TEXAS FOREST SERVICE

Best Management Practices

- Product and Vendor Guide -

Revised September 2011

This guide consolidates information needed to obtain materials for road and stream crossing construction. The price information in this guide is approximated and may vary with distance from distributors, fuel prices, etc. *All prices are subject to change.*

More contact information for each distributor (except for the fill material distributors) is listed on the last page of this guide. For most products, there are sources available other than those listed.

Detailed information of each product is available from the Water Resources Program. If you need specific information about the use of a product, call Hughes Simpson at (936) 639-8180 or e-mail us at hsimpson@tfs.tamu.edu.

This is not an exhaustive list. If you know of additional sources from which materials may be obtained, please let us know.

The Texas Forest Service does not endorse the use of specific products or vendors listed in the contents of this guide.

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GEOTEXTILE FABRICS

Application: Geotextiles, often called construction fabric, are the most widely used geosynthetic. They are constructed from long lasting synthetic fibers that are bonded together to form a fabric held together by weaving, heat bonding, or other means. They are primarily used for separation or reinforcement over wet, unstable soils. Geotextile fabrics are typically used in conjunction with geocell or geogrid.

Note: Geotextiles are photodegradable; they must be stored out of the sunlight.

Price Range: \$0.55 to \$0.80 per square yard for non-woven geotextiles.

\$0.65 to \$1.00 per square yard for woven geotextiles.

Quantities: Sold by the roll. One roll will cover 500 to 600 square yards (150 ft. of road) and

will weigh 120 to 150 pounds.

Distributors:

CMC Construction Services

(800) 375-4004 or (225) 751-4000

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

Maccaferri, Inc.

(972) 436-2974

PROPEX Geosynthetics

(281) 725-4230

Seabreeze Culvert, Inc.

(800) 732-7895 or (409) 296-4098

GEOGRIDS

Application: Geogrids are made from polyethylene sheeting that is formed into open grid-like configurations. Geogrids are good for reinforcement because they have high tensile strengths and coarse aggregate can interlock into the grid structure.

Price Range: \$1.60 to \$5.00 per square yard (the higher cost products are made from coated

polyester).

Quantities: Typically sold by the roll (13.1' X 164'). May be ordered in specific dimensions.

One standard roll weighs 75 to 100 pounds.

Distributors:

CMC Construction Services

(800) 375-4004 or (225) 751-4000

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

Maccaferri, Inc.

(972) 436-2974

Seabreeze Culvert, Inc.

(800) 732-7895 or (409) 296-4098

Tensar International Corporation

(214) 937-3690

GEOCELLS

Application: Geocells are made from polyethylene strips 2 to 8 inches high that are bonded to form a honeycomb structure. The product is shipped in a collapsed and compact form. Geocells may be used as a low-water crossing or as a wet-area crossing. It works best in areas with flat approaches to the crossing and with a fairly firm base. Used in perennial and intermittent streams, water may flow over the geocells, which prevents lateral movement of the fill material and provides for a stable base for traffic. It is recommended that a geotextile fabric be installed under the geocells. Type of fill materials will be influenced by expected stream velocities.

Price Range: \$150 - \$400 per unit.

Quantities: Typically sold by the sheet (8' X 20'). Four inch deep sheets are adequate for

light traffic (pick-up trucks and small tractors), while eight inch deep sheets are

recommended for heavy traffic (large tractors and logging traffic.)

Distributors:

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

RENO MATTRESS

Application: A reno mattress is comparable to a box spring mattress from a bed. It differs in that it is made from a product similar to chain-link fencing. The mattress is place in the stream when it is filled up with fist-size rock and the top is wired shut. This product serves to hold rock in place for a low water crossing. It differs from Geoweb in that it does not necessarily need to be installed flush with the bottom of the stream channel. The open characteristics of the wire will allow for water to flow through the mattress as well as over the top. This product comes as galvanized wire or can be coated with PVC to extend the life of the product.

RENO MATTRESS SIZES AND PRICES						
Length	Width	Thickness	Number of Cells	Capacity (cubic yards)	Price Galvanized	Price PVC-Coated
(feet)	(feet)	(inches)	Cens	(cubic yards)	Garvanizeu	PVC-Coaled
12	6	6	4	1.33	\$89.00	\$132.00
12	6	9	4	2.00	\$97.00	\$153.00
12	6	12	4	2.67	\$102.00	\$156.00
9	6	6	3	1.00	\$69.00	\$105.00
9	6	9	3	1.50	\$75.00	\$117.00
9	6	12	3	2.00	\$81.00	\$130.00

Distributors:

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

Maccaferri, Inc.

(972) 436-2974

GABION BASKETS

Application: Gabion baskets look like chain link fencing material. They are made from both zinc-coated wire and zinc-coated with a PVC sleeve. The baskets are primarily used as retaining structures, and may be appropriate for use in stream crossings. Baskets are typically filled with 6" or larger stones (no fines). One drawback is that rock must be placed by hand.

GABION BASKETS SIZES AND PRICES						
Length	Width	Height	Number of	Capacity	Price	Price
(feet)	(feet)	(feet)	Cells	(cubic yards)	Galvanized	PVC-Coated
6	3	3	2	2.00	\$63.00	\$80.00
9	3	3	3	3.00	\$91.00	\$117.00
12	3	3	4	4.00	\$115.00	\$147.00
6	3	1.5	2	1.00	\$43.00	\$54.00
9	3	1.5	3	1.50	\$62.00	\$78.00
12	3	1.5	4	2.00	\$78.00	\$102.00
6	3	1	2	0.66	\$38.00	\$47.00
9	3	1	3	1.00	\$54.00	\$67.00
12	3	1	4	1.33	\$67.00	\$88.00
4.5	3	3	1	1.50	\$54.00	\$65.00
6	3	2	2	1.33	\$56.00	\$68.00
12	2	2	4	1.78	\$65.00	\$79.00
12	4.5	3	4	6.00	\$170.00	\$210.00

Distributors:

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

Maccaferri, Inc.

(972) 436-2974

GEO-Solutions, Inc.

(512) 330-0796

Seabreeze Culvert, Inc.

(800) 732-7895 or (409) 296-4098

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

CULVERTS

Application: There is a tremendous variation in culvert size and type. Three "main types" that seem to emerge by their use in forestry operations are galvanized steel, aluminum, and polymer-coated galvanized steel. Aluminized, asphalt coated, plastic, and fiberglass are less common types but may also be appropriate.

Specifications:

Types	Description	Average Life Span*
Galvanized Steel	Most common	15 years
Aluminum	Very light, but easily crushed	50 years
Polymer-coated Galvanized	Relatively heavy; must handle with care	30-50 years
Plastic	Relatively light; gaining Popularity	30 years
Aluminized	Relatively light	30 years
Fiberglass	Very heavy, but inexpensive	50 years

^{*}Note that life spans are not definite – they vary with soil type, water and soil acidity, and manufacturer's claims.

Size/Price*:

Types	24 inch	36 inch	48 inch	<u>60 inch</u>
Galvanized Steel	\$20.00	\$30.00	\$39-48.00	\$59.00
Aluminum	\$32.00	\$46.00	\$72.00	\$128.00
Polymer-coated Galvanized	\$30.00	\$45.00	\$49-72.00	\$72-89.00
Plastic (N12 double wall)	\$20.00	\$25-39.00	\$64-81.00	\$107-119.00
Aluminized	\$26.00	\$39.00	\$43-62.00	\$64-77.00

^{* &}lt;u>Approximate</u> prices are for standard 16 gauge per linear foot. Heavier gauges cost more. Some items are priced per order; call for quote.

Other diameters, gauges and materials may also be available.

Other related items may be available - spiral lock seam steel culverts, elbows, tees, Y's, slotted drains, connecting bands, safety end sections - or may be manufactured with specifications.

Arched Culverts: Culverts vary by shape as well. Arched culverts are "short" and egg-shaped, and work well where sufficient head or fill height is of concern. They may also require use of a heavier gauge to facilitate the arching process, thereby increasing the cost. The cost of arched culverts may generally be calculated by adding 7% to the initial culvert cost.

Culvert Sizing: It cannot be emphasized enough the importance of properly sizing culverts! Cheaper is not always better, and a 6" rain will sure prove it. Refer to the chart below when sizing culverts.

		Light Soil (Sands)	ls	N	Iedium So	oils		Heavy So (Clays)	
ACRES DRAINED	Flat	Mod.	Steep	Flat	Mod.	Steep	Flat	Mod.	Steep
				vert D	iamete	er in In			
5	18	18	18	18	18	24	24	24	24
10	18	18	18	24	24	30	30	30	36
20	18	18	18	24	30	36	36	36	42
30	18	18	18	30	30	36	36	42	48
40	18	18	18	30	36	42	42	48	
50	18	18	18	30	36	48	48	48	
75	18	24	24	36	42				
100	24	24	24	36	48				
150	24	24	24	42					
200	24	30	30	48					
250	30	30	30						
300	30	36	36						
350	30	36	42						
400	36	36	42						

Flat: 0% - 5% slope Moderate (Mod.): 5% - 10% slope Steep: 15%+ slope

Distributors:

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

Rural Pipe and Supply, Inc.

(409) 384-5800

Seabreeze Culvert, Inc.

(800) 732-7895 or (409) 296-4098

Wilson Culverts, Inc.

(800) 234-0084 or (903) 764-5605

TEMPORARY CROSSING MATS FOR HARVESTING OPERATIONS

Application: Temporary crossing mats are used to cross small streams and/or wet areas. They are easily moved from one location to another by a large tractor or skidder. They are relatively inexpensive and prevent the need for fill material associated with culverted crossings.

Drag-Line Mats (Heavy Duty)

Specifications: Mats are constructed of untreated, mixed American hardwoods.

Size/Price Range/Weight: (In some cases, these mats are only sold by the truck load; higher prices for smaller quantities. Check with distributor.)

8 Inches Thick, 4 Feet Wide

Length (ft.)	Cost per Mat	Set of 3	Weight per Mat
16	\$425.00 - 470.00	\$1,410.00	2,800 lbs.
18	\$475.00 - 520.00	\$1,560.00	3,200 lbs.
20	\$540.00 - 550.00	\$1,650.00	3,500 lbs.
24	\$570.00 - 640.00	\$1,920.00	4,200 lbs.

12 Inches Thick, 4 Feet Wide

12	\$475.00		
16	\$645.00		
20	\$775.00 - 815.00	\$2,325.00	5,280 lbs.
24	\$900.00 - 958.00	\$2,700.00	6,300 lbs.
28	\$1,199.00 - 1,295.00	\$3,885.00	7,400 lbs.
30	\$1,395.00 - 1,425.00	\$4,185.00	7,900 lbs.
32	\$1,575.00 - 1,597.00	\$4,725.00	8,400 lbs.

Manufacturers/Distributors:

Gillespie Lumber Company

(936) 569-6158

Quality Mat Company

(800) 227-8159 or (409) 772-4594

Tanner Services

(409) 246-3573

Laminated Drag-Line Mats ("Board Road")

Specifications: Mats are designed for light traffic, or heavy traffic in wet-areas with no

span. Life span is about five years. Includes cables.

Size/Price/Weight: (sold by the truck load; higher prices for smaller quantities)

Size	Cost per Mat	Weight per Mat
12' X 8' X 6" (or 3-ply) (oak)	\$425.00 - 450.00	2,500 lbs.
16' X 8' X 6" (or 3-ply) (oak)	\$535.00 - 555.00	3,300 lbs.
16' X 8' X 6" (or 3-ply) (mixed HW)	\$510.00 - 575.00	3,200 lbs.

Manufacturers/Distributors:

Gillespie Lumber Company

(936) 569-6158

Quality Mat Company

(800) 227-8159 or (409) 772-4594

Panel-Lam® Skidder Mats

Specifications: Panel-Lam[®] Skidder Mats provide a method of crossing small streams or

wetlands with a skidder or truck without creating unnecessary

environmental damage from blockage or silting of the stream. Steel eyes welded on both end plates make convenient attachment points for loading and unloading of the panels and for dragging to the crossing site. They are constructed from 4" X 8" creosote treated timbers. Life span is

approximately 5 years.

Size/Price/Weight:

These mats are sized specific to the size equipment to be used. They generally range from 8' - 40' long and 4' - 8' wide. Thickness is based on the equipment loads. Lifting accessories are also customized for each user. Call for quote.

Manufacturer/Distributor:

Wheeler Lumber Operations

(800) 328-3986 or (952) 929-7854

RAILCARS

Tank Cars

Specifications: Tank cars with the ends cut out. Wall thickness from 1/2 inch to 7/8 inch.

Life span is 30-50 years. Appropriate in larger creeks where conventional

sized culverts are too small.

Size/Price:

<u>Diameter</u>	<u>Length</u>	<u>Cost</u>
6'6" – 7'11"	32' – 40'	Call for delivered price.
8'0" - 8'11"	32' – 50'	Call for delivered price.
9'0" – 9'4"	32' – 50'	Call for delivered price.
9'5" – 10'	40' – 60'	Call for delivered price.

Flat Cars

Specifications: Appropriate for spanning larger streams. Very inexpensive relative to

constructing a bridge.

Size/Weight/Price: 10' X 40' 20,000 pounds *Call for delivered price*

10' X 50' 25,000 pounds Call for delivered price 10' X 60' 38,000 pounds Call for delivered price 8' X 89' 44,000 pounds Call for delivered price 106" X 68 - 89' 44,000 pounds Call for delivered price

Box Car Beds

Specifications: Appropriate for spanning larger streams. Very inexpensive relative to

constructing a bridge. Box car beds are box cars with the top cut off.

They are lighter than the flat cars.

Size/Weight/Price:

10' X 50' 27,000 pounds Call for delivered price.

Distributor:

Railroad Yard (405) 880-2805

MISCELLANEOUS PRODUCTS

Portable / Modular Bridges

Specifications: Available in spans from 16 feet to over 150 feet; 4 ¹/₄-inch deep steel deck.

For temporary installations, can shop-install a timber running surface over

the steel deck. Permanent structures can be covered with asphalt.

Size/Price/Weight: *Call for quotes.*

Distributor:

Big R Bridge

(800) 234-0734 or (970) 302-2511 or (817) 225-0851

Steel Pipe

Size/Price:

18" X 40' \$26.00/ft. 24" X 40' \$39.00/ft. 20" X 40' \$31.00/ft. 48" \$124.00/ft.

Distributor:

Rural Pipe and Supply, Inc.

(409) 384-5800

Silt Fencing

Application: Appropriate for use as an erosion barrier.

Price/Size: Standard roll (3' X 100') costs \$30.00 and weighs 55.0 lbs.

Silt fencing backed with wire for \$90.00 for a roll (3' X 100')

Both rolls come with pre-attached posts for installation.

Distributor:

CMC Construction Services Hanes Geo Components

(800) 375-4004 or (225) 751-4000 (800) 251-1008 or (713) 957-0200 or

(800) 454-0860

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

PROPEX Geosynthetics

(281) 725-4230

GEO-Solutions, Inc.

(512) 330-0796

Temporary Erosion Control Blankets

Application: Appropriate for use on exposed soils to prevent erosion, in particular along slopes. Provides stable erosion protection that locks seed and soil in place.

Type/Size/Price:

Single net straw	100 sq. yd. per roll	\$24.00 per roll
Double net straw	100 sq. yd. per roll	\$28.50 per roll
Coconut fiber	100 sq. yd. per roll	\$70.00 per roll

Distributors:

American Excelsior Company

(800) 777-7645 or (817) 385-3500

CMC Construction Services (800) 375-4004 or (225) 751-4000

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or

(800) 454-0860

Maccaferri, Inc.

(972) 436-2974

PROPEX Geosynthetics

(281) 725-4230

Seabreeze Culvert, Inc.

(800) 732-7895 or (409) 296-4098

Turf Reinforcement Mats

Application: For applications requiring immediate, long-term erosion protection and vegetative reinforcement. Provides stable erosion protection that locks seed and soil in place.

Price Range: \$9.00 to \$18.00 per square yard (includes installation estimation).

Distributors:

American Excelsior Company

(800) 777-7645 or (817) 385-3500

CMC Construction Services

(800) 375-4004 or (225) 751-4000

CONTECH Construction Products, Inc.

(281) 893-6012 or (903) 243-8520

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or

(800) 454-0860

Maccaferri, Inc.

(972) 436-2974

PROPEX Geosynthetics

(281) 725-4230

Seabreeze Culvert, Inc.

(800) 732-7895 or (409) 296-4098

Erosion Control Logs

Application: Appropriate for use as an erosion barrier.

Type / Diameter	10' Length	20' Length
Straw log 9"	\$14.00	\$21.00
Straw log 12"	\$17.50	\$28.00
Straw log 20"	\$25.00	\$50.00
Aspen fiber log 9"	\$18.00	\$35.00
Aspen fiber log 12"	\$20.00	\$37.00
Aspen fiber log 20"	\$37.00	\$72.50
Coir log 9"	\$40.00	N/A
Coir log 12"	50.00	N/A

Distributors:

American Excelsior Company (800) 777-7645 or (817) 385-3500

CMC Construction Services (800) 375-4004 or (225) 751-4000

GEO-Solutions, Inc. (512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or

(800) 454-0860

Maccaferri, Inc. (972) 436-2974

Paving Fabric

Application: Used as a low-cost alternative in strength reinforcement for asphalt paving that helps increase the service life of the roadway and can be milled up in a rehabilitation project.

Specifications: Comes in 12.5' wide and 360' long rolls that cover 500 square yards.

With varying thicknesses, coast ranges from around \$185.00 to \$260.00

per roll.

Distributor:

(972) 436-2974

CMC Construction Services PROPEX Geosynthetics

(800) 375-4004 or (225) 751-4000 (281) 725-4230

GEO-Solutions Tanner Services (512) 330-0796 (409) 246-3573

Maccaferri, Inc.

Hydromulches

Application: Slope rehabilitation and stabilization. The products are often used for revegetation after large forest fires as well as stabilizing large road cuts. Probably limited in forestry practices; however, information is available if the need arises.

Quantities: 40 bales per ton

Rates: Average application rates vary but average 800 lbs. of fiber per acre.

Prices: Average price is \$600 per ton. Paper mulch - \$300/ton; 100% wood mulch - \$500/ton; premium product - \$1,600/ton.

Distributors:

American Excelsior Company

(800) 777-7645 or (817) 385-3500

Finn Corporation

(800) 543-7166 or (513) 874-2818

GEO-Solutions, Inc.

(512) 330-0796

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

Hydroseeders

Application: Use in applying hydromulches.

Prices: Prices range from \$8,500 for 300 gallon seeders to \$70,000 for 4,000 gallon seeders.

Distributor:

Finn Corporation

(800) 543-7166 or (513) 874-2818

Grass Seed

Distributor:

Hanes Geo Components

(800) 251-1008 or (713) 957-0200 or (800) 454-0860

FILL MATERIALS

<u>Distributor</u>	<u>Phone</u>	<u>Product</u>
Lee's Gravel, Linden	(903) 756-5387	Iron Ore, Washed Gravel
Green Rock Co., Alto	(936) 858-4888	Limestone Road Base
Hicks Rock, Alto	(936) 858-7625	Glauconite (road base), Clay Fill Dirt
Transit Mix Concrete & Materials Co., Nacogdoches	(936) 569-9571	Crushed Limestone
East Texas Asphalt, Lufkin	(936) 639-2215	Crushed Limestone, Washed Limestone, Fill Dirt
Jack Alexander, Inc., Lufkin (public sales at Rosevine & San Augustine)	(936) 632-3634	Glauconite - Road Base, 2x4 Filter Rock, Rip-rap
Smith & Company / Pavers Supply, Conroe	(936) 756-6960	Crushed Limestone, Crushed Concrete
N & H Materials and Construction Co. Cut-n-Shoot	(936) 264-3322	Crushed Concrete, Crushed Sandstone, Fill Dirt, Crushed Asphalt Washed Sand and Gravel, Rip-rap
Texas Landscape Products, Magnolia	(281) 252-4651	Crushed Limestone, Crushed Concrete, Crushed Granite, Decomposed Granite, Aggregate (river rock)

Product	Cost Per Ton*
Crushed Limestone	\$18.00 - \$50.00
Washed Limestone	\$32.00
Crushed Concrete	\$17.00 - \$32.00
Crushed or Decomposed Granite	\$35.00
Washed Gravel	\$42.50/yard
Aggregate (river rock)	\$45.00
Fill Dirt	\$15.00
Crushed Sandstone, Crushed Asphalt, Washed Sand / Gravel, Rip-rap, Iron Ore, Glauconite	Please call for quote.

^{*} Note that one ton is equal to approximately 1.35 cubic yards. <u>Price does not include tax or hauling fee</u>. Some businesses charge flat rates per mile and some charge hourly fees.

DISTRIBUTORS

American Excelsior Company

850 Ave. H

Arlington, TX 76011

Phone: (800) 777-7645 or (817) 385-3500

FAX: (817) 385-3585

Email: sales@americanexcelsior.com
Website: www.americanexcelsior.com

Big R Bridge

P. O. Box 1290

Greeley, CO 80632-1290

Phone: (800) 234-0734 or (970) 356-9600

FAX: (970) 356-9621 info@bigrbridge.com www.bigrmfg.com www.bigbridge.com Aaron Clauson

Phone: (817) 225-0851 Cell: (970) 302-2511

Email: <u>aaron@bigrbridge.com</u>

CMC Construction Services

Baton Rouge: 18909 Highland Road Phone: (800) 375-4004 or (225) 751-4000

FAX: (225) 751-0753 Conroe: 2309 N. Frazier Phone: (936) 441-4450 FAX: (936) 441-4461

CONTECH Construction Products, Inc.

Ken Kennedy, Sulphur Springs

Phone: (903) 885-0673 Cell: (903) 243-8520

Email: kennedyk@contech-cpi.com

Lamar Smith, Houston Phone: (281) 893-6012 Cell: (281) 740-5995 Fax: (281) 893-6026

Email: smithl@contech-cpi.com
Ken Wunderlich, The Woodlands

Cell: (832) 279-5813

Email: wunderlichk@contech-cpi.com

Website: www.contech-cpi.com

Finn Corporation

9281 LeSaint Drive Fairfield, OH 45014

Phone: (800) 543-7166 or (513) 874-2818

Fax: (513) 874-2914

Website: www.finncorp.com

GEO-Solutions, Inc.

4417 Burleson Rd. Austin, TX 78744 (512) 330-0796

Email: grant@geosolutionsinc.com Website: www.geosolutionsinc.com

Gillespie Lumber Company

Mill: 8211 S. Hwy. 59 Nacogdoches, TX 75964 Phone: (936) 569-6158 FAX: (936) 569-6442

Website: www.gillespielumber.com

Hanes Geo Components

Houston: 1243 N. Post Oak

Phone: (800) 914-0072 or (713) 957-0200

FAX: (713) 957-0215

Austin: 4101 S. Industrial Dr., Ste. 100

Phone: (800) 454-0860 FAX: (512) 670-2035

Grapevine: 615 Westport Pkwy., Suite 300

Phone: (800) 251-1008 FAX: (817) 527-4557

Website: www.hanesgeo.com

Maccaferri, Inc.

Jason Fernberg - Area Manager 1120S. Texas St., Suite F Lewisville, Texas 75057-4833

Phone: (972) 436-2974 FAX: (972) 219-1639

Email: <u>jfernberg@maccaferri-usa.com</u>
Website: <u>www.maccaferri-usa.com</u>

North American Green

Clyde Windham, Regional Sales Manager 507 Meadowlake Lane

Heath, TX 75023

Phone: (972) 772-4294, ext. 419

FAX: (972) 772-4696

Email: cwindham@nagreen.com
Website: www.nagreen.com

PROPEX Geosynthetics

Quiana Cleveland

Cell phone: (281) 725-4230 FAX: (423) 553-3037

Email: quiana.cleveland@propexus.com

Website: www.geotextile.com

Quality Mat Company

John Penland, Sales Representative 6550 Tram Road Beaumont, TX 77713

Phone: (800) 227-8159 or (409) 772-4594

FAX: (409) 892-6415 Email: qmat2000@aol.com Website: www.qmat.com

Railroad Yard

Truman Starr P. O. Box 473 Elkhart, TX 75839 Phone: (405) 880-2805

Rural Pipe and Supply, Inc.

809 Visador Rd. Jasper, TX 75951 Phone: (409) 384-5800

Fax: (409) 384-9363

Seabreeze Culvert, Inc.

Ed Meaux, Sales Representative

P.O. Box 6

Stowell, TX 77661

Phone: (800) 732-7895 or (409) 296-4098

Fax: (409) 296-4099

Email: ed@seabreeze-culvert.com
Website: www.seabreeze-culvert.com

Tanner Services

Gary Bryant, Operations Manager North

4527 Hwy. 327 Kountze, TX 77625 Phone: (800) 362-2464 Cell: (409) 767-0075

Email: gbryant@tannerservices.net
Website: www.tannerservices.net

Tensar International Corporation

Stephen Archer, Area Manager 3010 Gaylord Parkway, Suite 170

Frisco, TX 75034 Phone: (214) 937-3690 Fax: (214) 937-3689

Website: http://www.tensarcorp.com/TriAx/

Wheeler Lumber Operations

9330 James Ave. South Bloomington, MN 55431

Phone: (800) 328-3986 or (952) 929-7854

FAX: (952) 929-2909

Email: info@wheeler-con.com
Website: www.wheeler-con.com

Wilson Culverts, Inc.

Steve Webb, Office Manager H. C. Wilson, President

Terry D. Huffines, VP of Plant Operations

P. O. Box 940 699 FM 1817 Elkhart, TX 75839

Phone: (800) 234-0084 or (903) 764-5605

Fax: (903) 764-2740

Email: wilsonculverts@windstream.net

swebb@dctexas.net