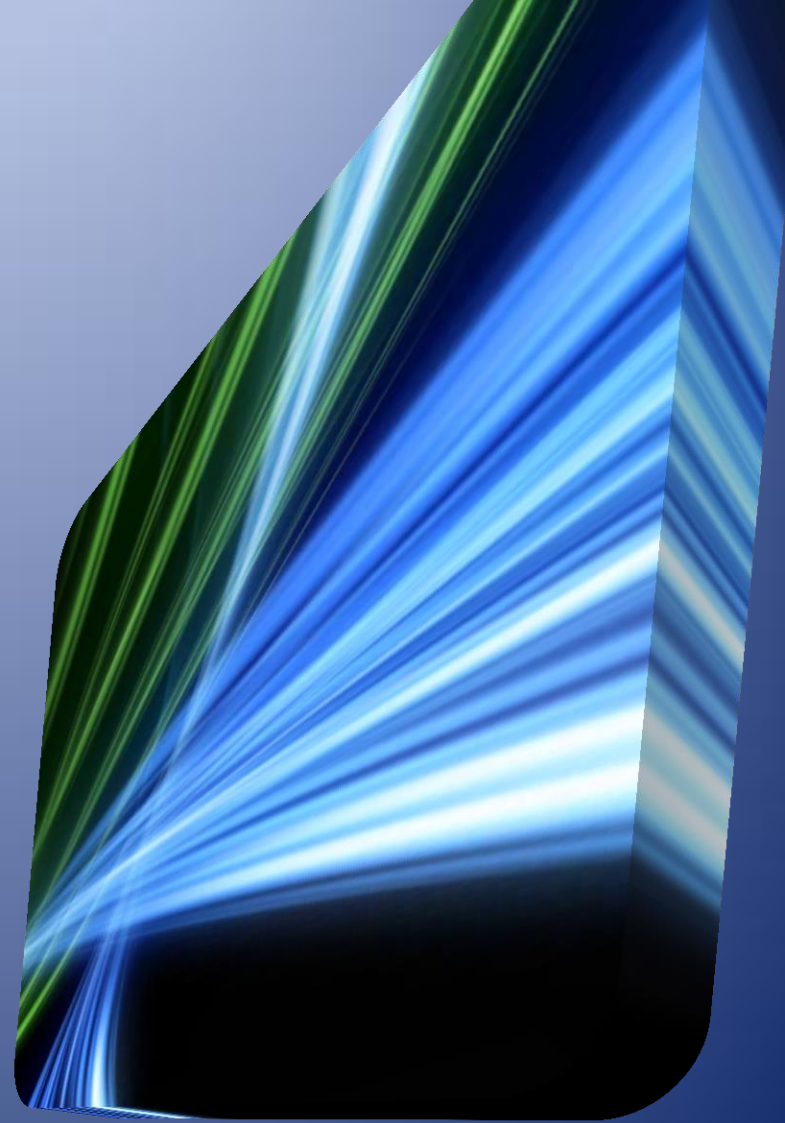


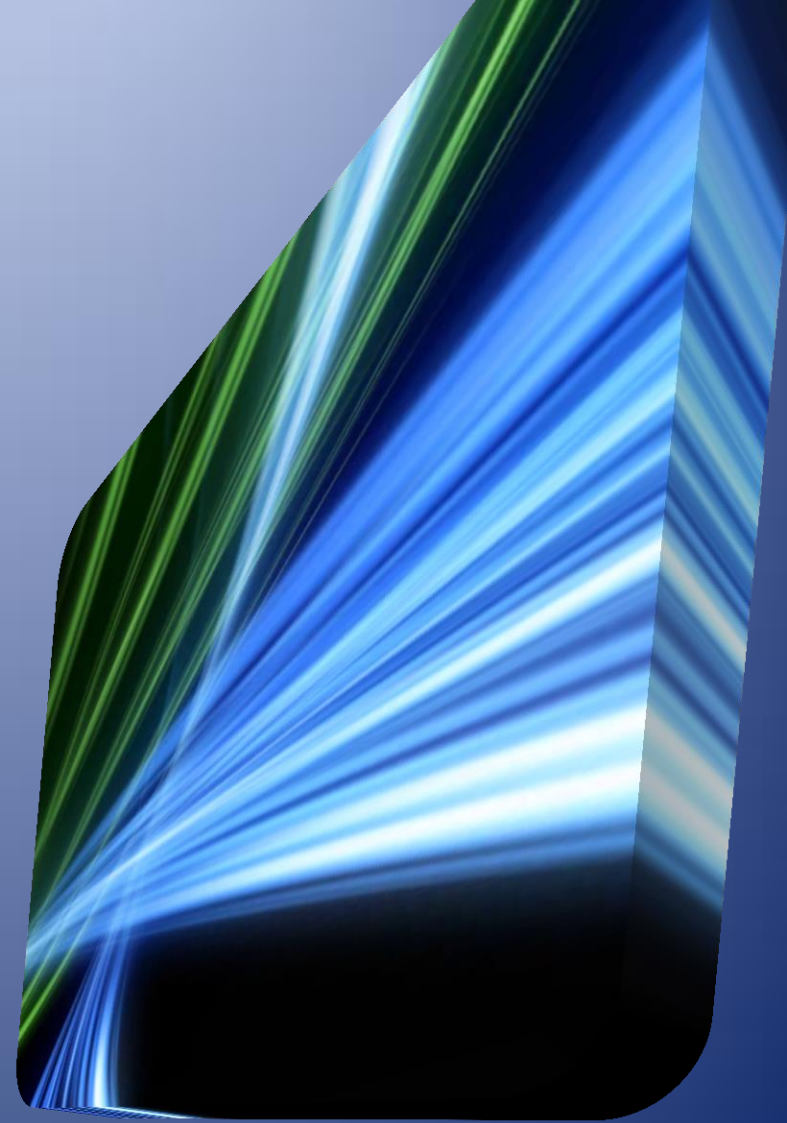
# **VRMCA Technical Committee Update**

**VRMCA 2013 Fall Convention  
October 15, 2013**

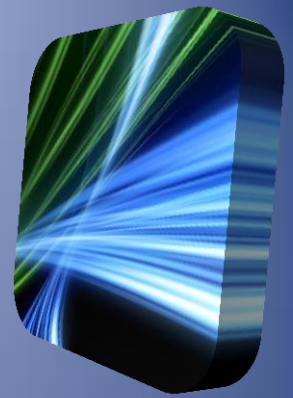
**Who, What,  
Where and When?**



# VRMCA Technical Committee Update



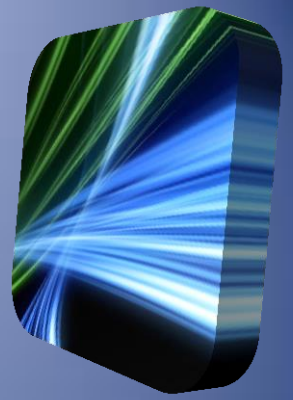
# Meetings



- Quarterly Meetings
  - The Place, Richmond, VA
  - 2014 Schedule (4<sup>th</sup> Wednesdays)
    - January 22
    - April 23
    - July 23
    - October 22
  - 10am to 12 noon, lunch provided

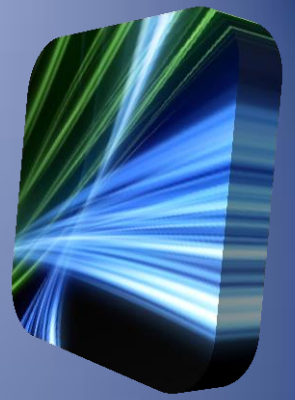


# Meetings



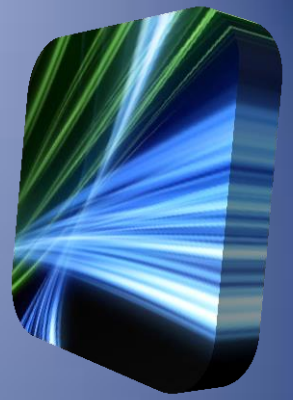
- Biannual Meetings (VRMCA / VDOT Cooperative Joint Committee Meetings)
  - VCTIR, Charlottesville, VA
  - 2014 Schedule
    - January 29
    - July (TBD)

# Membership



- Producer Members
- Supplier Members

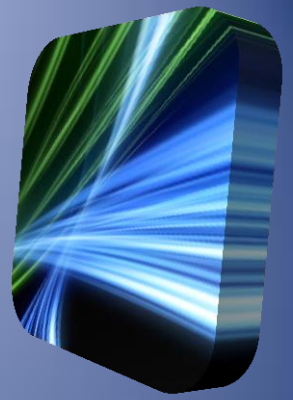
# Purpose



- Education of Membership
- Liaison With VDOT
- Review/Oversight of VRMCA Website and Educational Materials

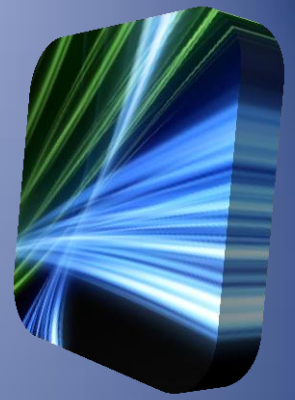


# Purpose



- Education of Membership
  - StreetPave 2012 (Bob Neal)
  - Internal Curing of Concrete Using Lightweight Fines (Bruce Jones)
  - Use of Manufactured Sand in Concrete (Teck Chua)

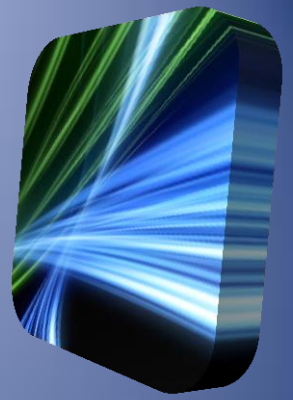
# Purpose



- Liaison With VDOT
  - Development of Specifications / Special Provisions
    - Drilled Shafts
    - Self Consolidating Concrete (SCC)
    - Mass Concrete
    - Shotcrete
    - Lightweight
    - Concrete Patching

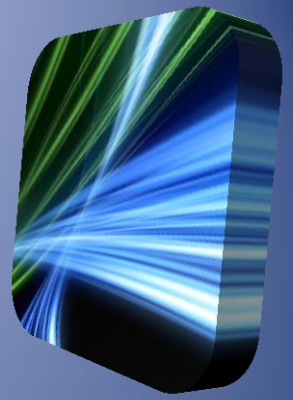


# Purpose



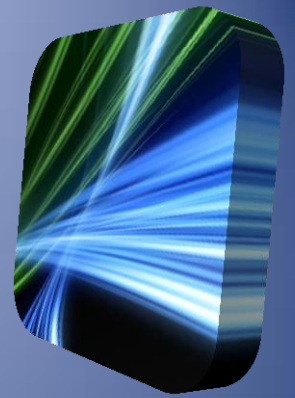
- Liaison With VDOT (Cont...)
  - End Result Spec
    - Option Based Mix Designs
    - Pay Factors
    - Lot Logistics
  - Plant & Truck Certifications
  - VCTIR Study to Reduce Cracking

# Purpose



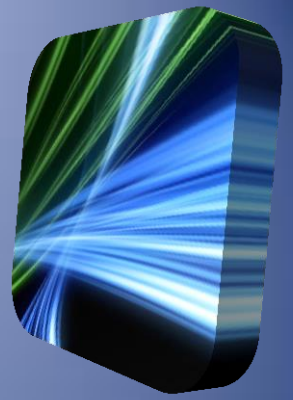
- Review/Oversight of VRMCA Website and Educational Materials
  - Technical Bulletins

# Milestones



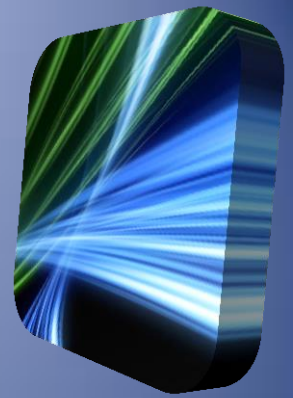
- VDOT End Result Specification
- 2009 Pavement Design Guide for Subdivision and Secondary Roads

# Milestones



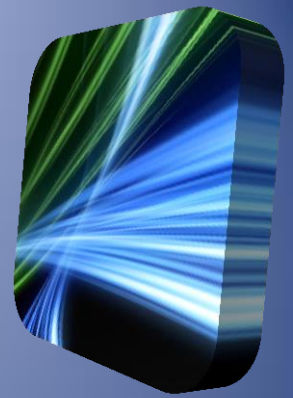
- VDOT End Result Specification
  - Original VDOT Specification
    - Minimum Cement Content
    - Maximum W/C Ratio
    - Air Content
    - Nominal Maximum Aggregate Size & Quantity
  - Limited Choices
    - Material Sources
    - Extra Cement Above Minimums

# Milestones



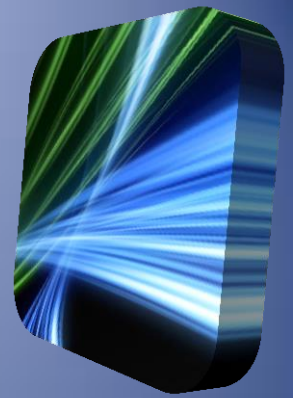
- VDOT End Result Specification
  - New VDOT Specification (Three Options)
    - Original Prescription Based Method (As Written)
    - Trial Batch Method
      - Three Truck Batches (3 Cy Minimum)
      - Small Scale Lab Batches
      - Point Chosen From Resulting Curve – Trial Batch Verified
    - Field Experience Method
      - Field Break Data Collected
      - Average Strength & Standard Deviation Used To Verify Mix

# Milestones



- VDOT End Result Specification
  - New VDOT Specification (Three Options)
    - Trial Batch & Field Experience Methods
      - Maximum W/C Ratios Remain (Minimum Cement Content Waived)
      - Nominal Maximum Aggregate Size Remains (Gradation Requirements Waived)

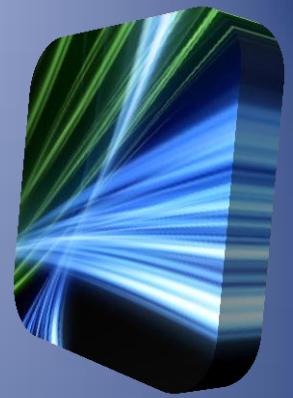
# Milestones



- 2009 Pavement Design Guide for Subdivision and Secondary Roads
  - March 2011 – State Materials Engineer Andy Babish oks use of StreetPave
  - Fall 2011 – Review of Existing Guide (7” of Concrete Over 6” of Aggregate Base)
  - December 7, 2011 – Meeting With Andy Babish & Mohamed Elfino

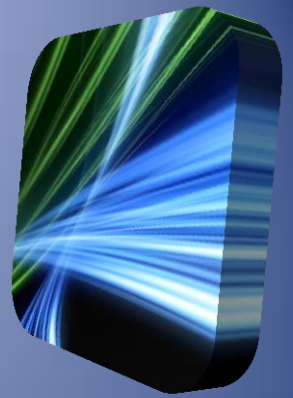


# Milestones



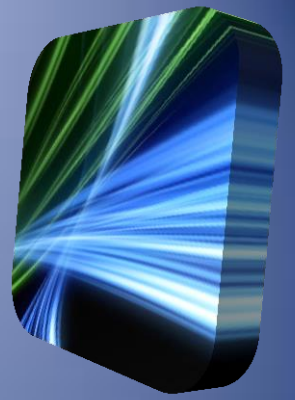
- 2009 Pavement Design Guide for Subdivision and Secondary Roads
  - June 2012 – Alternate Section Proposed (4.5" / 5" of Concrete Over 4" of Aggregate Base)
  - VDOT Proposes 5" of Concrete Over 4" of Aggregate Base
  - Specification Amended to 5" of Concrete Over 6" of Aggregate Base
  - Joint Meeting

# Milestones



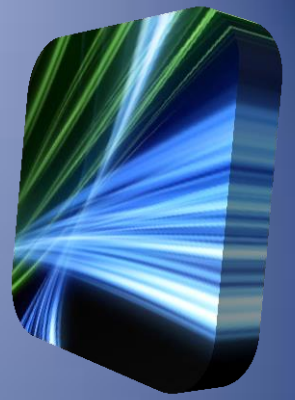
- 2009 Pavement Design Guide for Subdivision and Secondary Roads
  - 5” of Concrete Over 6” of Aggregate Base Remains
  - Agreement to Entertain Alternate Designs

# Summary



- Great Year

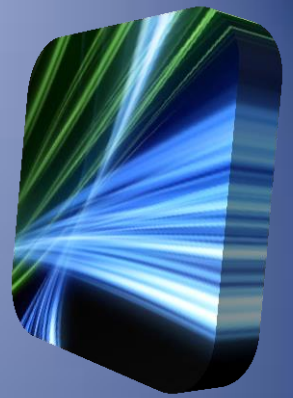
# Summary



- Great Year
- Good Fellowship

# Summary

- Great Year
- Good Fellowship
- Delicious Food



# Questions?

