City of Austin
Founded by Congress, Republic of Texas, 1839
Capital Contracting Office, PO Box 1088, Austin, Texas 78767 Telephone 512/974-7181

July 26, 2016

To: Consultants Requesting RFQ Package

SUBJECT: Request for Statements of Qualifications (RFQ) for providing Construction Materials, Geotechnical, and Forensic Engineering Services RL
Solicitation Number: CLMP200 - **ADDENDUM No. 2**

Addendum No. 2

1. **REFERENCE – COVER PAGE; ANNOUNCEMENT LETTER; REQUEST FOR QUALIFICATIONS, Page 1 of 3; SCOPE OF SERVICES, PROPOSED PROJECT SCHEDULE, Page 9 of 11**

   ☐ DELETE THE FOLLOWING:

   Submittal Due Date: August 3, 2016, Prior to 3:00 p.m.

   ☐ REPLACE WITH THE FOLLOWING:

   Submittal Due Date: August 5, 2016, Prior to 3:00 p.m.

2. **REFERENCE – SCOPE OF SERVICES, Table 1. SOILS TESTS AND PROCEDURES, Page 4 of 11**

   ☐ DELETE THE FOLLOWING:

   For any ASTM standard in Tables 1–5 that is currently considered "WITHDRAWN, NO REPLACEMENT," refer to the latest published version of this standard.

   ☐ REPLACE WITH THE FOLLOWING:

   For any standard in Tables 1–5 that is currently considered "WITHDRAWN, NO REPLACEMENT," refer to the latest published version of this standard.

3. **REFERENCE – SCOPE OF SERVICES, Table 1. SOILS TESTS AND PROCEDURES, Page 5 of 11**

   ☐ DELETE THE FOLLOWING ROWS:

D6938	T238	Tex-115-E Part II	Test Methods for Density of Soil and Soil-Aggregate in Place by Nuclear Methods (Shallow Depth)
D6938	T239	Tex-115-E Part II	Test Method for Water Content of Soil and Rock in Place by Nuclear Methods (Shallow Depth)

☐ REPLACE WITH THE FOLLOWING ROWS:

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)

4. **REFERENCE – SCOPE OF SERVICES, Table 3. AGGREGATE TESTS AND PROCEDURES, Page 6 of 11**

☐ DELETE THE FOLLOWING ROW:

C117	T11	Tex-406-A	Test Method for Materials Finer than 75-&#181m (No. 200) Sieve in Mineral Aggregates by Washing

☐ REPLACE WITH THE FOLLOWING ROW:

C117	T11	Tex-406-A	Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing

5. **REFERENCE – FORM A: Category 1 – Construction Materials Testing – Testing, Procedures, and Laboratory Accreditation Checklist**

☐ DELETE IN ITS ENTIRETY.

☐ REPLACE WITH ATTACHED **FORM A** – 5 pages

6. **REFERENCE – FORM B: Category 2: Geotechnical Engineering – Testing, Procedures, and Laboratory Accreditation Checklist**

☐ DELETE IN ITS ENTIRETY.

☐ REPLACE WITH ATTACHED **FORM B** – 2 pages

7. **REFERENCE – FORM C: Technician Certification**

☐ DELETE IN ITS ENTIRETY.

☐ REPLACE WITH ATTACHED **FORM C** – 2 pages

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 Steve Cocke at (512) 974-7998 or steven.cocke@austintexas.gov.

Sincerely,

Steve Cocke

Steve Cocke, Buyer II
Contract Procurement Division
Capital Contracting Office

cc: Jay Ulary, PE, Consulting Engineer, Public Works
Tica Chitrarachis, Project Coordinator, Public Works
Tamela Saldana, Division Manager, SMBR
Garrett Cox, Contract Procurement Supervisor, CCO

FORM A: Category 1 – Construction Materials Testing – 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 (Tables 2–7) to indicate the firm's accreditation. For any standard in Tables 1–7 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)	
ASTM	**Specify YES or NO if Laboratory is Accredited**
E329	YES / NO
D3740	YES / NO
C1077	YES / NO
D3666	YES / NO
Active TxDOT Precertified (Asphaltic Concrete)	YES / NO

Table 2. 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 ($56{,}000\ lbf/ft^3$ ($2{,}700\ kN/-m/m^3$))	
	T146	Tex-101-E	Practice for Wet Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants	

FORM A: Category 1 – Construction Materials Testing – Testing, Procedures, and Laboratory Accreditation Checklist

ASTM	AASHTO	TxDOT	TITLE	*Check Box if Accredited*
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	

*Title from TxDOT Manual; others titles from ASTM Standards

Table 3. 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	
C231	T152	Tex-416-A	Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method	

ASTM	AASHTO	TxDOT	TITLE	*Check Box if Accredited*
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 4. 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-µm (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	

Table 5. 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	
D3142	T227		Test Method for Density of Liquid asphalts (Hydrometer Method)	

*Title from TxDOT Manual; others titles from ASTM Standards

Table 6. 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	

ASTM	AASHTO	TxDOT	TITLE	*Check Box if Accredited*
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	

Table 7. SPECIALIZED TESTING

ASTM	AASHTO	TxDOT	TITLE	*Check Box if Accredited*
		Tex-116-E	Ball Mill Method for Determining the Disintegration of Flexible Base Material	
		Tex-117-E	Triaxial Compression for Disturbed Soils and Base Materials	

FORM B: Category 2: Geotechnical Engineering – 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)	
A2LA	YES/NO
AASHTO	YES/NO
E329	YES/NO
D3740	YES/NO
C1077	YES/NO
D3666	YES/NO

Table 2. 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/m^3))	
	T146	Tex-101-E	Practice for Wet Preparation of Soil Samples for Particle-Size Analysis and Determination of Soil Constants	

FORM B: Category 2: Geotechnical Engineering – Testing, Procedures, and Laboratory Accreditation Checklist

ASTM	AASHTO	TxDOT	TITLE	*Check Box if Accredited*
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	

*Title from TxDOT Manual; others titles from ASTM Standards

Form C: Technician Certification

TYPE OF WORK				
Soils and Portland Cement Concrete				
	Subcategory	**Requirement**	**Person Performing Work**	**Certification Title**
	Soils	NICET Level II or Higher Associate Engineering Technician in soils technology **OR**		
		Technician certified for a minimum of 2 years in both TXAPA SB101 and SB102		
	Portland Cement	Certified as an American Concrete Institute Grade 1 OR		
		NICET Level II or Higher Associate Engineering Technician in Concrete		
Asphaltic Cement Concrete				
	Subcategory	**Requirement**	**Person Performing Work**	**Certification Title**
	N/A	Texas Hot Mix Asphalt (HMA) Pavement Association		
		Texas Hot Mix Asphalt (HMA) Plant Operations Specialist or Higher		

Form C: Technician Certification

Specialized Testing				
	Subcategory	**Requirement**	**Person Performing Work**	**Certification Title**
	Structural Steel	American Welding Society (AWS) Welding Inspectors		
		Certified American Society for Nondestructive Testing (ASNT) NDT Level II, or higher		
	Corrosion Coatings	National Association of Corrosion Engineers (NACE) Corrosion Inspector		
		Documented comparable, demonstrated qualifications and experience		
Geotechnical Engineering				
	Subcategory	**Requirement**	**Person Performing Work**	**Certification Title**
	N/A	NICET Level II or Higher Associate Engineering Technician in soils technology **OR**		
		Technician certified for a minimum of 2 years in both TXAPA SB101 and SB102		