

MEMORANDUM

TO: Roque Cavasos
Hidalgo County Precinct 2

FROM: Roli Flores, Buyer
Hidalgo County Purchasing Department

RE: Draft Specifications for: Bid No. 2008-016-ROL-Hidalgo County Precinct 2 -
"Geo-Grid Reinforcement Material"

DATE: February 19, 2008

[REDACTED]

Please review the following SPECIFICATIONS and indicate if they meet all your requirements by marking APPROVE (or) DISAPPROVE and signing below. If your answer is DISAPPROVE, please make any modifications necessary to the specifications and fax back the revised copies to the designated Buyer in the Purchasing Department.

APPROVE

DISAPPROVE



 AUTHORIZED SIGNATURE

DATE

Do you currently have funds available to make purchases on this product?

YES

NO

If YES, enter Account Number:

Please return this request by Wednesday, February 20, 2008.

HIDALGO COUNTY PRECINCT #2
“PURCHASE OF GEO-GRID REINFORCEMENT MATERIAL”
BID NO. 2008-016-03-19-ROL

SPECIFICATIONS

DESCRIPTION: This item consists of furnishing geo-grid reinforcement material.

MATERIALS: The geo-grid shall be single layer grid structure formed by a regular network of integrally connected polymeric tensile elements with apertures designed to interlock with the surrounding fill material. The structure shall be capable of maintaining dimensional stability during placement and under normal construction traffic. The geo-grid shall be resistant to damage during construction, including ultraviolet degradation, and shall have long-term resistance to chemical and biological degradation caused by the material being reinforced. No multiple layered grids are acceptable.

The geo-grid shall also conform to the properties specified below.

STRUCTURAL GEO-GRID PROPERTIES

TABLE A

PROPERTY	TEST METHOD	UNITS	TYPE 1	TYPE 2
Aperture Stability Modulus at 20 cm-kg	Kinney-01	cm-kg/deg	3.2	6.5
Rib Shape	Observation	N/A	Rectangular or Square	Rectangular or Square
Rib Thickness	Calipered	In	0.03	0.05
		(mm)	(0.76)	(1.27)
Aperture Size	I.D. Calipered	In	0.9 to 1.5	0.9 to 1.5
		(mm)	(25 to 33)	(25 to 33)
Junction Efficiency	GRI-GG2-87	%	90	90
Flexural Rigidity	ASTM D1388-96	mg-cm	250,000	750,000
Minimum True Initial Modulus in Use	ASTM D6637-01			
-MD		lb/ft	15,170	32,890
		(kN/m)	(226)	(360)
-CMD		lb/ft	24,685	44,725
		(Kn/m)	(481)	(652)

MATERIALS
CON.T':

Alternate geo-grid material will be considered. Such materials must be pre-approved in writing by the Engineer prior to bid date. Alternate material packages must be submitted to the Engineer a minimum of 15 days prior to bid date. Submittal packages must include, as a minimum, the following:

1. Full-scale laboratory testing and in-ground testing of pavement structures reinforced with the specific geo-grid, which quantifies the structural contribution of the geo-grid to the pavement structure. The increase in structural layer coefficient of the base course must meet or exceed that of the design geo-grid.
2. Independent certified tests results stating that the alternate geo-grid has a secant aperture stability modulus at 20 cm-kg, when tested in accordance with the "Grid Aperture Stability by In-Plane Rotation" test of 3.2 or greater.
3. A list of 5 comparable projects, in terms of size and applications, in the United States, where the results of the specific alternate geo-grids use can be verified after a minimum of 1 year of service.
4. A sample of the geo-grid and certified specification sheets.

MANUFACTURER'S
REPRESENTATIVE

A qualified and experienced representative from the geo-grid manufacturer available on an as needed basis during the construction and or installation of the product. The representative shall visit the site for consultation at least once during the construction and or installation of the product.

PACKING:

The geo-grid shall be packaged in rolls with length between 200 feet and 250 feet and widths of 12 to 15 feet and 8 to 10 feet.

Each roll shall be one continuous piece packaged in a suitable sheath, wrapper or container to protect the geo-grid from damage due to ultraviolet light, moisture, and normal storage and handling.

PRODUCT:

Geo-grid shall be TENSAR BX1100 for type 1 and TENSAR BX1200 for Type 2 or approved equal meeting the material requirements stated herein on Table A.

BID AWARD: Bid commencing upon termination of current contract expires and continuing for a period of one (1) year and may be extended at the sole discretion of County for an additional one (1) year term, unless this Contract is terminated pursuant to the provisions herein, whichever occurs first.

All costs and expenses associated with the preparation and submission of bid shall be the responsibility of the submitter and no reimbursements for such charges or expenses shall be passed on to the County.

Market Volatility and Unit Price Adjustments:

Hidalgo County recognizes that during periods of national crisis and unstable economic conditions, unforeseen price increases might affect costs for goods and services contracted on an annual basis. The following procedure may be employed to mediate price volatility:

- 1) **Requesting Price Adjustment:** Upon written request of the Vendor to the County Purchasing Agent, the County may review evidence of prevailing industry-wide market conditions that warrant an adjustment in bid prices contained in the contract.
 - A Vendor must tie any price change clause to an industry-wide or otherwise nationally recognized index, or some other form of verifiable document. Such written request must be accompanied by a certified copy of the supplier's advisory or notification to the vendor of the price changes.
 - The Vendor must put the Purchasing Agent on the mailing lists for such publications so that the Purchasing Agent can monitor said changes. Such membership shall be at no cost to the County.
 - The County Purchasing Agent retains the right to determine whether or not such proposed price changes are in the best interest of the County.
 - No price escalation will be authorized in excess of the amount of the increase referred to in the supplier's notice.
 - The County may only grant a price increase if the evidence presented is deemed reliable. Should the County allow a price increase, the approved price change shall be honored for all orders received by the vendor or contractor after the effective date of such price change. Approved price changes are not applicable to orders already issued and in process at time of price change.
- 2) **Price Reduction:** Vendor shall notify the County at the time when the Vendor's costs for items and/or supplies reduce due to stabilization in the market at which time prices for items on this contract shall be reduced accordingly. Failure by the Vendor to notify the County of a decrease in costs for items and/or supplies for which the Vendor was granted a price adjustment, may result in immediate termination of this contract and the County shall not be obligated to pay the Vendor the difference between the contract price and the price adjustment.
- 3) **Timeframe for Adjusted Price Increases:** Price increases are only valid for the quarter in which they are requested and approved. Prices shall return to the original contract price at the beginning of the following quarter unless a Vendor notifies the County in writing within

ten (10) days of expiration of the quarter in which the price increase is in effect, that it desires to have the price increase continue or that the Vendor is requesting a different price increase for the following quarter. Such request must be supplemented with sufficient justification to demonstrate that the price increase remains necessary. The County Purchasing Department shall have sole discretion whether to grant the price increase extension. The County too, shall have discretion to unilaterally reduce, eliminate or extend a price adjustment to the Vendor at any time upon written notice from the County to the Vendor demonstrating justification for such reduction, elimination or extension of the price adjustment.

- 4) **Allowable Review Periods:** Price adjustment reviews may only be requested by the Vendor on a quarterly basis. However, the County may at its own discretion, conduct temporary price adjustment reviews at any time. The County Purchasing Agent and/or the County Auditor reserve the right to audit and/or examine any pertinent books, documents, papers, records or invoices relating directly to the contract transaction in question after reasonable notice and during normal business hours.
- 5) **Dollar Limit to Price Changes:** The total increase in contract price shall not exceed twenty-five percent (25%) of the original contract price during the contract term.

ADDITIONAL INFORMATION:

Further information required for this project can be addressed through the Hidalgo County Purchasing Department through Rolando "Roli" Flores. Hidalgo County is also requesting that any and all questions, inquiries and clarifications regarding quotes, bids, proposal or statement of qualifications be addressed to Martha L. Salazar, CPPB/Purchasing Agent at Physical: 2802 S. Business Hwy. 281, Postal/Mailing: 2812 S. Business Hwy. 281, New Administration Building, Edinburg, Texas 78539. TELEPHONE INQUIRIES WILL NOT BE ACCEPTED.

All written inquiries will be accepted via facsimile no later than, **Wednesday, March 12, 2008, at 5:00 p.m.,** at (956) 318-2629. Responses to said inquiries will be sent to all applicants via facsimile by no later than **5:00 p.m., March 14, 2008.**