

Illinois Department of Transportation  
Bureau of Materials

Qualified Product List  
**ELASTOMERIC BEARINGS**

May 17, 2024

This list supersedes the April 29, 2022 list.

Standard Specifications for Road and Bridge Construction (current year issued).

**Section 1083: ELASTOMERIC BEARINGS**

1400-03 <a href="#">Tobi Engineering Inc., 27709 West Concrete Drive, Ingleside, IL 60041</a> Contact: Kathy Korshak Phone: (847) 724-7880 Email: Kathy@tobiengineering.com		
IDOT Material Code	Product Description	Specifications
70303/M	Pads, Bearing, Elastomeric Composite Type I	As specified in the Standard Specifications
70306/M	Pads, Bearing, Elastomeric PTFE Type II	As specified in the Standard Specifications
70323	Pads, Bearing, Elastomeric PTFE Type III	As specified in the Standard Specifications

  

256-01 <a href="#">D.S. Brown Company, 300 E Cherry St., North Baltimore OH 45872</a> Contact: Adam Wellington Phone: (419) 257-3561 Email: awellington@dsbrown.com		
IDOT Material Code	Product Description	Specifications
70303/M	Pads, Bearing, Elastomeric Composite Type I	As specified in the Standard Specifications
70306/M	Pads, Bearing, Elastomeric PTFE Type II	As specified in the Standard Specifications
70323	Pads, Bearing, Elastomeric PTFE Type III	As specified in the Standard Specifications

  

256-02 <a href="#">D.S. Brown Company, 518 Progress Way, Athens, TX 75751</a> Contact: Adam Wellington Phone: (419) 257-3561 Email: awellington@dsbrown.com		
IDOT Material Code	Product Description	Specifications
70303/M	Pads, Bearing, Elastomeric Composite Type I	As specified in the Standard Specifications
70306/M	Pads, Bearing, Elastomeric PTFE Type II	As specified in the Standard Specifications
70323	Pads, Bearing, Elastomeric PTFE Type III	As specified in the Standard Specifications

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<b>5522-02</b>		
<b><a href="#">Cosmec Inc</a>, 1501 Rocky Ridge Road, Athens, TX 75751</b>		
<b>Contact: Abby Mims Phone: (903) 677-2871 Email: amims@cosmecinc.com</b>		
<b>IDOT Material Code</b>	<b>Product Description</b>	<b>Specifications</b>
70303/M	Pads, Bearing, Elastomeric Composite Type I	As specified in the Standard Specifications
70306/M	Pads, Bearing, Elastomeric PTFE Type II	As specified in the Standard Specifications
70323	Pads, Bearing, Elastomeric PTFE Type III	As specified in the Standard Specifications

  

<b>3140-02</b>		
<b><a href="#">Scougal Rubber Corporation</a>, 885 Denmark Drive Suite 103, McCarran NV 89434</b>		
<b>Contact: Brad Streeter Phone: (775) 284-8500 Email: brads@scougalrubber.com</b>		
<b>IDOT Material Code</b>	<b>Product Description</b>	<b>Specifications</b>
70303/M	Pads, Bearing, Elastomeric Composite Type I	As specified in the Standard Specifications
70306/M	Pads, Bearing, Elastomeric PTFE Type II	As specified in the Standard Specifications
70323	Pads, Bearing, Elastomeric PTFE Type III	As specified in the Standard Specifications

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## **Section 1083: ELASTOMERIC BEARINGS**

### **Elastomeric Bearings**

Elastomeric bearings shall consist of steel laminated elastomeric pads or assemblies of steel laminated elastomeric pads with externally bonded structural steel bearing plates, structural steel top bearing plate, and required stainless steel and PTFE sheets, as shown on the plans and as specified. The bearing manufacturer shall furnish to the Engineer of Tests at the Bureau of Materials (126 East Ash Street, Springfield, IL 62704) a purchase order for each contract. The purchase order shall contain, as a minimum, the quantity and size of each type of bearing to be furnished.

### Elastomeric Bearing Type I

If a pad is to be sampled for testing, Bureau of Materials will notify the pad manufacturer and the involved district. One extra pad may then be sent to the job site or supplier. The inspector shall pick one pad at random for testing.

### Elastomeric Bearing Type II and III

The sampling procedure is the same as for the Type I bearing; however, the manufacturer shall also supply samples of Polytetrafluoroethylene (PTFE), Polyether Urethane, stainless steel, and fasteners from the same lots as used in the bearing request by the Bureau of Materials. The top steel plate and the bottom steel plate on the Type II and Type III bearings shall be attached to the rubber during the vulcanizing process. A bonding epoxy is not permitted to attach the steel plates. The inspector shall visually check tests pads for evidence of extrusions of epoxy.

### **Unacceptable Bearings**

If the original test specimen tested is found to be unacceptable, two additional bearing assemblies will be tested. If both are acceptable, the lot will be accepted. If either of the two additional bearing assemblies is unacceptable, the lot will be rejected. The Contractor shall have a new lot produced, including one additional test bearing. No payment will be made for the original failed bearing assembly or any subsequent test assemblies.

### **Probationary Status**

Once a manufacturer has produced a bearing that has been found unacceptable the manufacturer will be put on probationary status. The probationary status will be in effect for a 12-month time frame or have had 6 bearings tested and found acceptable from different contracts that have been produced for Illinois Department of Transportation (IDOT) usage. These will be considered additional test bearings required to satisfy IDOT that all applicable test specifications are being followed. These bearings will not be paid for by IDOT.

If during this probationary status any bearings are found to be unacceptable the producer will be removed from the Qualified Producer List. To be reinstated on the qualified list the manufacturer will be required to be re-inspected and will be sampled per contract for the first 6 contracts. If during this re-certification time period any bearings fail to meet specifications the producer will be deemed non-qualified to produce Elastomeric Bearings for IDOT usage.

**Testing frequency is approximately every 125 bearings produced and as requested by the Bureau of Materials. Bearing producers shall provide Central Bureau of Materials with a copy of the purchase order for all IDOT and Tollway contracts. Send all purchase orders to Dan Bacon at Daniel.Bacon@Illinois.gov.**

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## **Section 1083: ELASTOMERIC BEARINGS**

### **Submittal for Testing and Approval**

#### **A. Scope**

Before elastomeric bearings may be used for a Department project, the manufacturer shall provide documentation that his/her product meets the requirements as specified in [the Standard Specifications for Road and Bridge Construction Section 1083](#). The following guidelines are provided to clarify the submittal requirements and expedite the process.

#### **B. Procedure**

When requesting producer/supplier status with the Department, the following shall be included in the certification:

- Manufacturer name and internet address (if applicable),
- The specific product brand name, (if private label must provide original product name)
- Safety Data Sheet (if applicable),
- Technical Data Sheet,
- A signed letter stating the subject material will not be changed without written notification to the Department, and
- Contact person's name, title, address, email address, and phone number.
- Acknowledgment by Company ([Form BMPR 101](#)). If your company does not already have a product included on IDOT QPL, please submit a signed copy of the Acknowledgment by Company form with your product submittal.

To be listed on the Illinois Qualified Producer List, a producer shall be [AASHTO Product Evaluation & Audit compliant \(or, at a minimum, be scheduled for an audit through the AASHTO Product Evaluation & Audit Program within the calendar year after submittal to be on the Qualified Producer List\)](#) and at the Bureau's discretion may be inspected by IDOT. When possible, [and when the Bureau deems it necessary](#), IDOT may conduct an inspection during the [audit performed by AASHTO Product Evaluation & Audit](#). Depending on the material, test samples shall be required to obtain a producer/supplier number.

Please contact [Michael Aldridge at \(217\) 588-2091](#) for sample size as sizes vary depending on the material type. The sample and certification shall be sent to:

Illinois Department of Transportation  
Bureau of Materials  
Attn: [Michael Aldridge](#)  
126 East Ash Street  
Springfield, IL 62704-4766