Overview

- Currently Approved Materials
- New Product Development Process
- New Product Database
- Recent New Products
- New Products Under Trial

Existing Specifications for Recycled Materials

**Fly Ash**
- Item 499: Concrete - 701.13
- Item 613: Low Strength Mortar Backfill - 701.13
- Item 701: Cementitious Materials - 701.13
- Item 703: Aggregate - 703.11
- Item 706: Concrete Pipe/Culvert Structures - 706.04, 706.05, 706.13
- SS871: Embankment Construction using Recycled Materials

**Bottom Ash**
- Item 703: Aggregate - 703.11
- SS871: Embankment Construction using Recycled Materials

**Foundry Sands**
- Item 613: Low Strength Mortar Backfill - 613.02, 613.05
- Item 703: Aggregate - 703.11
- SS871: Embankment Construction using Recycled Materials

**Existing Specifications for Recycled Materials**

**Slag Cement**
- Item 499: Concrete - 499.02, 499.07
- Item 605: Underdrains - 605.02
- Item 613: Low Strength Mortar Backfill - 613.02
- Item 703: Aggregate - 703.04, 703.05, 703.08

**Steel Furnace Slag**
- Item 401: Asphalt Concrete Pavement - 401.03, 703.04, 703.05
- Item 703: Aggregate - 703.01, 703.05, 703.14, 703.16, 703.17, 703.18
Existing Specifications for Recycled Materials

**Reclaimed Concrete Aggregate**
- Item 703: Structural backfill - 703.11
- Item 203: Embankment - 703.16
- Item 411: Stabilized Crushed Aggregate - 703.18
- Item 499: Concrete General - Supp. 1117
- Item 617: Reconditioning Shoulders - 703.18
- Item 601: Slope Protection - 703.19

**Recycled Asphalt Pavement**
- Item 401: Asphalt Concrete Pavement - 401.04

**Asphalt Shingles**
- Item 401: Asphalt Concrete Pavement - 401.04, Supp. 1116

**Tire Derived Aggregate**
- SS871: Embankment construction using Recycled Materials

**Ground Tire Rubber**
- SS887: Ground Tire Modified Asphalt Binder

New Product Development Process

**New Product Definition**
“A product that does not meet an existing Department specification”

**New Product Development Process**

- Send All New Products to New Product Engineer
  - Call to give a heads-up
  - Complete NP Application + Supporting Documentation
  - Review by NP Engineer
  - Review by Department Experts
  - Determine need?

Policy 27-14(P)


Standard Procedure 515-001(SP)

http://portal.dot.state.oh.us/Groups/policies/Procedures/515-001(SP).pdf
New Product Development Process

- If Product has need and merit
- Write new specification
- Modify exiting specification
- Field and or Lab Trial
- Work through Spec Committee and Applicable ODOT Office

New Product Database

- Office of Material Mgmt. Web Page
  - New Product
    - New Product Database

http://www.odotonline.org/newprod/opentable_browse.asp
New Product Database

Recent New Products
- Truncated Domes - 608, 712.14
- Spray Thermoplastic Pavement Marking - 648
- Trackless Tack - PIF
- Steel Portable Median Barrier - alt. to PCB
- Lift Hole Plugs - 706.02, 706.04, 706.13

New Product Under Trial
- Asphalt Penetrating (Rejuvenating) Sealer
  - Replay, Bio-ReStor, Reclamite, JointBond
- Pavement Reinforcement Fabrics/Grids
- Concrete Sealer (Epoxy/Urethane and others)
- Pothole Patch Material
- Fibers in Asphalt - Forta-Fiber

Questions??
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