

EXHIBIT “A”
HIDALGO COUNTY
“EN-1 ROAD STABILIZER”
BID NO. 2006-281-12-06-MSS

BID SPECIFICATIONS

I. DESCRIPTION:

This specifications shall govern for any liquid stabilizer equal or approved equal to patented EN-1 intended primarily as a material stabilizer for mixing and compacting material in accordance with specifications governing base and/or subgrade courses. The approved stabilizer must be able to enhance the compressive strength, increase load bearing capacity of soil, increase flexural strength, reduce swelling, shrinkage and permeability, insure proper compaction and reduce maintenance upkeep through reduction of potential failures.

Purchases of **EN-1 Soil Stabilizer** will be **on an as needed basis only** by Hidalgo County all funding sources (i.e. CIP, CAP and R&B).

II. MATERIALS:

Roadbond (EN-1) Soil Stabilizer is a sulfonated D-limonene bioenzyme which contains a strong oxidizer, a powerful solvent and natural dispersant that interacts with natural road materials. The interaction of these components activates the naturally occurring mineral cements in the soil and bonds the soil grains together to form a material analogous to most sedimentary rocks and alluvial soils. This stabilizing solvent acts to scrub the soil and allows the oxidizer access to a wider array of mineral ions evenly throughout the mixture, thereby increasing particle attraction (bonding), greatly decreasing voids in the road strata. In clay soils, it attacks the clay lattice of the soil, which will alter the ionic charge in the clay, and it creates a chemical bond between clay particles. This material is a corrosive in its concentrated state, once mixed with required volume of water, it becomes a non-corrosive, which has been approved by EPA.

III. BID AWARD:

Any contract awarded to a successful bidder will be in effect until (a) the contract expires, (b) delivery and acceptance of products, and/or performance of services ordered, or (c) terminated by County with thirty (30) days written notice prior to cancellation.

Award of contract will be contingent on availability of Hidalgo County funds.

Hidalgo County reserves the right to reject any or all bids, to waive any or all formalities, or to accept the bid considered the best and most advantageous to the County, including compliance to bid specifications. Hidalgo County reserves the right to hold the bids for a period of (90) ninety days without taking action hereon.

Hidalgo County reserves the right to award to one or more bidder(s) whichever is in the best interest of the County,

IV. CONTRACT TERM:

The contract will be in effect for a period of one(1) year with the County’s option to extend for an additional One (1) year term based on performance evaluation and contingent upon cost remaining unchanged, and/or 60 day grace period extension at the end of the contract for unforeseen delays on subsequent contract. Price must remain firm during the contract period.

It is Intended that the amount of “**EN-1 Road Stabilizer Material**” required by Hidalgo County will be purchased on an **as needed basis**.

This contract shall remain in effect until contract expires, delivery/completion of services ordered or terminated by either party with a (30) thirty day written notice prior to any cancellation. The successful bidder must state therein the reasons for such cancellation. Hidalgo County reserves the right to award canceled contract to next lowest bidder as it deems to be in the best interest of the County.

V. REQUIREMENTS:

Roadbond liquid stabilizer shall be stored and handled in closed, five (5) gallon weatherproof containers until immediate distribution on the road. Roadbond materials must be stored in covered storage and well ventilated with adequate protection from flooding or damage. For mixing ease and safety, round up to the nearest 5-Gallon increments (i.e. 72-Gallons up to 75-Gallons). The following concentrated quantities are to be mixed with 300 gallons of water to each gallon of EN-1. Strict application instructions.

ROAD WIDTH IN FT.	6" IN DEPTH * .0056 GA/SY	8" IN DEPTH * .0075 GA/SY	10" IN DEPTH *.0089 GA/SY
20' Wide Road	66 Gallons Per Mile	88 Gallons Per Mile	104 Gallons Per Mile
22' Wide Road	73 Gallons Per Mile	97 Gallons Per Mile	120 Gallons Per Mile
24' Wide Road	80 Gallons Per Mile	106 Gallons Per Mile	132 Gallons Per Mile
26' Wide Road	86 Gallons Per Mile	115 Gallons Per Mile	143 Gallons Per Mile
28' Wide Road	93 Gallons Per Mile	124 Gallons Per Mile	154 Gallons Per Mile
30' Wide Road	99 Gallons Per Mile	132 Gallons Per Mile	165 Gallons Per Mile
Square Yards treated/gallon	180 Square Yards	135 Square Yards	108 Square Yards
Square Yards treated/gallon (when using CTB)	171 Square Yards	128 Square Yards	103 Squar Yards

** Use 5" more EN-1 Road Stabilizer than the chart calls for when treating Cement Treated Base (Calculate 28.5 cubic yards per Gallon)

*** Application rate per square yard = Length (feet) x Width (feet) X Appl. Rate * 9 SF

EN-1 Road Stabilizer Material shall conform to Texas Department of Transportation (TX

DOT), Standard Specifications for Construction of Highways, Streets and Bridges.

Product must be registered with the U.S. Patent and Trademark Office as a soil stabilizer.

Vendor must furnish test results and documentation from independent sources as the effectiveness of the stabilizer. These test reports must include CBR, Triaxial Compression Test, Falling Weight Deflectometer, Resilient Modulus or other relevant test to determine strength. Reduction in swelling of clay soils must be verified by relevant test performed by a reputable lab.

The product must be easily applied by personnel with equipment commonly used by road construction and maintenance crews.

A material safety data sheet (MSDS) on the EN-1 Road Stabilizer product being bid must be submitted with the bid.

Insurance certificates as per “**Exhibit C**” must be submitted to the Purchasing Department prior to any services being performed by the awarded bidder.

When requested, samples shall be furnished free of expense to Hidalgo County.

Random sampling/Testing may be performed at the request of Hidalgo County anytime during the length of the contract through an independent testing laboratory. Continuing non-performance of the bidder in terms of specifications shall be basis for the termination of the contract by the County. The County shall not pay for work, equipment, or supplies which are unsatisfactory. Vendors will be given a reasonable opportunity before termination to correct the deficiencies.

In the event the material furnished does not meet all the above requirement (regardless of weather, test’s acceptability, method of repair or other conditions), the County reserves the option to require the material supplier to replace or to reimburse the County for the unused portion of material found to be unsatisfactory.

VI. ADDITIONAL INFORMATION:

Any brand name mentioned in this request for bids is for description only and is not intended to exclude any products of equal quality or compatibility. Bidders desiring to substitute items may do so provided that brand names and specifications are indicated in the bid and that items fully meet herein specifications.

Hidalgo County is requesting that any and all questions, inquiries and clarifications regarding quotes, bids, proposals or statements of qualifications be addressed to, Martha L. Salazar, CPPB, Purchasing Agent, 100 E. Cano St.-4th Floor, Edinburg, Texas 78539. **TELEPHONE INQUIRIES WILL NOT BE ACCEPTED.**

ALL WRITTEN INQUIRIES WILL BE ACCEPTED VIA FACSIMILE NO LATER

THAN, Wednesday, November 29, 2006 by 5:00 P.M.. Responses to said inquiries will be sent to all applicants via facsimile by no later than, **Friday, December 01, 2006 by 5:00 P.M.**

Contact Personnel for County Precincts	
Hidalgo County Precinct No. 1 Raul Lozano, Chief Administrator (956) 968-8733	Hidalgo County Precinct No. 2 Ricardo Cuellar, Field Operations Director (956) 787-1891
Hidalgo County Precinct No. 3 Domingo Villarreal, Jr., Coordinator (956) 585-4509	Hidalgo County Precinct No. 4 Juan Carranza, Chief Administrator (956) 383-3112

EXHIBIT "B"
HIDALGO COUNTY
"EN-1 ROAD STABILIZER"
BID NO. 2006-281-12-06-MSS

BID PAGE

MATERIAL DESCRIPTION	BID PRICE
EN-1 ROAD STABILIZER (5 gal containers)	\$

BIDDER'S INFORMATION:

BIDDER/COMPANY NAME: _____

ADDRESS: _____

CITY/STATE/ZIP CODE: _____

PHONE & FAX NO.'S: _____

CELLULAR & BEEPER NO.'S: _____

AUTHORIZED SIGNATURE: _____

PRINTED NAME: _____

TITLE _____