# NEW PRODUCTS EVALUATION COMMITTEE MEETING

**February 16, 2023**

Georgia Department of Transportation--Office of Materials and Testing  
15 Kennedy Dr.  Forest Park, GA 30297

## NPE COMMITTEE

<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Phone Number</th>
<th>Office Location</th>
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<tbody>
<tr>
<td>Patrick Allen</td>
<td>Chair - OMAT</td>
<td>(404) 608-4708</td>
<td>OMAT Room 305</td>
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<tr>
<td>Connie Coleman</td>
<td>New Products Supervisor - OMAT</td>
<td>(404) 608-4816</td>
<td>OMAT Room 305</td>
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<td>Sydney Herrington</td>
<td>New Products - OMAT</td>
<td>(404) 608-4865</td>
<td>OMAT Room 305</td>
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## NPE COMMITTEE MEMBERS

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Shahid Jenkins</td>
<td>OMAT - Soil, Physical, &amp; Chemical</td>
<td>(404) 608-4817</td>
<td>OMAT Room 306</td>
</tr>
<tr>
<td>Steve Gaston -- Assistant State Bridge Engineer</td>
<td>G.O. - Bridge Design</td>
<td>(404) 631-1881</td>
<td>G.O. Bridge Office 24th floor</td>
</tr>
<tr>
<td>David Miranda</td>
<td>TMC - Traffic Operations</td>
<td>(404) 803-9627</td>
<td>TMC - Bldg. 24</td>
</tr>
<tr>
<td>Jose Hernandez-Ramirez</td>
<td>G.O. – Design Policy and Support</td>
<td>404-631-1833</td>
<td>G.O. 25th Floor</td>
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<tr>
<td>Daryl L. Williams - Environmental Compliance Bureau</td>
<td>Office of Engineering Services</td>
<td>(404) 326-5986</td>
<td>G.O.</td>
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<tr>
<td>Ade Adelakun</td>
<td>Geotechnical Branch</td>
<td>(404) 608-4773</td>
<td>OMAT</td>
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<tr>
<td>Rodney Way</td>
<td>Maintenance Liaison</td>
<td>(706) 836-8093</td>
<td>G.O. Maintenance</td>
</tr>
<tr>
<td>David Neighbors</td>
<td>G.O. – Construction</td>
<td>470-572-4856 (C)</td>
<td>G.O. 11th Floor</td>
</tr>
<tr>
<td>Abdel Koundaba</td>
<td>State Utilities Liaison</td>
<td>404-631-1821</td>
<td>G.O. 10th Floor</td>
</tr>
<tr>
<td>Ben Ruzowicz – Urban Program Manager</td>
<td>GA Soil and Water Conservation Commission</td>
<td>(706) 552-4475 Athens</td>
<td>4310 Lexington Rd</td>
</tr>
<tr>
<td>Rabindra Koirala –Bridge and Structural Design Engineer</td>
<td>G.O. - Bridge Design &amp; Maintenance</td>
<td>(404)-635-2893</td>
<td>TMC – Bldg. 24</td>
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<tr>
<td>Time</td>
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<tr>
<td>9:05</td>
<td>NPE# 2210-1 Alchemco – “BridgeDeck Protectant”</td>
<td>Peter Kesser <a href="mailto:peter.kesser@alchemco.com"> peter.kesser@alchemco.com</a> Samantha Toole <a href="mailto:samantha.toole@alchemco.com"> samantha.toole@alchemco.com</a></td>
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<tr>
<td>9:25</td>
<td>NPE# 2211-1 Carolina Hydrologic – “Floc Product Suite”</td>
<td>Tim Marsac <a href="mailto:tim@carolinahydrologic.com"> tim@carolinahydrologic.com</a></td>
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<tr>
<td>9:45</td>
<td>NPE# 2211-4 Spray-Lock Concrete Protection – “P3 Protect”</td>
<td>Joshua Carroll    <a href="mailto:jcarroll@spraylock.com"> jcarroll@spraylock.com</a></td>
<td></td>
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<tr>
<td>10:05</td>
<td>NPE# 2212-1 Copperhill Industries – “Granulated Slag”</td>
<td>Kyle Ward <a href="mailto:kyle.ward@copperhilltn.com"> kyle.ward@copperhilltn.com</a></td>
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<tr>
<td>10:25</td>
<td>NPE# 2211-5 AAGS-CI – “ASSA ABLOY Global Solutions – Critical Infrastructure”</td>
<td>Kory Hamill <a href="mailto:Kory.Hamill@assaabloy.com"> Kory.Hamill@assaabloy.com</a></td>
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<tr>
<td>10:45</td>
<td>NPE# 2209-2 Valtir, Inc. – “HighwayGuard MDS Barrier”</td>
<td>Paul Barber <a href="mailto:Paul.Barber@valtir.com"> Paul.Barber@valtir.com</a></td>
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<tr>
<td>11:05</td>
<td>NPE# 2209-3 Valtir, Inc. – “HighwayGuard AASHTO Soil Barrier”</td>
<td>Paul Barber <a href="mailto:Paul.Barber@valtir.com"> Paul.Barber@valtir.com</a></td>
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OLD BUSINESS

NPE# 1803-1 O-Dowel, Inc. – “O-Dowel”

Product Description: A high strength galvanized coated carbon steel tubular dowel with end caps that prevents the intrusion of concrete during the paving process and prevents interlock of the dowel to the concrete after curing. Epoxy on top of the outside diameter galvanized surface is optional.

Material Composition: It is a high strength carbon steel tubular that is galvanized coated on the inside of the tube, galvanized with optional epoxy on the outside of the tube with insert style end caps.

Recommended Use: O-Dowel is recommended as dowel bars for jointed concrete pavements.


Cost: Price is approximately 8% less expensive than conventional solid steel dowel bar.

Committee Recommendation:

Important Dates:

Notes: Technical Assistance Bureau – Dr. Peter Wu, Concrete Branch – Jason Waters

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NPE# 1911-3 AeroAggregates, Inc. – “UL-FGA G15”

Product Description: The product is an ultra-lightweight aggregate fill made from 100% recycled glass.

Material Composition: UL-FGA is 100% post-consumer curbside collected recycled glass.

Recommended Use: The product is recommended for lightweight fill for embankments over soft soil and MSE lightweight backfill.


Cost: $100.00/CY

Committee Recommendation:

Important Dates:

Notes: Geotechnical – Ade Adelakun, Technical Assistance Bureau – Dr. Peter Wu

NPE# 2111-2 HydraTech Engineered Products – “HydraTite Internal Joint Seal”

Product Description: The HydraTite Internal Joint Seal is a mechanical seal that is used for DOT applications on storm culverts to repair sink holes. It is comprised of EPDM Rubber and an SS bands all made at our facility in Cincinnati, Ohio.

Material Composition: It contains EDPM Rubber for the seal and stainless steel for the retaining bands.

Recommended Use: The internal joint seal is a trenchless method for repairing storm culverts and box culverts by eliminating infiltration.


Cost: $1,000
Committee Recommendation: Current Classification: FIELD TEST
Important Dates:

NPE# 2206-2 Dyna Liner, Inc. – “Thermoform Liner”

Product Description: Thermoform Liner is a PVC fold & Form Liner meeting ASTM F 1871-20 designed for trenchless rehabilitation of Sanitary, Stormwater and Culverts. Thermoform is a PVC liner, steam is used to heat and shape the liner it is then cooled with air. It is Styrene Free. No VOC’s are released during or after our installation process.

Material Composition: Thermoform Liner is a PVC, Cell Classification 32141.

Recommended Use: Sanitary sewer, Storm sewer and Culvert Pipe trenchless rehabilitation.


Cost: $ varies by diameter

Committee Recommendation:
Important Dates:
Notes: Maintenance – Rodney Way

NPE# 2205-1 Specification Products – “E5 Liquid Fly Ash”

Product Description: E5 Liquid Fly Ash is a nano silica additive for concrete mixes (a supplementary cementitious material) that has been demonstrated in ASTM C494 testing to enhance concrete properties and replace fly ash in a mix design. It reduces the carbon footprint by reducing up to 15% of cement in a mix design.

Material Composition: Blend of Nano-silica of specific particle size.

Recommended Use: Pavements, bridge infrastructure, foundations, top coatings, bridge decks, curbs, and gutters. Pre-cast and pre-stress components.


Cost: $3 - $5 per Yard MSRP

Committee Recommendation:
Important Dates:
Notes: Technical Assistance Bureau - Dr. Peter Wu, Concrete Branch – Jason Waters, Concrete Branch – Sonny Odom


Product Description: Channelizing Device That can be filled with sand or water to increase weight. A state-of-the-art swivel pin is used to link the barrier together.

Material Composition: The product is made of High-Density Polyethylene.

Recommended Use: Temporary work zones, road detours, sporting events, construction projects, demolition areas, theme parks, airports, parking garages.
**Product meets GDOT Specification**: Product falls outside of current GDOT specification.

**Cost**: $325.00 per unit

**Committee Recommendation**:

**Important Dates**:

**Notes**: Bridge – Steve Gaston, Design Policy and Support – Jose Hernandez-Ramirez

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**NPE# 2005-7 Trafco Industries, Inc – “Trafco Butterfly Guardrail Delineator (TI-GF1)”**

**Product Description**: Flexible composite delineator ideal for W-Beam Guardrail. This item will flex upon impact instead of bending lessening the need for constant maintenance and lowering the exposure to traffic of the field maintenance worker.

**Material Composition**: The product is made of 100% recycled ABS.

**Recommended Use**: The product is recommended for installing under the button bolt or applying epoxy directly to the W-Beam Guardrail to increase visibility and guidance for traffic.

**Product meets GDOT Specification**: Product falls outside of current GDOT specification.

**Cost**: $2.00

**Committee Recommendation**:

**Important Dates**:

**Notes**: Design Policy and Support – Jose Hernandez-Ramirez

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**NPE# 2206-3 P3 Polymers – “RockHardSCP Polymer Concrete Manholes”**

**Product Description**: RockHardSCP is a precast polymer concrete manhole.

**Material Composition**: The product is made of precast polymer concrete.

**Recommended Use**: RockHardSCP is recommended for stormwater and wastewater systems.

**Product meets GDOT Specification**: Product falls outside of current GDOT specification.

**Cost**: Price is not given

**Committee Recommendation**:

**Important Dates**:

**Notes**: Construction – David Neighbors

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NEW BUSINESS
NPE# 2210-1 Alchemco – “BridgeDeck Protectant” (9:05 am)

**Product Description:** BridgDeck® products are a bio-based waterproofing system that employs a sodium silicate waterproofing agent, which is enzymatically modified to chemically bond with concrete. With the introduction of water, the waterproofing agent reacts with the calcium, increasing in mass as it forms a gel that encapsulating the water trying to enter the concrete. This vapor permeable gel fills cracks, pores, and voids in the concrete, creating a long-term barrier to water infiltration.

**Material Composition:** BridgeDeck Protectant is an enzymatically modified sodium silicate solution.

**Recommended Use:** It is recommended for Integrally waterproofing structural concrete

**Product meets GDOT Specification:** Product falls outside of current GDOT specification.

**Cost:** Price is not given

**Committee Recommendation:**

**Important Dates:**

**Notes:** Concrete – Jason Waters

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NPE# 2211-1 Carolina Hydrologic – “Floc Product Suite” (9:25 am)

**Product Description:** The Floc Product Suite (FPS) is a non-toxic anionic polyacrylamide blend shaped into different sizes and shapes for different applications. The FPS is designed for water clarification on job sites or in industrial processes through flocculation.

**Material Composition:** It is an anionic polyacrylamide and mineral blend

**Recommended Use:** Passive or active treatment on job sites or industrial processes.

**Product meets GDOT Specification:** Product falls outside of current GDOT specification.

**Cost:** Cost varies based on distributor

**Committee Recommendation:**

**Important Dates:**

**Notes:** Construction – David Neighbors

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NPE# 2211-4 Spray-Lock Concrete Protection – “P3 Protect” (9:45 am)

**Product Description:** P3 Protect is a spray-applied water based concrete treatment (colloidal nano silica).

**Material Composition:** P3 Protect is made from Silicon Dioxide.

**Recommended Use:** Its recommended use is to protect the concrete surface from deterioration that can occur due to biological and environmental attacks.

**Product meets GDOT Specification:** Product falls outside of current GDOT specification.

**Cost:** $350/5-gallon bucket

**Committee Recommendation:**

**Important Dates:**
Concrete Branch – Jason Waters, Maintenance – Rodney Way  

**Notes:**
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**NPE# 2212-1 Copperhill Industries – “Granulated Slag” (10:05 am)**

**Product Description:** Slag is produced from copper smelting, water cooled.

**Material Composition:** The product is made of Silica and Iron.

**Recommended Use:** Granulated slag is recommended for use in the manufacturing of cement, concrete.

**Product meets GDOT Specification:** Product falls outside of current GDOT specification.

**Cost:** $20.00/ton

**Committee Recommendation:**

**Important Dates:**

**Notes:** Construction – David Neighbors, Technical Assistance Bureau – Dr. Peter Wu

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**NPE# 2211-5 AAGS-CI – “ASSA ABLOY Global Solutions – Critical Infrastructure” (10:25 am)**

**Product Description:** ASSA ABLOY is an easy drop in high security replacement lock for traffic cabinets. ABLOY enclosure locks adapt mechanical and electromechanical functionality.

**Material Composition:** The product is solid brass housing with high security cylinder.

**Recommended Use:** The product is recommended for secure cabinets, traffic signals or any other devices that may need high security features with audit trail capabilities.

**Product meets GDOT Specification:** Product falls outside of current GDOT specification.

**Cost:** Price is not given.

**Committee Recommendation:**

**Important Dates:**

**Notes:** Construction – David Neighbors, Traffic Operations – David Miranda

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**NPE# 2209-2 Valtir, Inc. – “HighwayGuard MDS Barrier” (10:45 am)**

**Product Description:** A Portable TL-3 barrier made of lightweight, galvanized steel segments, it is tested to MASH 16 Test Level 3-11 only.

**Material Composition:** The product is primarily galvanized steel.

**Recommended Use:** It is a portable TL-3 longitudinal redirecting steel barrier, designed to be used in work zone applications.

**Product meets GDOT Specification:** Product falls outside of current GDOT specification.

**Cost:** $5000.00/unit

**Committee Recommendation:**
NPE Meeting Agenda – February 16, 2023

Important Dates:

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NPE# 2209-3 Valtir, Inc. – “HighwayGuard AASHTO Soil Barrier” (11:05 am)

Product Description: A Portable TL-3 barrier made of lightweight, galvanized steel segments, it is tested to MASH 16 Test Level 3-11 only.

Material Composition: The product is primarily galvanized steel.

Recommended Use: It is a portable TL-3 longitudinal redirecting steel barrier, designed to be used in work zone applications.


Cost: $5000.00/unit

Committee Recommendation:

Important Dates:

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