Christopher Tull, Christopher R. Tull, P.E., LEED AP. After obtaining his Bachelor of Science in Civil Engineering from Cornell University in 1987, Chris began working in the construction industry. Early in his career Chris worked for a large concrete contractor, a construction manager and the Indiana Ready Mix Concrete Association. Chris spent eleven years working for a ready mix producer as Vice President of Production and Quality. Chris started CRT Concrete Consulting in February of 2007 and specializes in a relationship approach to technical issues. Chris has been married to Denise since 1990. They have two children: thirteen year old son, Griffin, and eleven year old daughter Gretchen.

March 19, 2012

USE OF ROLLER COMPACTED CONCRETE ON LOW VOLUME ROADS.

Agenda

• What’s Changed?
• How Are These Projects Being Developed?
• Issues.
• Project Review.

What’s Changed?

• Ready mix producers are largely interested.
  – Business elsewhere is terrible
  – Asphalt is about $40/ton ($80/cy) without trucking is not bad.
  – Local agencies are now requesting RCC

What’s Changed?

• Maximum size of the coarse aggregate has dropped from 1” to about 5/8”
  – Less openness of the surface
  – More aesthetically pleasing
What’s Changed?

• Twin shaft mixers are being used.

What’s Changed?

• High density pavers are more prevalent.
  – Better aesthetics
  • Less roller marks

How Are Projects Being Developed?

• Very few (none?) are designed in RCC.
• Most are designed in asphalt.
• Projects are being flipped over to RCC.
Initial Cost

Produce Price Indices - Competitive Building Materials

ACI WEB SESSIONS

ISSUES
Fresh Joints

Quality Control

- Changing mixture (aggregates) and not getting a new mixture.
- Verifying compaction in the field.
- Verifying strength in the field.

DAVIESS COUNTY

350N from 450E to 575E

Twin Shaft Mixer on Dry Batch Plant

High Density Paver
Curing

Surface Texture

SHEPPARD COMMUNITY CENTER PARKING

Beginning

Mixture
High Density Paver

Roll Down

Rolling

Open

QUESTIONS?