

City of Weslaco

"The City on the Grow"



David Suarez, Mayor
John F. Cuellar, Mayor Pro-Tem, District 2
David R. Fox, Commissioner, District 1
Olga M. Noriega, Commissioner, District 3
Gerardo "Jerry" Tafolla, Commissioner, District 4
Lupe V. Rivera, Commissioner, District 5
Fidel L. Peña, Commissioner, District 6

Leonardo Olivares, City Manager

CITY OF WESLACO

Invitation to Bid

The City of Weslaco hereby requests sealed bids for the following:

**STREET MATERIAL = RFB No.: 2013-14-11
for Street Improvements and Construction
HOT MIX; COLD MIX; FLEXIBLE BASE; ROAD BOND STABILIZER; and MC30
OIL**

Sealed bids addressed to Homer Rhodes, will be accepted at the Weslaco City Hall Purchasing Office, 255 S. Kansas Avenue, Weslaco, Texas 78596, until **3:00 p.m.** on **July 28, 2014**, at which time they will be opened and read aloud. Please mark envelope, "Sealed Bid"

**STREET MATERIAL = RFB No.: 2013-14-11
HOT MIX; COLD MIX; FLEXIBLE BASE; ROAD BOND STABILIZER; and MC30
OIL**

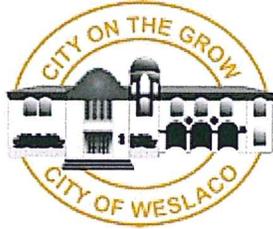
Potential Bidders/Respondents are advised that the bidding documents can be downloaded from the City of Weslaco web page address: www.weslacotx.gov, and may also be secured at the Weslaco City Hall Purchasing Office, 255 S. Kansas Avenue, Weslaco, Texas 78596, or by calling 956.447-2240. Be advised that if your company is contemplating on bidding this project you must contact the Purchasing Office, so that any changes/additions via addendum form can be forwarded to your company. (Please include your company name, address, e-mail, telephone and fax, and contact person). **No electronic bids will be accepted.**

The City of Weslaco reserves the right to accept or reject any or all bids, to waive any informalities, and to accept the bid to be the best and most advantageous to the City and to hold bids for a period of forty-five (45) days without taking action, for the purpose of reviewing the bids and investigation of bidders' qualifications prior to bid award. Bids submitted past the aforementioned date and time will not be accepted.

City of Weslaco

A handwritten signature in blue ink that reads "Homer Rhodes". The signature is fluid and cursive.

Homer Rhodes,
Purchasing Office
hrhodes@weslacotx.gov



VENDOR'S NOTICE OF INTENT TO SUBMIT A BID

If you intend to submit a bid for **Street Materials** with the City of Weslaco as outlined in the specifications, please indicate your intention by signing, dating, and returning this form to the address below prior to **July 28, 2014** so that you may receive any addendums to the specifications should the need arise.

**Homer Rhodes
City of Weslaco
Purchasing Office
255 S. Kansas Avenue
Weslaco, Texas 78596
Phone: 956.447.2240
Fax: 956.969.8452
hrhodes@weslacotx.gov**

Name: _____ Signature: _____
(print / contact person)

Title: _____ Company/Agency: _____

Mailing
Address: _____ City/State/Zip: _____

Phone: _____ Fax: _____

Email Address: _____

Bid No.: 2013-14-11

**CITY OF WESLACO
SOLICITATION FOR BIDS
STREET MATERIALS
INSTRUCTIONS TO BIDDERS**

IT IS THE INTENT OF THESE SPECIFICATIONS TO DESCRIBE AND GOVERN THE PURCHASE PRICE OF STREET MATERIALS REQUESTED. PROSPECTIVE BIDDERS ARE TO FILL THE FOLLOWING BLANK FORMS AND SUBMIT WITH THEIR BID.

MINIMUM SPECIFICATIONS:

1. Bid shall be submitted properly marked / identified in a sealed envelope upon the blank form attached hereto. Each form must be completely filled out. Bid must be filed with the City of Weslaco before opening day and hour. No late bids will be accepted. Bid will be returned to respondent unopened if not properly identified. Failure to meet request for Bid requirements may be grounds for disqualification.
2. Bid **MUST** give full firm name and address of respondent, and be manually signed. Failure to do so will disqualify your Bid. Person signing Bid must show title or **AUTHORITY TO BIND HIS/HER FIRM IN A CONTRACT.** Firm name and authorized signature must appear on each page that calls for this information.
3. Bid **CANNOT** be altered or amended after opening time. Alterations made before opening time must be initialed by bidder guaranteeing authenticity. No Bid may be withdrawn after opening time without acceptable reason in writing and only after approval by the City of Weslaco.
4. **Quantities shown are approximate based on projected usage.** It is specifically understood that these quantities may change without adjustment to the unit price. Prices quoted shall prevail for a period of one year with purchases as needed, starting on the day of the first Purchase Order.
5. It is the responsibility of the Supplier to verify that the materials meet specifications. Failure to do so or failure of the product itself will be cause to cancel all existing or pending order. The City of Weslaco reserves the right to request demonstrations and samples of the materials at the City's discretion to confirm the quality. All materials under these specifications shall be new and unused. Any deviation from these instructions will be subject to Bid cancellation.
6. In order for the City to meet its needs, it is understood that during the period of the contract, should the successful bidder be unable to supply the product, the City reserves the right to obtain the product from available sources.
7. Bids shall be analyzed on a total dollar value and what is most advantageous to the City and **will be awarded on an item per item basis.**
8. It shall be the legal obligation of the bidder during the term of the contract, to notify the Purchasing Office of any price decrease in the market and accordingly, reduced prices will be in effect with appropriate documentation as described above.

9. The bidder agrees to indemnify and hold harmless the City of Weslaco from all suits and actions of every nature and description brought against, for or on account of the use of patented appliances, products or processes. Awarded bidder/vendor shall pay all royalties and charges which are legal and equitable. Evidence of such payment or satisfaction shall be submitted upon request from Purchasing Office, as a necessary requirement in connection with the final estimate for payment in which such patented appliance, products or processes are used.
10. Bidder shall carefully examine the Bid forms, requirements/specifications, and instructions to bidders. Should the bidder find discrepancies in, or omissions from Bid forms, specifications or other documents, or should he/she be in doubt as to their meaning, he/she should at once notify the Purchasing Office, Weslaco City Hall, 956.447.2240 and obtain clarification by addendum prior to submitting any Bids.
11. **Addenda and Interpretations:**
No Interpretations of the meaning of the specifications or other pre-bid documents will be made orally to any bidder. Every request for such interpretation should be in writing addressed to the City of Weslaco, Purchasing Department, 255 S. Kansas Avenue, Weslaco, Texas 78596, and to be given consideration must be received at least seven (7) days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instruction will be in the form of written addenda for specifications which, if issued, will be mailed/faxed or e-mailed (at the respective address furnished for such purposes), not later than three (3) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addenda or interpretation shall not relieve such bidder from any obligation under his bid as submitted. All addenda so issued shall become part of the contract documents.
12. The City of Weslaco reserves the right to refuse and reject any or all Bids and to waive any or all informalities or technicalities and to accept the Bid to be the best and most advantageous to the City and to hold the Bids for a period of forty-five (45) days without taking action. Bids submitted past the aforementioned date and time will not be accepted. NO ELECTRONIC BIDS WILL BE ACCEPTED.

ITEM
DENSE-GRADED HOT-MIX ASPHALT (METHOD)

Description. Construct a pavement layer composed of a compacted, dense-graded mixture of aggregate and asphalt binder mixed hot in a mixing plant.

Materials. Furnish uncontaminated materials of uniform quality that meet the requirements of the specifications.

Notify the City Engineer of all material sources. Notify the Engineer before changing any material source or formulation. When the Contractor makes a source or formulation change, the Engineer will verify that the requirements of this Item are met and may require a new laboratory mixture design, trial batch, or both. The Engineer may sample and test project materials at any time during the project to verify compliance.

A. Aggregate. Furnish aggregates from sources that conform to the requirements shown in Table 1, and as specified in this Section, unless otherwise shown on the plans. Provide aggregate stockpiles that meet the definition in this Section for either coarse aggregate or fine aggregate. When reclaimed asphalt pavement (RAP) is allowed by plan note, provide RAP stockpiles in accordance with this Section. Aggregate from RAP is not required to meet Table 1 requirements unless otherwise shown on the plans. Supply mechanically crushed gravel or stone aggregates that meet the definitions in Tex-100-E. The Engineer will designate the plant or the quarry as the sampling location. Samples must be from materials produced for the project. The Engineer will establish the surface aggregate classification (SAC) and perform Los Angeles abrasion, magnesium sulfate soundness, and Micro-Deval tests. Perform all other aggregate quality tests listed in Table 1. Document all test results on the mixture design report. The Engineer may perform tests on independent or split samples to verify Contractor test results. Stockpile aggregates for each source and type separately. Determine aggregate gradations for mixture design and production testing based on the washed sieve analysis given in Tex-200-F, Part II. Do not add material to an approved stockpile from sources that do not meet the aggregate quality requirements of the Texas Department of Transportation's *Bituminous Rated Source Quality Catalog* (BRSQC) unless otherwise approved.

- 1. Coarse Aggregate.** Coarse aggregate stockpiles must have no more than 20% material passing the No. 8 sieve. Provide aggregates from sources listed in the BRSQC. Provide aggregate from nonlisted sources only when tested by the Engineer and approved before use. Allow 30 calendar days for the Engineer to sample, test, and report results for nonlisted sources.

Provide coarse aggregate with at least the minimum SAC shown on the plans. SAC requirements apply only to aggregates used on the surface of travel lanes, unless otherwise shown on the plans. The SAC for sources on the Texas Department of Transportation's AQMP is listed in the BRSQC. Class B aggregate meeting all other requirements in Table 1 may be blended with a Class A aggregate in order to meet requirements for Class A materials. When blending Class A and B aggregates to meet a Class A requirement, ensure that at least 50% by weight of the material retained on the No. 4 sieve comes from the Class A aggregate source. Blend by volume if the bulk specific gravities of the Class A and B aggregates differ by more than 0.300. When blending, do not use Class C or D aggregates. For blending purposes, coarse aggregate from RAP will be considered as Class B aggregate.

- 2. RAP.** RAP is salvaged, milled, pulverized, broken, or crushed asphalt pavement. Crush or break RAP so that 100% of the particles pass the 2-in. sieve.

RAP from either Contractor- or Department-owned sources, including RAP generated during the project, is permitted only when shown on the plans. Department-owned RAP, if allowed for use, will be available at the location shown on the plans. When RAP is used, determine asphalt content and gradation for mixture design purposes. Perform other tests on RAP when shown on the plans.

When RAP is allowed by plan note, use no more than 30% RAP in Type A or B mixtures unless otherwise shown on the plans. For all other mixtures, use no more than 20% RAP unless otherwise shown on the plans.

Do not use RAP contaminated with dirt or other objectionable materials. Do not use the RAP if the decantation value exceeds 5% and the plasticity index is greater than 8. Test the stockpiled RAP for decantation in accordance with the laboratory method given in Tex-406-A, Part I. Determine the plasticity index using Tex-106-E if the decantation value exceeds 5%. The decantation and plasticity index requirements do not apply to RAP samples with asphalt removed by extraction.

3. **Fine Aggregate.** Fine aggregates consist of manufactured sands, screenings, and field sands. Fine aggregate stockpiles must meet the gradation requirements in Table 2. Supply fine aggregates that are free from organic impurities. The Engineer may test the fine aggregate in accordance with Tex-408-A to verify the material is free from organic impurities. At most 15% of the total aggregate may be field sand or other uncrushed fine aggregate. With the exception of field sand, use fine aggregate from coarse aggregate sources that meet the requirements shown in Table 1, unless otherwise approved.

If 10% or more of the stockpile is retained on the No. 4 sieve, test the stockpile and verify that it meets the requirements in Table 1 for coarse aggregate angularity (Tex-460-A) and flat and elongated particles (Tex-280-F).

Table 1
Aggregate Quality Requirements

Property	Test Method	Requirement
Coarse Aggregate		
SAC	AQMP	As directed by City Engineer
Deleterious material, %, max	Tex-217-F, Part I	1.5
Decantation, %, max	Tex-217-F, Part II	1.5
Micro-Deval abrasion, %, max	Tex-461-A	Note 1
Los Angeles abrasion, %, max	Tex-410-A	40
Magnesium sulfate soundness, 5 cycles, %, max	Tex-411-A	30 ²
Coarse aggregate angularity, 2 crushed faces, %, min	Tex 460-A, Part I	85 ³
Flat and elongated particles @ 5:1, %, max	Tex-280-F	10
Fine Aggregate		
Linear shrinkage, %, max	Tex-107-E	3
Combined Aggregate⁴		
Sand equivalent, %, min	Tex-203-F	45

1. Not used for acceptance purposes. Used by the Engineer as an indicator of the need for further investigation.

2. Unless otherwise shown on the plans.

3. Unless otherwise shown on the plans. Only applies to crushed gravel.

4. Aggregates, without mineral filler, RAP, or additives, combined as used in the job-mix formula (JMF).

Table 2
Gradation Requirements for Fine Aggregate

Sieve Size	% Passing by Weight or Volume
3/8"	100
#8	70-100
#200	0-30

- B. **Mineral Filler.** Mineral filler consists of finely divided mineral matter such as agricultural lime, crusher fines, hydrated lime, cement, or fly ash. Mineral filler is allowed unless otherwise shown on the plans. Do not use more than 2% hydrated lime or cement, unless otherwise shown on the plans. The plans may require or disallow specific mineral fillers. When used, provide mineral filler that:

- is sufficiently dry, free-flowing, and free from clumps and foreign matter;
- does not exceed 3% linear shrinkage when tested in accordance with Tex-107-E; and
- meets the gradation requirements in Table 3.

Table 3
Gradation Requirements for Mineral Filler

Sieve Size	% Passing by Weight or Volume
#8	100
#200	55-100

- C. **Baghouse Fines.** Fines collected by the baghouse or other dust-collecting equipment may be reintroduced into the mixing drum.
- D. **Asphalt Binder.** Furnish the type and grade of performance-graded (PG) asphalt binder specified on the plans in accordance with Section 300.2.J, "Performance-Graded Binders."
- E. **Tack Coat.** Unless otherwise shown on the plans or approved, furnish CSS-1H, SS-1H, or a PG binder with a minimum high-temperature grade of PG 58 for tack coat binder in accordance with Item 300, "Asphalts, Oils, and Emulsions."

Do not dilute emulsified asphalts at the terminal, in the field, or at any other location before use. If required, verify that emulsified asphalt proposed for use meets the minimum residual asphalt percentage specified in Item 300, "Asphalts, Oils, and Emulsions."

The Engineer will obtain at least 1 sample of the tack coat binder per project and test it to verify compliance with Item 300. The Engineer will obtain the sample from the asphalt distributor immediately before use.

- F. **Additives.** When shown on the plans, use the type and rate of additive specified. Other additives that facilitate mixing or improve the quality of the mixture may be allowed when approved.
If lime or a liquid antistripping agent is used, add in accordance with Item 301, "Asphalt Antistripping Agents." Do not add lime directly into the mixing drum of any plant where lime is removed through the exhaust stream unless the plant has a baghouse or dust collection system that reintroduces the lime back into the drum.

Item

Cold Mix

Cold Bituminous Paving Using Stockpiled Recycled Asphalt Pavement (RAP)

Materials. Furnish materials, other than RAP, that meet the requirements of the plans and specifications. Stockpiled at locations and in approximate quantities as designated in the plans.

Notify the City Engineer of all material sources. Notify the Engineer before changing any material source. The Engineer may test the materials and make adjustments in proportions at any time during the project.

- A. **RAP.** Crush the RAP to produce a consistent gradation of which 100% passes a 1 in. sieve.

Do not contaminate the existing RAP stockpiles with dirt or other objectionable materials.

- B. **Field Sand.** When called for in the plans, provide fine aggregate or field sand which meets the following gradation:

Sieve Size	% Passing by Weight
3/8"	100
#8	70-100
#200	0-15

Assure a minimum RAP moisture content of 2% at the time of mixing with emulsion. Additional moisture, as needed, may be combined with the emulsion at the time of mixing.

- C. **Asphalt Binder.** Furnish emulsified asphalt of the type and grade called for in the plans.
- D. **Additives.** When shown on the plans, use the type and rate of additives specified. Other additives that facilitate the mixing or improve the quality of the mixture may be allowed when approved.

ITEM
FLEXIBLE BASE

Materials. Furnish uncontaminated materials of uniform quality that meet the requirements. Notify the City Engineer of the proposed material sources and of changes to material sources. The Engineer may sample and test project materials at any time to assure specification compliance. Use Tex-100-E material definitions.

- A. **Aggregate.** Furnish aggregate of the type and grade conforming to the requirements of Table 1. Each source must meet Table 1 requirements for liquid limit, plasticity index, and wet ball mill for the grade specified. Do not use additives such as but not limited to lime, cement, or fly ash to modify aggregates to meet the requirements of Table 1.

**Table 1
Material Requirements**

Property	Test Method	Grade 1	Grade 2	Grade 3	Grade 4
Master gradation sieve size (% retained)	Tex-110-E				As directed by City Engineer
2-1/2 in.		-	0	0	
1-3/4 in.		0	0-10	0-10	
7/8 in.		10-35	-	-	
3/8 in.		30-50	-	-	
No. 4		45-65	45-75	45-75	
No. 40		70-85	60-85	50-85	
Liquid limit, % max. ¹	Tex-104-E	35	40	40	As directed by City Engineer
Plasticity index, max. ¹	Tex-106-E	10	12	12	As directed by City Engineer
Plasticity index, min. ¹		As directed by City Engineer			
Wet ball mill, % max. ²	Tex-116-E	40	45	-	As directed by City Engineer
Wet ball mill, % max. increase passing the No. 40 sieve		20	20	-	
Classification ³	Tex-117-E	1.0	1.1-2.3	-	As directed by City Engineer
Min. compressive strength ³ , psi					As directed by City Engineer
lateral pressure 0 psi		45	35	-	
lateral pressure 15 psi		175	175	-	As directed by City Engineer

1. Determine plastic index in accordance with Tex-107-E (linear shrinkage) when liquid limit is unattainable as defined in Tex-104-E.

2. When a soundness value is required by the plans, test material in accordance with Tex-411-A.

3. Meet both the classification and the minimum compressive strength, unless otherwise shown on the plans.

1. **Material Tolerances.** The Engineer may accept material if no more than 1 of the 5 most recent gradation tests has an individual sieve outside the specified limits of the gradation.

The Engineer may accept material if no more than 1 of the 5 most recent plasticity index tests is outside the specified limit. No single failing test may exceed the allowable limit by more than 2 points.

2. **Material Types.** Do not use fillers or binders unless approved. Furnish the type specified on the plans in accordance with the following.
- a. **Type A.** Crushed stone produced and graded from oversize quarried aggregate that originates from a single, naturally occurring source. Do not use gravel or multiple sources.
 - b. **Type B.** Crushed or uncrushed gravel. Blending of 2 or more sources is allowed.
 - c. **Type C.** Crushed gravel with a minimum of 60% of the particles retained on a No. 4 sieve with 2 or more crushed faces as determined by Tex-460-A, Part I. Blending of 2 or more sources is allowed.
 - d. **Type D.** Type A material or crushed concrete. Crushed concrete containing gravel will be considered Type D material.

ITEM
ROADBOND
(Liquid Stabilizer Treatment for Subgrade Soils)

1. **DESCRIPTION:** This item shall govern for treatment of new and or existing subgrade material by pulverizing adding the liquid stabilizer (Roadbond EN 1 or approved equal), and mixing and compacting the mixed material to the required density as specified herein and in conformity with the typical sections, lines and grades as shown on the plans or as established by the Engineer.

2. **MATERIALS:**
 - A. **The liquid stabilizer treatment:** Roadbond EN 1 or approved equal is applied to subgrade soils for reduction of permeability, moisture susceptibility and swell and to improve strength and stiffness. When applied within the manufacturer's parameters for application, dilution, moisture control, processing, compaction and curing the stabilizer shall improve the shear and bearing strength as well as reduce the moisture susceptibility of soil and aggregate materials. Upon request, the supplier must be able to provide independent laboratory test reports from a certified analytical laboratory experienced in environmental acceptability testing documenting tests performed on product samples of the liquid stabilizer products.

 - B. **Product delivery:** Roadbond EN 1 or approved equal shall be delivered, stored and handled in closed, weatherproof containers until immediate distribution on the road. Materials must be stored in covered storage that is well ventilated with adequate protection from theft, flooding or damage. If storage bins are used, they are to be completely enclosed. Insure that the manufacturer's safe handling and mixing instructions are followed without exception.

ITEM
MC-30

Medium-Curing Cutback Asphalt

Property	Test Procedure	Type-Grade	
		MC-30	
		Min	Max
Kinematic viscosity, 140°F, cSt	T201	30	60
Water, %	T 55	-	0.2
Flash point, T.O.C., °F	T 79	100	-
Distillation test:	T 78		
Distillate, percentage by volume of total distillate to 680°F			
to 437°F		-	25
to 500°F		40	70
to 600°F		75	93
Residue from distillation, volume %:		50	-
Tests on distillation residue:			
Penetration, 100g, 5 sec., 77°F	T 49	120	250
Ductility, 5 cm/min., 77°F, cm ¹	T 51	100	-
Solubility in trichloroethylene, %	T 44	99.0	-
Spot test	Tex-509-C	Neg.	

1. If the penetration of residue is more than 200 and the ductility at 77°F is less than 100 cm, the material is acceptable if its ductility at 60°F is more than 100 cm.

STREET MATERIALS COST FACTOR SHEET

BID No.: 2013-14-11

THIS INFORMATION IN THE OPINION OF THE CITY OF WESLACO PUBLIC FACILITIES DEPARTMENT IS YEARLY ESTIMATION OF STREET IMPROVEMENT AND CONSTRUCTION PROJECTED USAGE OF STREET MATERIAL BASED ON BUDGETARY ANALYSIS AND PROJECTIONS ARE SUBJECT TO CHANGE.

ITEM No.:	DESCRIPTION	ESTIMATED ANNUAL USAGE	UNIT PRICE	TOTAL PRICE
1	HOT MIX - DELIVERED	14000 TONS	\$	\$
2	HOT MIX - AT LOCATION	14000 TONS	\$	\$
3	COLD MIX - DELIVERED	360 TONS	\$	\$
4	COLD MIX - AT LOCATION	360 TONS	\$	\$
5	CALICHE - DELIVERED	20000 TONS	\$	\$
6	CALICHE - AT LOCATION	20000 TONS	\$	\$
7	ROAD BOND - DELIVERED	300 GALLON	\$	\$
8	ROAD BOND - AT LOCATION	300 GALLON	\$	\$
9	MC30 OIL - DELIVERED	4700 GALLON	\$	\$
10	MC30 OIL - AT LOCATION	4700 GALLON	\$	\$

The _____ (Bidder), having read the instructions and specification, proposes to furnish the Street Material(s) for the full and firm price indicated on this Bid Form / Cost Factor Sheet, in full compliance with the specifications. Bidder agrees that this bid shall be good and may not be withdrawn for a period of forty-five (45) calendar days after the scheduled closing time for receiving bids. The undersigned affirms that they are duly authorized to execute this contract, that this company, corporation, firm, partnership or individual has not prepared this bid in collusion with any other bidder, and that the contents of this bid as to prices, terms or conditions of said bid have not been communicated by the undersigned nor by any employee or agent to any other person engaged in this type of business prior to the official opening of this bid.

Respectfully submitted this _____ day of _____, 2014

AUTHORIZED SIGNATURE: _____

(Failure to sign will disqualify Bid)

TYPE / PRINT NAME: _____

TITLE: _____

COMPANY: _____

ADDRESS: _____

CITY: _____

STATE: _____

ZIP CODE: _____

TELEPHONE: _____

FAX: _____

Email: _____