

AGENDA

**ENGINEERING COMMITTEE MEETING
LEUCADIA WASTEWATER DISTRICT**

Wednesday, September 3, 2014 – 1:30 p.m.
1960 La Costa Avenue, Carlsbad, CA 92009

1. Call to Order

2. Roll Call

3. Public Comment

4. New Business

- A. Authorize the General Manager to execute an Agreement with Burtech Pipeline, Incorporated for the construction of the Batiquitos (B1/B2) Force Mains Replacement Project in an amount not to exceed \$4,590,000 as the lowest responsive and responsible bidder. (Pages 2 - 7)
- B. Authorize the General Manager to execute Amendment No. 2 to Task Order No. 18 with Infrastructure Engineering Corporation for additional design and environmental review services for the Batiquitos (B1/B2) Force Mains Replacement Project in an amount not to exceed \$88,739. (Pages 8 - 14)
- C. Authorize the General Manager to execute an Agreement with Richard Stinson Construction Management for construction management services during the construction of the Batiquitos (B1/B2) Force Mains Replacement Project in an amount not to exceed \$110,000. (Pages 15 - 16)
- D. Authorize the General Manager to execute an Agreement with Southern California Soils and Testing, Incorporated for geotechnical services during the construction of the Batiquitos (B1/B2) Force Mains Replacement Project in an amount not to exceed \$49,555. (Pages 17 - 22)

5. Information Items

- A. Recycled Water Pipeline Repair Project status. (verbal)
- B. 2903 Candil Place Spill Report. (verbal)
- C. Computerized Maintenance Management System (CMMS) presentation. (verbal)

6. Director's Comments

7. General Manager's Comments

8. Adjournment

MEMORANDUM

Ref: 15-4207

DATE: August 28, 2014
 TO: Engineering Committee
 FROM: Paul J. Bushee, General Manager *Paul J. Bushee*
 SUBJECT: Award of the District's Batiquitos (B1/B2) Force Mains Replacement Project Construction Contract

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute an Agreement with Burtech Pipeline Incorporated for the construction of the Batiquitos (B1/B2) Forced Mains Replacement Project in an amount not to exceed \$4,590,000 as the lowest responsive and responsible bidder.
2. Discuss and take other action as appropriate.

DISCUSSION:

The Batiquitos (B1/B2) Force Mains Replacement Project is included as a goal in the Fiscal Year 2015 Tactics and Action Plan.



In July 2014, the Board of Directors adopted the Mitigated Negative Declaration (MND) and Mitigation, Monitoring and Reporting Program (MMRP) for the Batiquitos (B1/B2) Force Mains Replacement Project. Additionally, the Board authorized Staff to proceed with Project Alignment C using the abandoned portion of southbound Carlsbad Boulevard (pictured to the left), for the installation of the replacement B1 and B2 Force Mains. With the adoption of the MND and approval of the project alignment, Infrastructure Engineering Corporation (IEC) completed project design in July. Subsequently, the project was advertised for bids on July 28th with bids due on August 26, 2014. Four bids were received in response to the solicitation with the following results:

<u>Construction Firm</u>	<u>Bid Submitted</u>
Burtech Pipeline Incorporated	\$ 4,590,000.00
SC Valley Engineering	\$ 4,954,000.00
Charles King Company	\$ 5,160,930.00
GRFCO Incorporated	\$ 6,243,250.00

The bids were reviewed by Robert Weber and Jamie Taylor at IEC. Upon completion of IEC's review, it was recommended that Burtech Pipeline, Incorporated (Burtech) be awarded the contract as the lowest responsive and responsible bidder, see letter attached.

The District has received a Bid Protest from SC Valley Engineering, the second lowest bidder, on August 28th. Staff is evaluating the protest and will discuss this matter at the meeting.

The bid price of \$4,590,000 is approximately \$890,000 or 16% less than the \$5,480,200 estimated construction cost. Therefore, Staff recommends that the Board award the contract to Burtech as the lowest responsive and responsible bidder.

FISCAL IMPACT:

There is sufficient appropriation in the Fiscal Year 2015 Budget to cover the construction costs of the project.

rym:PJB

Attachment



BID REVIEW MEMORANDUM

Date: August 28, 2014

Subject: Batiquitos (B2/B1) Force Main Replacement Project

Prepared By: Jamie Fagnant, P.E. *JLF*

Reviewed By: Rob Weber, P.E. *RW*

PURPOSE

This memorandum provides a summary of our evaluation of bid results and the responsiveness of the low bid for the subject project.

BID RESULTS

Bids were opened on August 26, 2014 and four bids were received. The bids are summarized on Table 1 - Bid Summary (see attached) and characteristics of the bids are as follows:

Low Bid:	\$4,590,000
Average Bid:	\$5,237,045
High Bid:	\$6,243,250
Engineer's Estimate:	\$5,480,200

REVIEW OF LOW BIDDER

Burtech Pipeline, Inc. (Burtech or Contractor), Encinitas, California submitted the apparent low bid. IEC has determined Burtech to be responsive to the bid requirements and recommends that the District award the project to Burtech. The following reviews have been completed:

Contractor's License: The Contractor holds the required Class A License (No. 718202). The license is current and active.

Bid Bond: A bid bond in the amount of ten percent (10%) of the bid amount was submitted with North American Specialty Insurance Company as surety. This surety company has a rating of A+15 with Best's Key Rating Guide.

Signatures: The Contractor's President and CEO, Dominic J. Burtech and Executive Vice-President and Secretary, Julie J. Burtech signed the Closing Statement. Dominic Burtech signed the Bidder's Bond, Non Collusion Affidavit, and the Local Preference Certification.

Addenda Acknowledged: Both Addenda, 1 and 2 were acknowledged by fax to Jamie Fagnant prior to 5PM on August 25, 2014 as required in the Addenda.

Project Manager's Experience: The Contractor has identified Adam Vandervort as the project manager in a follow up e-mail sent to IEC on Wednesday, August 27, 2014. Adam was the Project Manager for the three main project references that Burtech submitted as experience references, all of which included large diameter pipeline installation.

Approach to Work: The Contractor addressed the anticipated project issues as required in the Approach to Work and Safety Policies section of the Bid Documents as outlined below:



- Staging: Burtech proposes to use the existing abandoned southbound lanes of Carlsbad Boulevard for staging.

Worker's Compensation Insurance: Policy is in effect through September 2014. The most recent workers' compensation experience modification factor for Burtech is 1.12.

Experience Requirements: The bid documents require the Contractor to submit three project references on projects with construction of 2,000 feet or greater of PVC pipeline of a diameter of 14" or greater, installation of at least 300 feet of 18" or greater cured-in-place pipe lining (CIPPL), and sewer bypassing of 1 MGD or greater completed without a sewer spill. Burtech submitted the required experience as requested. IEC contacted Burtech to clarify experience requirements for the following items:

- Bypass pumping. The bypass pumping submitted by Burtech was a 10MGD bypass on the North Harbor Drive Trunk Sewer Project for the City of San Diego. IEC contacted Clem Wassenberg at the City of San Diego for a reference, and made specific inquiries into the bypassing. Burtech self performed the installation of the bypass and the pumping was performed by Godwin pumps under a subcontract. The bypass for the Lanikai Trunk Sewer Lining involves set up only as the bypass runs off the pressure from Batiqitos Pump Station. IEC recommends the District accept this experience as sufficient.
- CIPPL. CIPPL experience was also covered by the North Harbor Drive Trunk Sewer Project. The City and Burtech confirmed that the CIPP on the project was installed by Insituform, a lining subcontractor. However, Burtech indicated they intend to self-perform the lining work on the Batiqitos Force Main Project. IEC requested additional experience information with Burtech as the CIPP installer. In addition to the recent CIPP experience from Burtech, IEC learned that Burtech had recently hired a number of employees from RePipe, a lining specialty subcontractor, and those employees had specific experience installing large diameter CIPPL while still at RePipe. Burtech submitted the experience the employees had with large diameter pipe while at RePipe. Base on review of these qualifications, IEC recommends the District accept this experience as sufficient.

Subconsultants: The bid documents require the Contractor to submit their proposed subcontractors where the subcontractor's work exceeds one half of one percent (0.5%) of the Contractor's total bid. IEC contacted Burtech to confirm no additional subcontractors exceeding this amount were intended to be used. Burtech submitted additional subcontractor's intended for use on the Batiqitos Force Main Project. The proposed fees of the additional subcontractors were all less than one half of one percent.

References: IEC contacted Burtech's listed references to perform an assessment of the Contractor's prior work. In all cases, Burtech was recommended as a good Contractor with no record of claims. The clients would consider awarding another Contract to Burtech.

Bid Item Review: Bid item amounts generally correlate with the Engineer's Estimate and the total bid is within 7.9% of the Engineer's Estimate before contingency.



RECOMMENDATION

IEC recommends award of the contract to Burtech Pipeline Inc. based on their knowledge and experience record and responsiveness to the bidding requirements.

Attachments

Table 1 – Bid Summary

Table 1 - Bid Summary
 Leucadia Wastewater District
 Batiquitos (B1/B2) Sewer Force Mains Replacement Project

Item	Description	Unit	Qty.	Engineer's Estimate	Burtech	SC Valley Engineering Inc.	Charles King Company, Inc.	GRFCO, INC		
1	Mobilization, Insurance, Bonds, Permits, Cleanup and Demobilization	LS	1	\$234,000	\$120,000	\$250,000	\$125,750	\$50,000		
2	Storm Water Pollution Prevention Plan (SWPPP) and Compliance with NPDES	LS	1	\$60,000	\$29,450	\$75,000	\$31,500	\$25,000		
3	Sheeting, Shoring, and Bracing	LS	1	\$100,000	\$100,000	\$100,000	\$104,000	\$1,300,000		
4	24" B2 Sewer Force Main and 14" B1 Secondary Effluent Force Main	LF	8530	\$4,274,000	\$3,710,550	\$3,821,440	\$4,572,080	\$4,478,250		
5	Dewater 24" Sewer Force Main	LS	1	\$5,000	\$100,000	\$55,000	\$21,400	\$50,000		
6	Dewater 14" Secondary Effluent Force Main	LS	1	\$14,000	\$75,000	\$35,000	\$12,400	\$50,000		
7	Traffic Control	LS	1	\$70,000	\$80,000	\$200,000	\$29,400	\$50,000		
8	Pothole Utilities	LS	1	\$60,000	\$60,000	\$85,000	\$24,500	\$25,000		
9	Sewer Bypassing - B2 to B1	LS	1	\$60,000	\$105,000	\$115,000	\$63,000	\$75,000		
10	Sewer Bypassing - Trucked Bypass	LS	1	\$30,000	\$45,000	\$25,000	\$15,700	\$50,000		
11	Cured-in-Place Pipe Lining	LS	1	\$63,000	\$85,000	\$74,000	\$61,700	\$50,000		
12	Construct New 5-FT Diameter PVC Lined Sewer Manhole	LS	1	\$12,000	\$40,000	\$26,000	\$28,500	\$15,000		
13	B1 Secondary Effluent Force Main Southern Connection	LS	1	N/A	\$40,000	\$92,560	\$71,000	\$25,000		
				Total:	\$4,982,000	\$4,590,000	\$4,954,000	\$5,160,930	\$6,243,250	
				Check Total:		\$4,590,000	\$4,954,000	\$5,160,930	\$6,243,250	
				Amount in Words:		\$4,590,000	\$4,954,000	\$5,160,930	\$6,243,250	
<table border="1"> <tr> <td>Engineer's Estimate (with 10% contingency)</td> </tr> <tr> <td>\$5,480,200</td> </tr> </table>				Engineer's Estimate (with 10% contingency)	\$5,480,200					
Engineer's Estimate (with 10% contingency)										
\$5,480,200										

Subconsultants	Sealright Paving Oldcastle Precast	Oldcastle Precast Payco Specialties SRM Contracting Natural Environmental Landmark Consulting McGrath Consulting Sancon Engineering	Sancon Oldcastle Precast Searlight	Sancon Xylem

7

MEMORANDUM

Ref: 15-4208

DATE: August 28, 2014
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: Batiquitos (B1/B2) Force Mains Replacement Project Amendment 2

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute Amendment No. 2 to Task Order No. 18 with Infrastructure Engineering Corporation for additional design and environmental review services for the Batiquitos (B1/B2) Forces Main Replacement Project in an amount not to exceed \$88,739.
2. Discuss and take other action as appropriate.

DISCUSSION:

Infrastructure Engineering Corporation (IEC) is under contract to provide engineering design services for the Batiquitos (B1/B2) Force Mains Replacement Project. As the design progressed, the project transformed from a simple force main replacement in the current alignment to a full realignment. Additionally, the change triggered an associated environmental evaluation resulting in a Mitigated Negative Declaration (MND) and a Mitigation, Monitoring and Reporting Program (MMRP) for project construction. During the project transformation, IEC provided additional design services such as:

- Prepared a technical memorandum and attended project meetings to analyze available alternatives for the B2 Sewer Force Main through the Carlsbad Hilton area.
- Coordinated and met with City of Carlsbad staff regarding project alignment and environmental requirements.
- Prepared survey files and realigned approximately 5,700 feet of the current B2 force main replacement alignment.
- Incorporated replacement of the B1 secondary effluent force main into the project.
- Incorporated multiple alignments into the MND and provided additional biological and cultural reconnaissance for these alternative alignments.

Due to the urgency to complete project design in order to commence construction by November 2014 to satisfy the Agreement with Wave Crest Oceanfront, LLC, owners of Hilton Carlsbad Oceanfront Resort & Spa, IEC was asked to provide these services and submit the amendment request at the end of the design phase to fully account for the additional effort and present actual rather than projected costs.

IEC has completed the design phase and has submitted the amendment request, attached. In summary, the Scope of Work for the amendment includes:

Task 1 – Project Management and Administration

Attendance at six additional meetings, including meetings with the Hilton owners, City of Carlsbad, and the District's Engineering Committee and Board of Director's.

Task 3 – Design Survey and Topography

Additional aerial and field design survey of the project area to develop a base map for subsequent realignment design.

Task 4 – Preliminary Design

Prepare an additional technical memorandum discussing alternatives through the Carlsbad Hilton area. This technical memorandum was crafted over the course of three submitted drafts.

Task 5 – Prepare Plans, Specifications and Estimate (PS&E)

The realignment of B2 into southbound Carlsbad Boulevard caused a redesign of approximately 5,700 feet of the existing 90% replace in current alignment project design. Additionally, the redesign included placing the replacement B1 Force Main in a common trench.

Task 7 – MND

Augmented scope of work included preparation of a short technical memorandum discussing the relevance of several statutory and categorical CEQA exemptions. Additionally, the preparation of the Initial Study/Mitigated Negative Declaration (IS/MND) involved expanded effort to add two optional force main project alignments to the original environmental evaluation.

Task 8 – Construction Services Support

Engineering support services during construction include attend pre-construction and progress meetings, review and process submittals and shop drawings, respond to Requests for Information (RFI), design plan revisions when required, and prepare recording drawings upon project completion.

Services described under Tasks 1 through 7 were completed during the design phase. Task 8 adds engineering services to be provided during and after construction.

Staff has evaluated the amendment request and determined that it is fair and reasonable. Therefore, it is recommended that Amendment No. 2 to Task Order No. 18 be executed with IEC for environmental review services for the Batiquitos (B1/B2) Force Mains Replacement Project.

FISCAL IMPACT:

There is sufficient appropriation in the Fiscal Year 2015 Budget to cover the costs of the additional engineering services.

rym:PJB

Attachment

August 14, 2013

Mr. Robin Morishita
Technical Services Manager
Leucadia Wastewater District
1960 La Costa Avenue
Carlsbad, CA 92009

Reference: B2 Force Main Replacement – Engineering Support Services for Hilton Area Alternatives Memorandum, Southbound Lanes Realignment, incorporation of B1 Replacement alongside B2 Replacement Alignment, incorporating multiple alignments into the MND, and Construction Services Support

Dear Mr. Morishita:

It has been our pleasure to assist the District with the B2 Force Main Replacement Project. This letter summarizes the project budget and requests an amendment for additional services necessary to provide the District with engineering support services to prepare a technical memorandum and attend project meetings to analyze available alternatives for the B2 Sewer Force Main through the Carlsbad Hilton area, additional services to prepare survey files and realign approximately 5,700 feet of the current B2 force main replacement alignment, additional services to incorporate replacement of the B1 sewer force main alongside the B2 replacement in a common trench, and additional services to incorporate multiple alignments into the mitigated negative declaration (MND) and provide additional biological and cultural reconnaissance for these alternative alignments. The services requested under this amendment supplement, and do not overlap with, services authorized under the original task order or the existing Amendment 1. As we discussed this spring, we've waited to submit this request until we could fully account for the additional effort, enabling us to present you with actual rather than projected costs.

SCOPE OF SERVICES

The following detailed scope of services describes the specific tasks and deliverables that will be performed.

Task 1 – Project Management and Administration

Additional project management and administration time is included to coordinate with the District and provide status and schedule updates throughout the extended duration of the project. Additional scope is included to attend six meetings: one kickoff meeting with the Hilton owners, two review meetings for the B2 Hilton area technical memorandum, one special engineering committee meeting to brief the engineering committee, one regular engineering committee meeting and one board meeting.

Task 3 – Design Survey and Topography

We will conduct additional aerial and field design survey of the project area in order to develop a base map for subsequent design. The base mapping will be prepared in AutoCAD format at 40 scale. Additional planimetric survey will be performed 500-feet in either direction of the

proposed alignment to provide the Contractor with adequate information from which to complete required traffic control plans.

Task 4 – Preliminary Design

Additional time and expenses are included in this task to prepare an additional technical memorandum discussing alternatives through the Carlsbad Hilton area. This technical memorandum was crafted over the course of three submitted drafts. Substantial scope was added within each draft and final submittal as detailed below:

- First Draft – Included analysis, figures and engineer’s opinion of probable cost for 6 options: cured-in-place pipe lining, pipe bursting, replacement in place, pilot tube microtunneling, horizontal directional drilling and replacement in place.
- Second Draft – Included revisions to information presented in first draft and additional analysis, figures and engineer’s opinion of probable cost of the top three options from the first draft: replacement in place, cured-in-place pipe lining and realignment extended to include replacement of B1, B2 and B3.
- Third and Final Draft – Included revisions to information presented in first and second draft and additional analysis, figures and engineer’s opinion of probable cost of the top three options from the first draft: replacement in place, cured-in-place pipe lining and realignment extended to include replacement of B1 and B2.

Task 5 – Prepare Plans, Specifications and Estimate (PS&E)

The southbound lanes realignment incorporates a redesign of approximately 5,700 feet of the existing 90% design of the B2 Force Main replacement design. Additionally, the proposed redesign will include incorporation of the B1 sewer force main in a common trench. It is anticipated that B1 will be incorporated utilizing the B2 stationing with station offsets provided. IEC will prepare plans, technical specifications, and a cost estimate (P,S,&E) for the work. The plans are expected to contain the following:

- Title sheet w/ General Notes, Legend, Abbreviations (3)
- Plan and Profile (11)
- Civil Details (1)

We anticipate making one review submittals to the District at the 100% completion levels followed by preparation of the final bid-ready set of documents. Specifications and contract documents will be prepared based on the District’s standard front end contract documents.

Task 7 – MND

Our additional/augmented scope of work included preparation of a short technical memorandum discussing the relevance of several statutory and categorical CEQA exemptions to the project and why exemption was unlikely to be defensible. As you know, following delivery of this memorandum, our site-specific biological reconnaissance confirmed that exemption was indeed inappropriate, and we proceeded with preparation of an IS/MND.

Our added scope of work also involved expanded effort relative to the following tasks from our original proposal for IS/MND support, dated January 30, 2014.

- Administrative Draft IS/MND
- Screencheck and Public Review IS/MND
- Consideration of Comments

The matrix below further describes the added deliverable and itemizes the additional activities specific to each existing contract task.

Additional Deliverable: CEQA Exemption Memorandum	Additional Activities and Deliverables
Administrative Draft IS/MND Screencheck and Public Review IS/MND	<p>In response to input from District counsel, prepare technical memorandum evaluating potential to exempt project from CEQA review, and documenting why exemption was unlikely to be defensible, including the following components:</p> <ul style="list-style-type: none"> • Brief description of the project as currently understood, including location, goal/objectives, and project components • Itemized evaluation of the relevance of several statutory and categorical exemptions to the project • Options and recommendations for CEQA review • Include second project alternative (alignment Option B) in IS/MND analysis • Expand vegetation mapping and biological reconnaissance footprint to cover third project alternative (alignment Option C) • Conduct additional cultural resources study for Option C • Incorporate Option C into IS/MND analysis • Reproduce document with numerous large-format color figures (expanded level of effort due to additional project alternatives) • Conduct all project noticing and mailing (slightly expanded level of effort; original budget assumed focused assistance) • Respond to additional level of comment generated by multiple project alternatives
Consideration of Comments	

Task 8 – Construction Services Support

IEC will prepare an agenda for, attend, and prepare meeting minutes for the pre-construction kickoff meeting.

IEC shall attend field meetings during construction to address questions, resolve issues, and review the project progress. Meeting minutes are not included in this scope since IEC assumes the construction manager will record meeting minutes. For the purposes of this proposal, IEC assumes a total of three (3) meetings. If IEC is requested to attend additional meetings, additional fee may be required and a budget amendment requested.

IEC shall receive, log, review, respond, and process contractor submittals the duration of the project. IEC shall review contractor submittals for conformance with the contract documents.

Mr. Robin Morishita
Leucadia Wastewater District
August 14, 2013
Page 4 of 4

Submittals shall be digitized into an electronic PDF format and stored as part of IEC's project documentation. IEC shall maintain a submittal log to track the status on the submittal reviews. The submittal log shall identify each submittal, resubmittal, date received, reviewer's name, date returned to contractor, action required, and other pertinent information. For the purposes of this proposal, IEC assumes a total of twenty-five (25) submittals (including resubmittals). This assumption is based on the expected number of submittals for projects of similar scope and magnitude. Shall additional submittal reviews be necessary, additional fee may be required.

IEC shall receive, log, review, respond, and process contractor RFIs the duration of the project. Responses shall be provided within five (5) working days and in accordance to the contract documents. For the purposes of this proposal, IEC assumes a total of six (6) RFIs. Shall additional RFI reviews be necessary, additional fee may be required.

Within one month of completion of construction, IEC shall prepare record drawings based on the contractor's redlined field plan sets. Final record drawing mylars shall be delivered to the District upon completion of the revisions.

FEE ESTIMATE

A breakdown of the scope and fee is attached.

We propose to complete this work on a time and materials basis at a total costs not to exceed **\$88,739**. This brings the total requested project budget to **\$228,658**.

Sincerely,



Robert S. Weber, PE
Senior Project Manager



Anna Busing, PhD, PG
Principal, Environmental Services

CC: Jamie Fagnant, PE

**FEE ESTIMATE
LEUCADIA WASTEWATER DISTRICT
B2 Force Main Replacement - Amendment 2**

Task/ Subtask	Task/Subtask Description	Environment 1 Principal (Anna Buising)	Sr. Project Manager (Rob Weber)	Project Engineer (Janie Fagnant)	Project Surveyor (Gary Rush)	Engineer III/ CAD III Designer (David Nguyen)	Engineer II/ CAD II Designer (Ross Maxwell)	Engineer I/ CAD I Designer (Andrew Weise)	Env Specialist III (Emmeline Kiyari/Jeff Ballantine)	CM Coordinator	Word Processor (Annette Moore)	Subtask Labor-Hours	Subtask Labor Cost	Direct Cost	Subcontract	Total Cost
		\$160.00	\$180.00	\$130.00	\$130.00	\$125.00	\$110.00	\$105.00	\$105.00	\$90.00	\$65.00					
TASK 1	Project Management and Administration															\$10,303
	Additional Project Management and Administration Meetings (6)		12	24							0.5	36.5	\$5,313	\$0	\$0	\$5,313
			12	19								31	\$4,630	\$360	\$0	\$4,990
TASK 3	Design Survey and Topography															\$7,724
	Additional Survey				14	20						34	\$4,320	\$453	\$2,951	\$7,724
TASK 4	Hilton Area Alternatives Memo															\$14,720
	First Draft		11	23			1	11				46	\$6,235	\$0	\$0	\$6,235
	Second Draft		1	22				18				41	\$4,930	\$0	\$0	\$4,930
	Third/Final Draft		2	16.5				10				28.5	\$3,555	\$0	\$0	\$3,555
TASK 5	Redesign southbound lanes - Add B1															\$23,090
	100 percent submittal		8	8			30	76			4	126	\$14,020	\$0	\$0	\$14,020
	Final Submittal		4	16			26	30			4	80	\$9,070	\$0	\$0	\$9,070
TASK 7	MND															\$18,893
	CEQA Exemption Memorandum	8										8	\$1,280	\$0	\$0	\$1,280
	Administrative Draft IS/MND	8							20			28	\$3,380	\$0	\$0	\$3,380
	Screencheck and Public Review IS/MND	20							40			60	\$7,400	\$2,199	\$1,885	\$11,483
	Consideration of Comments	8							14			22	\$2,750	\$0	\$0	\$2,750
TASK 8	Construction Support Services															\$14,010
	Preconstruction Meeting		3	8								11	\$1,580	\$50	\$0	\$1,630
	Field Meetings (3)			9								9	\$1,170	\$200	\$0	\$1,370
	Submittal Reviews (25)			12				38		8		58	\$6,270	\$100	\$0	\$6,370
	RFIs (6)			12			4			2		18	\$2,180	\$0	\$0	\$2,180
	Record Drawings			6				16				22	\$2,460	\$0	\$0	\$2,460
		44	53	175.5	14	20	61	199	74	10	8.5	659				
		\$7,040	\$9,540	\$22,815	\$1,820	\$2,500	\$6,710	\$20,895	\$7,770	\$900	\$553		\$80,543	\$3,362	\$4,835	\$88,739

TOTAL NOT-TO-EXCEED FEE: \$88,739

14

MEMORANDUM

Ref: 15-4209

DATE: August 28, 2014
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: **Contract Award for Construction Management Services for the District's Batiquitos (B1/B2) Force Mains Replacement Project**

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute a sole source Agreement with Richard Stinson Construction Management for construction management services during the construction of the Batiquitos (B1/B2) Force Mains Replacement Project in an amount not to exceed \$110,000.
2. Discuss and take other action as appropriate.

DISCUSSION:

The Batiquitos (B1/B2) Force Mains Replacement Project requires construction management support to oversee construction of the project. The construction management services consist of contractor oversight, negotiating change orders, construction inspection and administration. Richard Stinson has a proven track record of providing excellent construction management (CM) services to the District. Mr. Stinson has provided CM services for every collection system construction project undertaken by the District since 2003 including the Satellite Pump Stations, Force Mains, and Gravity Sewer Replacement Project, the Batiquitos (B2) Force Main Repair Project, Batiquitos Pump Station Rehabilitation Project and Fiscal Year 2013 Gravity Pipeline Rehabilitation Project. For the B1/B2 Force Mains Replacement Project, Mr. Stinson submitted a proposal to provide CM services in an amount not to exceed \$110,000, an estimated 1100 hours at \$100 per hour. Based on the estimated 250 calendar day period for construction and Mr. Stinson's experience and past performance, staff believes this fee is fair and reasonable.

Mr. Stinson has consistently provided outstanding CM services on previous District projects. He possesses in depth knowledge of the District's collection system and operations. Mr. Stinson performed constructability reviews of the B1/B2 Force Mains Replacement project during the project's design phase and, therefore, has thorough knowledge of the project's plans and specifications. Retaining his CM services during construction will provide continuity, efficiency and is in the best interest of the District. For these reasons, the procurement of these CM services satisfies the criteria for sole sourcing allowed under Section 11.1, Sole Source Procurement, and continuity of service under Section 12.4, Continuing Services, of the District's Procurement Policy.

The service to be provided by Mr. Stinson will be paid on a time and material basis. Therefore, Staff recommends that the Board award the contract for CM services for the B1/B2 Force Main Replacement Project to Richard Stinson Construction Management.


FISCAL IMPACT:

Funds for project construction were included in the Fiscal Year 2015 budget. The appropriation is sufficient to cover the project's construction management and inspection costs.

rym:PJB

MEMORANDUM

Ref: 15-4210

DATE: August 28, 2014
TO: Engineering Committee
FROM: Paul J. Bushee, General Manager 
SUBJECT: **Contract Award for Geotechnical Support Services for the District's Batiquitos (B1/B2) Force Mains Replacement Project**

RECOMMENDATION:

Staff requests that the Engineering Committee recommend that the Board of Directors:

1. Authorize the General Manager to execute a sole source Agreement with Southern California Soils & Testing, Incorporated for geotechnical services during the construction of the Batiquitos (B1/B2) Force Mains Replacement Project in an amount not to exceed \$49,555.
2. Discuss and take other action as appropriate.

DISCUSSION:

The District's Batiquitos (B1/B2) Force Mains Replacement Project requires geotechnical (geotech) support during construction of the project. The geotech support services consist of periodic observation and compaction testing of trench backfill, subgrade, base and asphalt concrete; laboratory testing of soils encountered in the earthwork; and providing a written summary report of test and observations of the compaction testing. Southern California Soils & Testing, Inc. (SCS&T) has a proven track record of providing excellent geotech services to the District. SCS&T has provided geotech services for every collection system construction project undertaken by the District since 2009 including the Satellite Pump Stations, Force Mains, and Gravity Sewer Replacement Project, Batiquitos (B2) Force Main Repair Project, Batiquitos Pump Station Rehabilitation, and Fiscal Year 2013 Gravity Pipeline Rehabilitation Project. For the B1/B2 Force Mains Replacement Project, SCS&T submitted the attached proposal to provide geotech services in an amount not to exceed \$49,555. Based on the estimated 250 calendar day period for construction and SCS&T's experience and past performance, staff believes this fee is fair and reasonable.

SCS&T has consistently provided outstanding geotech services on previous District projects. SCS&T has an outstanding working relationship with the project team, specifically, the project's Construction Manager Mr. Richard Stinson. Retaining SCS&T's geotech services during construction will efficiently provide demonstrated responsive and professional geotech services and is in the best interest of the District. For these reasons, the procurement of these geotech services satisfies the criteria for sole sourcing allowed under Section 11.1, Sole Source Procurement, of the District's Procurement Policy.

The geotech services to be provided by SCS&T will be paid on a time and material basis. Therefore, Staff recommends that the Board award the contract for geotech services for the B1/B2 Force Mains Replacement Project to Southern California Soils & Testing.

FISCAL IMPACT:

Funds for geotech support for the Batiquitos (B1/B2) Force Mains Replacement Project were included in the project's construction management account in the Fiscal Year 2015 budget. The appropriation is sufficient to cover the costs.

rym:PJB

Attachment



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August 27, 2014

SCS&T Proposal No. 14-0665

**Mr. Robin Morishita
Leucadia Wastewater District
1960 La Costa Avenue
Carlsbad, California 92009**

Subject: PROPOSAL TO PROVIDE
COMPACTION TESTING SERVICES
BATIQUITOS (B1/B2) FORCE MAINS REPLACEMENT PROJECT
CARLSBAD, CALIFORNIA

Dear Mr. Morishita:

INTRODUCTION

Southern California Soil and Testing, Inc., (SCS&T) is pleased to present this proposal to provide compaction testing services for the subject project. We understand the project will consist of the repair of the current gravity sewer pipeline.

SCOPE OF SERVICES

SCS&T will perform compaction testing services on an on-call basis at the direction of the client representative for quality assurance. The proposed tasks consist of:

- a) Periodic observation and relative compaction testing of trench backfill, subgrade, base, and asphalt concrete;
- b) Performance of laboratory tests to determine the pertinent engineering properties of the soils encountered in the earthwork;
- c) Preparing daily field reports and a summary report describing SCS&T's observation and testing results;
- d) Preparation of a report summarizing our tests and observations of the compaction testing.

SCHEDULE

Geotechnical monitoring and testing will be performed as requested by the client representative. Consequently, the number and duration of site visits and the number of samples and tests will be at the discretion of the client representative. It appears from the proposed schedule that the job will require part-time inspection and testing for approximately 120 days as shown in Table 1.

DEFINITION OF RESPONSIBILITY

The presence of our field representative will be for the purpose of observing the construction and reporting its general compliance with the approved plans and the applicable building codes. Our work does not include the supervision or direction of the contractor's work, his employees or agents. The contractor is responsible for his/her own work, and neither the presence of our field personnel nor the observation and testing by this firm should excuse him in any way for defects in his work. It should further be understood that we are not responsible for site safety.

LIMITS OF LIABILITY

Consultant's liability for damages due to professional negligence will be limited to an amount not to exceed \$50,000, or our fees, whichever is greater. Client further agrees to notify any person or entity who may perform work or provide services in connection with any design, report, or study prepared by Consultant of such limitation of professional liability, and to require, as a condition precedent to their performing any work or providing any services on the project, their written agreement that this limitation of Consultant's liability to all persons or entities arising out of or related to its services under this Agreement shall not exceed the above-stated limits. Because of the nature of subsurface investigations, we may cause damage to your site. It shall be the responsibility of the client and not SCS&T to return the site to its original condition.

AUTHORIZATION

This budget estimate will be valid for 90 days. If this budget estimate meets with your approval, please authorize our services by signing both copies of the attached Professional Services Agreement and returning them to our office. We will in turn, send you a fully executed original for your records.

SCS&T appreciates this opportunity to provide our professional services and is most interested in becoming a member of your consultant team. SCS&T has considerable experience in successfully providing these services and we are confident that we can provide them in a timely and cost effective manner.



We appreciate the opportunity to prepare this proposal. If you have any questions, or if we may be of further service, please call us at 619-280-4321.

Respectfully Submitted,
SOUTHERN CALIFORNIA SOIL AND TESTING, INC.



Stephen T. Ward
Field Supervisor/Project Manager



Garrett B. Fountain, GE
Vice President Principal Geotechnical Engineer

GBF:SW:aw

Attachments: Table 1 Budget Estimate
Professional Services Agreement
2014 Confidential Schedule of Fees

(1) Addressee via e-mail at stinson725@aol.com



**TABLE 1
 BUDGET ESTIMATE**

	Estimated Hours/Unit		Rate/Unit	Total Cost
FIELD TECHNICIAN				
Soils/ACI Tech	480 hours	@	\$96.00 /hour	\$46,080.00
				\$46,080.00
PROFESSIONAL STAFF				
Preconstruction Meeting	1 hour	@	\$167.00 /hour	\$167.00
				\$167.00
REPORTS				
Report (If Needed)	1 report	@	\$500.00 /report	\$500.00
				\$500.00
LABORATORY TESTING				
Maximum Density Test	10 tests	@	\$212.00 /test	\$2,120.00
Asphalt Laboratory Tests	2 test	@	\$344.00 /test	\$688.00
				\$2,808.00
TOTAL FOR OBSERVATION AND TESTING SERVICES				\$49,555.00