Interstate 430/630 Interchange Improvement Project

The ‘Big Rock’ Interchange
Why Big Rock ???
Big Rock Background
Before Big Rock

- 98,000
- 55,000
- 90,000
- 31,000
- 41,000
- 21,000
- 76,000
The Plan

Shackleford Road and Financial Center Parkway
Grade Separation

I-430 SB to I-630 EB Flyover

Baptist Hospital Access

I-430 NB to I-630 EB Flyover

I-630 WB to I-430 SB Flyover
Big Rock *Flyover Ramps*

- I-430 SB to I-630 EB Flyover
- I-630 WB to I-430 SB Flyover
- I-430 NB to I-630 EB Flyover
Shackleford Rd. Overpass
Maintaining Traffic Flow
Pouring it on **THICK!!**
I-430 / I-630 INTERCHANGE **TRIVIA**

ESTIMATED QUANTITIES FOR CONSTRUCTION

How Much Concrete ????
Over 100,000 cubic yards or 200,000 tons!!
I-430 / I-630 INTERCHANGE TRIVIA

ESTIMATED CONCRETE QUANTITY FOR CONSTRUCTION
I-430 / I-630 INTERCHANGE TRIVIA

ESTIMATED CONCRETE QUANTITY FOR CONSTRUCTION
Big Rock Interchange
When is it complete??
Big Rock Interchange
Complete: Mid 2015
Broadway Bridge

- 25,000 Vehicles Daily
- Deteriorating Rapidly
- Deficient & Obsolete
Superstructure Facts

- Double Basket Handle Network Tied Arch
- Pulaski Co. contributes $20 million for addition of Double Arch
- 2 – 448 Foot Spans
- Arches Rise 100 Feet Above Roadway Surface
Navigational Clearance

- Vertical Clearance: 62.4 Feet
- Horizontal Clearance: 396 Feet
- Substructure Designed for Barge Collision
- **Travel Area**
  - 4 – 11 Ft. Lanes, 4 Ft. Shoulders, 52 Ft. Clear Roadway
  - 16 Ft. Shared Use Path
  - Out-to-Out Width = 73 Feet
Dickey Stephens Ballpark Access

Broadway Bridge
Construction

- Bids Opened: September 17th
- Low Bid Amount: $98,404,049.69
- Bridge closed for 6 months, beginning Spring 2016
✓ Live Traffic Conditions
✓ Construction Zones
✓ Alternate Routes
✓ Rest Areas
✓ Welcome Centers
✓ Park-and-Ride Lots
✓ Weight Restricted Roads & Bridges
✓ Weather Radar
✓ Live Traffic Cameras (Coming Soon)