



City of Austin

Founded by Congress, Republic of Texas, 1839

Capital Contracting Office, PO Box 1088, Austin, Texas 78767 Telephone 512/974-7181

April 13, 2020

To: Consultants Requesting RFQ Package

SUBJECT: Request for Statements of Qualifications (RFQ) for providing Professional Engineering Services for the 2020 CIP Construction Materials Testing, Geotechnical, & Forensic Engineering Services Rotation List
Solicitation Number: CLMP302 - **ADDENDUM No. 2**

This Addendum No. 2 modifies the RFQ issued March 23, 2020 for the above subject project.

Addendum No. 2

1. REFERENCE – Scope of Services, ANTICIPATED SERVICES, page 2

DELETE THE FOLLOWING:

The following Categories of services are anticipated to be performed on City CIP Projects. The selected firms may provide professional services for one, two, or all three of the following categories. Firms should indicate the desired category or categories in the statement of qualifications.

REPLACE WITH THE FOLLOWING:

The following categories of services are anticipated to be performed on City CIP Projects. The selected firms may provide professional services for one, two, or all three of the following categories. Firms should indicate the desired category or categories in the statement of qualifications. Selected firms will be advised to designate only those categories in which they are qualified/certified to provide services. When a firm designates Category A or B, the selected firm must be able to document a capability to provide all the services required in the designated category either by themselves or through a subcontractor. For Category C, the firm must be able to document a capability to provide the category of work by themselves.

2. REFERENCE – Scope of Services, ANTICIPATED SERVICES, page 4

DELETE THE FOLLOWING:

In responding to this offering, selected firms will prioritize the categories of work in which they wish to provide services. It is anticipated that each firm could be selected to provide services in one or more of the above categories. Selected firms will be advised to designate only those categories in which they are qualified/certified to provide services. When a firm designates a specific category, the selected firm must be able to document a capability to provide all the services required in the designated category either by themselves or through a subcontractor.

3. REFERENCE – Scope of Services, Category C (Forensic Engineering), page 5

DELETE THE FOLLOWING:

The City requires that the selected firms for Forensic Engineering services will be directed by a registered Professional Engineer licensed in the State of Texas, who is identified as the firm's project manager and whose specialty and recent experience is in the specific area of engineering for which the firm will provide forensic engineering services to the City. The project manager must be the local, primary contact for proposals and for resolving quality of service issues and issues related to the firm's contractual relationship with the City. With approval from the City Rotation List Manager, it may be acceptable for the firm to assign a project professional from another of the firm's offices in the United States.

REPLACE WITH THE FOLLOWING:

The City will only consider firms with experience in this category who are applying to be the Prime Firm. This category of services is not a subcontracting opportunity. The City requires that the selected firms for Forensic Engineering services will be directed by a registered Professional Engineer licensed in the State of Texas, who is identified as the firm's project manager and whose specialty and recent experience is in the specific area of engineering for which the firm will provide forensic engineering services to the City. The project manager must be the local, primary contact for proposals and for resolving quality of service issues and issues related to the firm's contractual relationship with the City. With approval from the City Rotation List Manager, it may be acceptable for the firm to assign a project professional from another of the firm's offices in the United States.

4. REFERENCE – Scope of Services, Laboratory Accreditation, page 5

DELETE THE FOLLOWING:

- The City requires the laboratories that provide services under Construction Materials Testing to be accredited/certified by the American Association of State Highway and Transportation Officials (AASHTO) Accreditation Program (AAP) at time of submittal of the Proposal.
- The City requires the laboratories that provide services under Construction Materials Testing to meet the requirements of American Society for Testing and Materials (ASTM) E329, D3740, C1077, C1093, and D3666 in soils, concrete, and HMAC categories, and to be accredited in the tests and procedures listed in Tables 1 through 5 below.

REPLACE WITH THE FOLLOWING:

- The City requires the laboratories that provide services under Construction Materials Testing and Geotechnical Engineering Services to be accredited/certified by the American Association of State Highway and Transportation Officials (AASHTO) Accreditation Program (AAP) at time of submittal of the Proposal.
- The City requires the laboratories that provide services under Construction Materials Testing to meet the requirements of American Society for Testing and Materials (ASTM) E329, D3740, and C1077 in soils, concrete, and HMAC categories, and to be accredited in the tests and procedures listed in Tables 1 through 5 below.

5. REFERENCE – Scope of Services, Technician Certification, page 8

DELETE THE FOLLOWING:

- Soil and Rock – Technicians performing soil and rock testing must be certified concurrently in both Texas Asphalt Pavement Association (TXAPA) SB 101 and SB102 or National Institute for Certification in Engineering Technologies (NICET) Level II Associate Engineering Technician or higher in soils technology. Technicians must pass an annual TXAPA or NICET performance evaluation test. Firms shall provide proof that technicians have passed the TXAPA or NICET annual performance evaluation tests.
- Concrete – Technicians performing concrete testing must be certified as an American Concrete Institute (ACI) Concrete Field-Testing Technician Grade I and/or NICET Level II Associate Engineering Technician in Concrete. Technicians must pass an annual ACI or NICET performance evaluation test. Firms shall provide proof that technicians have passed the ACI or NICET annual performance evaluation tests.
- Hot Mix Asphalt Concrete (HMAC) – Technicians performing HMAC testing must be certified as a TXAPA Level 1A, HMA Plant Operations Specialist, or higher. Technicians must pass an annual TXAPA or NICET performance evaluation test. Firms shall provide proof that technicians have passed the TXAPA or NICET annual performance evaluation tests.
- Flexible Base Stockpiles – Technicians sampling, inspecting, and testing flexible base stockpiles must be under the supervision of a certified concurrently in both TXAPA SB 101 and SB102 or NICET-Level III Engineering Technician or higher in soils technology. Technicians must pass an annual TXAPA or NICET performance evaluation test. Firms shall provide proof that technicians have passed the TXAPA or NICET annual performance.

REPLACE WITH THE FOLLOWING:

- Soil and Rock – Technicians performing soil and rock testing must be certified concurrently in both Texas Asphalt Pavement Association (TXAPA) SB 101 and SB102 or National Institute for Certification in Engineering Technologies (NICET) Level II Associate Engineering Technician or higher in soils technology. Technicians TXAPA certified technicians must pass an annual TXAPA performance evaluation test. Firms shall provide proof that TXAPA certified technicians have passed the TXAPA annual performance evaluation tests.
- Concrete – Technicians performing concrete testing must be certified as an American Concrete Institute (ACI) Concrete Field-Testing Technician Grade I or NICET Level II Associate Engineering Technician in Concrete. ACI certified technicians must pass an annual ACI performance evaluation test. Firms shall provide proof that ACI certified technicians have passed the ACI annual performance evaluation tests.
- Hot Mix Asphalt Concrete (HMAC) – Technicians performing HMAC testing must be certified as a TXAPA Level 1A, HMA Plant Operations Specialist, or higher. TXAPA certified technicians must pass an annual TXAPA test. Firms shall provide proof that TXAPA certified technicians have passed the TXAPA annual performance evaluation tests.
- Flexible Base Stockpiles – Technicians sampling, inspecting, and testing flexible base stockpiles must be under the supervision of a certified concurrently in both TXAPA SB 101 and SB102 or NICET-Level III Engineering Technician or higher in soils technology. TXAPA certified technicians must pass an annual TXAPA performance evaluation test. Firms shall provide proof that TXAPA certified technicians have passed the TXAPA annual performance.

6. REFERENCE – Form A

[Delete Form A in its entirety and replace with Form A revised.]

7. REFERENCE – FORM B

[Delete Form B in its entirety and replace with Form B revised.]

8. REFERENCE – FORM D

[Delete Form D in its entirety and replace with Form D revised.]

All other information in the Solicitation remains unchanged. Please remember this solicitation is currently in a “No Contact” period and all inquiries should be directed to the appropriate contact persons listed in the solicitation. If you have questions regarding this process and project related questions, you may contact me at (512) 974-7055 or kitty.tunnell@austintexas.gov.

Sincerely,



Kitty Tunnell, Procurement Specialist IV
Professional Services Division
Capital Contracting Office

cc: Jay Ulary, P.E., PMP, Consulting Engineer, PWD
Jeremy Wall, Procurement Supervisor, CCO
Rachelle Delouis, Business Development Counselor II, SMBR



FORM A: Construction Materials Testing (Category A) – Testing, Procedures, and Laboratory Accreditation Checklist

Circle each testing procedure that the firm is accredited in (Table A) and check each box in the far right column (Tables 1–6) to indicate the firm’s accreditation. For any standard in Tables A and 1–6 that is currently considered “WITHDRAWN, NO REPLACEMENT,” refer to the latest published version of this standard.

TABLE A. LABORATORY ACCREDITATION

Failure to circle yes (prime firm or subconsultant) in all categories in Table A will deem the firm non-responsive.

LABORATORY ACCREDITATION (Circle Yes or No for all.)		
AASHTO	YES	NO
ASTM E329	YES	NO
ASTM D3740	YES	NO
ASTM C1077	YES	NO
Active TxDOT Precertified (Asphaltic Concrete)	YES	NO

Table 1. SOIL TESTS and PROCEDURES

ASTM	AASHTO	TxDOT	TITLE	Check Box if Accredited
D421	T87	Tex-101-E	Practice for Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants	
D422	T88	Tex-110-E	Test Method for Particle-Size Analysis of Soils	
D698	T99	Tex-113-E	*Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials and Cohesionless sand	
D698	T99	Tex-114-E	*Laboratory Compaction Characteristics and Moisture-Density Relationship of Subgrade & Embankment Soils	
D1140	T11	Tex-111-E	*Determination of Amount of Material in Soils Finer Than the 75-µm (No. 200) Sieve	
D2216	T265	Tex-103-E	*Determination of Moisture Content in Soil Materials	
D1557	T180		Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 lbf/ft ³ (2,700 kN/-m ³))	

FORM A: Construction Materials Testing (Category A) – Testing, Procedures, and Laboratory Accreditation Checklist

ASTM	AASHTO	TxDOT	TITLE	Check Box if Accredited
	T146	Tex-101-E	Practice for Wet Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants	
D2487		Tex-142-E	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	
D2488		Tex-141-E	Practice for Description and Identification of Soils (Visual-Manual Procedure)	
D6938	T238	Tex-115-E Part I	Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)	
D6938	T239	Tex-115-E Part I	Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth)	
D4318	T89	Tex-104-E	*Determination of Liquid Limit of Soils	
D4318	T90	Tex-105-E	*Determination of Plastic Limit of Soils	
D4318	T90	Tex-106-E	*Method of Calculating the Plasticity Index of Soils	
		Tex-121-E	*Soil Lime Compression Test	
		Tex-116E	*Ball Mill Method	
		Tex-117E Part I	*Standard Triaxial Compression Test	

*Title from TxDOT Manual; others titles from ASTM Standards

Table 2. CONCRETE TESTS and PROCEDURES

ASTM	AASHTO	TxDOT	TITLE	Check Box if Accredited
C31	T23	Tex-447-A	Practice for Making and Curing Concrete Test Specimens in the Field	
C39	T22	Tex-418-A	Test Method for Compressive Strength of Cylindrical Concrete Specimens	
C78	T97	Tex-448-A	Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	
C138	T121	Tex-417-A	Test Method for Unit Weight, Yield, and Air Content (Gravimetric) of Concrete	
C143	T119	Tex-415-A	Test Method for Slump of Hydraulic Cement Concrete	
C172	T141	Tex-407-A	Practice for Sampling Freshly Mixed Concrete	

FORM A: Construction Materials Testing (Category A) – Testing, Procedures, and Laboratory Accreditation Checklist

C231	T152	Tex-416-A	Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	
C617	T231	Tex-450-A	Practice for Capping Cylindrical Concrete Specimens	
C1064		Tex-422-A	Test Method for Temperature of Freshly Mixed Portland Cement Concrete	

Table 3. AGGREGATE TESTS AND PROCEDURES

ASTM	AASHTO	TxDOT	TITLE	Check Box if Accredited
C40	T21	Tex-408-A	Test Method for Organic Impurities in Fine Aggregates for Concrete	
C88	T104	Tex-411-A	Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	
C117	T11	Tex-406-A	Test Method for Materials Finer than 75- μ m (No. 200) Sieve in Mineral Aggregates by Washing	
C127	T85	Tex-403-A	Test Method for Density, Relative Density (Specific Gravity), and Absorption of Coarse Aggregate	
C128	T84	Tex-403-A	Test Method for Density, Relative Density (Specific Gravity), and Absorption of Fine Aggregate	
C131	T96	Tex-410-A	Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine	
C136	T27	Tex-401-A	Test Method for Sieve Analysis of Fine and Coarse Aggregates	
C142	T112	Tex-413-A	Test Method for Clay Lumps and Friable Particles in Aggregates	
C566	T255		Test Method for Total Evaporable Moisture Content of Aggregate by Drying	
C702	T248		Practice for Reducing Samples of Aggregate to Testing Size	
D75	T2	Tex-400-A	Practice for Sampling Aggregates	
D2419	T176	Tex-203-F	Test Method for Sand Equivalent Value of Soils and Fine Aggregate	

FORM A: Construction Materials Testing (Category A) – Testing, Procedures, and Laboratory Accreditation Checklist

Table 4. ASPHALTIC MATERIAL TESTS and PROCEDURES

ASTM	AASHTO	TxDOT	TITLE	Check Box if Accredited
D4318	T90	Tex-106-E	*Method of Calculating the Plasticity Index of Soils	
		Tex-107-E	*Determination of Bar Linear Shrinkage of Soils	
		Tex-200-F	*Sieve Analysis of Fine and Coarse Aggregates	
D5	T49		Test Method for Penetration of Bituminous Materials	
D36	T53		Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus)	
D113	T51		Test Method for Ductility of Bituminous Materials	
D140	T40	Tex-222-F	Practice for Sampling Bituminous Materials	
D244	T59		Test Methods for Emulsified Asphalts	
D402	T78		Test Method for Distillation of Cut-Back Asphaltic (Bituminous) Products	
D1754	T179		Test Method for Effect of Heat and Air on Asphaltic Materials (Thin-Film Oven Test)	
D1856	T170	Tex-211-F	Test Method for Recovery of Asphalt From Solution by Abson Method	
D2170	T201		Test Method for Kinematic Viscosity of Asphalts (Bitumens)	
D2171	T202		Test Method for Viscosity of Asphalts by Vacuum Capillary Viscometer	

*Title from TxDOT Manual; others titles from ASTM Standards

Table 5. HOT MIX ASPHALT TESTS and PROCEDURES

ASTM	AASHTO	TxDOT	TITLE	Check Box if Accredited
D979	T168	Tex-222-F	Practice for Sampling Bituminous Paving Mixtures	
D1560	T246	Tex-208-F	Test Methods for Resistance to Deformation and Cohesion of Bituminous Mixtures by Means of Hveem Apparatus	
D2041	T209	Tex-227-F	Test Method for Theoretical Maximum Specific Gravity and Density of Bituminous Paving Mixtures	

FORM A: Construction Materials Testing (Category A) – Testing, Procedures, and Laboratory Accreditation Checklist

ASTM	AASHTO	TxDOT	TITLE	<i>Check Box if Accredited</i>
D2172	T164	Tex-210-F	Test Methods for Quantitative Extraction of Bitumen From Bituminous Paving Mixtures	
D2726	T166	Tex-207-F	Test Method for Bulk Specific Gravity and Density of Compacted Bituminous Mixtures Using Saturated Surface-Dry Specimens	
D3203	T269		Test Method for Percent Air Voids in Compacted Dense and Open Bituminous Paving Mixtures	
D5444			Test Method for Mechanical Size Analysis of Test Extracted Aggregate	

FORM B: Geotechnical Engineering (Category B) – Testing, Procedures, and Laboratory Accreditation Checklist

Circle each testing procedure that the firm is accredited in (Table 1) and check each box in the far right column (Table 2) to indicate the firm’s accreditation. For any standard in Tables 1–2 that is currently considered “WITHDRAWN, NO REPLACEMENT,” refer to the latest published version of this standard.

Table 1. Laboratory Accreditation

LABORATORY ACCREDITATION (Circle all that apply)		
AASHTO	YES	NO
ASTM E329	YES	NO
ASTM D3740	YES	NO
ASTM C1077	YES	NO

Table 2. SOIL TESTS and PROCEDURES

ASTM	AASHTO	TxDOT	TITLE	<i>Check Box if Accredited</i>
D421	T87	Tex-101-E	Practice for Dry Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants	
D422	T88	Tex-110-E	Test Method for Particle-Size Analysis of Soils	
D698	T99	Tex-113-E	*Laboratory Compaction Characteristics and Moisture-Density Relationship of Base Materials and Cohesionless sand	
D698	T99	Tex-114-E	*Laboratory Compaction Characteristics and Moisture-Density Relationship of Subgrade & Embankment Soils	
D1140	T11	Tex-111-E	*Determination of Amount of Material in Soils Finer Than the 75-µm (No. 200) Sieve	
D2216	T265	Tex-103-E	*Determination of Moisture Content in Soil Materials	
D1557	T180		Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 lbf/ft ³ (2,700 kN/-m ³))	
	T146	Tex-101-E	Practice for Wet Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants	
D2487		Tex-142-E	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	
D2488		Tex-141-E	Practice for Description and Identification of Soils (Visual-Manual Procedure)	

FORM B: Geotechnical Engineering (Category B) – Testing, Procedures, and Laboratory Accreditation Checklist

ASTM	AASHTO	TxDOT	TITLE	<i>Check Box if Accredited</i>
D6938	T238	Tex-115-E Part I	Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)	
D6938	T239	Tex-115-E Part I	Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth)	
D4318	T89	Tex-104-E	*Determination of Liquid Limit of Soils	
D4318	T90	Tex-105-E	*Determination of Plastic Limit of Soils	
D4318	T90	Tex-106-E	*Method of Calculating the Plasticity Index of Soils	

*Title from TxDOT Manual; others titles from ASTM Standards

FORM D: Forensic Engineering (Category C) – Testing, Procedures, and Laboratory Accreditation Checklist

Circle each testing procedure that the firm is accredited in (Table 1).

Table 1: Laboratory Accreditation (Informational)

LABORATORY ACCREDITATION (Circle YES or NO if Laboratory is Accredited)		
ASTM E329	YES	NO
ASTM D3740	YES	NO
ASTM C1077	YES	NO

Demonstration of Expertise

The City is interested in the firm’s past experience in being nationally recognized for the expertise of their professional and technical staff.

Please provide a total of 3 examples of any combination of the following, in addition to documents required by the Evaluation Criteria:

- Published articles in industry, technical journals or magazines for forensic studies of construction materials
- Awards received for forensic studies of construction materials
- Other documented, comparable demonstration of qualifications and experience