



CURRENT SPONSORED CONTRACT RESEARCH Asphalt Technology

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MC49 *Knowledge to Go Places* Iding

What is Contract Research?

- Solutions to Current Problems
 - Applied Research
- Customer/Contractor Relationship
 - Design/Build Project Delivery
 - Customer Issues RFP
 - Contractor (Us) Respond
 - Best Solution is Selected
- Results Distribution: Interim/Final Reports
 - Professional Journal Publications
 - Professional Presentations

Colorado DOT

- Study 10.50
- “Evaluation of the Performance, Cost-Effectiveness, and Timing of Various Preventive Maintenances”
 - August 2004 to 2009
 - \$150,000
 - Status:
 - Final Report Submitted and Under Review
 - Best Practices Manual Developed
 - Performance of crack seal, chip seal and thin overlays

Colorado DOT

Study 12-69

“Investigation of Crack Sealants’ Performance and Thin Overlay Bumps Caused by Sealants in Colorado”

- March 2008 to 2011
- \$25,000
- Status:
 - Interim Report Submitted 2
 - Performance Surveys Continue
 - Final Report Due Feb-2011



Colorado DOT

- Study 12.72
- “Investigation of the Benefits from Utilizing Small Aggregates for Seals on Hot Mix Asphalt (HMA) Roadways”
 - August 2009 to 2013
 - \$25,000
 - Status:
 - Two Test Pavements Constructed in 2009
 - One Test Pavement Planned for 2010
 - Condition Surveys

Colorado DOT

- Study 34.24
- “Use of Waste Tires (Crumb Rubber) on Colorado Highways”
 - August 2009 to 2014
 - \$60,000
 - Status:
 - Test Sections Constructed in 2009
 - US34
 - Terminal, Wet and Control
 - Evaluation Sections Established
 - Condition Surveys in Progress

Boulder County-Roofs to Roads

- “Use of Asphalt Shingles from Tear-Off in HMA”
 - August 2009 to 2011
 - \$51,000
 - Status:
 - Coordination for construction of three experimental pavements
 - Planned construction of three experimental pavements in 2010

A cartoon illustration of a turtle with a green and yellow shell and a brown body, walking on a paved road with yellow double lines. A large, light yellow thought bubble is positioned above the turtle, containing the text "Questions...". Three smaller thought bubbles lead from the turtle to the larger one. The background shows a road curving into the distance with green grass on either side.

Questions...