



**DCA**

DELTA CONVEYANCE DESIGN  
& CONSTRUCTION AUTHORITY

# Monthly Board Report

*This document is fully interactive; use menus to navigate on-screen.*

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SUMMARY OF  
WORK

**2**

STAKEHOLDER  
ENGAGEMENT

**3**

BUDGET

**4**

CONTRACTS

**5**

SCHEDULE



Agenda Item 7b

# NOVEMBER 2021

(ACTIVITIES IN OCTOBER)

# Section 1 | Work Performed (October 2021 Activities)

**Program Management.** The team continued to support implementation of the Program Management Information System.

- Continue processing invoices for FY21/22
- Continue processing of Task Orders and Purchase Orders for FY21/22
- Continue to work on closeout of FY20/21

**Administration.** The team continued to support Administrative functions including IT support, in-person and virtual meetings, Social Media content and updates, COVID response/preparedness.

- Supported Community Outreach Library Project
- Supported technical needs for Procurement activities
- Coordination of DCA Change Board meetings/actions
- DCA Website updates
- Pushed DCA updates via Social Media Outlets, created reminders about resource materials
- Created information videos about DCA formation, governance and work
- Activities for Board Room Hybrid Meeting project
- Assisted remote workforce

**Engineering.** The engineering team primarily focused on responding to questions and requests for information from the Delta Conveyance Office (DCO) environmental team and developing several technical memoranda (TMs) for the Central and Eastern Corridors (C/E) and the Bethany Reservoir Alternative.

- Developed responses to comments on C/E and Bethany Engineering Project Reports (EPRs); worked on revisions for new baseline version
- Provided documentation on climate change modeling inputs
- Continued flood runs and coordinated technical memorandum (TM) content with The Delta Conveyance Office (DCO).
- Reviewed shaft concepts against geotechnical data received end of September, confirmed feasibility based on new data, and continued to develop TMs and associated figures.
- Completed computational Fluid Dynamics (CFD) analysis confirming formed suction inlets (FSI) performance. Completed draft concept sketches and started developing TM.
- Initiated development of criteria materials for DCO workshop for ancillary buildings on C/E and Bethany pumping plant sites.
- Began addressing comments for final draft Facility Operations and Maintenance Spacing Requirements TM

- Completed initial analysis for wind/wave analysis for the Southern Forebay
- Prepared draft outline for reusable tunnel material (RTM) Management TM.
- Conducted internal review of Post Construction Land Reclamation Pilot Plan outlines.
- Prepare final draft of TM with Southern Forebay Overflow Flood impacts information to be submitted with baseline documents.
- Developed majority of Integrated Catchment Modelling (ICM) model of canals and control structures between Southern Forebay and Banks and Jones approach channel
- Met with DCO related to utility power modeling data requirements

**Field Work.** The field work team continued efforts to collect and evaluate Delta-wide subsurface conditions and validate parameters assumed during development of conceptual designs.

- Continued with Cone Penetration Test (CPT) and Standard Penetration Test (SPT) data analysis.
- Reviewed the Geotechnical Data Report (GDR).
- Added new data to Leapfrog database.
- Continued to support execution of Fall 2021 Investigation Program.
- Conducted biological and cultural surveys and biological monitoring for Fall 2021 Investigation Program.
- Compiled daily and monthly monitoring reports.



# Section 1 | One Month Look-Ahead (November 2021 Activities)

## Program Management

- The team will continue to support implementation of the Program Management Information System.
- Continue processing invoices for FY21/22
- Continue processing of Task Orders changes and Purchase Orders for FY21/22
- Prepare for final closeout of FY20/21 and finalization of unused funds amount. Develop final DCO Annual Report.

## Administration

- Continuing support to DCA office including all Administrative, Facility and IT functions
- Continuing support for DCA Board of Directors meetings, monthly report generation, SEC Meeting
- Continuing coordination of DCA Change Control Board meetings/actions
- Support for DCA Procurement Activities
- Continue to manage and coordinate content for Social Media outlets

## Engineering

- Continue preparation of C/E and Bethany EPR documents including narrative, TMs, and drawings.
- Continue to work on technical documentation of climate change data, and water temperature data.
- Continue to work on hydraulic analyses and coordinate TM content with DCO.
- Complete reconfigured South Delta Pumping Plant concept sketches and draft TM for QC and Consistency reviews.
- Develop draft TM describing facility criteria for all ancillary buildings on C/E and Bethany Pumping Plant sites.
- Complete DCO comment adjudication for Facility O&M spacing requirements for Pumping Plant and update TM.
- Initiate aqueduct leakage testing TM efforts.

- Provide response to DCO comments on CA Division of Safety of Dams (DSOD) Requirements TM.
- Complete internal review draft of wind/wave analysis and TM.
- Prepare draft of Post Construction Reclamation Pilot plans.
- Adjudicate DCO review comments to conformed steady-state model TM and submit final TM draft.
- Complete ICM model of South Delta conveyance between Southern Forebay and Banks and Jones. Develop model controls to simulate operation of control gate structures and perform hydraulic analysis. Initiate development of TM.
- Initiate development of response to utility power modeling data request from Ulteig.

## Field Work

- Continue development of 3-D geologic model.
- Prepare list for 2022 Investigation Program, including piezometers.
- Continue with CPT-SPT comparison.
- Continue to support execution of Fall 2021 Investigation Program.
- Conduct biological and cultural surveys and biological monitoring for Fall 2021 Investigation Program.
- Compile daily and monthly monitoring reports.

## Section 2 | Stakeholder Engagement



### DCA Social Media Updates

- The DCA Facebook page now has 1,300 followers
- The DCA YouTube channel now has 59 subscribers
- The latest video on YouTube, "What is the SEC?", has 179 views
- The YouTube virtual tours now have 996 total views

### Community Engagement

- DCA Staff continue to coordinate meetings with Delta communities to provide an overview of the current proposed project and an opportunity for question-and-answer sessions. Upcoming November meetings include:
  - Courtland Town Association Meeting – 11/09/2021
- Twenty Delta area libraries have a variety of informational materials and resources, including: updated map books, virtual tours, SEC agendas, and more. These materials are available in print and on flash drives. DCA has conducted training for Delta librarians, so they are able to better understand navigating the material.

### Upcoming SEC Meeting

**Date:** Wednesday, December 8, 2021

**Time:** 3 to 6 PM

**Location:** Online via Ring Central

#### Topics:

- Overall Review of Current Configurations
- 2022 Outreach and Engagement Plans

### SEC Meeting Calendar

- Future meetings are TBD

### SEC Meeting Materials & Updates

<https://www.dcdca.org/>

*\*Dates are subject to change, please continue to check the [dcdca.org](https://www.dcdca.org/) website for updates*

*Note: DCA will comply with public health recommendations regarding public meetings and COVID-19 response. Any meeting changes or cancellation will be communicated to members.*

# Section 3 | Budget

**Budget.** The FY21/22 DCA budget is \$23.5M. We are now currently forecasting an Estimate at Completion budget of about \$23.5M. The DCA has committed approximately \$17M (details in Table 2) and has incurred \$4.3M in expenditures

through September (details in Table 2). Actual and planned cash flow curves are shown in Figure 1.

**Table 1 | Monthly Budget Summary (FY 21/22)**

Category	Original Budget	Current Budget	Current Commitments	Incurred to Date	EAC	Variance
<b>Program Management Office</b>						
Executive Office	\$ 2,202,245	\$ 3,385,245	\$ 2,662,431	\$ 1,058,077	\$ 3,475,548	\$ 90,303
Community Engagement	775,305	775,305	513,305	104,967	775,305	-
Program Controls	1,472,640	1,472,640	1,472,640	453,483	1,472,640	-
Administration	2,568,238	2,635,238	2,632,196	839,295	2,544,935	(90,303)
Procurement and Contract Administration	74,112	74,112	74,112	26,523	74,112	-
Property	516,280	393,640	516,280	128,640	393,640	-
Permitting Management	560,534	560,534	560,534	130,180	560,534	-
Health and Safety	21,600	21,600	21,600	-	21,600	-
Quality Management	14,016	14,016	14,016	-	14,016	-
<b>Program Initiation Office</b>						
Engineering	7,617,456	8,490,096	7,617,450	1,422,091	8,490,096	-
Fieldwork	5,677,574	5,677,574	1,129,574	146,214	5,677,574	-
	<b>\$ 21,500,000</b>	<b>\$ 23,500,000</b>	<b>\$ 17,214,138</b>	<b>\$ 4,309,472</b>	<b>\$ 23,500,000</b>	<b>\$ -</b>

Note: The undefined allowance includes a \$500K cash advance from DWR to be used for prepayments that have short payment windows.

# Section 3 | Budget *continued*

**Table 2 | Budget Detail**

Work Breakdown Structure	Original Budget	Current Budget	Commitments	Pending Commitments	Actuals Received	Remaining Budget	% of Budget Remaining	Estimate At Completion	Variance (Surplus)/Deficit
<b>Delta Conveyance</b>	\$ 21,500,000	\$ 23,500,000	\$ 17,214,138	\$ -	\$ 4,309,472	\$ 19,190,528	18%	\$ 23,500,000	\$ -
<b>Executive Office</b>	2,202,245	3,385,245	2,662,431	-	1,058,077	2,327,168	31%	3,475,548	90,303
Management	87,884	1,272,884	1,267,880	-	386,925	885,959	30%	1,272,884	-
Legal	556,915	556,915	556,915	-	70,778	486,137	13%	556,915	-
Audit	30,000	30,000	0	-	0	30,000	0%	30,000	-
Treasury	254,726	254,726	249,916	-	91,261	163,465	36%	254,726	0
Human Resources	87,720	87,720	87,720	-	9,114	78,606	10%	87,720	-
Undefined Allowance	1,185,000	1,183,000	500,000	-	500,000	683,000	42%	1,273,303	90,303
<b>Community Engagement</b>	775,305	775,305	513,305	-	104,967	670,338	14%	775,305	-
Management	118,877	118,877	118,877	-	44,137	74,740	37%	118,877	-
Community Coordination	250,000	250,000	0	-	0	250,000	0%	250,000	-
Outreach	406,428	406,428	394,428	-	60,830	345,598	15%	406,428	-
<b>Program Controls</b>	1,472,640	1,472,640	1,472,640	-	453,483	1,019,157	31%	1,472,640	-
Management	387,840	387,840	387,840	-	101,055	286,785	26%	387,840	-
Cost Management	754,560	754,560	754,560	-	243,552	511,008	32%	754,560	-
Document Management	330,240	330,240	330,240	-	108,876	221,364	33%	330,240	-
<b>Administration</b>	2,568,238	2,635,238	2,632,196	-	839,295	1,795,943	32%	2,544,935	(90,303)
Management	641,280	641,280	641,280	-	215,740	425,540	34%	641,280	-
Facilities	1,283,297	1,285,297	1,391,190	-	512,628	772,669	40%	1,284,165	(1,132)
Information Technology	643,661	708,661	599,726	-	110,927	597,734	16%	619,489	(89,172)
<b>Procurement &amp; Contract Administration</b>	74,112	74,112	74,112	-	26,523	47,589	36%	74,112	-
Procurement Management	74,112	74,112	74,112	-	26,523	47,589	36%	74,112	-
<b>Property</b>	516,280	393,640	516,280	-	128,640	265,000	33%	393,640	-
Management	245,280	122,640	245,280	-	47,358	75,282	39%	122,640	-
Property Agents	150,000	150,000	150,000	-	56,283	93,717	38%	150,000	-
Temporary Entrance Permits	121,000	121,000	121,000	-	25,000	96,000	21%	121,000	-

## Section 3 | Budget *continued*

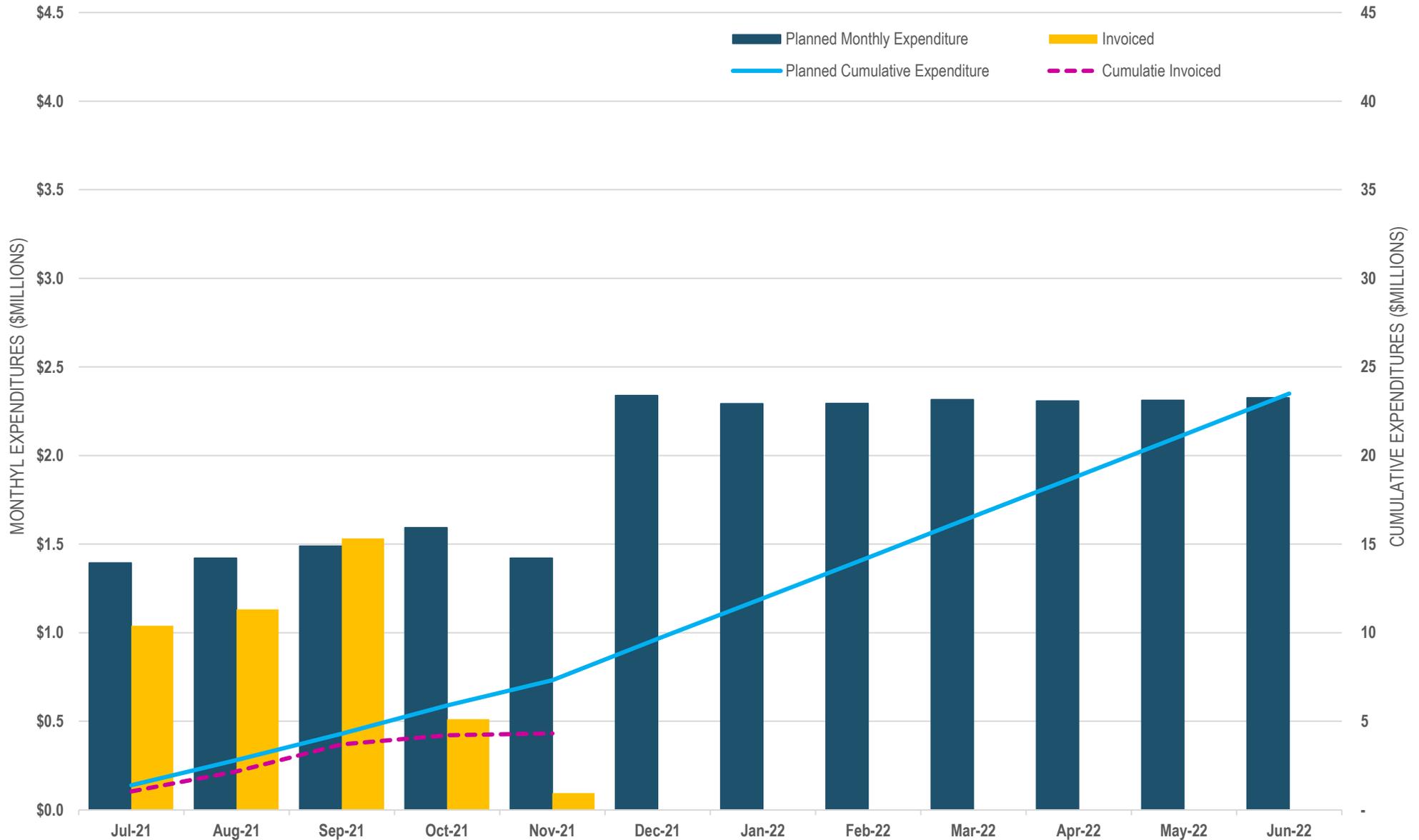
**Table 2 | Budget Detail**

Work Breakdown Structure	Original Budget	Current Budget	Commitments	Pending Commitments	Actuals Received	Remaining Budget	% of Budget Remaining	Estimate At Completion	Variance (Surplus)/Deficit
<b>Permitting Management</b>	<b>560,534</b>	<b>560,534</b>	<b>560,534</b>	-	<b>130,180</b>	<b>430,354</b>	<b>23%</b>	<b>560,534</b>	-
Management	560,534	560,534	560,534	-	130,180	430,354	23%	560,534	-
<b>Health &amp; Safety</b>	<b>21,600</b>	<b>21,600</b>	<b>21,600</b>	-	<b>0</b>	<b>21,600</b>	<b>0%</b>	<b>21,600</b>	-
Management	21,600	21,600	21,600	-	0	21,600	0%	21,600	-
<b>Quality Management</b>	<b>14,016</b>	<b>14,016</b>	<b>14,016</b>	-	<b>0</b>	<b>14,016</b>	<b>0%</b>	<b>14,016</b>	-
Management & Auditing	14,016	14,016	14,016	-	0	14,016	0%	14,016	-
<b>Engineering</b>	<b>7,617,456</b>	<b>8,490,096</b>	<b>7,617,450</b>	-	<b>1,422,091</b>	<b>7,068,005</b>	<b>17%</b>	<b>8,490,096</b>	-
Management & Administration	900,316	1,022,956	900,316	-	204,188	818,768	20%	1,022,956	-
Engineering Support	4,436,666	4,436,666	4,436,660	-	742,773	3,693,893	17%	4,436,666	-
Facility Studies	2,280,474	2,280,474	2,280,474	-	475,130	1,805,344	21%	2,280,474	-
Undefined Allowance	0	750,000	0	-	0	750,000	0%	750,000	-
<b>Fieldwork</b>	<b>5,677,574</b>	<b>5,677,574</b>	<b>1,129,574</b>	-	<b>146,214</b>	<b>5,531,360</b>	<b>3%</b>	<b>5,677,574</b>	-
Management	544,675	544,675	544,675	-	109,813	434,862	20%	544,675	-
Geotechnical Work	4,548,000	4,548,000	0	-	0	4,548,000	0%	4,548,000	-
Environmental Monitoring	584,899	584,899	584,899	-	36,402	548,498	6%	584,899	-

Note: The undefined allowance includes a \$500K cash advance from DWR to be used for prepayments that have short payment windows.

# Section 3 | Budget *continued*

Figure 1 | FY 21/22 Cash Flow



## Section 4 | Contracts

**Contracts.** Table 3 summarizes the status of all active commitments within the DCA for the current fiscal year. Any pending or approved commitment changes are summarized in Table 4. SBE/DVBE participation in major contracts is

summarized in Table 5. This was anticipated at this stage in the fiscal year. There is one active procurement for Geotechnical Exploration and Reporting Services, see Table 6.

**Table 3 | Contract Summary**

Contract Description	Commitment Amount	Pending Commitments	Invoiced to Date	Percent Invoiced
180006 - Jacobs Engineering Group	\$ 9,266,843	- \$	1,670,261	18%
180008 - Hamner, Jewell & Associates	\$ 20,000	- \$	3,742	19%
180009 - Bender Rosenthal, Inc.	\$ 120,000	- \$	50,956	42%
190005 - Management Partners	\$ 567,800	- \$	178,000	31%
190009 - Parsons	\$ 3,394,236	- \$	1,057,452	31%
190011 - GV/Hi Park Tower Owner, LLC	\$ 1,144,787	- \$	471,679	41%
190014 - Direct Technology	\$ 164,224	- \$	47,872	29%
190015 - Audio Visual Innovations, Inc.	\$ 128,648	- \$	8,540	7%
190016 - Consolidated Communications, Inc.	\$ 51,951	- \$	12,388	24%
190017 - AT&T	\$ 35,451	- \$	7,918	22%
190019 - VMACommunications, Inc.	\$ 282,400	- \$	29,500	10%
190021 - RingCentral	\$ 144,522	- \$	15,333	11%

## Section 4 | Contracts *continued*

**Table 3 | Contract Summary**

Contract Description	Commitment Amount	Pending Commitments	Invoiced to Date	Percent Invoiced
190022 - Caltronics Government Services	\$ 119,029	- \$	7,943	7%
190023 - JAMBO-Silvacom LTD	\$ 22,000	- \$	-	0%
190024 - Stakeholder Engagement Committee Stipened	\$ 17,000	- \$	3,250	19%
200003 - Best Best & Krieger	\$ 556,915	- \$	70,778	13%
200013 - Metropolitan Water District of S. California	\$ 312,512	- \$	65,705	21%
200014 - Dept of Water Resources	\$ 121,000	- \$	25,000	21%
210005 - Alliant Insurance	\$ 26,190	- \$	26,190	100%
210010 - Gwen Buchholz, Permit Engineer Inc	\$ 150,000	- \$	41,000	27%
210014 - Spark Street Digital	\$ 32,600	- \$	-	0%
- Agreements <\$15K	\$ 36,029	- \$	15,965	44%

**Table 4 | Commitment Changes**

There are no commitment changes to report this month.

# Section 4 | Contracts *continued*

**Table 5 | S/DVBE Status (FY 21/22)**

	Commitment Amount	Invoiced to Date	Percent Committed	Percent Invoiced
<b>Delta Conveyance</b>	\$ 17,214,138	\$ 4,309,472		
<b>SBE Participation</b>	1,726,909	492,685	10.0%	11.4%
<b>DVBE Participation</b>	\$ 170,000	\$ 74,938	1.0%	1.7%

Consultant	Curent Commitment	Percent of Total Commitment	Invoiced to Date	Percent Invoiced SBE/DVBE	SBE/DVBE Status
<b>Jacobs Engineering Group</b>	9,266,843	2.8%	1,206,683	10.3%	
Anchor	170,000	1.8%	74,938	6.2%	SBE/DVBE
EETS	10,000	0.1%	797	0.1%	SBE
JMA	10,000	0.1%	4,942	0.4%	SBE
JASpezia	25,000	0.3%	28,033	2.3%	SBE
Nazparv	45,000	0.5%	16,104	1.3%	SBE
<b>Parsons</b>	3,394,236	31%	642,679	55.2%	
Chaves	1,060,480	31%	354,888	55%	SBE
Associated Right of Way Services, Inc.	10,000	100%	1,584	100%	SBE
Caltronics Government Services	119,029	100%	6,190	100%	SBE
Hamner Jewell & Associates	20,000	100%	3,742	100%	SBE
VMA Communications	282,400	100%	29,500	100%	SBE

**Table 6 | Contract Procurement Summary**

WBS	Description	Contract Type	Planning/Estimated Value	Annual Budget (FY 2021/22)	Pending Contract Value	Anticipated Term	Procurement Method	Procurement Start	Target NTP Date	Status
<b>Field Work</b>										
Geotechnical	Geotechnical Exploration and Reporting Services	Professional Services	TBD	\$5,000,000	TBD	Up to 3 Years	RFQ - Most Qualified	Oct-21	Feb-22	In Progress

# Section 5 | Program Schedule

**Schedule.** The overall program for FY 21/22 is on schedule. The engineering team continues to press ahead with supporting the Environmental Team with environmental and permitting activities. The field work activities are continuing to move forward with a Fall 2021 Exploration Program in coordination with DCO, however will continue to lag somewhat due to on-going COVID-related delays with the Court Ordered Entry process.

