

## Metal Pipe Culvert

The following steel sheet manufacturers are qualified to furnish sheet metal to the various pipe fabricators in the fabrication of metal culvert pipe to be used on ARDOT projects. Qualified Brand Designations are also listed:

### Fabricators

	<u>Plant Type</u>
<b>Contech Engineered Solutions</b>	
Greenville, MS	Greenville, MS (Plant)
North Little Rock, AR	North Little Rock, AR (Distribution)
Shakopee, MN	Shakopee, MN (Plant - FES)
Sikeston, MO	Sikeston, MO (Plant)
Sulphur Springs, TX	Sulphur Springs, TX (Plant)
Taylor, TX	Taylor, TX (Plant)
Topeka, KS	Topeka, KS (Plant)
Walnut Ridge, AR	Walnut Ridge, AR (Plant)
<b>Dub Ross Company</b>	
Oklahoma City, OK	Oklahoma City, OK (Plant)
<b>J &amp; J Drainage Products Company</b>	
Hutchinson, KS	Hutchinson, KS (Plant - FES)
<b>Metal Culverts, Inc.</b>	
Jefferson City, MO	Columbia, MO (Plant)
Jefferson City, MO	Jefferson City, MO (Plant)
Jefferson City, MO	Maryville, MO (Plant)
<b>Wilson Culverts, Inc.</b>	
Elkhart, TX	

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### Steel Coating Producers

#### Zinc Coated (Galvanized) Culverts and Underdrains (AASHTO M 36, M 218)

		<u>Brand</u>
AK Steel Corporation	West Chester, OH	AK Steel
California Steel Industries, Inc.	Fontana, CA	CSI
Nucor Steel - Arkansas	Blytheville, AR	NUCOR-AR
Nucor Steel - Berkeley	Mount Pleasant, SC	NUCOR-SC
Severstal Columbus LLC	Columbus, MS	Severstal
Steel Dynamics, Inc.	Butler, IN	SDI Steel Dynamics, Inc.
United States Steel Corp.	Braddock, PA	U.S.S.
USS-POSCO Industries	Pittsburgh, CA	USS-POSCO
Worthington Steel	Columbus, OH	WS Worthington Steel

#### Aluminum Coated (Type 2) Culverts and Underdrains (AASHTO M 36, M 274)

		<u>Brand</u>
AK Steel Corporation	West Chester, OH	AK Steel Aluminized T 2
Severstal Columbus LLC	Columbus, MS	Severstal
United States Steel Corporation	Dravosburg, PA	U.S.S.

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### Aluminum-Zinc Alloy Coated Corrugated Steel Pipe (AASHTO M 36, AASHTO M 289)

Brand

None Approved

### Corrugated Aluminum Pipe (AASHTO M 196, AASHTO M 197)

Brand

None Approved

### Asphalt Coated Corrugated Metal Pipe (AASHTO M 190, Type A)

Brand

None Approved

### Polymer Precoated Metallic Coated Steel Pipe Culverts (AASHTO M 245, AASHTO M 246)

Brand

AK Steel Corporation

Middletown, OH

AK Steel

Severstal Columbus LLC

Columbus, MS

Severstal

Worthington Steel

Columbus, OH

Worthington Steel  
(Trenchcoat)

#### Method of Documentation of Acceptance:

A Certificate of Compliance shall be furnished by the pipe fabricator for each shipment to the Resident Engineer. Information on the certificate shall include the state job number or purchase order number, consignee, size and length of pipe, sheet manufacturer or brand, sheet manufacturer plant location, heat numbers from which the pipe was fabricated, a signed statement of certification, and the manufacturing plant name and location. In addition, the Resident Engineer shall check the delivered pipe for workmanship, damage that may have occurring during shipping, and thickness of the asphalt coating (if applicable).

#### Method of Approval:

For inclusion to the Arkansas Qualified Products List, three (3) non-corrugated sample coupons of each type coated sheet (1.25 to 1.35 inch on each side for square samples or 1.20 to 1.95 inch diameter for round

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samples) must be provided to the Materials Division. Mill analysis paperwork must be supplied for the samples provided. Additionally, provide a list of your current sheet metal suppliers (with plant locations) and typical mill test reports from each. Mill test reports must include all documentation to show compliance with the Buy America provisions, including certifications from the original melting mill.

Metal pipe culvert, flared end sections (FES) and safety end sections (SES) will be accepted by the Arkansas Department of Transportation (ARDOT) based on the fabricator's certification that the product meets all requirements of the applicable Department specifications:

- One copy of the Certificate of Compliance shall be furnished to the Resident Engineer.
- A Certificate of Compliance shall be furnished by the pipe fabricator for each shipment. The Certificate of Compliance furnished shall be as specified in Section 14 of AASHTO M 36 or Section 14 of AASHTO M 245, stating that representative samples of the listed materials have been tested and that the test results conform to the applicable requirements. Information on the certificate shall also include the state job number or purchase order number, consignee, size and length of pipe, sheet manufacturer or brand, sheet manufacturer plant location, type of metallic coating, heat numbers from which the pipe was fabricated, and the manufacturing plant name and location. Certificates of Compliance may be in the form of the proper certified statement on a cover letter or shipping papers. The Certificate of Compliance shall also include a statement that all products are melted and manufactured in the United States and comply with the Buy America provisions.
- Test results shall be maintained by the sheet manufacturer and be made available as provided in Section 9 of AASHTO M 218, Section 8 of AASHTO M 246, Section 9 of AASHTO M 274 or Section 11 of AASHTO M 289. The pipe manufacturer shall maintain copies of the certified mill test reports for sheet metal used on pipe furnished to ARDOT projects. These shall be reviewed for conformance with the referenced specifications, including an acceptable statement of domestic origin.
- For sheet metal products, misbranding or other misrepresentation and non-uniformity of product will each be considered a sufficient reason to discontinue the acceptance of any brand. Notice sent to the sheet manufacturer will be considered to be notice to all culvert companies which handle that particular brand.
- When deemed necessary by the Materials Engineer and at a frequency determined by same, samples shall be taken in accordance with Section 12 of AASHTO M 36 or Section 12 of AASHTO M 245 on a random basis at each fabricating plant or at the job site. Samples collected shall be submitted to the Materials Division.

**The following will also apply for products containing iron or steel:**

All iron and steel material used on Department projects must comply with the "Buy America" requirements and the Department's "Standard Specifications for Highway Construction", Subsection 106.01. This means all manufacturing processes of iron and steel in a product (i.e., smelting/remelting and any subsequent process which alters the steel material's physical form or shape or changes its chemical composition) must occur within the United States to be considered of domestic origin. This includes processes such as rolling, extruding, machining, bending, grinding, drilling, and applying coatings. The use of pig iron or processed, pelletized and reduced iron ore manufactured outside of the United States is permitted in the domestic manufacturing process for steel and/or iron materials. All steel and iron mill test reports must include a certified statement that all manufacturing processes for the iron or steel product occurred in the United States. Each supplier/fabricator of an intermediate product will also certify that the product complies with the "Buy America" requirements.

Failure of a pipe fabricator to comply with certification procedures will be considered sufficient reason to discontinue the acceptance of fabricated pipe from his plant.

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**Acceptance of pipe culvert by this method is subject to withdrawal for failure to comply with the above requirements. Please acknowledge agreement to the above requirements by signing and returning a copy of this letter for our files.**

**No information contained in these lists is to be used for promotional purposes.**