

Aramid Fibers

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District 1-0 Materials Manager

PAPA Conference – Hershey, PA

January 22, 2025

2025 PAPA
Conference
Hershey

- **What are Aramid fibers**
- **Features**
- **Benefits**
- **Projects**
- **Best Practices**
- **2025 Projects**

Aramid fibers are synthetic fibers resistant to high temperatures and have great tensile strength

What are Aramid Fibers





The most recognized and respected name in the synthetic reinforcement fiber industry since 1978.

CONTACT INFO

Address:

100 Forta Drive Grove City, PA 16127-6399 USA

Business hours:

Mon - Fri: 8AM - 5PM EST

Phone number:

877-375-6759



Forta-Fiber

- Forta was founded in 1978 and was the first producer to introduce synthetic reinforcement fibers to the construction market.
- Bulletin 15 Listing FORTA 15

Contact Us

We're here for you. Give us a call or fill out the form.

Get In Touch

U.S. +1 619 880 0265

CA +1 647 613 6988

info@surface-tech.com

Service / Tech Support

+1 805 415 1825

support@surface-tech.com

Locations

SURFACE TECH LLC

Headquarters

312 S. Cedros Ave., Suite 200
Solana Beach, CA. 92075

Surface Tech, LLC

- Bulletin 15 Listing SURF1 15

Features

- **Designed for all working Temperatures**
- **Mix in Batch or Drum Plants**
- **Distributes uniformly and completely**
- **Improves tensile strength, resilient modulus, Marshall Stability, and Flow among other properties**

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Benefits

- Initial cost savings through reduced pavement layer thickness while delivering the same durability as conventional mixes.
- Performance extend pavement life cycle by as much as 50% reducing raveling, rutting, thermal, reflective, and fatigue cracking.
- No change to the Mix Design.

District 1-0





MERCER COUNTY

Mercer County
Sharpville Boro. High St.
(ECMS #119221)

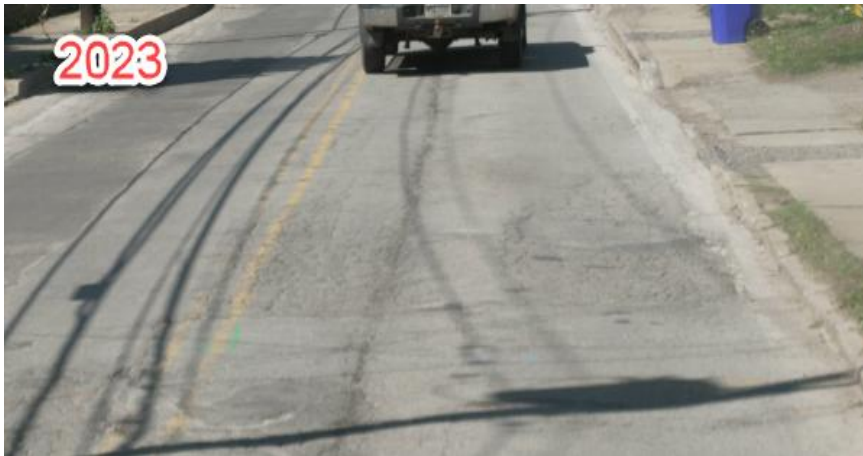
Safe Bike/pedestrian Route: East High St.



- **Year Constructed:** 2024
- **JMF:** W95121E10F & LIN43B41
- **Producer/Prime:** Lindy Paving - Wheatland
- **Tons Placed:** 878
- **ADT:** 1,300

Mercer County
SR18-24M
(ECMS #114013)

Resurfacing/ Overlay- SR 18 Segment 0490 to 0530



- **Year Constructed:** 2023
- **JMF:** W95722L06F & LIN43B41
- **Producer/Prime:** Lindy Paving - Wheatland
- **Tons Placed:** 535
- **ADT:** 7,323

Mercer County
SR19-14M
(ECMS #97907)

**Resurfacing/ Overlay- SR 19 Segment 0100 to 0190
Segment 0140 to 0150**



- **Year Constructed:** 2022
- **JMF:** W95731L07F, W95731E10F & LIN43B41
- **Producer/Prime:** Lindy Paving - Wheatland
- **Tons Placed:** 2,097
- **ADT:** 5,695



Crawford County

Crawford County
SR198-131 GRP
(ECMS #118447)

Resurfacing/Overlay- SR 1001 Segment 0010 to 0030



- **Year Constructed:** 2023
- **JMF:** W95721H3F & LIN25C41
- **Producer/Prime:** Lindy Paving - Sterrettania
- **Tons Placed:** 2,101
- **ADT:** 9,610

Crawford County SR198-131 GRP (ECMS #118447)

Resurfacing/Overlay- SR 89 Segment 0130 to 0140



- **Year Constructed:** 2023
- **JMF:** W95721L9F & LIN20A41
- **Producer/Prime:** Lindy Paving - Conneaut Lake
- **Tons Placed:** 872
- **ADT:** 976

Crawford County

SR 2034-01M

(ECMS #98950)

Highway Reconstruction- SR 2040 Segment 0010 to 0110



- **Year Constructed:** 2020
- **JMF:** W95121L38F, W95221L38F & LIN20A41
- **Producer/Prime:** Lindy Paving - Conneaut Lake
- **Tons Placed:** 1,559
- **ADT:** 5,237

Crawford County

SR27-15M

(ECMS #98901)

Highway Reconstruction- SR 27 Segment 0010 to 0090



- **Year Constructed:** 2020
- **JMF:** W95221L38F, W95221H55F & LIN20A41
- **Producer/Prime:** Lindy Paving - Conneaut Lake
- **Tons Placed:** 6,774
- **ADT:** 10,055

Crawford County
SR2035-01M
(ECMS #98956)

Highway Reconstruction- SR 2035 Segment 0050 to 0010



- **Year Constructed:** 2020
- **JMF:** W95221H55F & LIN20A41
- **Producer/Prime:** Lindy Paving - Conneaut Lake
- **Tons Placed:** 4,993
- **ADT:** 7,484



ERIE COUNTY

Erie County
SR6-01M
(ECMS #90283)

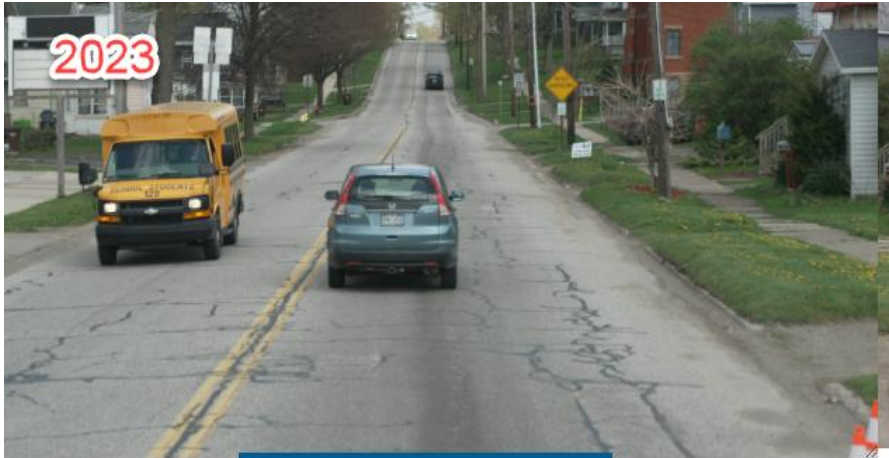
Resurfacing/Overlay- SR 8 Segment 90 to 100



- **Year Constructed:** 2023
- **JMF:** W95721L1F & LIN25B41
- **Producer/Prime:** Lindy Paving - Pittsburgh Ave.
- **Tons Placed:** 878
- **ADT:** 11,670

Erie County
SR6-01M
(ECMS #90283)

Resurfacing/Overlay- SR 6 Segment 250 to 300



- **Year Constructed:** 2023
- **JMF:** W95721H2F & LIN25B41
- **Producer/Prime:** Lindy Paving - Pittsburgh Ave.
- **Tons Placed:** 2,208
- **ADT:** 11,670

Erie County SR20-25M (ECMS #87032)

Resurfacing/Overlay- SR 20 Segment 0510 to 0570



- **Year Constructed:** 2021
- **JMF:** W95721L1F & LIN25B41
- **Producer/Prime:** Lindy Paving - Pittsburgh Ave.
- **Tons Placed:** 4,375
- **ADT:** 20,964

Erie County SR20-25M (ECMS #87032)

Resurfacing/Overlay- SR 20 Segment 0510 to 0570



- **Year Constructed:** 2021
- **JMF:** W95731E4F & LIN25C41
- **Producer/Prime:** Lindy Paving - Sterrettania
- **Tons Placed:** 8,381
- **ADT:** 20,964

Erie County **SR20-28M** (ECMS #110339)

Resurfacing/Overlay- SR 20 Segment 0420 to 0511



- **Year Constructed:** 2020
- **JMF:** W95231E22F & LIN25B41
- **Producer/Prime:** Lindy Paving - Pittsburgh Ave.
- **Tons Placed:** 5,433
- **ADT:** 20,964

Erie County
SR20-28M
(ECMS #110339)

Resurfacing/Overlay- SR 20 Segment 0420 to 0511



- **Year Constructed:** 2020
- **JMF:** W95231E22F & LIN25B41
- **Producer/Prime:** Lindy Paving - Wheelertown
- **Tons Placed:** 6,845
- **ADT:** 20,964

District 1-0 Aramid Fiber Totals

- Total Projects in the past 4 years = 10
- Total Tons Placed = 51,018

District 1-0 Pavement Best Practices

- Use in non-vibratory areas with utilities, over brick, and poor subbase conditions
- Eliminate RPS item for non-RPS areas during design
- Specify Trackless Tack on all projects
- Fibers added mechanically or by a qualified QA mixing technician
- Fibers should be added at the aggregate weigh hopper on a batch plant; at the rap collar on a drum plant

Future of Aramid Fibers in District 1-0

- Total Projects coming in 2025 = 3
- Total Tons Anticipated = 11,000 - 13,000

Questions



2025 PAPA Conference Hershey

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