

# Ohio's Longitudinal Joint Specifications Contractor Perspective

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# WHO IS KOKOSING?

- Kokosing is an award-winning and nationally renowned construction company.
- As one of the largest family-owned contractors in the country, we pride ourselves on our ability to perform a wide range of major construction projects throughout the Midwest and Mid-Atlantic with an extensive breadth of resources we provide for our customers.





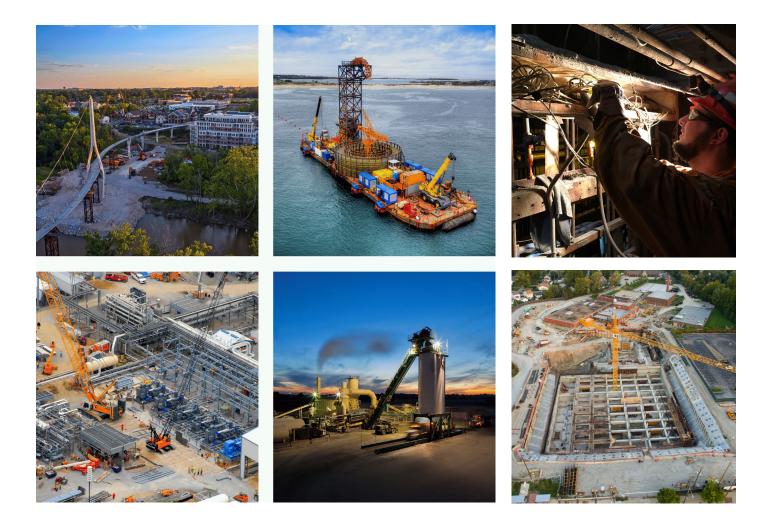






#### OUR AREAS OF EXPERTISE

- Heavy Civil
- Industrial Manufacturing
- Industrial Maintenance
- Marine
- Power + Energy
- Sitework
- Transportation
- Water Treatment



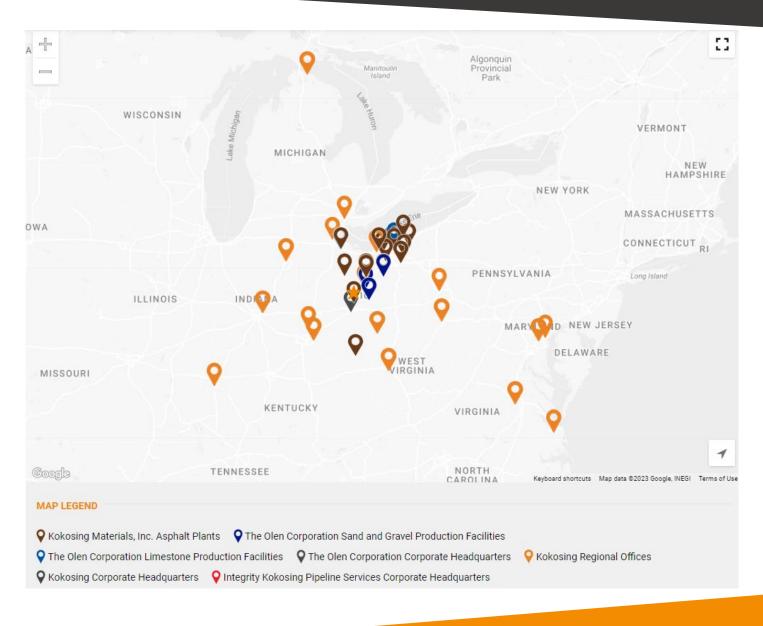






# LOCATIONS

Multiple locations in the Midwest and Mid-Atlantic



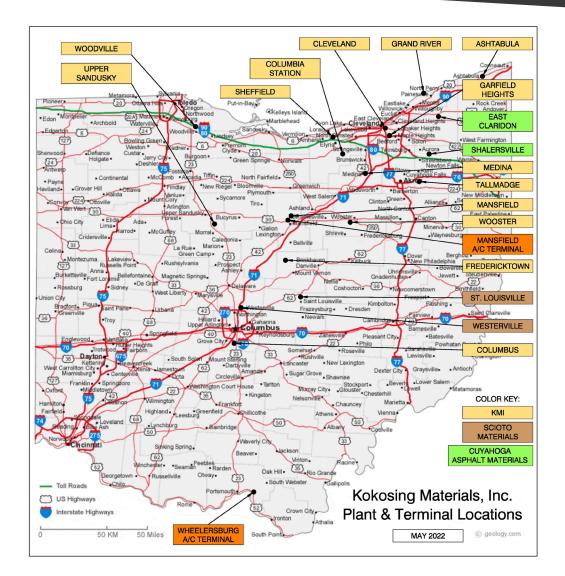






# **ASPHALT LOCATIONS**

• Kokosing Materials Inc. (KMI) has 20 plant/terminal locations across the state of Ohio.









## LOW BID?



As I hurtled through space, one thought kept crossing my mind every part of this rocket was supplied by the lowest bidder.

— John Glenn —

AZQUOTES

<u>Federal</u> <u>State</u> E170(088)

<u>Bid Amount</u> \$6,646,814.33 \$6,647,355.65







# **RISK AND PRICE**

- You pay more to reduce your risk
- You get paid more to take on risk





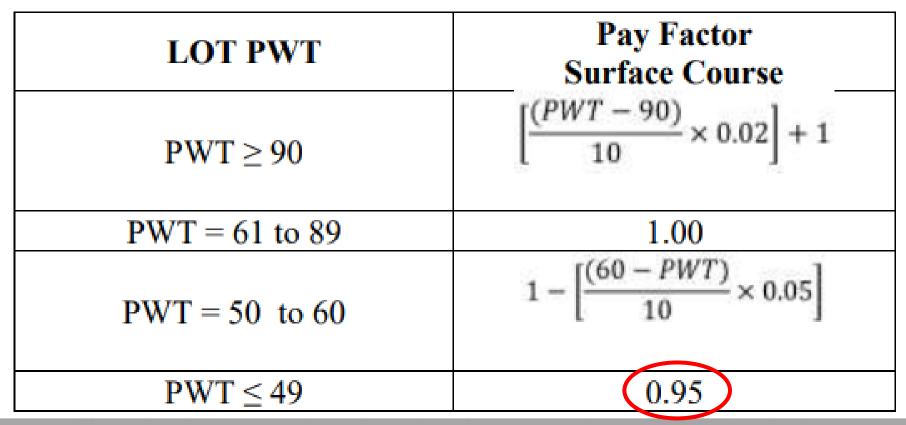






### **INDUSTRY INPUT**

#### TABLE 447.05-1 JOINT DENSITY LOTS









# VOLUNTARY TRIALS

• Tapered wedge

- $\circ$  Notched wedge
- Cutter on backhoe bucket
- Backup while the mat was still 'warm'
- $\circ$  Trim with mill













## NOT A BEAUTY CONTEST

- Don't starve the joint
- A nice looking joint is not a well compacted joint











#### **POTENTIAL DEVELOPMENTS**

#### **HOT SHOULDER JOINT NEEDED?**

**447.02 Joint Construction**. Make a hot longitudinal joint between the mainline pavement lane and the adjoining shoulder and all ramps and the adjoining shoulders. If a hot longitudinal joint is specified between the mainline pavement lanes, the Contractor may construct a cold longitudinal joint between the mainline pavement lanes and the adjoining shoulders. Cold longitudinal joints will be tested according to 447.05.







### **OTHER APPLICATIONS**

#### ODOT SS 874 – LONGITUDINAL – JOINT PREPARATION

A. Method 1. Use either a minimum 10-inch (250 mm) diameter cutting wheel attached to self-propelled equipment, or planing equipment conforming to C&MS Item 254 *Pavement Planing*.

Use equipment conforming to Supplemental Specification 875 Longitudinal Joint Adhesive.

**B.** Method 2. Use equipment conforming to Supplemental Specification 872 Void Reducing Asphalt Membrane.







# SUMMARY/CONCLUSIONS

- Specify results, not methods
  - The low bid environment will drive contractors to the best way to give you what you want
- Increased risk increases price
  - Avoid overly-punitive specs
- Solicit industry input and listen
  - We may have ideas to help you get what you want

- Allow voluntary trials
  - Allowed contractors to try methods with very low risk
- Change one thing at a time
  - Innovation is great, but you need to know what worked
- Recognize additional benefits
  - Look for new applications ability to change old specs







#### **QUESTIONS?**



