edit and publish as an electronic document for NRMCA use.

After internal discussions, we have determined that a lump sum amount of \$46,000 would be needed to complete that update of the Guide to Concrete Overlays of Asphalt Parking lots as proposed. This fee includes anticipated costs for both Iowa State University (CP Tech Center) and subcontractor Snyder and Associates.

Again, we look forward to working on this project with NRMCA and will be anxious to know when we might proceed. Don't hesitate to give me a call if you have any questions regarding the cost and proposal.

Thanks.

A stylized, cursive signature of the name "Gordon" in blue ink.

Gordon L. Smith, P.E.  
Associate Director

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