

**REQUEST FOR QUOTE (RFQ)
#FCARC-00071**

San Sevaine Channel Stage 3 – Channel Repair



By:
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Riverside County Flood Control & Water Conservation District
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NIGP Code: 91300

**NOTE: BIDDERS ARE RESPONSIBLE TO READ ALL INFORMATION THAT IS
STATED IN THIS REQUEST FOR PROPOSAL AND PROVIDE A RESPONSE AS
REQUIRED**

INSTRUCTIONS TO BIDDERS

- I. Pre-Qualification - Unless stated elsewhere in this document, vendor must register on-line at www.co.riverside.ca.us with all Vendor Information, to be qualified.
- II. Prices/Notations - All prices/notations must be typewritten or written in ink. No erasures permitted. Mistakes shall be crossed out, corrections made adjacent and initialed by person signing document. Each item shall be bid separately.
- III. Format - Use the documents provided. If you decide to submit more than one bid, photocopy our documents.
- IV. Pricing/Terms/Tax - All pricing shall be quoted both F.O.B. shipping point and F.O.B. destination, (e.g., cash terms less than 20 days should be considered net) excluding applicable tax. The District pays California Sales Tax and is exempt from Federal excise tax. In the event of an extension error, the unit price shall prevail.
- V. Other Terms and Conditions - The terms and conditions as indicated in this document and/or attached are hereby included with full force and like effect as if set forth herein. Copies of the applicable Terms and Conditions may be obtained by contacting Riverside County GSA/Purchasing at the number shown above and requesting a copy is faxed or mailed to you.
- VI. Period of Firm Pricing - Unless stated otherwise elsewhere in this document, prices shall be firm for 45 days after the closing date.
- V. Method of Award - The District reserves the right to reject any or all offers, to waive any discrepancy or technicality and to split or make the award in any manner determined by the District to be most advantageous to the District. The District recognizes that prices are only one of several criteria to be used in judging an offer and the District is not legally bound to accept the lowest offer.
- VI. Closing Date/Return To - The bid response shall be delivered to the address above by 1:30 p.m. on the closing date listed above. The closing date and time and the RFQ/RFP number referenced above shall appear on the outside of the sealed envelope. Bid responses not received by Purchasing by the date and time indicated above will not be accepted. The District will not be responsible for and will **not** accept late bids due to delayed mail delivery.

IF CHECKED, THE FOLLOWING DOCUMENTS HEREBY MADE PART OF THIS RFQ

- | | | | |
|---|--|---|--|
| <input type="checkbox"/> APPENDIX "A" | <input checked="" type="checkbox"/> PLANS/DRAWINGS | <input type="checkbox"/> SAMPLES | <input checked="" type="checkbox"/> EXHIBITS |
| <input type="checkbox"/> #116-110 Special Conditions/Response | | <input type="checkbox"/> #116-130 Equipment Information Sheet | |
| <input checked="" type="checkbox"/> #116-260 Local Business Qualification Affidavit | | <input type="checkbox"/> #116-310 Boilerplate Contract | |

**IF CHECKED, THE FOLLOWING GENERAL CONDITIONS ARE INCLUDED WITH FULL FORCE
AND LIKE EFFECT AS IF SET FORTH HEREIN**

- | | |
|--|--|
| <input type="checkbox"/> #116-200 General Conditions | <input type="checkbox"/> #116-210 General Conditions Materials and/or Services |
| <input type="checkbox"/> #116-230 General Conditions - Equipment | <input checked="" type="checkbox"/> #116-220 General Conditions - Public Works |
| <input type="checkbox"/> #116-240 General Conditions - Personal/Professional Service | |

To access any of these General Conditions go to www.purchasing.co.riverside.ca.us, located in Vendor Registration/Bidding Opportunities.

If an addendum is issued for this procurement, it will be the vendor's responsibility to retrieve all applicable addendum(s) from the Public Purchase website.

1. **LIQUIDATED DAMAGES:** It is agreed by the parties to the contract that time is of the essence and in the event complete delivery is not made within the time or times set forth pursuant to this specification, damage will be sustained by the District and that it is and will be impractical and extremely difficult to ascertain and determine the actual damage which the District will sustain in the event of and by reason of such delay. Therefore, it is agreed the successful bidder shall pay to the District, as fixed and liquidated damages, and not as penalty, a dollar sum in the amount of \$600.00 per calendar day for each and every calendar days delay in making delivery in excess of the time or times specified. It is further agreed that in the event such damages are sustained by the District, the District shall deduct the amount thereof from any moneys due or that may become due the vendor under the contract.

2. **BIDDER'S CONFERENCE:** A **MANDATORY** bidder's conference shall be held at the San Sevaine Channel, project site on **Monday, January 7, 2013 at 10:00 AM**. Thomas Guide page 684 1A.

Bids from those not in attendances at a Mandatory conference will be rejected by the District. No exceptions.

3. **CONTRACTOR LICENSE TYPE REQUIRED:** A

4. **TIMELINE:**

- | | |
|--|---|
| 1. RELEASE OF REQUEST FOR QUOTATION | Thursday, December 20, 2012 |
| 2. MANDATORY SITE VISIT | Monday, January 7, 2013 @ 10:00AM |
| 2. DEADLINE FOR SUBMISSION OF QUESTIONS
Email all questions to: annieortega@rcflood.org , in the
memo refer to: RFQ FCARC-00071 / QUESTIONS | Tuesday, January 8, 2013 @ 1:30PM |
| 3. DEADLINE FOR QUOTATION SUBMITTAL
Bid results are posted on www.rcflood.org | Thursday, January 10, 2012 @ 1:30PM |
| 4. TENTATIVE DATE FOR AWARDDING CONTRACT | Approximately 5-90 days after the RFQ
closes, contingent upon lowest bidder meeting
all the bid specifications. The District will
contact all Bidders. |

PROJECT

SCOPE OF WORK

SAN SEVAINE CHANNEL STAGE 3 –CHANNEL REPAIR

The Riverside County Flood Control and Water Conservation District is requesting a quote for the repairs of our San Sevaire Channel located at Bellgrave Avenue, just west of Van Buren Boulevard.

The repair efforts include removing and disposing of the existing damaged unreinforced concrete channel, re-establishing sub-base grades, constructing new concrete panels to the limits and dimensions shown on the attached plan, and backfilling the voids behind the transitions structure using CLSM. The following items shall be considered by the contractor:

Clearing & Miscellaneous Work

All objectionable materials shall be removed and disposed of outside of the limits of the construction easements and permanent rights of way. These materials include, but are not limited to vegetation, roots, stumps, pipes, rocks, debris, trash, and concrete.

Earthwork & Concrete Construction

All work shall conform to the California State Standard Specifications as well as the Standard Specifications for Public Works Construction. Limits and dimensions of construction are shown on the plans.

SPECIAL PROVISIONS SECTION 1 - GENERAL

1.1 Plans and Specifications - References made to the "Standard Specifications" refer to the "Greenbook" Standard Specifications for Public Works Construction, current edition, including supplements. Standard Specifications of the American Society for Testing and Materials shall be designated by ASTM and the appropriate number of the standard. Unless otherwise specified, wherever the words "State Standard Specifications" are used in these Special Provisions or Detailed Specifications they shall mean the Standard Specifications of the State of California, Department of Transportation, current edition.

In the event that discrepancies are encountered, the option that provides the method, item or material with the greatest strength or utility shall be chosen, as directed by the Engineer.

Requirements on the construction plans for Portland Cement Concrete are modified to the PCC Class designations, as described in Section 90-1.01 of the 2006 State Standard Specifications, as follows:

Class "A" shall mean Class "2"

In case of conflict between the drawings and the specifications, the drawings shall govern; in case of conflict between the referenced specifications and these specifications, the latter shall govern.

SECTION 2 - SPECIAL REQUIREMENTS

2.1 National Pollutant Discharge Elimination System (NPDES) – The contractor shall implement the following District minimum BMP's:

BMP Name	CASQA BMPs	CALTRANS BMPs
Erosion Controls		
• Scheduling	EC-1	SS-1
Sediment Controls		
• Fiber Rolls	SE-5	SC-5
Tracking Controls		
• Stabilized Construction Entrance/Exit including steel plate with ribs	TC-1	TC-1
Wind Erosion Controls		
• Wind Erosion Control	WE-1	WE-1
Pollution Prevention		
• Spill prevention, Control and Cleanup	WM-4	WM-4
Waste Management		
• Waste Handling and Disposal	WM-5, WM-6	WM-5, WM-6

SS-1 - Scheduling

The Contractor shall provide a schedule that includes the sequencing of construction activities and the implementation of BMPs prior to the project commencement. This procedure reduces the erosion of soil especially when construction activities are taking place within the rainy season. When rainfall is predicted, the schedule shall be adjusted to allow for the implementation of soil stabilization and sediment controls on any disturbed areas prior to the rain event.

TC-1 Stabilized Construction Entrance/Exit

Temporary construction entrances/exits will be installed to shake soil particles from construction equipment and vehicles, to prevent tracking. Construction activity traffic to and from the project site will limited to these stabilized construction entrances/exits.

WE-1 Wind Erosion Control

Wind erosion controls will be applied as necessary to prevent nuisance dust. Water will be applied to disturbed areas and stockpiles as necessary to prevent or alleviate erosion by the forces of wind. Water should be applied by means of pressure-type distributors or pipelines equipped with a spray system or hose and nozzle that will ensure even distribution.

WM-4 - Spill Prevention and Control

The Contractor will assign and train appropriate spill response personnel on the clean-up procedures. Oil, grease, and fuel will be prevented from leaking to the ground, storm drains or surface waters. All spills and leaks will be reported, contained and cleaned up immediately. All spill and leak wastes will be properly disposed of. The Project Manager and the Engineering Project Manager will be immediately notified of any spills and leaks. Spill and leak clean-up materials will be located near storage, unloading and use areas. In the event of a spill, all material will be cleaned and disposed of in a proper legal manner.

WM-5 - Solid Waste Management

Solid waste will be loaded directly into trucks and/or waste disposal containers for off-site disposal. Waste disposal containers will be covered at the end of every work day and during rain events. The contents of waste disposal containers will be prevented from discharging to the stormwater drainage system or receiving water. Construction debris and litter from the project will be removed by the end of the project. Collected litter and debris will not be placed by drain inlets or drainage systems.

WM-6 - Hazardous Waste Management

If hazardous materials are encountered or used, such materials will be handled, treated, stored, and disposed of per the project's Special Provisions and all applicable laws and regulations. Hazardous spills will be reported, contained and cleaned up immediately.

This project falls under Low Priority since the area disturbed is less than 1 acre. Inspection frequency of the BMP features will occur as needed.

2.2 Toxic Material Disposal - Toxic materials including oil, fuel oil, gasoline, coolant, fluid filters and other contaminants shall not be discharged within the project site. All such materials shall be transported offsite and disposed of at a County approved facility.

SECTION 3 - WATER CONTROL

3.1 Description - Watersheds and/or urban runoff areas are tributary to the project site at various locations, but do not necessarily follow the alignment of the project under current conditions. Surface water in varying quantities can be expected at any time of the year, and substantial runoff can be expected during periods of rainfall. Contractor shall make their own determination regarding what the surface condition will be at the time of construction, and their impact on the operations and construction phasing.

SECTION 4 - CLEARING AND MISCELLANEOUS WORK

4.1 Description - All objectionable materials shall be removed and disposed of outside of the limits of the construction easements and permanent rights of way.

4.2 Clearing and Miscellaneous Work - This work includes the removal and disposal of all vegetation, trees, roots, stumps, fences, pipes, all abandoned facilities, culverts, rocks, structures and concrete.

SECTION 5 - EARTHWORK

5.1 Description - This section covers Excavation; Backfill; Controlled Low Strength Material (CLSM); and Filter Material.

5.2 General Excavation Requirements - Excavation shall be in conformance with Section 300-3 of the Standard Specifications.

In excavating for surfaces against which concrete is to be placed, care shall be exercised in removing the final lift. Upon completion of excavation for structures, surfaces against which concrete is to be placed shall be free of debris, mud or ponded water.

The foundation for concrete sideslopes shall be compacted to ninety percent (90%) relative compaction prior to the placement of concrete.

Material which will not provide a suitable foundation shall be removed and replaced with compacted select material.

Any overexcavation shall be filled with select material compacted to ninety percent (90%) relative compaction and meeting the material requirements for backfill.

The Contractor shall remove slides and materials eroding into the work, and the slopes and grades refinished to original grades as specified.

5.3 General Backfill Requirements - Whenever fill is specified or required the work shall be performed as set forth in Sections 300-4.1 to 300-4.8 of the Standard Specifications.

No backfill materials shall be placed against the outside walls of cast-in-place concrete structures until the concrete has developed eighty percent (80%) of its design strength. No fill or traffic will be permitted on the top of any cast-in-place concrete structure until the concrete in the structure has attained its design strength.

Densification of backfill will be accomplished by mechanical methods only as described below.

Mechanical Compaction - Backfill shall be mechanically compacted by means of tamping rollers or other mechanical tampers. Impact-type pavement breakers (stompers) will not be permitted unless otherwise approved by the Engineer.

Water densification by jetting will not be allowed.

Approval to use specific methods and compaction equipment shall not be construed as guaranteeing or implying that the use of such methods and equipment will not result in damage to adjacent ground, existing improvements or improvements installed under the contract, nor shall it be construed as guaranteeing proper compaction. The Contractor shall make his own determination in this regard.

All backfill and bedding around structures and pipe shall be compacted to not less than ninety percent (90%) relative compaction.

5.4 Controlled Low Strength Material (CLSM) – Controlled Low Strength Material (CLSM) shall be used for backfill of the void area shown on the plan and shall consist of Portland Cement, Aggregate, Water and Fly Ash.

CLSM shall be in conformance with Section 201-6 of the Standard Specifications.

CLSM shall be hand excavatable, a minimum of one (1) sacks of cement shall be used for each cubic yard of CLSM produced.

CLSM shall have a 28-day compressive strength between 100 to 200 psi.

5.5 Filter Material - The Contractor should note that the placing of filter material will be determined from field conditions as directed by the Engineer.

The materials for filter material shall conform to Sections 90-2.02 and 90-3.01 of the State Standard Specifications. Grading shall meet the requirements for 1" x No. 4 coarse aggregate as per Section 90-3.02 of the State Standard Specifications.

SECTION 6 - CONCRETE CONSTRUCTION

6.1 General Requirements - Concrete for all purposes shall be composed of Portland Cement, aggregates and water of the quantities and qualities herein specified, and in the required proportions. The ingredients are to be well mixed and brought to the proper consistency and to have a compressive strength at the age of 28 days of not less than the amount shown in the following tabulation for each type of work listed:

CONCRETE CLASS	MINIMUM SACKS CEMENT/C.Y.	TYPE OF WORK	POUNDS PER SQUARE INCH
A	6	CHANNEL SIDE SLOPES	350
E	1	CONTROLLED LOW	100-200 Max.

STRENGTH MATERIAL
(CLSM)

6.2 Material and Methods - All concrete materials, methods, forms and proportioning shall conform to Sections 51 and 90 of the State Standard Specifications. Combined aggregate grading for all concrete shall be in conformance with Section 90-3.04 of the State Standard Specifications and the following tabulation for each type of work listed:

<u>TYPE OF WORK</u>	<u>COMBINED AGGREGATE GRADING</u>
CHANNEL SIDE SLOPES	1" Maximum
CONTROLLED LOW STRENGTH MATERIAL (CLSM)	3/8" Maximum

Fly Ash, Class F may be substituted for cement, up to a maximum of 15 percent by weight for all concrete. Fly Ash shall meet the standards of ASTM Designation: C-618. Water reducing agents meeting ASTM Designation: C-494 will be permitted in amounts recommended by the supplier and approved by the Engineer in writing.

No other admixture shall be used in any class of concrete without written permission from the Engineer.

Supplementing Section 90-1.01 of the State Standard Specifications, prior to placement of any concrete the Contractor shall submit mix designs, for all types of concrete to be placed, to the Engineer for approval. Supplementing Section 90-6.03 of the State Standard Specifications, concrete delivered to the job site shall be accompanied by a ticket containing the weight of each of the individual ingredients in the mix.

6.3 General Reinforcing Steel Requirements - Reinforcing steel for all reinforced concrete structures shall be Grade 60 Low-Alloy or Grade 60 Billet-Steel. Cleaning, bending, placing and spacing of reinforcement shall conform to the applicable provisions of Section 52 of the State Standard Specifications and to the drawings. The Contractor shall furnish a "Certificate of Compliance" with the specification of ASTM Designation: A-706/A or A-615/A.

6.4 Consistency - The consistency of the concrete shall be such as to allow it to be worked into place without segregation. Unless otherwise specified, the slump shall be 3 inches plus or minus 1 inch for all concrete.

Controlled Low Strength Material (CLSM) flow characteristics shall be determined by the producer to meet job site conditions and shall be approved by the Engineer.

The slump test shall be performed in accordance with the requirements of ASTM Designation: C-143. Slumps greater than those specified may be cause for rejection of the concrete by the Engineer.

6.5 Placing - Supplementing Section 51-1.09 of the State Standard Specifications, concrete shall not be placed except in the presence of the Engineer. The Contractor shall give reasonable notice to the Engineer each time he intends to place concrete. Such notice shall be far enough in advance to give the Engineer adequate time to inspect the subgrade, forms, steel reinforcement and other preparations for compliance with the specifications before concrete is delivered for placing.

Formed concrete shall be placed in horizontal layers in lifts of not more than 20 inches. Hoppers and chutes, pipes and "elephant trunks" shall be used as necessary to prevent segregation of the concrete.

6.6 Form Removal and Finish - Forms shall be removed in such a way as to prevent damage to the concrete. Supports shall be removed in a manner that will permit the concrete to take stresses due to its own weight uniformly.

Forms shall not be removed sooner than the following minimum time or strength after the concrete is placed. These times represent cumulative number of days and fractions of days, not necessarily consecutive, during which the temperature of the air adjacent to the concrete is above 50 degrees Fahrenheit. If the temperature falls below 50 degrees Fahrenheit at any time after the concrete is placed in the forms, the Engineer will advise the Contractor of additional time required before forms can be removed.

<u>Element</u>	<u>Strength or Time</u>
All structures	16 hours

The finish on all exposed formed surfaces shall conform to Section 51-1.18B Class 1 Surface Finish of the State Standard Specifications. A tight wood float finish will be required on the surface and excessive surface working will not be permitted. The exposed concrete surfaces shall be broomed in a transverse direction with a fine textured hair push broom to produce a uniform surface and eliminate float marks. Brooming shall be done when the surface is sufficiently set to prevent deep scarring. If directed by the Engineer, a fine spray of water shall be applied to the surface immediately in advance of brooming.

Exposed corners of all concrete structures shall be finished with a 3/4" chamfer.

6.7 Curing - All concrete shall be prevented from drying for a curing period of at least seven (7) days after it is placed. Surfaces exposed to air during the curing process shall be kept continuously moist for the entire period or until curing compound is applied.

Formed surfaces shall be thoroughly wetted immediately after forms are removed and shall be kept wet until patching and repairs are completed. Water or covering shall be applied in such a way that the concrete surface is not eroded or otherwise damaged. Water for curing shall be clean and free from any substances that will cause discoloration of the concrete.

Concrete may be coated with curing compound in lieu of the continued application of moisture. The curing compound shall comply with the requirements of Section 90-7.01B of the State Standard Specifications. The curing compound shall be No. 5 White Pigmented Curing Compound conforming to the requirements of ASTM Designation: C-309, Type 2, Class B for all concrete surfaces other than for flatwork which shall be coated with a clear or translucent curing compound containing a red fugitive dye.

The curing compound shall be sprayed on the moist concrete surfaces as soon as free water has disappeared, but shall not be applied to any surface until patching, repairs and finishing of that surface are completed. The curing compound shall be thoroughly mixed immediately before applying, and shall be applied at a uniform rate of not less than one gallon per 150 square feet of surface.

6.8 Joints - Joints shall be made at the locations shown on the drawings, or as approved by the Engineer.

The Contractor shall construct, in one continuous concrete placing operation, all work comprised between such joints. Joints shall be kept moist until adjacent concrete is placed.

Surfaces of construction joints shall be cleaned as set forth in Section 51-1.13 of the State Standard Specifications.

SECTION 7 - DUST ABATEMENT

7.1 Description - This section covers the implementation of dust control measures necessary to prevent harm and nuisance from dust. Supplementing Section 8.06 of the General Provisions, the Contractor shall comply with all the provisions of the South Coast Air Quality Management District (SCAQMD) Rule 403 as described in Appendix "A".

7.2 Dust Abatement - The contract item Dust Abatement includes the action necessary to prevent, reduce or control dust within the work area as required to complete the work. The Contractor shall carry out proper and efficient measures to prevent his operations from producing dust in amounts damaging to property or causing a nuisance, or harm to persons living nearby or occupying buildings in the vicinity of the work. The methods to be used for controlling dust in the construction area and along haul roads shall be approved by the Engineer prior to starting any work included in this contract. The Rule 403 Implementation Handbook published by the SCAQMD contains a detailed listing of reasonably available dust control measures and is available for inspection at the District office.

COST SUMMARY

(ITEM)	(DETAIL)	(DOLLAR AMOUNT)
LABOR		\$ _____
MATERIALS		\$ _____
ALL OTHERS		\$ _____

BID - The undersigned proposes to perform all work of said project for the lump sum of \$_____. Sum quoted includes sales taxes and insurance costs, if any, and all other costs incidental to the resultant contract.

Please include with your estimates a schedule of proposed activities as well as cost breakdown for each activity.

EXECUTION HEREON IS CERTIFICATION THAT THE UNDERSIGNED HAS READ AND UNDERSTOOD THE CONDITION ABOVE AND ON THE ATTACHED GENERAL CONDITIONS AND THAT THE UNDERSIGNED=S PRINCIPAL IS FULLY BOUND AND COMMITTED.

Prior to issuance of an order, a Certificate of Liability Insurance must be on file with the District Purchasing Office. Bidder agrees to commence work within 10 calendar days after receipt of purchase order and will complete work within 15 working days thereafter.

Contractor=s License No.: _____ Expiration Date: _____ Type(s): _____
Company: _____ Phone: _____ Fax #: _____
Address: _____ City: _____ State: _____ Zip: _____

I hereby swear under penalty that the information provided is true and correct.

Signed by: _____ Date: _____

Title: _____ We are a : ___ Minority owned, ___ Women Owned, ___ Small Business