

**City of Mission
Specifications
Bid Name/No.: “Flexible Base Commercial Caliche”/ XX-XXX-XX**

- I. **Scope of Work:** The City of Mission is accepting bids for the Flexible Base Commercial Caliche for the Public Works Department.
- II. **Laboratory Testing:** All tests shall meet requirements shown below. Testing will be conducted at borrow pit with Sample Identification for North Face, South Face, East Face, and West Face. City of Mission is responsible for Laboratory Test Expenses for original borrow pit. If soils laboratory test fails, producer is responsible for re-testing expense until meets all required specifications. Producer shall coordinate with the City for any supply of caliche from a different pit or source other than one tested and meet TxDOT specifications for laboratory results equal or better than those shown below. Producer must submit TxDOT Laboratory result to City and must coordinate a site visit at a new source site for approval.
- III. **Specifications:** It is the intention of these specifications to describe a flexible base commercial grade caliche (argillaceous limestone, calcareous, or calcareous clay particles) for shaping and grading roadbeds, preparing shoulders, and for filling and repairing holes in roadways. Please read specifications thoroughly and be sure that the Flexible Base Grade Caliche offered complies with all requirements.

Flexible Base Commercial Grade Caliche as follows:

- a. FLEXBASE TY E Grade 4 shall conform to the following:
- i. Type: E
 - ii. Grade: 4
 - iii. Soil Constants
 - 1) TEX-104-E Liquid Limit: 40 max
 - 2) TEX-106-E Raw P.I.: 15 max
 - 3) TEX-106-E W.B.P.I.: 15 max
 - 4) TEX-116-E W.B. Mill %: 50 max
- b. TEX-110-E (Sieve Analysis)% Retained:

| Retained on Sq. Sieve | Percent Retained |
|-----------------------|------------------|
| 2" | 0 |
| 1/2" | 20-60 |
| #4 | 40-75 |
| #40 | 70-90 |

- c. TEX-117-E (Part II) raw Triaxials
- i. Avg. of 3 @ 15 PSI
 - ii. 150 minimum
- d. TEX-121-E Triaxials with 1% lime:\
- i. Avg. of 3 @ 15 PSI
 - ii. 180 minimum
- e. TEX-113-E Curve Data:
- i. Opt. Density (PCF)- Results
 - ii. Opt. Moisture %-Results

- IV. **Delivery:** Delivery shall be in approved vehicles of a uniform capacity, and it shall be the responsibility of the contractor that the required amount of specifies material be delivered to the City of Mission’s Public Works Department located at 2801 North Holland, Mission, Texas within 24 hours of order being placed. The unit price bid for this material shall be quoted per ton. Price submitted will include cost for all materials and for all freight and royalties involved.
- V. Please read your specifications thoroughly and be sure that the Flexible Base Commercial Grade Caliche offered comply(ies) with all requirements. Any variations from the specifications must be clearly indicated on item specification sheet and covered by letter attached to and made a part of your bid. If no exceptions are noted and you are the successful bidder, it will be required that the Flexible Base Commercial Grade Caliche be furnished as specified.