NEW PRODUCTS EVALUATION COMMITTEE MEETING

February 15, 2024

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

NPE COMMITTEE

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		Sydney Herrington	*New Products- OMAT*
		(404) 608-4865	OMAT Room 305

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Time	*NPE # / Product*	*Guest(s)*	*Meeting type* (In Person, Phone Conf.)	*Phone Number*
9:05	NPE# 2309-1 ADA Solutions – "ADA Directional Wayfinding Surfaces"	William Galligar bgalligar@surewerx.com		(561) 531-1210
9:25	NPE 2305-3 Pavement Technology, Inc. – "JointBond Longitudinal Joint Stabilizer"	Colin Durante cdurante@pavetechinc.com Susan Durante sdurante@pavetechinc.com		(216) 389-1978 (440) 892-1895
9:45	NPE 2401-1 Pavement Surface Coatings – "Endurablend" NPE 2401-2 Pavement Surface Coatings – "Enduramark	Michael Plath mike@pavementsurfacecoatings.com		(973) 580-2809
10:10				
10:25				
10:45				
11:05				
11:25				
11:45				
12:05				
12:25				
12:45				
1:05				

Presentations

TABLE OF CONTENTS

NPE COMMITTEE 0
NPE COMMITTEE MEMBERS 0
PRESENTATIONS 1
OLD BUSINESS 2
NPE# 2210-1 ALCHEMCO – "BRIDGEDECK PROTECTANT" 2
NPE# 2211-1 CAROLINA HYDROLOGIC – "FLOC PRODUCT SUITE" 2
NPE# 2309-2 TRANSPO INDUSTRIES – "SCREEN-SAFE GLARE SCREEN SAFETY SHIELD" (9:25 AM) 2
NPE# 2306-3 VALMONT HIGHWAY INTERNATIONAL PTY LTD. – "ARMORZONE" REP. BY VALTIR LLC (9:45 AM) 3
NPE# 2308-1 TREETOP PRODUCTS – "LEFT-TURN CALMING/ CENTER LINE HARDENING SPEED BUMPS" (10:05 AM) 3
NEW BUSINESS 4
NPE# 2309-1 ADA SOLUTIONS – "ADA DIRECTIONAL WAYFINDING SURFACES" (9:05 AM) 4
NPE# 2305-3 PAVEMENT TECHNOLOGY INC. – "JOINTBOND LONGITUDINAL JOINT STABILIZER" (9:25 AM) 4
NPE# 2401-2 PAVEMENT SURFACE COATINGS – "ENDURABLEND" (9:45 AM) JOINT PRESENTATION 4
NPE# 2401-1 PAVEMENT SURFACE COATINGS – "ENDURAMARK" (9:45 AM) JOINT PRESENTATION 5

OLD BUSINESS

NPE# 2210-1 Alchemco – "BridgeDeck Protectant"

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: Field Test

Important Dates:

Notes: Concrete – Jason Waters

MEETS SPECS _ ACCEPT __ REJECT _ FIELD TEST _ LAB TEST _ ACTION PDG. _ NO APP. _ WITHDRAWN _ WITHDRAWN/NO ACTION _ PROJECT TO PROJECT _ ALLOW THE USE _

NPE# 2211-1 Carolina Hydrologic – "Floc Product Suite"

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: Field Test

Important Dates:

Notes: Construction – David Neighbors

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NPE# 2309-2 Transpo Industries – "Screen-Safe Glare Screen Safety Shield" (9:25 am)

Product Description: This is a Highway / Bridge Glare Screen designed to protect drivers and work crews from headlight glare and debris.

Material Composition: It is composed of hot-dip galvanized 25ga steel sheet and can also receive a powder coating in a large variety of colors, ASTM A-653 Coating designation G90. All hardware components are structural grade.

Recommended Use: It is recommended as a highway glare screen barrier, pedestrian highway/bridge safety barrier, work zone debris safety barrier, barrier fencing, jet blast fencing and Rock Fall Zone Barrier Screen.

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

Cost: Prices vary. Each project requires an individual quote.

Committee Recommendation: Pilot Test

Important Dates:

Notes: Design Policy and Support – Jose Hernandez-Ramirez, Bridge Design and Maintenance – Donn Digamon, Bridge Design and Maintenance – Steve Gaston

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NPE# 2306-3 Valmont Highway International PTY Ltd. – "ArmorZone" Rep. by Valtir LLC (9:45 am)

Product Description: ArmorZone is a MASH TL-2 barrier made up of plastic units that when joined together using a steel pin and filled with water provides positive work zone barrier protection to temporary construction sites and other miscellaneous roadside activities.

Material Composition: The product is composed of primarily high density polyethylene (HDPE).

Recommended Use: Temporary MASH TL-2 barrier is for use in work zone applications.

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

Cost: $770 per section

Committee Recommendation:

Important Dates:

Notes: Construction – David Neighbors, Design Policy and Support – Jose Hernandez-Ramirez

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NPE# 2308-1 TreeTop Products – "Left-Turn Calming/ Center Line Hardening Speed Bumps" (10:05 am)

Product Description: These are premium rubber speed bumps with double row of hardware, built-in cat-eye reflectors, molded yellow or white rubber, not paint or tape.

Material Composition: It is composed of mold injected recycled rubber.

Recommended Use: It is recommended for centerline hardening for left turn calming, used to slow vehicles making a left turn, thus creating a delineation device prompting drivers to make a 90-degree left turn, slowing the average left turn speed from 14mph to 9 mph. This gives drivers more time to see pedestrians and cyclists on the crosswalk and reduces crashes and fatalities.

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

Cost: $120 per unit

Committee Recommendation: Field Test

Important Dates:

Notes: Design Policy and Support – Jose Hernandez-Ramirez, Traffic Operations – David Miranda, Maintenance – Paul Harvey, Maintenance – Barry Barnes

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NEW BUSINESS

NPE# 2309-1 ADA Solutions – "ADA Directional Wayfinding Surfaces" (9:05 am)

Product Description: Directional Wayfinding Panels are used stand alone or in conjunction with Detectable warning dome panels to create a guidance system for the Blind or visually impaired pedestrian. The Directional Bars provide guidance to a certain point whereas the Detectable warning domes (QPL-87) provide a decision or stopping point.

Material Composition: The product is composed of Fiberglass Composite SMC material.

Recommended Use: Directional wayfinding Bartile are used to guide a blind or visually impaired pedestrian from point A to point B, for example down a sidewalk to avoid obstacles or direct them to a certain point or feature (door location, Bus loading, etc).

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

Cost: $100 per unit

Committee Recommendation:

Important Dates:

Notes: Physical and Chemical Branch – Shahid Jenkins, Traffic Operations – David Miranda, Design Policy and Support – Jose Hernandez-Ramirez

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NPE# 2305-3 Pavement Technology Inc. – "JointBond Longitudinal Joint Stabilizer" (9:25 am)

Product Description: Polymerized petroleum maltene emulsion formulated to penetrate the pavement surface around the longitudinal joint to reduce viscosity of the asphalt binder improving flexibility and creating an in-depth seal.

Material Composition: It is composed of maltene emulsion, which is a chemical blend of four basic Maltene components of asphalt (polar compounds, first acidiffins, second acidiffins, and saturated hydrocarbons), a polymer, tracing dye and emulsifiers.

Recommended Use: It is recommended for use as a polymerized petroleum maltene base longitudinal joint stabilizer, as well as a life extender for rumble strips, in-set and joint patches.

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

Cost: $25.00 per gallon FOB Mansfield, OH

Committee Recommendation:

Important Dates:

Notes: Maintenance – Paul Harvey, Maintenance – Barry Barnes, Pavement – Jewell Stone

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NPE# 2401-2 Pavement Surface Coatings – "Endurablend" (9:45 am) Joint Presentation

Product Description: Endurablend is a polymer cement pavement coating system that can be applied to both asphalt and concrete pavement.

Material Composition: It is composed of Portland cement mixed with special polymers, aggregates, fibers, and pigments.

Recommended Use: Endurablend can be used for decorative and safety surfacing: decorative crosswalks, bike and bus lanes, traffic calming and other colored surfacing treatments. It can also protect and preserve concrete pavements like bridge decks and sea walls.

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

Cost: $2.00 per lb

Committee Recommendation:

Important Dates:

Notes: Maintenance – Paul Harvey

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NPE# 2401-1 Pavement Surface Coatings – "Enduramark" (9:45 am) Joint Presentation

Product Description: Enduramark is a polymer cement pavement marking material.

Material Composition: It is composed of Portland cement mixed with special polymers, aggregates, fibers, and pigments.

Recommended Use: Enduramark can be used for long line striping and for traverse traffic marking applications.

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

Cost: $2.00 per lb

Committee Recommendation:

Important Dates:

Notes: Maintenance – Paul Harvey

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