

AGENDA
FOR THE REGULAR MEETING OF THE GOVERNING BOARD
TO BE HELD January 21, 2014

The regular meeting of the Governing Board will be held commencing at 5:30 p.m. The location of the meeting is at 5300 Sixth Street, Carpinteria, California.

CALL TO ORDER

PLEDGE OF ALLEGIANCE

BOARD APPROVAL OF AGENDA

AS [SUBMITTED] [MODIFIED]

Board President asks the Board, public, staff, and legal counsel if there are any additions and/or modifications to the Agenda.

I. APPROVAL OF MINUTES

December 17, 2013

AS [SUBMITTED] [MODIFIED]

January 7, 2014

AS [SUBMITTED] [MODIFIED]

II. PUBLIC FORUM

The public may address the Governing Board on items of interest to the public which are not already on this evening's agenda and are within the subject matter jurisdiction of the Board. The time allotted for this discussion shall be pursuant to Board Bylaws.

III. MATTERS BEFORE THE BOARD

A. GENERAL REPORTS:

1. General Manager's Status Report

(Pages 1 - 2)

Description: General Manager to review his written report regarding the following issues:

- Rincon Point Septic to Sewer Project Update
- SAMA Meeting Report
- Collection System Rehabilitation Project
- West Padaro Main Sewer Extension Project
- Santa Claus Lane US 101 Crossing
- CASA Winter Conference Report
- Operations Update

**2. Amendment No. 3 to Cash Contract 395 – Carollo Engineers (Pages 3-13)
Aerated Sludge Holding Tank Replacement Project – Cash Contract No. 416**

Description: The Board to review and consider approving Amendment No. 3 to Cash Contract No. 395 between the District and Carollo Engineers for the Aerated Sludge Holding Tank Replacement Project (ASHT).

Staff Recommendation: Approval of Amendment No. 3 to Cash Contract No. 395.

IV. BOARD ITEMS

A. COMMITTEE REPORTS

Description: Verbal reports by the committee chairperson(s) of the following committees:

- Standing Finance Committee
- Standing Personnel Committee
- Standing Public Relations Committee
- Standing Utilities Committee

B. GENERAL ITEMS

1. CASA Legislative Committee Report (Jeff Moorhouse)
 - Discussion of pending legislation affecting CASA member agencies.
2. LAFCO Report (Jeff Moorhouse)
3. SBCSDA (Santa Barbara – California Special Districts Association) Report
4. CSRMA Report (Jeff Moorhouse)
5. Board Member Vacation Dates
6. Future Agenda Items

V. CLOSED SESSION

CONFERENCE WITH LEGAL COUNSEL — ANTICIPATED LITIGATION:

Significant exposure to litigation pursuant to Government Code Section 54956.9(d)(2): one case. December 10, 2013 Notice of Violation from Central Coast Regional Water Quality Control Board

VI. RECONVENE OPEN SESSION

A. CLOSED SESSION REPORT

VII. ADJOURNMENT

FURTHER INFORMATION AVAILABLE

A staff report providing more detailed information is available for most agenda items and may be reviewed in the District office during regular hours (Monday - Friday from 8:00 a.m. to 12:00 p.m. and/or 1:00 p.m. to 5:00 p.m.). Copies of individual reports may be requested at this office. Call (805) 684-7214 extension 10 for more information.

In compliance with the Ralph M. Brown Act and the Americans with Disabilities Act, if you need a disability-related modification, accommodation, or other special assistance to participate in this meeting, please contact the District's Board Secretary at (805) 684-7214, extension 10, at least 48 hours prior to the start of the meeting.

Next Ordinance Available.....#14
Next Resolution Available.....R-271
Posting Date.....01/17/14

**CARPINTERIA SANITARY DISTRICT
IN THE
COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA**

MINUTES

These are the **minutes** of the **regular** meeting of the Governing Board of the Carpinteria Sanitary District in the City of Carpinteria, County of Santa Barbara, and State of California.

The Governing Board of the Carpinteria Sanitary District held a regular meeting on **December 17, 2013**, at 5:30 p.m. at its District administrative office located at 5300 Sixth Street, Carpinteria, California.

Directors Present: Mike Modugno
Michael Damron
Jeff Moorhouse
Gerald Velasco
Lin Graf

Staff Present: Craig Murray – General Manager
Hamid Hosseini – Finance Director
Kim Garcia – Office Manager

Legal Counsel
Present: Anthony Trembley – Musick, Peeler & Garrett, LLP

Public Present: None.

President Moorhouse called the meeting to order and asked Director Velasco to lead those present in the Pledge of Allegiance.

Board Approval of Agenda - President Moorhouse asked if there were any modifications and/or changes to the agenda. Hearing none, President Moorhouse said the agenda was approved as submitted.

Board Approval of Minutes of the Meeting of November 19, 2013 – Director Graf made a motion that the Minutes of the November 19, 2013 Regular Board meeting be approved as submitted; Director Damron seconded the motion, and the motion was approved by a 5-0 vote.

Public Forum – None.

Annual Board Reorganization – President Moorhouse said this was the time the Board established officers, meeting place, meeting time and other housekeeping functions required annually by law. President Moorhouse called for nominations for the positions of the Board.

The Board discussed the Board appointments and made the following nominations:

- Director Modugno as President
- Director Damron as President Pro-Tem
- Director Velasco as Secretary
- Director Graf as Secretary Pro-Tem
- Director Moorhouse as Treasurer

The Board discussed the standing committee appointments and made the following appointments:

- Finance Committee: **Chair** - Director Moorhouse; **Member** – Director Graf
- Personnel Committee: **Chair** - Director Velasco; **Member** – Director Damron
- Public Relations Committee: **Chair** - Director Graf; **Member** – Director Damron

The Board discussed its desire to establish a new standing committee called the Local Utilities Committee and made the following appointment:

- Local Utilities Committee: **Chair** - Director Moorhouse; **Member** – Director Graf

The Board discussed the joint powers authority assignments and made the following appointments:

- Coastal Districts Financing Authority: **Chair** - Director Modugno; **Member** – Director Damron
- California Sanitation Risk Management Authority: **Committee Member** – Director Moorhouse

The Board discussed and reaffirmed the following:

- Musick, Peeler & Garrett LLP as Legal Counsel
- Craig Murray, P.E. as General Manager
- 5300 Sixth Street as the place of regular meetings of the Board
- The first and third Tuesday of each month as the days of the regular meetings of the Board, unless the first and third Tuesday fell on a national holiday
- 5:30 p.m. as the time of the regular meetings of the Board
- Section 54956 and 54956.5 of the Government Code designated as the manner by which special and emergency meetings respectively would be called
- Compensation to Directors, as established by Board Resolution for attendance at regular, special, adjourned meetings of the Board of Directors, committee meetings, seminars, conferences and other meetings

Director Graf made a motion that the Board approve and adopt the organizational provisions as presented, and order the Secretary to file a Statement of Facts with the Secretary of State and the County as required by law, Director Damron seconded the motion, and the motion was approved by a 5-0 vote.

General Manager's Status Report – General Manager reported on the following:

Rincon Point Septic to Sewer Project Update – General Manager said Tierra Contracting completed installation of the subsurface infrastructure at the pump station site. Damage to an improperly marked duct bank and fiber optic conduit was the only notable problem. The fiber cable was not in service and a tentative plan to realign the conduit later in the construction phase. The District filed a preliminary claim with Utilquest, the company that marked the conduit on Verizon's behalf. Work on the US 101 bridge over the UPRR railroad tracks has also neared completion. The 8-inch diameter welded steel casing was installed following attachment of the pipe hanger assemblies under the deck of the bridge. The ductile iron carrier pipe was successfully installed within the casing pipe. Directional drilling the 4-inch force main began on December 16th. There has been some difficulty with the directional drilling that may be related to the substrate. A small frac-out occurred on December 16th. The drilling mud came to the surface, but was immediately contained and cleaned. Two additional frac-out's occurred December 17th, both were also immediately contained and cleaned.

SCAP Board of Directors Meeting – General Manager said he attended the monthly SCAP Board of Directors meeting on December 3rd in Laguna Nigel. The focus was on implementation of action items developed in the strategic planning session in November. The meeting was followed by the annual holiday luncheon.

SBSDA Meeting Report – General Manager said he attended the monthly SBSDA Meeting on November 22nd in Buellton. Chapter awards were presented. General Manager said he humbly reports that he was the recipient of the General Manager of the Year Award for 2013 and thanked the committee and chapter for the recognition.

SSMP Update – General Manager said staff is about to wrap up a comprehensive review and update of the District's Sewer System Management Plan.

West Padaro Main Sewer Extension Project – General Manager said the LAFCO hearing for the reorganization, scheduled for December 5th, was cancelled due to a noticing deficiency. The hearing has been rescheduled to January 9th. General Manager said he gave a site tour to the LAFCO Executive Officer, Paul Hood, on November 21st. CalProp was successful in getting a Coastal Development Permit for the project, but issuance of the final land use permit may hinge on completion of the annexation proceedings.

Operations Update – General Manager said the treatment plant is operating well and in full compliance with our NPDES discharge permit. A copy of the weekly performance report for the first week of December was attached. A technical representative from Huber was on site for two days during the week of December 9th to optimize performance of the rotary screw press. A sewer overflow occurred yesterday, December 16th, in the private portion of the line behind Albertson's. District staff was dispatched to the area to aid in the cleanup activities. Collections staff initiated an effort to inspect the annular space between the steel casing pipe and the carrier pipe crossing under US 101 at Santa Clause Lane. An all-staff training session was held on December 10th on ergonomics and safe lifting practices. The 1997 Vac-Con sewer cleaning machine will be sold at public auction after the first of the year. The surplus Dodge truck was successfully sold at auction.

Contract Document Acceptance and Authorization to Solicit Bids Aerated Sludge Holding Tank Replacement Project – Cash Contract No. 416 – General Manager said this project is for construction of two contiguous rectangular aerated sludge holding tanks which will replace the two existing out of date tanks. Concurrently, the chemical feed building and chemical storage tanks will be relocated closer to the chlorine contact tank and out of the way of the new tanks. Instrumentation and telemetry throughout the facility will be upgraded.

General Manager said Carollo Engineers completed the design phase of the project under Cash Contract No. 395. The design process has involved intensive collaboration with

District operations and management staff. The District Board of Directors approved a CEQA Notice of Exemption for this project in October 2013. Land use permits from the City of Carpinteria are being processed and are expected to be considered by the Planning Commission in early February 2014. General Manager said that one issue has arisen related to the original plant upgrade in the early 1990's, where a flood study was conducted that resulted in a LOMR-f, changing the floodway boundary based on a hydrologic analysis. The study was approved by FEMA, however the 2005 Firm Map or 2012 digital Firm map did not include the approved boundary update. Staff is working with Penfield and Smith and FEMA to correct the oversight.

General Manager said the District plans to engage a consultant to provide full-time construction management and on-site inspection during the construction phase. Staff has undertaken a competitive selection process for these support services and will present the Board with a contract for consideration in January. An amendment to Cash Contract No. 395 with Carollo will be proposed to authorize bid period and construction period engineering support.

General Manager said Carollo has prepared a detailed construction cost estimate for the project. A copy of the report was attached for review. Their opinion of probable construction cost is \$5.14 million dollars. This estimate is higher than staff's original projection and is primarily due to changes in the project layout which necessitated relocation of the chemical feed building and other facilities. Some of the increase is related to general cost inflation. The District issued \$4.5 million dollars in revenue bonds to fund this project. It is anticipated that a contribution of supplemental capital funds from the District's reserves will be necessary.

General Manager said if approved and authorized for bidding, a public advertisement and bid process will be undertaken. A 639 calendar day contract period has been established which would set a target completion date in December 2015. The bid date is anticipated to be in late February 2014.

General Manager said it was staff's recommendation that the Board accept the 100% complete Contract Documents for the Aerated Sludge Holding Tank Replacement Project and that authorization be given to advertise and solicit bids for construction.

Director Moorhouse made a motion that the Board accept the 100% complete Contract Documents for the Aerated Sludge Holding Tank Replacement Project and that authorization be given to advertise and solicit bids for construction. Director Damron seconded the motion, and the motion was approved by a 5-0 vote.

Lift Station No. 3 Control Panel Replacement Authorization – Aerobic Digester Replacement Project – General Manager said Lift Station No. 3 is located within the treatment plant facility and conveys wastewater entering the plant from the southeast portion of our service area. The existing control panel is attached to the chemical feed building which will be relocated during the upcoming aerobic digester replacement project.

General Manager said during the design review phase, it was determined that it would be easier and more cost effective for the District to procure and install a new control panel for Lift Station No.3 away from the existing building, than to prepare detailed plans and specs directing the contractor to relocate the existing 20 year old equipment. Relocation will require a new cabinet and complex reconfiguration of the electrical interconnections and wiring. If approved the panel would be procured and installed by District staff, ahead of the larger construction project, making the design simpler for prospective contractors.

General Manager said the attached proposal from Flosystems, Inc. provides a firm quotation for the replacement panel, manufactured by ICS. This panel would match the existing control panels at the District's remote lift stations and would tie into the existing

SCADA monitoring system. District staff has worked with Carollo and with FloSystems' representatives to ensure the panel will meet our needs.

General Manager said based on the quote, including sales tax, the purchase cost will be \$50,367.96 and would be paid for by capital dollars for the aerobic digester replacement project. General Manager said that he confirmed the pricing would be held through the end of 2013.

General Manager said Legal Counsel struck one line within the FloSystems' purchase terms. A red-lined copy was distributed.

General Manager said it was staff's recommendation that the Board authorize purchase of an ICS control panel replacement for Lift Station No. 3 from FloSystems, Inc. of Burbank, CA in the amount of \$50,367.96

Director Damron made a motion that the Board authorize the purchase of a replacement control panel for Lift Station No. 3 as proposed; Director Graf seconded the motion and the motion was approved by a 5-0 vote.

Cash Contract No. 417 - Lucity, Inc. - Asset Management Software and Professional Support Services – General Manager said this approved capital improvement project for the current fiscal year involves replacement of the software application that manages the District's treatment plant and collection system assets. The software generates and tracks work orders, and provides cost accounting. The District's current software, which has been used since the mid-1990's, is an access data base called Accela. This program is no longer supported and staff has been experiencing software problems with increasing frequency.

General Manager said District staff conducted a comprehensive market analysis based on the current needs. It was determined that the best fit for the agency is offered by a company called Lucity, Inc. The Lucity application is geared towards water and wastewater utilities and as such has all of the desire features and integration capabilities. The application will integrate with our existing ESRI GIS mapping platform and our WinCan CCTV software. Lucity operates simultaneously in desktop, web and mobile environments.

General Manager said attached to Cash Contract No. 417 is the proposal from Lucity. Services under the contract include providing asset management software and licensing, software installation, and support and maintenance provisions.

General Manager said that it was staff's recommendation that the Board approve and execute Cash Contract No. 417 between the District and Lucity, Inc. for asset management software and support on a time and materials basis with a not to exceed contract amount of \$48,730. An indemnity provision was inadvertently omitted for the staff report copy of Cash Contract No. 417. A revised version was distributed for review and consideration.

Director Moorhouse made a motion that the Board approve and execute Cash Contract No. 417 between the District and Lucity, Inc. for asset management software and support on a time and materials basis with a not to exceed contract amount of \$48,730; Director Graf seconded the motion and the motion was approved by a 5-0 vote.

Resolution No. R-270 - Recognizing Bob Gillette for a Decade of Outstanding and Dedicated Service to the Carpinteria Sanitary District – General Manager said that Bob Gillette, a partner in Carollo Engineers, has provided outstanding project management and engineering guidance to the District over the past decade. The District staff and Board of Directors thanked Bob for his years of loyal, reliable and committed service to the agency.

General Manager said it was staff's recommendation that the Board adopt Resolution No. R-270, as submitted.

Director Damron made a motion that the Board adopt Resolution No. R-270 Recognizing Bob Gillette for a Decade of Outstanding and Dedicated Service to the Carpinteria Sanitary District; Director Moorhouse seconded the motion, and the motion was approved by the following 5-0 roll call vote: Director Graf voted aye, President Modugno voted aye, Director Moorhouse voted aye, Director Damron voted aye, and Director Velasco voted aye.

LAFCO Commission – Special District Member Vacancy – General Manager said information is being presented to the Board from LAFCO regarding an upcoming vacancy on Santa Barbara LAFCO commission. Director Moorhouse’s term expires on March 1, 2014.

After some Board discussion, Director Damron nominated Jeff Moorhouse to serve another term on the Santa Barbara LAFCO Commission; Director Graf seconded the motion and the motion was approved by a 5-0 vote.

Finance Committee – Director Damron said the committee met and reviewed the monthly reports.

Personnel Committee – Did not meet.

Public Relations Committee – Did not meet.

Ad Hoc Utilities Committee – Did not meet.

CASA Legislative Committee Report – None.

LAFCO Report – None.

SBCSDA Report – None.

CSRMA Report – None.

Board Member Vacation Dates – None.

Future Agenda Items – None.

CLOSED SESSION – 6:25 p.m.

Legal counsel led the Board in to closed session on the following agendized items:

CONFERENCE WITH LEGAL COUNSEL — EXISTING LITIGATION: Pursuant to Government Code Section 54956.9(d)(1): Name of Case: Mark Gilbert v. Tierra Contracting, Inc.; City of Carpinteria; Carpinteria Sanitary District. Santa Barbara Superior Court Case No. 1415699.

CONFERENCE WITH LEGAL COUNSEL — ANITICIPATED LITIGATION: Pursuant to Government Code Section 54956.9(d)(2): one case. December 10, 2013 Notice of Violation from Central Coast Regional Water Quality Control Board.

RECONVENE OPEN SESSION – 7:09 p.m. President Modugno reconvened the open session and stated that there was no action taken on the closed session items.

Adjournment There being no further items to discuss, President Modugno adjourned the meeting at 7:10 p.m.

Mike Modugno
President

Michael Damron
President Pro-Tem

Gerald Velasco
Secretary

Lin Graf
Secretary Pro-Tem

Jeff Moorhouse
Treasurer

**CARPINTERIA SANITARY DISTRICT
IN THE
COUNTY OF SANTA BARBARA, STATE OF CALIFORNIA**

MINUTES

These are the **minutes** of the **regular** meeting of the Governing Board of the Carpinteria Sanitary District in the City of Carpinteria, County of Santa Barbara, and State of California.

The Governing Board of the Carpinteria Sanitary District held a regular meeting on **January 7, 2014**, at 5:30 p.m. at its District administrative office located at 5300 Sixth Street, Carpinteria, California.

Directors Present: Mike Modugno – President
Michael Damron – President Pro-Tem
Jeff Moorhouse – Treasurer
Gerald Velasco – Secretary
Lin Graf – Secretary Pro-Tem

Staff Present: Craig Murray – General Manager
Hamid Hosseini – Finance Director
Kim Garcia – Office Manager

Legal Counsel
Present: None

Public Present: Steve Mimiaga – Mimiaga Engineering Group
Carlos Sanchez – Mimiaga Engineering Group
Peter Brennan – MNS Engineers

President Modugno called the meeting to order and asked Director Graf to lead those present in the Pledge of Allegiance.

Board Approval of Agenda - President Modugno asked if there were any modifications and/or changes to the agenda. General Manager asked if General Item 4 could be heard after General Item 1. President Modugno said the agenda was approved as modified.

President Modugno noted for the record that Legal Counsel, Anthony Trembley, would be absent from tonight's meeting and that Legal Counsel, Bill Carter, would be telephoned for the closed session items.

Public Forum – None.

General Manager's Status Report – General Manager reported on the following:
Quarterly Incident Report – The Quarterly Incident Report for the period October – December 2013 was presented to the Board. This report detailed incidents, complaints and other customer interactions received during this period. **Rincon Point Septic to Sewer Project Update** – General Manager said work continued sporadically through the two-week holiday period. The CalTrans encroachment permit prohibited work on Christmas Eve and New Year's Eve. Tierra has made good progress, the long bore from the pump station to the bridge has been completed, all bridge attachment work has been completed and one of two boring shots from the bridge to the top of the off ramp have also been successfully completed without incident. A pre-construction meeting for the on-site portion of the project was held on December 19th at the District offices. Travis Ag and their subcontractors were in attendance with permitting agencies, and the Rincon Point Property Owners Association. An archeological orientation meeting will take place the first part of next week. Notice to Proceed was issued to Travis Ag, with a start date of January 6th. General Manager said on December 18th he gave a tour of the project to officials from the SWRCB Division of Financial Assistance. They were very impressed and pleased that this grant funded project was nearing completion. **Operations Update** – General Manager said the treatment plant is operating well and in full compliance with our NPDES discharge permit. Staff is dealing with some foaming in the aerobic digester. This is unsightly and a nuisance but doesn't pose any problems for plant operation or compliance status. The collection system is functioning well with no problems to report. During the week before Christmas, collections staff responded two sewer overflows emanating from private lateral sewers serving the Casitas Pass Plaza and Shepards Plaza. District staff responded to aid in the prevention of and water quality impacts. The district will seek to recover costs from the private property owners resulting from our response efforts.

New Brown Act Legislation – General Manager said a letter from Legal Counsel was included in the Board packet for review. The information contained in the letter pertains mainly to legislated changes to meeting by teleconferences. There are some new requirements that legal counsel felt applied to our regular meetings. Specifically, if a roll call vote is not used in voting on items, it now shall be required that the clerk validate and record the vote of each member on all action items.

General Manager said it has been the practice of the District to record a split vote and the member specifically who gave the nay vote. In addition to this practice the clerk should now orate the vote at the end of each action item.

Cash Contract No. 418 – MNS Engineers, Inc., Construction Management and Inspection Services – General Manager said he'd like to introduce Peter Brennan from MNS Engineers, Carlos Sanchez with Mimiaga and Steve Mimiaga also with Mimiaga Engineering Group.

General Manager said this important capital project is nearing the bidding phase. The target date for advertisement of bids is next Monday, January 13th, with a bid due date of February 19th. To ensure that this significant project is constructed in accordance with the Contract Documents and in a manner that maintains continuous plant operations and permit compliance, staff recommends engagement of a third party construction management firm and use of a contract full-time construction inspector, experienced in large scale wastewater treatment plant construction.

General Manger District staff implemented a consultant selection process attempted to leverage the efforts of the City of Santa Barbara. They have a project is on a similar time schedule to make significant improvements to their El Estero Wastewater Treatment Facility.

The City invited, through an RFP process, a significant number of local and regional construction management firms. Two highly qualified firms were selected for interviews. General Manager said he was asked to participate as a panelist for those interviews.

General Manager said two firms considered were Mimiaga Engineering Group and MNS Engineers. Ultimately, the City selected MNS Engineers for their project. It was the District's intent to then negotiate a contract for construction management and inspection services for our tank project directly with Mimiaga. However, this process was complicated with the City offered Mimiaga, specifically Carlos Sanchez, a separate on-call engineering contract.

General Manager said District staff prepared a RFP package to both firms. Proposals were received from both firms on November 1, 2013. During the review process, representatives from both firms suggested that a partnership between the two may offer the District the best overall team. District asked for a consolidated proposal outlining the proposed joint approach. This proposal is attached to Cash contract No. 418 as exhibit "a". The proposal includes basic approach, scope of services and fee estimate and project organization chart.

General Manager said if authorized the work would be performed on a time and material basis, with a not to exceed contract amount of \$587,130.

General Manager said it was staff's recommendation that the Board approve Cash Contract No. 418 between the District and MNS Engineers, Inc. for construction period management and inspection services for the aerated sludge holding tank replacement project.

Mr. Brennan, Mr. Sanchez and Mr. Mimiaga each provided the Board with oral summaries of their qualifications and related experience.

Director Damron made a motion that the Board approve and execute Cash Contract No. 418 between the District and MNS Engineers, Inc. for the Aerated Sludge Holding Tank Replacement Project; Director Graf seconded the motion and the motion was approved by a 5-0 vote. Board Clerk noted for the record the vote was unanimous.

President Modungo thanked Mr. Brennan, Mr. Sanchez and Mr. Mimiaga for their attendance at tonight's meeting.

2014 CASA Washington D.C. Conference – President Moduno said this item was on the agenda as an informational item for any Board member who might want to attend the 2014 CASA Washington D.C. Conference to be held in Washington D.C. on February 24-26, 2014. President Modugno suggested that any Board member who was interested to contact the Office Manager/Board Clerk.

Finance Committee – Did not meet.

Personnel Committee – Did not meet.

Public Relations Committee – Did not meet.

Ad Hoc Utilities Committee – Did not meet.

CASA Legislative Committee Report – Director Moorhouse reported on several bills being watched by CASA.

LAFCO Report – Director Moorhouse said that the next LAFCO meeting will be held in Santa Barbara.

SBCSDA Report – None.

CSRMA Report – None.

Board Member Vacation Dates – None.

Future Agenda Items – None.

CLOSED SESSION – 6:15 p.m.

Legal counsel, Bill Carter, was contacted via telephone. Mr. Carter led the Board in to closed session on the following agenda items:

CONFERENCE WITH LEGAL COUNSEL — ANITICIPATED LITIGATION: Pursuant to Government Code Section 54956.9(d)(2): one case. December 10, 2013 Notice of Violation from Central Coast Regional Water Quality Control Board.

RECONVENE OPEN SESSION – 6:25 p.m. President Modugno reconvened the open session and stated that there was no action taken on the closed session items.

Adjournment There being no further items to discuss, President Modugno adjourned the meeting at 6:25 p.m.

Mike Modugno
President

Michael Damron
President Pro-Tem

Gerald Velasco
Secretary

Lin Graf
Secretary Pro-Tem

Jeff Moorhouse
Treasurer



Carpinteria Sanitary District

Board of Directors Meeting
General Manager's Status Report

TO: Board of Directors
FROM: Craig Murray, P.E. - General Manager
SUBJECT: **General Manager's Status Report**
DATE: January 21, 2014

Rincon Point Septic to Sewer Project Update. Directional drilling of the 4-inch diameter force main in the US 101 corridor has been completed. There were a number of small frac-outs during the installation process, all of which were fully contained with no potential impacts to surface waters. These incidents were reported to applicable agencies as required. Construction of the retaining walls (and footings) at the pump station site is nearly complete. Work on the concrete slab and building footings is set to commence. An archaeological orientation meeting for the on-site portion of the project was held on January 9th at the District offices. Travis Agricultural Construction commenced work within the community on January 9th. Dudek began the Phase 3 excavation units the week of January 9th as well.

SAMA Meeting Report. I attended the January 8th meeting of the Sanitation Agency Managers Association at the El Estero WWTP in Santa Barbara. A presentation on the Los Osos community sewer project was given by Steve Mimiaga. A roundtable discussion of construction project in progress at the various agencies followed.

Collection System Rehabilitation Project Update. The Sancon project team was on site for a pre-construction meeting on January 13th, after which their cleaning subcontractor began work in the Padaro Lane area. The City of Carpinteria asked that the District procure a separate encroachment permit in lieu of performing this work under our blanket permit. Sancon was amenable to this and provided insurance certificates to the City for this purpose. District staff is managing this construction effort and most of the required submittals have been received and approved. Eddie Saenz attended a two-day specialty training seminar on CIPP construction inspection, offered by NASSCO. Eddie will provide full time inspection during the course of this work and his extensive experience, both in our collection system and with this type of improvement project, will be very beneficial.

West Padaro Main Sewer Extension Project Update. The boundary reorganization for this project was unanimously approved by Santa Barbara LAFCO at a special meeting held on January 9th. There is a 30-day reconsideration period before the annexation is finalized and recorded, but CalProp is working with County Planning and Development staff to get the land use permits finalized so that construction can move forward. Lance Lawhon will provide inspection for the District during the construction phase.

Santa Claus Lane US 101 Crossing. Collections staff successfully cored a hole through the manhole and concrete plug into the casing on either side of the crossing. An extensive amount of water flowed from the downhill side, and water continues to flow out, indicating a breach in the

casing at some location. However, once the water drained out, the PVC carrier pipe seems to have settled back into a position closer to the design grade. High spots in the first 100 feet of pipe have been cut at least in half, and wastewater is flowing now unrestricted across the highway. It was likely that the carrier pipe was floating within the casing causing the reverse grade condition. Additional investigation will continue, but this is a positive outcome which may preclude some of the more significant remedial actions that were being considered.

CASA Winter Conference Report. I attended the CASA Winter Conference in Indian Wells, January 15th to 17th. An oral report on the conference will be provided.

Operations Update: WWTP and Collection System operations updates are as follows:

- The treatment plant is operating in full compliance with our NPDES discharge permit.
- The foaming issue in the existing aerobic digester has been brought under control. For a period of time we undertook an accelerated dewatering program to lower the liquid level in the digester. This required solids handling operations that generated some short duration odors and staff received two odor complaints during this process.
- The collection system is functioning well with no reported mainline blockages or SSOs during the period. A minor lower lateral SSO occurred on January 8th at a residence on Arbol Verde Drive. This lateral was already on a maintenance schedule and this event will prompt replacement or repair of the lower lateral to prevent recurrence.



Carpinteria Sanitary District

Board of Directors Meeting

STAFF REPORT

TO: Board of Directors

FROM: Craig Murray, P.E. - General Manager

SUBJECT: **Amendment No. 3 to Cash Contract 395 – Carollo Engineers
Aerobic Digester Replacement Project Design**

DATE: January 21, 2014

REQUESTED ACTION: That the Board approve an amendment to Cash Contract No. 395 between the District and Carollo Engineers for preliminary and final design of the Aerobic Digester Replacement Project.

FUNDING SOURCE: CIP Project P-138 / 2012 Revenue Bonds

BACKGROUND: On March 20, 2012 the District approved Cash Contract No. 395, engaging Carollo Engineers (Carollo) to provide preliminary and final design services for the District's aerobic digester replacement project. Two amendments have subsequently been authorized by the Board of Directors during the preliminary and final design phases of the project. The current contract amount is \$544,266, and this budget has been fully expended.

Carollo has satisfactorily completed the final design phase and the project is out to bid at this time, with a scheduled bid opening date of February 19, 2014. The District recently entered into an agreement with MNS Engineers for the provision of construction management and inspection services during the bidding and construction phases of the project. We will also require the services of the design engineer during this period.

As the designer of record, Carollo will necessarily review certain submittals, they will address complex questions from the contractor (RFIs); and they will prepare design addenda or change order directives as necessary. Carollo will also participate in critical meetings, perform periodic site visits and assist in equipment and facility startup activities.

Attached herewith is a scope and fee proposal from Carollo for construction period engineering support. Services will be provided on a time and materials basis and the need for design support will be largely dictated by the "quality" of the contractor that is awarded the work. We have worked with Carollo's project manager to generate a reasonable estimate of the level of effort expected over the next 18-24 months.

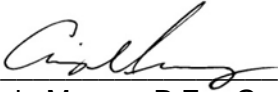
Carollo updated its scope of services, with a description of the additional design services required for the project. It is included with this report as Exhibit A. Exhibit C is an hour and fee breakdown for the revised scope. A total fee amendment of \$184,131 is proposed. If approved, the revised contract amount would be **\$728,397**. The contract performance period would be extended accordingly as well.

RECOMMENDATION: Staff recommends that the Board approve Amendment No. 3 to Cash Contract No. 395 between the Carpinteria Sanitary District and Carollo Engineers, increasing the authorized design fee by \$184,131 to **\$728,397**.

SUGGESTED MOTION: I move that the Board approve Amendment No. 3 to Cash Contract No. 395 between the Carpinteria Sanitary District and Carollo Engineers as presented.

M _____ S _____

Ayes: _____ Nays: _____ Abstentions: _____

Prepared By:  _____
Craig Murray, P.E. - General Manager

Attachments: Exhibit A – Contract Modification No. 3 Scope of Services
Exhibit B – Standard Rates
Exhibit C – Fee Proposal Breakdown



EXHIBIT A

CARPINTERIA SANITARY DISTRICT

Aerobic Sludge Storage Project

Engineering Services During Construction

Scope of Services

January 14, 2014

GENERAL

This Scope of Services describes Engineering Services During Construction (ESDC) to be provided by Carollo Engineers (Carollo) for the Carpinteria Sanitary District (District) under the Agreement between both parties dated March 20, 2012. The existing aerobic digesters are in need of replacement and this Project is for the construction phase of new facilities at the existing wastewater treatment plant (WWTP). The work to be performed for the project consists of the following services, which are discussed in further detail in this Scope of Services:

- Project Management
- Project Meetings
- Bidding Phase
- Engineering During Construction
- Optional items / Owner Allowances

BACKGROUND

In February 2007, Carollo completed a Solids Handling Master Plan for the District that analyzed various options for solids handling processes at its wastewater treatment facility. This study also considered a wide range of end use alternatives for biosolids generated at the facility. The analysis indicated that continued aerobic digestion and off-site co-composting was the preferred alternative.

The District engaged Carollo to perform additional planning level work, which culminated in a Solids Handling Facilities Plan in June 2011. A key element of this study was a condition assessment and simplified structural analysis of the two existing concrete digester structures at the treatment facility. Significant corrosion was verified in the digester tank lids and openings, but more significantly it was determined that significant seismic deficiencies existed that would necessitate major retrofit improvements for continued use.

The Solids Handling Facilities Plan evaluated a number of options and configurations for replacement digester structures. The recommendation that was later accepted by the District's Board of Directors involves construction of a new rectangular aerobic digester. The tank would have multiple compartments and a piping configuration that would allow for optimal flexibility and performance. The project as proposed would offer other key benefits, including increased aeration efficiency, enhanced solids reduction, and aesthetic improvements. Once the new digester structure is complete, the existing tanks would be demolished.

In November 2013, Carollo submitted Final sealed/signed design documents (plans and specifications) to the District. As of the date of this Scope of Work, the bid dates are being set for January through February 2014 with final dates to be set.

SCOPE OF SERVICES

TASK 1 PROJECT MANAGEMENT

The District plans to hire a Third-Party Construction Manager for this Project. As such, the project coordination task and Task 2 Project Meetings are arranged to coordinate with the District, the Third-Party Construction Manager, and the Contractor.

Task 1.1 - Monthly Progress Reports & Invoices

Provide monthly written status reports to the District that will accompany and supplement monthly invoices. These reports will provide a narrative summary of progress on the Project for each of the major Project components, including budget and schedule status. The report will discuss work completed on the Project for the reporting period and anticipated work for the next period. Any out-of-scope work will be identified in this progress report.

TASK 2 PROJECT MEETINGS

The following project meetings are anticipated for this project:

Task 2.1 - Coordination with the Third-Party Construction Manager

It is anticipated that the Engineer will coordinate with the Third-Party Construction Manager and/or District for 18 months of Project duration. Coordination will be via telephone and emails only.

Task 2.2 – Site Visits

If requested, the Engineer can visit the site up to three (3) times during the construction phase to witness the construction progress or meet to review any issues with the construction.

Task 2.3 - Construction Meetings

It is assumed that the Engineer will attend 9 construction meetings, approximately one every other month, during the duration of this Project. The meetings will be attended via conference call only.

TASK 3 BIDDING ASSISTANCE

The Engineer will provide the following services during the bidding phase.

3.1 – Bid Document Distribution

Engineer will assemble the final bid ready documents and submit hard and electronic copies to the District (3 half size, one full size, and PDF) and to the reprographics firm. The Engineer will coordinate with the reprographics firm that will maintain the plan holder list and maintain a location on the internet for plan holders, bidders, and subcontractors to download the Bid Documents.

3.2 – Pre-Bid Conference

Engineer will attend the mandatory contractor pre-bid conference and site walk. The Engineer will create an agenda, develop and document the sign-in list for eligible bidders, and document any questions for official reply via addendum number 1.

3.3 – Response to Bidder Questions

Engineer will receive and review questions from prospective bidders, if warranted, an addenda will be issued.

3.4 - Bid Document Addenda

Engineer will respond to questions from Contractors during the bidding phase and prepare and issue Addenda to the Contract Documents as may be required. Engineer will coordinate with District regarding the specific questions and issues raised by Contractors that need to be addressed, and which party (Engineer or District) will respond accordingly, as needed.

3.5 - Bid Opening

Engineer will attend the bid opening and review the bid submittals. The Engineer will submit a bid evaluation and recommendation to the District.

TASK 4 - ENGINEERING SERVICES DURING CONSTRUCTION

The following details the Scope of Work associated with the ESDC services to be performed by Engineer during the construction phase of the Project.

4.1 - Submittal Review

Engineer will establish and maintain a system for the review of submittals (i.e. samples, schedules, shop drawings, test results, product data, vendor O&M manuals, and other data) that the Contractor is required to submit, but only for general conformance with the design intent of the Project and for conformance with the Contract Documents. The review of vendor training lesson plans and instruction materials will be excluded.

The Contractor's submittals will be stamped appropriately to indicate results of Engineer's review. Such review will determine the suitability of the Contractor's proposed details for implementing the design, technical submittals conform to the design information given in the Contract Documents, and is consistent with the design intent represented in the specifications and drawings. Such review and approval will not extend to means, methods, sequences, techniques, or procedures of construction selected by Contractor, or to associated safety precautions and programs. Engineer will also receive, review, and provide written comments to the District and their Third-Party Construction Manager (for general content as required by specifications) on maintenance and operating schedules and instructions, guarantees, and certificates of inspection that are to be assembled by Contractor in accordance with the Contract Documents.

The submittal review systems will be structured and managed to provide timely review and response to the Contractor's submittals. Engineer will review and return submittals within the calendar days set forth in the Contract Documents for the Project.

For the purposes of this Task, Engineer assumes that the Contractor and Third-Party Construction Manager shall be responsible for maintaining their own submittal file copies. Engineer also assumes that the Contractor submittals shall be indexed and filed in accordance with the specification section number and specific equipment identified. Engineer will maintain the following submittal files:

- Engineer's File – Contains copies of submittals whether accepted or rejected. This filing system will be organized, formatted, and numbered in parallel with the Contract Documents. This file will be a complete submittals file.

NOTE: In accordance with the Bid Documents, costs incurred as a result of additional reviews of a particular submittal after the second time it has been reviewed shall be borne by the Contractor. Reimbursement to Engineer for additional reviews by District shall be based on deducting such costs from Contractor's subsequent partial payments.

4.2 - Requests for Interpretation

Requests for interpretation (RFIs) from the Contractor shall be logged by District or third party construction manager. At the request of District, the Engineer will provide supplemental information and assist District in preparation of responses so that the field personnel have been provided the appropriate level of information relative to the request. When deemed necessary, Engineer will provide supplemental information to District in order to issue clarifications to the Contractor as required to clarify discrepancies in the Contract Documents, see Task 4.3.

4.3 – Design Clarifications

Throughout the construction period, the Engineer may be required or deem it appropriate to issue Design Clarifications. Design Clarifications may be requested by District or the Third-Party Construction Manager. Design Clarifications may include written instructions and if necessary revisions to the Contract Documents (drawings and specifications).

4.4 – Review of Change Orders

The Engineer will review and analyze Change Order Requests to determine their merit relative to the Contract Documents and design intent. The review of change orders will only be upon the request of DISTRICT and the Third-Party Construction Manager.

The Engineer's review and analysis of Change Order Requests will include scope and pricing information submitted by the Contractor and/or the Third Party Construction Manager as part of the request. Field discussions with the Contractor are not included and are assumed to be handled by the Third Party Construction Manager.

Special design services that may be required for a Contractor, Third-Party Construction Manager, or a DISTRICT requested change order are included in the base Scope and Fee.

TASK 5 – OPTIONAL ITEMS/ OWNER ALLOWANCE

The Engineer has identified several task items that may be required for this Project. The subtasks within Task 4 are provided as an Owner Allowance in which the Engineer will only commence work upon written (letter or email) approval from District.

Task 5.1 Record Drawings

The Engineer will develop reproducible Record Drawings using the Contractor's field redlines and input from the Third-Party Construction Manager. Note the Third-Party Construction Manager will be responsible for certifying the accuracy of the drawings since they will be providing daily inspection services and review of the Contractor's redlines in the field. The Engineer will submit four half size (11x17) copies of the Draft Record Drawings for review by District and the Third-Party Construction Manager. Upon receipt of comments on the draft, the Engineer will incorporate the comments and submit five copies of half size (11x17) and two full size (22x34) set of Record Drawings.

Task 5.2 Final Inspection and Punch List

The Engineer will visit the sites with District, Third-Party Inspector, and the Contractor to conduct a final inspection report and punch list. It is assumed this will take a day per project element and an additional day per project element to re-visit for the final punch.

Task 5.3 Start-Up and Testing

The Engineer will review the testing and start up plan provided by the Contractor (effort covered under the Submittal review task) and coordinate the start up and testing of the facilities. The Engineer will provide field assistance to the District and Third-Party Inspector during the following start up and testing activities:

- 8-hour equipment Functional Testing
- Operational Testing (unit process or system testing)

ASSUMPTIONS

The Bidding and ESDC services defined herein are based on several assumptions including:

1. The anticipated construction period of twenty-four (24) months, from Contractor Notice to Proceed (NTP) to Final Completion and Acceptance (time and services provided beyond this duration will require a modification to this Scope and Fee).
2. Engineer will not incorporate the addenda into conformed documents.
3. Engineer will not conduct, coordinate, nor document construction meetings that may be held between the District, Third-Party Construction Manager, or Contractor.
4. Engineer will not furnish a full time (on-site) Resident Engineer or Resident Inspector for the duration of the construction.
5. District shall contract separately with a Third Party Inspector (or a Third-Party Construction Manager) to perform on-site inspection throughout the duration of the Project.
6. All submittals, RFIs, and other documents produced and submitted by the Contractor will be handled, logged, and tracked by the Third-Party Inspector.
7. This Scope and associated fee does not include the effort to review all anticipated submittals, shop drawings, RFIs, and other documents produced by the Contractor. The District will use their Third-Party Construction Manager to review documents. Additional reviews by Carollo, beyond the quantities and hours estimated herein, will require a modification to this Scope of Services and associated fees.
8. If any submittal, RFI, or other document is reviewed by the Third-Party inspector, Engineer shall not be liable and/or responsible for such review and/or the consequences of such review. Engineer shall not be liable for changes made by and/or coordination with any submittals, RFIs or other documents not reviewed by Engineer.
9. Engineer will not furnish site control surveying, geotechnical testing, or materials testing during construction. This shall be the responsibility of District and/or Third-Party Construction.
10. Engineer will not maintain field files (submittals, RFIs, COs, etc). This shall be the responsibility of District and/or Third-Party Construction.
11. Engineer will not review the Contractor monthly pay requests. This shall be the responsibility of District or the Third-Party Construction Manager.
12. Contractor shall maintain a set of active Record Drawings at the Project site, consisting of applicable red-lined markups to the Bid drawings. Review of red-lined markups for accuracy shall be the responsibility of District and/or Third-Party Construction Manager.
13. While the Engineer may develop the Record Drawings (using CADD) using the Contractor's redlines, the Third Party Construction Manager will be required to certify (sign & seal) the documents since the Engineer will not have full time inspection of the work being constructed and cannot certify the accuracy of the Contractor's redlines.
14. Submittals, RFIs, Change Orders, Design Clarifications, meetings, site visits, etc beyond the numbers estimated within the attached Fee estimate will require a modification to this Scope and Fee.

ESTIMATED MANHOURS AND COSTS

The Fee Proposal Breakdown associated with completion of the Scope of Work is provided in Exhibit C along with the Engineer's standard rate schedule in Exhibit B. The Project is to be billed monthly on a time and materials not to exceed basis, per the rate schedule in Exhibit B and per the estimated total fee in Exhibit C.

STANDARD OF CARE

Carollo Engineers shall be responsible to the level of competency and standard of care presently maintained by other practicing Professional Engineers performing the same or similar type of work at the time notice to proceed is issued. Carollo and the District mutually agree that standard of care, as applied to design professionals, shall be defined as the ordinary and reasonable care required and established by expert testimony of what a reasonable and prudent professional would have done under the same or similar circumstances.

Carollo shall not be responsible for the means, methods, techniques, sequences, or procedures of construction selected by Districts or the safety precautions and programs incidental to the work of Districts and will not be responsible for District's failure to carry out work in accordance with the Contract Documents.

Carollo has no control over the cost of labor, materials, equipment, or services furnished by others, or over District's methods of determining prices, or other competitive bidding or market conditions, practices, or bidding strategies. Cost estimates are based on the Carollo's opinion based on experience and judgment. Carollo cannot and does not guarantee that proposals, bids, or actual project construction costs will not vary from cost estimates prepared by the Carollo.

EXHIBIT B

CARPINTERIA SANITARY DISTRICT

PROFESSIONAL ENGINEERING SERVICES FOR ENGINEERING SERVICES DURING CONSTRUCTION

January 17, 2014

Carollo Engineers, P.C.
Project Fee Schedule



LABOR CATEGORY	BILLING RATES	
Project Director / Principal	\$ 250.00	per hour
Project Manager	\$ 230.00	per hour
Senior Project Engineer	\$ 210.00	per hour
Project Engineer	\$ 176.00	per hour
Staff Engineer	\$ 155.00	per hour
CADD Technician	\$ 152.00	per hour
Clerical / Word Processor	\$ 96.00	per hour
Project Equipment and Communication Expenses (PECE) Charge Per Direct Labor Hour	\$ 11.50	per hour
OTHER DIRECT COSTS (ODCs)		
Travel and Subsistence	at cost	
Reproduction	at cost	
Postage and Courier Services	at cost	
Long Distance Communication	at cost	
Mileage	\$ 0.57	per mile
Subconsultant	at cost	

NOTE: Project Fee Schedule will remain valid for the duration of the ESDC phase services only. Fee schedule for supplemental phase services will be subject to an updated fee schedule to be negotiated at a later time as appropriate. In addition, this Fee Schedule Assumes the Construction begins in 2014 and a bulk of the submittals, RFIs, etc are processed in 2014. If the construction start or the construction completion is delayed we reserve the right to negotiate and adjust this Fee Schedule.

**EXHIBIT C
CARPINTERIA SANITARY DISTRICT**

PROFESSIONAL ENGINEERING SERVICES FOR ENGINEERING SERVICES DURING CONSTRUCTION

January 14, 2014

Fee Proposal Breakdown

Tasks	Task and Sub-Task Description	LABOR PORTION							Total Labor Hours	Subtotal Labor Cost	Total Labor Cost	Other Direct Costs (ODCs)	PECE	TOTAL PROJECT COSTS
		Principal In Charge	Project Manager	Sr. Project Engineer	Project Engineer	Staff Engineer	CAD Technician	Clerical / WP						
	ENGINEERING SERVICES DURING CONSTRUCTION													
1	Project Management	6	18	0	0	0	0	6	30	\$6,216	\$6,216	\$0	\$345	\$6,216
	Develop and submit monthly progress reports & Invoices (18 total)	6	18					6	30	\$6,216	\$6,216	\$0	\$345	\$6,216
2	Project Meetings	17	88	0	41	0	0	15	161	\$33,146	\$33,146	\$2,500	\$1,852	\$35,646
	Coordination with 3rd Party CM (18 months)	4	40		32			10	86	\$16,792	\$16,792	\$0	\$989	\$16,792
	Site Visits (3 Site Visits)	8	24					3	35	\$7,808	\$7,808	\$2,500	\$403	\$10,308
	Construction Meetings (9 conference calls)	5	24		9			2	40	\$8,546	\$8,546	\$0	\$460	\$8,546
3	Bidding Phase	6	50	3	52	12	12	11	146	\$27,522	\$27,522	\$1,500	\$1,679	\$32,926
	Bid Documents		4					8	20	\$2,904	\$2,904	\$1,000	\$230	\$3,904
	Pre-Bid Conference	4	10					2	16	\$3,492	\$3,492	\$750	\$184	\$4,242
	Response to Bidder Questions		16		40			2	58	\$10,912	\$10,912	\$0	\$667	\$10,912
	Preparation of Addenda (up to 3)	1	12	3	12	12	12	6	58	\$10,012	\$10,012	\$0	\$667	\$10,012
	Bid Opening, Bid Evaluation, and Recommendation	1	12					1	14	\$3,106	\$3,106	\$750	\$161	\$3,856
4	Engineering Services During Construction	4	19	84	143	183	66	133	632	\$99,343	\$99,343	\$10,000	\$7,268	\$109,343
	Submittal Review (50 submittals)	2	10	40	80	100		75	307	\$47,980	\$47,980	\$0	\$3,531	\$47,980
	Review and Respond to RFIs (25 RFIs)	1	4	30	40	60	20	50	205	\$31,650	\$31,650	\$0	\$2,358	\$31,650
	PLM Geotech Review of Submittals								0	\$0	\$0	\$10,000	\$0	\$10,000
	Design Clarifications (2 DCs)		2	8	8	8	16	2	44	\$7,412	\$7,412	\$0	\$506	\$7,412
	Review Change Order Requests (3 COs)	1	3	6	15	15	30	6	76	\$12,301	\$12,301	\$0	\$874	\$12,301
	TOTAL BASE FEE (TASK 1 THROUGH 4)	33	175	87	236	195	78	165	969	\$ 166,227	\$ 166,227	\$14,000	\$11,144	\$ 184,131
5	Optional Items/ Owner Allowances	1	96	32	72	0	186	24	411	\$72,298	\$72,298	\$5,750	\$4,727	\$78,048
	Record Drawings (93 sheets)		40		40		186		266	\$44,512	\$44,512	\$750	\$3,059	\$45,262
	Start Up and Testing Assistance (8-hour & Functional Testing)		40	24	24			16	104	\$20,000	\$20,000	\$2,500	\$1,196	\$22,500
	Final Inspection and Punch List	1	16	8	8			8	41	\$7,786	\$7,786	\$2,500	\$472	\$10,286
	TOTAL PROJECT COST (ESDC), TIME AND MATERIALS	34	271	119	308	195	264	189	1,380	\$ 238,525	\$ 238,525	\$19,750	\$15,870	\$ 262,179