



REQUEST FOR QUALIFICATIONS (RFQ) NO.124

**SPECIAL INSPECTION, MATERIAL TESTING, AND
GEOTECHNICAL ENGINEERING SERVICES**

**SOUTHWESTERN COMMUNITY COLLEGE DISTRICT
900 Otay Lakes Road, Chula Vista, California 91910**

Key RFQ Dates:

Issued:	August 17, 2010
Mandatory Pre-Proposal:	10: 00 a.m. August 27, 2010
Last Day for Questions:	12:00 p.m. August 31, 2010
Submittal:	3:00 p.m. September 3, 2010
Shortlist Announcement:	September 7, 2010
Potential Interview Dates:	TBD
Issue Notice (Est.)	TBD

RFQ No. 124
SPECIAL INSPECTION, MATERIAL TESTING, AND GEOTECHNICAL SERVICES
FOR PROPOSITION R PROJECTS

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FOR PROPOSITION R PROJECTS

I. INTRODUCTION

A. Purpose of RFQ

The Southwestern Community College District (District) is seeking technical qualifications from qualified specialty consultants interested in providing the District with DSA special inspection, material testing, and/or geotechnical services.

Firms that successfully qualify, will be placed on a pre-approved list for these services, and may be selected for qualified projects to be identified in the future. The exact scope of services required by the District will be set forth in the agreement between the District and the selected Consultant. The services to be performed under the RFQ include but are not limited to:

- Required labor, materials, equipment and supplies necessary for materials testing and inspection
- Geotechnical engineering, investigation, and reporting.

Your firm is invited to submit a written response outlining your organization's qualifications and willingness to provide the services described above.

B. Background

Established in 1961, Southwestern College is one of 109 public community colleges in the state of California and the only institute of higher education located in the southern portion of San Diego County. Its location—nestled between the City of San Diego and the U.S.-Mexico international border on a 156-acre plot—positions it to play an important role in the intellectual growth of more than 400,000 residents that call South County home. Serving approximately 22,000 students annually, Southwestern College offers more than 285 associate degree and certificate options. A host of noncredit courses designed to enhance personal and professional development are also offered through the College's Continuing Education department.

Southwestern College has continuously received accreditation by the Western Association of Schools and Colleges. Whether pursuing an A.A. degree, preparing to transfer to a four-year college or university, or acquiring new occupational skills, students attending Southwestern College are given every opportunity to meet their educational goals.

The Southwestern Community College District (District) completed the update to its Educational and Facilities Master Plan in July 2000. As part of this planning process a number of facility needs were identified for the District. Through the process, the District defined a comprehensive scheduled maintenance list of projects, modernization of buildings, infrastructure upgrades and the development of two (2) education centers.

In 2008, the District successfully passed Proposition R, a \$389 million General Obligation Bond. The Bond intends to improve affordable, South Bay community college education/job training, qualify for state matching grants, upgrade nursing, firefighter/police academy training, repair classrooms, science labs/technology, fix plumbing, bathrooms, roofs, wiring, improve fire/earthquake safety, heating/security systems, remove asbestos; acquire, construct, repair, equip classrooms, sites, facilities, improve handicapped accessibility/energy efficiency to reduce costs; shall Southwestern Community College District issue \$389,000,000 in bonds, at legal rates, required citizen oversight, annual audits and no money for administrators' salaries.

The District intends to sell \$170 million in the 1st issue of bonds which will be the foundation for this proposal.

Proposition R will:

- Construct new buildings and classrooms district wide
- Retrofit all buildings and classrooms for earthquake safety as required by law
- Install and repair fire safety equipment including alarms, smoke detectors, sprinklers, emergency lighting, and fire safety doors
- Remove asbestos and lead paint
- Improve energy efficiency by replacing outdated heating and ventilation systems and expanding water recycling programs
- Upgrade outdated and deteriorating buildings and classrooms
- Meet handicap accessibility requirements
- Repair and renovate classrooms that lack adequate plumbing, heating, air conditioning, ventilation and roofing
- Upgrade electrical systems and wiring for computer technology and internet access

This RFQ does not commit the District to award a Services Agreement for the program, or to pay any costs incurred in the preparation or delivery of any Qualifications submitted in response to this RFQ. The District reserves the right, at anytime, to rescind this RFQ, in part or in whole. The District further reserves the right to seek modifications of any Qualifications, to waive any irregularities in any responses received.

C. School/Project Sites

Southwestern College

900 Otay Lakes Road
Chula Vista, CA 91910

Higher Education Center at National City

880 National City Boulevard
National City, CA 91950

Higher Education Center at Otay Mesa

8100 Gigantic Street
Otay Mesa, CA 92154

Higher Education Center at San Ysidro

460 W. San Ysidro Blvd.
San Ysidro, CA 92173

Crown Cove Aquatic Center

Silver Strand Blvd.
5000 Hwy. 75
Coronado, CA 92118-3215

D. Anticipated Time Schedule

- Issued: August 17, 2010
- Mandatory Pre-Proposal: 10:00 a.m. August 27, 2010
(At Southwestern Community College
900 Otay Lakes Road, Building 1688) Parking permits will be
issued at building. Please arrive early.
- Last Day for Questions: 12:00 p.m. August 31, 2010
- Submittal: 3:00 p.m. September 3, 2010
- Shortlist Announcement: September 7, 2010
- Potential Interviews: TBD
- Issue Notice (Est.) TBD

II. GENERAL INSTRUCTIONS

A. Response Submittal

The respondent shall submit one (1) original and three (3) copies of its response by 3:00 p.m. (local time), September 3, 2010 to:

Southwestern Community College District
Bond Program Office
900 Otay Lakes Road, Building 1688
Chula Vista, California 91910
Attention: Henry Amigable, CCM
Bond Program Director

Responses received after 3:00 p.m., September 3, 2010 may, at the sole discretion of the District, be rejected as non-responsive and returned without review. It is the practice of the District not to consider late offers unless it is determined that a selection cannot be made from among the responses received on time. In order to be considered "on time," a response must be date-stamped or bear a handwritten inscription by an authorized representative of the District Contracts Management Office confirming receipt by the above-specified deadline.

The District shall not be responsible for, nor accept as a valid excuse for late response delivery, any delay in mail service or other method of delivery used by the respondent.

Faxed/Emailed RFQ's will not be accepted.

All responses shall be enclosed in a sealed package(s) plainly marked with the words "Response Responding to RFQ No 124: SPECIAL INSPECTION, MATERIAL TESTING, AND GEOTECHNICAL SERVICES FOR PROPOSITION R PROJECTS"

All responses shall be firm offers subject to acceptance by the District and may not be withdrawn for a period of 120 calendar days following the last day to accept responses. Responses may not be amended after the due date except by the consent of the District.

B. Questions from Respondents

Questions or comments regarding this RFQ (except to inquire about the number of addenda issued) must be in writing and received no later than 12:00 p.m. (local time) on August 31, 2010. Written questions are to be emailed to Henry Amigable, Bond Program Director at hamigable@swccd.edu.

C. RFQ Addenda/Clarifications

If it becomes necessary for the District to revise any part of this RFQ, or to provide clarification or additional information after the response documents are released, a written addendum will be sent to each recipient of record of the original RFQ. Recipients of record are those parties that obtained a copy of the RFQ directly from the District. Addenda will be sent by telecopy, E-mail, and will be posted to the District's bond website at www.buildswc.com . It shall be the responsibility of the respondents to inquire of the District as to any addenda issued. This may be done by calling or emailing the Program Director at (619) 482-6593, or email: hamigable@swccd.edu, prior to the response-submittal deadline. All addenda issued shall become part of the RFQ.

In addition, responses to written questions received will be incorporated in an RFQ addendum.

D. Pre-contractual Expenses

Pre-contractual expenses are defined as any expenses incurred by the respondent in: (1) preparing its response in response to this RFQ; (2) submitting that response to the District; (3) negotiating with the District any matter related to this RFQ, including a possible contract; or (4) engaging in any other activity prior to the effective date of award, if any, of a contract resulting from this RFQ. The District shall not, under any circumstance, be liable for any pre-contractual expenses incurred by respondents, and respondents shall not include any such expenses as part of their responses.

E. No Commitment to Award

Issuance of this RFQ and receipt of responses does not commit the District to award a contract. The District expressly reserves the right to postpone response opening for its own convenience, to accept or reject any or all responses received to this RFQ, to negotiate with more than one respondent concurrently, or to cancel all or part of this RFQ. Award of RFQ is final and without appeal.

F. Joint Offers

Where two or more respondents desire to submit a single response to this RFQ, they should do so on a prime-subcontractor basis rather than as a joint venture or informal team. The District intends to contract with a single firm and not with multiple firms doing business as a joint venture.

G. Exceptions/Deviations

Any exceptions to or deviations from the requirements set forth in this RFQ must be declared in the response submitted by the respondent. Such exceptions or deviations must be segregated as a separate element of the response under the heading "Exceptions and Deviations," and incorporated in the Appendix section of your submittal.

H. Insurance

1. During the term of this Contract, the Consultant shall, at its own cost and expense, procure and maintain the following types of insurance:
 - a. Statutory Workers' Compensation, as required by the California Labor Code, and Employer's Liability with limits not less than \$1,000,000 per occurrence; and
 - b. Commercial General and Auto Liability insurance, with limits not less than \$1,000,000 per occurrence/\$2,000,000 aggregate.
 - c. Professional liability insurance, with limits of \$1,000,000, per claim.
2. Prior to the commencement of work, the Consultant shall furnish the District with insurance endorsements evidencing the above insurance coverage and further indicating that the Contractor's policies have been endorsed to name the "Southwestern Community College District and Its Board of Trustees", and its Program manager as an additional insured thereon, with provision made for cross liability. The endorsements shall further provide that "Consultant's" policy is primary of any insurance carried by the District" and that "the policy will not be canceled or materially changed without thirty (30) days prior notice in writing" being given to the District's Contracts Manager.
3. All evidence of insurance coverage required to be submitted in accordance with this Paragraph shall be delivered to the addressee for the District specified in Agreement for Services to this program. The District shall make the final determination as to whether the documentation submitted by the Consultant conforms to the requirements of this Paragraph.
4. If any subcontractor(s) or independent contractor(s) is utilized by the Consultant for the purpose of carrying out portions of this Contract, said subcontractor(s) or independent contractor(s) shall also be required to comply with the insurance provisions set forth in this Paragraph and the indemnification provisions set forth in Agreement for Services.

I. Indemnification

Consultant shall indemnify, pay for the defense of, and hold harmless District and its officers, agents and employees of and from any and all liabilities, claims, debts, damages, demands, suits, actions and causes of actions of whatsoever kind, nature or sort which may be incurred by reason of Consultant's negligence, recklessness, or willful acts and/or omission in rendering any services hereunder. Consultant shall assume full responsibility for payments of federal, state and local taxes or contributions imposed or required under the social security, Workers' Compensation or income tax law, or any disability or unemployment law, or retirement contribution of any sort whatever, concerning Consultant or any employee and shall further indemnify, pay for the defense of, and hold harmless District of and from any such payment or liability arising out of or in any manner connected with Consultant's performance under this Agreement.

II. RESPONSE FORMAT AND CONTENT

A. Presentation

Responses shall be submitted in 8 ½" x 11" sizes. Responses should be typed and should not include any unnecessarily elaborate or promotional material. Lengthy narrative is discouraged; presentations should be brief and concise, yet informative. The response should not exceed 20 single sided pages in length, excluding the transmittal Letter, table of contents, and the appendix. The form, content and sequence of the response should follow the outline presented below.

B. Response Content

1. **Transmittal Letter/Introduction (1 page maximum):** The letter of transmittal shall be addressed to Henry Amigable, Bond Program Director, and must, at a minimum, contain the following:
 - identification of the offering firm(s), including name, mailing address, E-mail address, telephone number and fax number of each firm;
 - acknowledgment of receipt of RFQ addenda, if any;
 - name, title, address and telephone number and fax number of contact person during period of response evaluation;
 - a statement to the effect that the response shall remain valid for a period of not less than one hundred-twenty (120) days from the due date for responses;
 - identification of any information contained in the response which the respondent deems to be, and establishes as, confidential or proprietary and wishes to be withheld from disclosure to others under the state Public Records Act (a blanket statement that all contents of the response are confidential or proprietary will not be honored by the District); and
 - signature of a person authorized to bind the offering firm to the terms of the response.
2. **Table of Contents**

Immediately following the transmittal letter and introduction, there should be a complete table of contents for material included in the response.
3. **Company Profile and overall Experience:** Briefly furnish background information about your firm, including date of founding, legal form (sole proprietorship, partnership, corporation/state of incorporation), number and location of offices, and principal lines of business. **Certify** that the firm is legally permitted or licensed to conduct business in the State of California for the services offered.
4. **Related Experience and References**

Overview: This section should establish the ability of the respondent (and its sub Consultants, if any) to satisfactorily perform the required work by reasons. Provide examples of similar project experience. As a minimum, please include the following per project experience:

- Project Name, Location – Year Complete
- Brief project description describing your experience.
- Owner Name, Title, and current phone number: The District will verify all contact information.
- Construction Budget vs. final Construction Cost and describe any difference between them.

Information should be furnished for both the respondent and/or sub Consultants included in the offer. *Firms that show community college project experience may be rated higher.*

5. Proposed Staffing and Project Organization This section should discuss the staff of the proposing firm who would be assigned to work on the District's project(s). The District may choose to marry projects with firms that show personnel with similar and past experiences.

- a. Identify the **key personnel** that would be assigned to the District's program. Include a brief description of their qualifications, job functions and office location. Designate a **Project Executive** who is authorize to sign and enter into contract, a **Project Manager/Engineer** that would provide day-to-day direction of the required work and become the District's primary contact person, a **Field Engineer/Soils Technician**, and a **Lab Technician**. Furnish brief resumes (not more than one page long) for each key personnel.

6. Cost and Price: This section should disclose all charges to be assessed the District for the required services and declare the respondent's preferences for method and timing of payment. The Cost and Price should be submitted in a separate sealed envelope labeled RFQ 124; Cost and Pricing.

- For all key persons listed above, furnish a schedule of hourly labor rates that the District could use to purchase from your firm's services. These should be quoted as fully-burdened (e.g., direct labor + overhead + profit) hourly rates offered on a time-and-materials basis. The rates provide must be valid for 120 days. Please use the following table format:

Name	Title	Rate/Hr
<i>(i.e) Joe Smith</i>	<i>Soils Technician</i>	<i>\$0/Hr</i>

- Also, provide proposed percentages on reimbursable expenses

7. Exceptions/Deviations. State any exceptions to or deviations from the requirements of this RFQ. If you wish to present alternative approaches to meet the District's work requirements, these should be thoroughly explained.

Please furnish the following information in the Appendix section of your submittal.

- 1. Litigation and Claims:** Furnish as an appendix and provide specific information on termination for default, litigation settled or judgments entered within the last five (5) years, and civil judgments or criminal convictions for false claims within the last five (5) years.

V. RESPONSE EVALUATION AND CONTRACT AWARD

A. Evaluation Panel

An Evaluation Panel consisting of District and Bond Management Team staff will be responsible for reviewing, analyzing and evaluating the responses received. The Evaluation Panel will select the successful respondent(s).

In addition to its own staff, the District may utilize the unpaid services of one or more individuals from other agencies in the evaluation of responses.

B. Evaluation Criteria

By use of numerical and narrative scoring techniques, responses will be evaluated by the Evaluation Panel against the factors specified below, which are listed in descending order of weight and importance. Within each evaluation criterion listed, the sub criteria to be considered are those described in the "Response Format and Content" section of this RFQ.

- Qualifications, experience and references of respondent; (50 pts)
- Staffing and organization; (35 pts)
- Miscellaneous [exceptions/deviations, certifications and affidavits,
- completeness of response, adherence to RFQ instructions, other relevant factors not considered elsewhere] (15 pts)

Upon selection of the most qualified respondents, the District may require the finalists to make an oral presentation to the Evaluation Panel to further explain their qualifications. If such interviews are conducted, the District's appraisals of the presentations will also be factored into the final scores assigned to the responses. However, respondents are advised that award may be made without interviews or further discussion.

The District expressly reserves the right to reject any or all qualifications, with or without giving a reason, and to waive any irregularities or informalities in the offers received. In the event of any such rejection, or in the event a respondent's offer is not rejected but does not result in a contract award, the District shall not be liable for any costs incurred by the respondent in connection with the preparation and submittal of the response.

C. Contract Award

It is the intent of the District to shortlist a pool of pre-qualified firms as the result of this RFQ. The projects listed in Exhibit C are subject to change. The District may add or remove projects at its discretion; therefore the quantity of firms to be shortlisted as a result of this RFQ is yet to be determined. The District intends to release at least Phase 1 of Proposition R projects to the shortlisted firms for further negotiations or request for cost proposals. However, the District reserves the right

to apportion the requirements of this RFQ among multiple Consultants if this is determined to be in the District's best interests. Depending on the dollar amount of the award(s), the contract(s) resulting from this RFQ may be required to be approved by the District's Board of Trustees. No minimum amount of work is guaranteed.

EXHIBIT A SCOPE OF WORK

A. Special Inspection and Material Testing

Regulations – Title 24 Requirements, latest edition and all other related applicable standards, and will include but not be limited to the following scope:

1. Observe Contractor's operations to ensure conformance with specifications and applicable standards, and perform special testing and inspections in accordance with the State Fire Marshal approved Contract Documents, including but not limited to the following:

a. Cast-in-Place Concrete

- i. Review mix designs and certificates of compliance for materials Contractor proposes to use.
- ii. Visit batch plant prior to initial batching to verify plant quality controls are adequate.
- iii. Collect and review tickets for each batch of concrete delivered. Annotate water or admixtures added subsequent to batching.
- iv. Special Inspect concrete placement, as required by CBC Section 1701.5, Item 1, for conformance with the Contract Documents.
- v. Compressive Strength: Test concrete for compressive strength in accordance with CBC Section 1905.6 and ASTM C39. Conform to testing frequency of CBC 1905.6.1. Take 4 specimens per sample, test one at seven days, one at 14 days and two at 28 days, and retain one specimen.
- vi. Sample and test for slump and temperature at same frequency as compression tests.
- vii. Slump: ASTM C143; one test at truck at start of placement and for each compressive strength sample.
- viii. Temperature: ASTM C1064; one test hourly. Take additional tests where warranted by weather conditions, delays in delivery.
- ix. Base plate Grouting: Inspect mixing and placing of non-shrink grout. Test or compressive strength in accordance with ASTM C109. Make one sample for each 10 cubic feet of grout placed, but not less than one sample for each day's placement.

b. Reinforcing Steel

- i. Review Quality Assurance procedures for maintaining identification of steel.
- ii. Collect certificates of compliance for reinforcing steel for record purposes.
- iii. Collect available test reports for record purposes.
- iv. Review and verification of any submitted welding procedure specifications and qualification tests.
- v. Special Inspect placement of reinforcement for conformance with the Contract Documents, as required by CBC Section 1701.5, Item 4.
- vi. Special Inspect installation of mechanical couplers in accordance with requirements of applicable ICC Evaluation Report.
- vii. Test mechanical couplers in tension to failure. Test 2 specimens at the start of installation for each coupler size for the first 100 installed, then 1 for each 100 additional couplers.

- viii. Inspect welding as required by CBC Section 1701.5, Item 5.3, for compliance with WS D1.4; including checking materials, equipment, procedure and welder qualification as well as the welds. Inspectors will use nondestructive testing or any other aid to visual inspection that they deem necessary to assure themselves of the adequacy of the weld.

c. Structural Steel, Miscellaneous Metal & Prefabricated Metal Stairs

- i. Review manufacturer's test reports for compliance with specified requirements.
- ii. Review welding procedure specifications.
- iii. Verify material identification.
- iv. Randomly sample and tension test 3 high strength anchor bolts for conformance with ASTM A354, Grade BD. Test full size samples for ultimate strength and yield strength; do not proof load test. If full size specimens fail yield test; machine samples and retest for yield.
- v. Inspect high-strength bolted connections as required by CBC Section 1701.5, Item 6, for conformance with RCSC Specification.
- vi. Inspect welding as required by CBC Section 1701.5, Item 5, in accordance with AWS D1.1.
- vii. Ultrasonically inspect base metal thicker than 1½ inches for discontinuities behind welds in accordance with CBC Section 1703, Item 3. Inspect column base plates thicker than 1-1/2 inches when column flanges are complete penetration welded to base plates.
- viii. Nondestructive test all complete penetration groove welds larger than 5/16 inches by ultrasonic methods for conformance with the weld quality and standard of acceptance of AWS D1.1, Table 6.2.
- ix. For "Seismic Critical Welds", perform QA inspection tasks in accordance with FEMA-353, Section 6.6 and Table 6-2. Unless otherwise noted on Drawings, use Inspection Category 2.
- x. Use Inspection Category 1 for CJP groove welded column splices.
- xi. Use Inspection Category 3 for fillet welds.
- xii. For "Seismic Critical Welds", nondestructive test in accordance with procedures of FEMA-353, Section 6.7, and the following testing schedule.
- xiii. Complete Penetration Groove Welds: MT test 25% of joints, full length. Test in accordance with provisions of FEMA-353, Section 6.7.1 for conformance with Section 5.8.2. UT test 100% of joints, full length, for conformance with the weld quality and standard of acceptance of AWS D1.1, Table 6.2. Reduce frequency to 25% of joints with low reject rate, subject to approval of District's Representative.
- xiv. Partial Penetration Groove Welds: MT test 25% of joints, full length. Test in accordance with provisions of FEMA-353, Section 6.7.1 for conformance with Section 5.8.2. Reduce testing to 25% of joints, partial length with low reject rate, subject to approval of District's Representative.
- xv. Test weld access holes in accordance with FEMA-353, Section 6.7.4.6.
- xvi. Test column web for cracking above and below continuity plates after welding in accordance with FEMA-353, Section 6.7.4.4. Use dye-penetrant or magnetic particle test.
- xvii. Periodically, inspect and test stud welding as required by CBC Section 1701.5, Item 5, in accordance with AWS D1.1; review pre-production testing and qualification, periodically inspect welding and perform verification inspection and testing.

- xviii. Inspect and test deck welding as required by CBC Section 1701.5, Item 5, in accordance with AWS D1.3. Review materials and qualification of welders and procedures prior to start of work, periodically inspect welding in progress, and perform final visual inspection of all welds.
- xix. Review Buckling Restrained Brace Manufacturer's Quality Assurance Plan, mill certificates and coupon test report.
- xx. Review Buckling Restrained Brace Manufacturer's quality assurance test and inspection reports.
- xxi. Observe Buckling Restrained Brace fabrication and assembly as requested by University's Representative's representative.

d. Drilled Dowels and Anchors

- i. Review manufacturer's and ICC recommended installation and inspection procedures.
- ii. Special Inspect installation for conformance with Contract Documents, manufacturer's recommendations, and requirements of applicable ICC Evaluation Report.
- iii. Proof test dowels and threaded anchors to tension loads indicated on Drawings. There shall be no loosening or movement of dowel out of hole and no cracking or spalling of concrete in which dowel or bolt is set.
- iv. Test a minimum of 10 percent of each size dowel.
- v. Test a minimum of 3 of each size dowel.
- vi. Perform tests at different locations and conditions to obtain representative sample.
- vii. Should any dowel or bolt fail, increase testing of similar dowels to 25 percent. If other failures occur, test all similar dowels.

e. Fireproofing

- i. Thickness, density and bond strength testing of cementations fireproofing.
- ii. Intumescent painting mil thickness.

f. Site-work

- i. Testing of soil mix samples.
- ii. Compaction testing of subgrades and utility trenches.

B. Geotechnical Consulting Services

The Consultants who are selected will be required to have available personnel who have been successful in the professional services and activities of geotechnical Consultant services. When and as directed by District, the Consultant shall perform consulting services for various projects to include, but not be limited to, the following:

1. Provide professional geotechnical and soils services including technical assistance in the field, soil compaction tests for public works projects, evaluation of excavation site work, and other soil testing as may be required;
2. Meet with District staff, Bond Program Managers, and other public agencies, and/or private groups or individuals;

3. Provide research of all available geotechnical data at the County of San Diego, City of Chula Vista, and other entities regarding projects outlined in the RFQ No. 124
4. Provide all in-office professional and technical services including laboratory evaluations, preparation of exhibits, maps, and reports;
5. Assist in providing information to the City of Chula Vista and County of San Diego, and other entities; and
6. Provide general geotechnical consulting services to support the efforts of District and Bond Program Managers and Staff.
7. Provide adequate supervision of all work by a registered geo-technical engineer and /or a registered engineering geologist (depending on the work envisioned by the Proposal).
8. Provide inspection and preparation of surfaces to receive compacted fill in accordance with all building departments and any Regulatory Agencies.
9. Be familiar and have experience with relevant Codes and any Regulatory Agency requirements pertaining to the assessment and remediation of geological, soils and seismic conditions relevant to determining the suitability for acquisition and or development of schools or other District facility needs in California.
10. Provide supervision and certification of the placement and compaction of fill, including all required testing and reports.
11. Conduct all associated soils, geological, seismic, and geo-technical testing and experience and expertise respecting all of the foregoing.
12. Prepare reports pertaining to the above scope of work, which reports shall include recommendations and cost estimates as appropriate.
13. Provide groundwater monitoring and reporting to appropriate agencies.

Bond Project and Phasing Schedule as of 8/9/2010**Phase I from 2009 to 2014**

- 1 National City New Two- Story Facility (classrooms & labs)
- 2 Corner Parcel Development
- 3 Remodel of Cafeteria Building 610
- 4 Central Power Plant
- 5 Replacement of DeVore Stadium Field House, Classrooms, Team Rooms
Shower & Locker Rooms, Faculty Offices, Weight & Fitness Room
- 6 Energy Efficient Project upgrades, Building Controls, Lighting
- 7 Updated Security, Fire Alarms and Technology
- 8 Phase 1 - Equipment for Renovated and Remodeled Buildings
- 9 Synthetic Turf Football Stadium, Soccer, Softball and Practice Fields
- 10 PV / Solar projects
- 11 Mayan Hall (Theater) Renovation and ADA Access
- 12 Landscaping and Entry Construction
- 13 Remodel of 100 Buildings and Classrooms
- 14 Remodel of 210 Building

Phase II from 2014 to 2019

- 1 Faculty Resource Center
- 2 New Science Building
- 3 Remodel of 330/310, Chemistry and Life Science Laboratories Classrooms
- 4 New Higher Education Center Eastern Chula Vista
- 5 Replacement of Swimming Pools
- 6 Remodel Gymnasium & Building 1000
- 7 Remodel of 220, 300, 320, 340, 381 and 382 Buildings
- 8 San Ysidro Construction of a Parking Structure
- 9 Phase 2 - Equipment for Renovated and Remodeled Buildings

Phase III from 2019 to 2024

- 1 Remodel of Classroom Buildings (630 & 710)
- 2 New Higher Education Center Western Chula Vista
- 3 Construct Maintenance and Operations Buildings
- 4 Construct New Horticulture Classroom Building
- 5 Replacement track and synthetic turf, team rooms and training course
- 6 Tennis Courts and Lighting
- 7 Phase 3 - Equipment for Renovated and Remodeled Buildings
- 8 Utility Replacement/Upgrade (District-wide)

Phase IV from 2024 to 2029

- 1 Overall Phase 3 Demolition; Remove Building 640, 650, 660, 1020, all
1600 buildings, 1700/1710, 1730, 1735 & pools
- 2 Replacement of Roofing, HVAC, Electrical Systems, Plumbing and
Flooring for Buildings District-wide
- 3 Phase 4 - Equipment for Renovated and Remodeled Buildings

Phase V from 2029 to 2034

- 1 Otay Mesa Phase II Classrooms and Labs
- 2 Replacement of Roofing, HVAC, Electrical Systems, Plumbing
and Flooring for Buildings District-wide