

# TIRE DERIVED AGGREGATE: A COST SAVING CONSTRUCTION MATERIAL

DENVER, COLORADO

JUNE 23, 2016

# HISTORICAL FOCUS

- Major highway and landfill construction projects require:
- Identification of appropriate projects utilizing TDA advantages
- Large waste tire and processing volumes
- Inventory accumulation
- Transportation and staging logistics
- Feasible economics
- Result – difficult to identify and execute

# ADDITIONAL APPLICATIONS

- Objective – Uses offering multiple installations of smaller quantities/installation
- Result – Significant market quantities with simpler logistics, greater predictability and consistency

# EXAMPLES

- Building foundation backfill
- Geothermal insulation for horizontal ground source heat pump systems
- Stormwater management
- Expansive soil interface material
- Radon mitigation

# FACT SHEETS

- 1-2 PAGE SUMMARY
- OBJECTIVE: PROVIDE A BASIS FOR INITIAL MARKET DEVELOPMENT DISCUSSION
- PROVIDES DESCRIPTION, EXAMPLE, ADVANTAGES AND ECONOMICS IF AVAILABLE
- EXAMPLES PREPARED FOR RESIDENTIAL FOUNDATION BACKFILL AND HEAT PUMP INSULATION APPLICATIONS
- FUTURE DISCUSSIONS WITH INDUSTRY – ASSOCIATIONS, DESIGNERS, INSTALLERS

# MARKET/TECHNICAL RESEARCH

- IDENTIFY EXISTING TECHNOLOGY, ECONOMICS AND POTENTIAL MARKET
- IDENTIFY RESEARCH , DESIGN DATA AND DEMONSTRATION NEEDS
- DEVELOP AND CONVERT RESEARCH RESULTS INTO APPROPRIATE MARKET DEVELOPMENT FORM
- DEMONSTRATION PROJECTS AND MARKET EDUCATION