



DCA

DELTA CONVEYANCE DESIGN
& CONSTRUCTION AUTHORITY

FEBRUARY 2020 Monthly Board Report

(ACTIVITIES IN JANUARY)

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

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Section 1 | Executive Summary

Program Initiation. The program initiation team continues to focus on finalizing cost enabled business requirements and integrating priority procedures into our E-Builder Project Management Information System. Annual Budget preparation and Task Order Initiation business requirements were completed and configured in the system in the past month.

Engineering. The team continues to complete foundational studies regarding design criteria and alternative siting analyses of the proposed Delta Conveyance Project. Now that the NOP has been released, the focus is on siting facilities within the two proposed corridors and creating facility layouts during construction and the permanent facilities.

Field work has been delayed as we await the completion of the CEQA process for the geotechnical work and gain clarity on the permitting requirements for the program from the on-going litigation with the Delta Counties. In the meantime, we continue to analyze the existing data and enter validated data into our geologic model of the Delta.

Stakeholder Engagement. The DCA held its third Stakeholder Engagement Committee meeting in January where we presented an overview of the proposed Intakes including the results of siting studies, proposed layouts, screen technology alternatives and highlights of key construction effects. Meeting material and minutes from the SEC meetings are available on the DCA website.

Budget. The DCA has committed approximately \$72.8M of the Board approved budget of \$82M. Our current forecasted Estimate

at Completion for FY 2019/20 has remained at approximately \$49.2M. Delays in implementation of the Field Work program has significantly reduced our cost forecasts. We continue to remain well below the approved budget.

Schedule. The monthly schedule update continues to show the program running approximately six weeks behind schedule. The team began to ramp up engineering resources in January and are anticipating recovering time over the next two to three months.

Monthly Budget Summary (FY 2019/2020)

Category	Current Budget	Current Contingency	Current Commitments	Incurred To Date	EAC	Variance
Program Management	\$ 8,800,000	\$ 1,600,000	\$ 5,897,767	\$ 2,796,394	\$ 4,565,000	(4,235,000)
Project Controls	\$ 5,250,000	\$ 700,000	\$ 4,299,635	\$ 2,278,882	\$ 4,175,000	(1,075,000)
Stakeholder Engagement	\$ 4,700,000	\$ 700,000	\$ 4,884,926	\$ 1,200,594	\$ 1,800,000	(2,900,000)
Administration	\$ 6,930,000	\$ 1,500,000	\$ 5,629,173	\$ 3,471,580	\$ 6,110,000	(820,000)
Engineering	\$ 31,800,000	\$ 5,800,000	\$ 29,500,684	\$ 7,298,472	\$ 23,285,000	(8,515,000)
Field Work	\$ 21,460,000	\$ 4,900,000	\$ 21,423,155	\$ 1,330,977	\$ 7,200,000	(14,260,000)
Property Access and Acquisition	\$ 3,060,000	\$ 600,000	\$ 1,132,659	\$ 172,390	\$ 2,040,000	(1,020,000)
	\$ 82,000,000	\$ 15,800,000	\$ 72,767,999	\$ 18,549,290	\$ 49,175,000	\$ (32,825,000)

Section 2 | Engineering & Field Work

The engineering team is continuing to complete various Technical Memorandum that describe the engineering design criteria, analyses and alternatives that will inform the Engineering Design Report that will be submitted to DWR for inclusion in the Draft EIS document.

The field work teams continue to screen and digitize available historic data across the Delta to supplement the project data. The comprehensive soils data will enhance potential future development of a model of subsurface conditions. Geotechnical Consultant, Right of Way Consultants and Surveying Consultants remain on pause

General Work

Completed

- Draft Intake Screen Sizing TM

Look Ahead – Next Month

- Draft TBM Tunneling Evaluations
- Draft Forebay Embankment Conceptual Design Criteria TM
- Draft Tunnels Key Features Summary
- Draft Tunnel Construction Power TM
- Draft Conceptual Tunnel Lining Evaluation
- Draft Shaft Options and Site Layout
- Draft Systemwide Hydraulic and Capacity Study TM
- Draft Hydraulics Design Criteria TM
- Draft Summary of Historical Studies
- Draft Pre-Cast Yard Study
- Draft South Delta Conveyance and Intake O&M Facility Requirements preliminary data

Field Work

Completed

- GeoBIM Selection Procedure and Final Recommendation

Look Ahead – Next Month

- Preparation of Geostatistical Analysis, GeoBIM, Evaluation, and Interpretive Report

Section 3 | Stakeholder Engagement

At the February 12th Meeting the Stakeholder Engagement Meeting members were provided presentation materials regarding the basics of tunnel driving and launch shaft siting. Below are the specific discussion topics covered:

Launch Shafts:

The engineering team presented maps and information identifying zones within the Central and Eastern Corridors where launch shafts could be located based on acceptable drive lengths.

Site Ranking Criteria and Results:

DCA created an evaluation system to rank feasible sites within each of these zones, with access logistics and truck traffic sensitivities as primary considerations. Engineers shared information illustrating the ranking of 250-acre areas as more favorable, acceptable, or less favorable for launch shaft siting. Engineers also shared the methodology for determining the rankings and solicited input from SEC members on both the methodology and the results. The DCA has evaluated sites based on engineering considerations while DWR will evaluate sites based on environmental analysis in the CEQA process.

Considerations for SEC:

DCA solicited input regarding the ranking methodology and results. SEC members are encouraged to discuss with their communities and report feedback at the next SEC meeting roundtable. DWR staff encouraged SEC members and audience to provide thoughts on impacts and alternatives through DWR's scoping process since comments made in the SEC meetings are not specifically tracked as part of DWR's CEQA process.



Upcoming SEC Meeting

Date: February 26, 2020

Time: 3 to 6 PM

Location: Belle Vie Vineyard

Topics:

- Feedback on Launch Shaft Siting
- Introduction to Retrieval and Maintenance Shafts

SEC Meeting Calendar

- March 11, 2020
- March 25, 2020
- April 8, 2020 (if needed)
- April 22, 2020
- May 13, 2020 (if needed)
- May 27, 2020

SEC Meeting Materials & Updates

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

Section 4 | Program Management/Administration

Program Management/Project Controls

The program management team continues to work on finalizing policies and procedures and expanding the Program Management Information System to include processes for budget management, cost management, and procurement management plans.

Program Controls continues to manage and track costs including budget, commitments, invoicing and payments. We are working on developing a 3-year schedule and budget for the program to take us through the environmental planning phase.

Key Accomplishments

- E-Builder Configuration on 8 new business processes for budget, cost and procurement management are under way.
- The controls team processed and submitted 8 invoices to DWR for approval and payment.

Administration

The team has successfully opened the 23rd & 24th floors of the new DCA Headquarters located at 980 9th Street. The team is now focused on fine-tuning operations.

Information Technology is collaborating with AP42 for the DCA website revamp.

Key Accomplishments

- Opened new DCA Headquarters 24th Floor
- Kicked off AP42 services to design and implement new DCA website
- Management of buildout, design, furniture and vendors for 1st and 23rd floor at 980 9th Street;
- Go-live for Ring Central meetings software

Section 5 | Budget

Budget Summary

Budget Forecast FY 2019/20. The DCA has committed approximately \$72.8M of the original budgeted \$82M excluding Contingency. Our current estimate at completion (EAC) of the current Fiscal Year is \$49.2M which is \$33M below our original approved budget exclusive of our contingency budget. See pages 6-7.

Budget Change Requests. During the reporting period, there was no budget changes this month.

Planned Cash Flow. The DCA continues to forecast approximately \$52M in expenditure through the end of the Fiscal Year, including May and June of the previous Fiscal Year (Planned Period Restart). Our current cost forecast indicates that we will exceed our existing funding levels in the February to March 2020 timeframe based on earned value (work completed). See page 8.

Budget Detail

WBS	Fiscal Year	Original Budget	Current Budget	Contingency	Commitments	Pending Commitments	Incurred to Date	% Spent	Remaining Budget	% Rem	EAC	Variance
Delta Conveyance	2019/2020	\$ 97,800,000	\$ 82,000,000	\$ 15,800,000	\$ 72,767,999	\$ -	\$ 18,549,290	23%	\$ 63,450,710	77%	\$ 49,175,000	\$ (32,825,000)
Program Management	2019/2020	\$ 10,400,000	\$ 8,800,000	\$ 1,600,000	\$ 5,897,767	\$ -	\$ 2,796,394	32%	\$ 6,003,606	68%	\$ 4,565,000	\$ (4,235,000)
Executive Management	2019/2020	2,000,000	2,000,000	-	1,792,364	-	674,896	34%	1,325,104	66%	1,800,000	(200,000)
Legal Counsel	2019/2020	3,020,000	2,970,000	-	550,000	-	330,597	11%	2,639,403	89%	720,000	(2,250,000)
Audit	2019/2020	100,000	100,000	-	-	-	-	0%	100,000	100%	50,000	(50,000)
Treasury	2019/2020	160,000	160,000	-	153,046	-	121,233	76%	38,767	24%	160,000	-
Health & Safety	2019/2020	100,000	100,000	-	-	-	-	0%	100,000	100%	25,000	(75,000)
Quality	2019/2020	750,000	750,000	-	750,000	-	-	0%	750,000	100%	250,000	(500,000)
Program Initiation	2019/2020	2,130,000	2,180,000	-	2,115,306	-	1,569,938	72%	610,062	28%	1,460,000	(720,000)
Sustainability	2019/2020	540,000	540,000	-	537,052	-	99,730	18%	440,270	82%	100,000	(440,000)
Contingency	2019/2020	1,600,000	-	1,600,000	-	-	-	0%	-	-	-	-
Program Controls	2019/2020	\$ 5,950,000	\$ 5,250,000	\$ 700,000	\$ 4,299,635	\$ -	\$ 2,278,882	43%	\$ 2,971,118	57%	\$ 4,175,000	\$ (1,075,000)
Cost, Schedule and Document Control	2019/2020	3,950,000	3,950,000	-	3,783,822	-	1,856,523	47%	2,093,477	53%	3,500,000	(450,000)
Procurement	2019/2020	1,020,000	1,020,000	-	287,259	-	191,868	19%	828,132	81%	325,000	(695,000)
Risk Management	2019/2020	280,000	280,000	-	228,553	-	230,490	82%	49,510	18%	350,000	70,000
Contingency	2019/2020	700,000	-	700,000	-	-	-	0%	-	0%	-	-
Stakeholder Engagement	2019/2020	\$ 5,400,000	\$ 4,700,000	\$ 700,000	\$ 4,884,926	\$ -	\$ 1,200,594	26%	\$ 3,499,406	74%	\$ 1,800,000	\$ (2,900,000)
Engineering Coordination	2019/2020	1,497,000	1,497,000	-	1,496,447	-	359,424	24%	1,137,576	100%	800,000	(697,000)
Outreach	2019/2020	2,173,000	1,923,000	-	1,931,929	-	748,813	39%	1,174,187	61%	500,000	(1,423,000)

Section 5 | Budget *continued*

Budget Detail

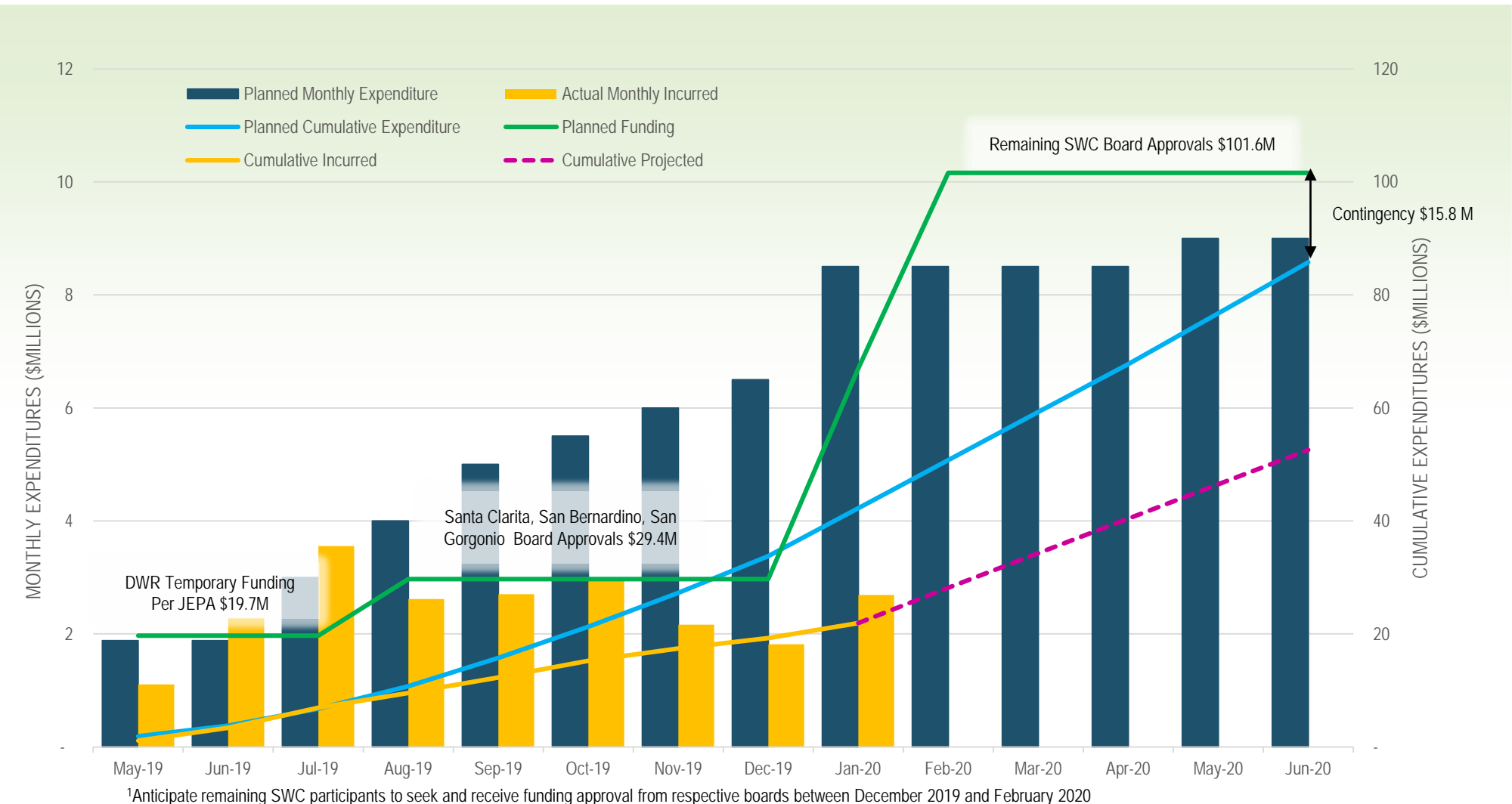
WBS	Fiscal Year	Original Budget	Current Budget	Contingency	Commitments	Pending Commitments	Incurred to Date	% Spent	Remaining Budget	% Rem	EAC	Variance
Stakeholder Engagement	2019/2020	\$ 5,400,000	\$ 4,700,000	\$ 700,000	\$ 4,884,926	\$ -	\$ 1,200,594	26%	\$ 3,499,406	74%	\$ 1,800,000	\$ (2,900,000)
Committee Management	2019/2020	-	250,000	-	428,112	-	92,357	37%	157,643	63%	500,000	250,000
Economic Development	2019/2020	1,030,000	1,030,000	-	1,028,438	-	-	0%	1,030,000	100%	-	(1,030,000)
Contingency	2019/2020	700,000	-	700,000	-	-	-	0%	-	0%	-	-
Administration	2019/2020	\$ 8,430,000	\$ 6,930,000	\$ 1,500,000	\$ 5,629,173	\$ -	\$ 3,471,580	50%	\$ 3,458,420	50%	\$ 6,110,000	\$ (820,000)
Facilities & Operations	2019/2020	3,800,000	3,800,000	-	2,972,543	-	2,166,399	57%	1,633,601	43%	3,800,000	-
Human Resources	2019/2020	650,000	650,000	-	210,000	-	84,234	13%	565,766	87%	210,000	(440,000)
Information Technology	2019/2020	2,480,000	2,480,000	-	2,446,630	-	1,220,947	49%	1,259,053	51%	2,100,000	(380,000)
Contingency	2019/2020	1,500,000	-	1,500,000	-	-	-	0%	-	-	-	-
Engineering	2019/2020	\$ 37,600,000	\$ 31,800,000	\$ 5,800,000	\$ 29,500,684	\$ -	\$ 7,298,472	23%	\$ 24,501,528	77%	\$ 23,285,000	\$ (8,515,000)
Engineering Management	2019/2020	2,900,000	2,300,000	-	600,000	-	144,513	6%	2,155,487	94%	825,000	(1,475,000)
Engineering	2019/2020	27,900,000	27,900,000	-	27,883,774	-	6,823,731	24%	21,076,269	76%	21,460,000	(6,440,000)
DWR Engineering Coordination	2019/2020	-	600,000	-	-	-	-	0%	600,000	100%	-	(600,000)
Environmental Coordination	2019/2020	1,000,000	1,000,000	-	1,016,910	-	330,228	33%	669,772	67%	1,000,000	-
Contingency	2019/2020	5,800,000	-	5,800,000	-	-	-	0%	-	0%	-	-
Field Work	2019/2020	\$ 26,360,000	\$ 21,460,000	\$ 4,900,000	\$ 21,423,155	\$ -	\$ 1,330,977	6%	\$ 20,129,023	94%	\$ 7,200,000	\$ (14,260,000)
Geotech	2019/2020	20,440,000	20,440,000	-	20,435,957	-	1,233,736	6%	19,206,264	94%	7,100,000	(13,340,000)
Survey	2019/2020	1,020,000	1,020,000	-	987,198	-	97,241	10%	922,759	90%	100,000	(920,000)
Contingency	2019/2020	4,900,000	-	4,900,000	-	-	-	0%	-	0%	-	-
Property Access & Acquisition	2019/2020	\$ 3,660,000	\$ 3,060,000	\$ 600,000	\$ 1,132,659	\$ -	\$ 172,390	6%	\$ 2,887,610	94%	\$ 2,040,000	\$ (1,020,000)
Property Access Management	2019/2020	360,000	360,000	-	358,659	-	121,879	34%	238,121	66%	540,000	180,000
Easements	2019/2020	1,700,000	1,700,000	-	-	-	-	0%	1,700,000	100%	750,000	(950,000)
Temporary Access	2019/2020	1,000,000	1,000,000	-	774,000	-	50,512	5%	949,488	95%	750,000	(250,000)
Land Purchases	2019/2020	-	-	-	-	-	-	0%	-	100%	-	-
Contingency	2019/2020	600,000	-	600,000	-	-	-	0%	-	0%	-	-

Section 5 | Budget *continued*

Budget Change

No budget changes to be reported this month.

DCA FY18/19 May & June + FY19/20 Planned Cash Flow



¹Anticipate remaining SWC participants to seek and receive funding approval from respective boards between December 2019 and February 2020

Section 6 | Contracts

Contract Summary. The table on pages 9-11 summarize the status of all executed contracts and task orders to date.

New Commitments. DCA executed three (3) new commitments during the reporting period: AP42 for \$131,000 in FYE 19-20 providing graphic support services; Matchware (Meeting Booster) for \$23,562 for meeting management and action tracking software services; and Foliata for NTE \$16,640 for office plant services.

Procurement. The DCA has no pending commitments this month. See page 12.

S/DVBE Participation. The program has committed approximately 10% of the total contract values for FY 2019/20 to S/DVBEs. Based on actual incurred costs for the current Fiscal Year, 3% has been paid to our S/DVBE contractors and subcontractors. See page 13.

Contract Summary

Contracts	Contract Budget	Contingency	Historical Expenditures	Commitments FY19/20	Pending Commitments	Total Committed to Date	Incurred to Date FY19/20	% Spent FY19/20
180001 Best Best & Krieger LLP	\$ 900,000	\$ -	\$ 343,992	\$ 550,000		\$ 893,992	\$ 330,597	60%
180002 Management Partners	\$ 375,000	\$ -	\$ 192,315	\$ 192,315		\$ 384,630	\$ -	0%
180005 e-Builder	\$ 855,633	\$ -	\$ 305,891	\$ 113,000		\$ 418,891	\$ 112,833	100%
180006 Jacobs	\$ 93,000,000	\$ 17,000,000	\$ 4,221,224	\$ 38,615,750		\$ 42,836,974	\$ 9,909,373	26%
180007 Fugro	\$ 75,000,000	\$ -	\$ 1,055,699	\$ 18,786,567		\$ 19,842,267	\$ 881,992	5%
180008 Hamner Jewell Associates	\$ 9,000,000	\$ -		\$ 250,000		\$ 250,000	\$ 20,088	8%
180009 Bender Rosenthal	\$ 9,000,000	\$ -		\$ 274,000		\$ 274,000	\$ 13,944	5%
180010 Associated ROW Services	\$ 9,000,000	\$ -		\$ 250,000		\$ 250,000	\$ 16,479	7%
180011 Michael Baker	\$ 8,000,000	\$ -		\$ 180,000		\$ 180,000	\$ 3,735	2%
180013 Psomas	\$ 15,000,000	\$ -		\$ 475,000		\$ 475,000	\$ 1,563	0.3%
180014 CDMSmith	\$ 74,999	\$ -	\$ 34,696	\$ -		\$ 34,696	\$ -	0%
180015 AECOM	\$ 15,000	\$ -	\$ 12,579	\$ -		\$ 12,579	\$ -	0%

Section 6 | Contracts *continued*

Contract Summary *continued*

Contracts	Contract Budget	Contingency	Historical Expenditures	Commitments FY19/20	Pending Commitments	Total Committed to Date	Incurred to Date FY19/20	% Spent FY19/20
180016 PlanNet	\$ 77,894	\$ -	\$ 77,894	\$ 9,105		\$ 86,999	\$ 8,619	95%
180017 Sextant	\$ 74,999	\$ -	\$ 21,889	\$ 53,110		\$ 74,999	\$ 38,397	72%
190001 Bentley Systems ProjectWise	\$ 140,860	\$ -	\$ 100,000	\$ 40,850		\$ 140,850	\$ 25,625	63%
190003 Ron Rakich Consulting	\$ 6,000	\$ -	\$ 5,831	\$ -		\$ 5,831		
190005 Management Partners	\$ 3,135,000	\$ -	\$ 156,755	\$ 627,000		\$ 783,755	\$ 332,353	53%
190008 RMW Architecture & Interiors	\$ 30,594	\$ -		\$ 30,594		\$ 30,594	\$ 30,594	100%
190009 Parsons	\$ 36,000,000	\$ 4,000,000	\$ 474,133	\$ 5,820,392		\$ 6,294,524	\$ 3,082,723	53%
190010 Porter Consulting LLC	\$ 51,150	\$ -		\$ 51,150		\$ 51,150	\$ 28,710	56%
190011 GV/ HI Park Tower	\$ 8,122,584	\$ -		1,596,124.32		1,596,124.32	1,592,699.60	1.00
190013 Jacqueline Blakeley LLC	\$ 25,000	\$ -		\$ 25,000		\$ 25,000	\$ 8,500	34%
190014 Direct Technology Gov Solutions	\$ 1,840,000	\$ -		\$ 756,482		\$ 756,482	\$ 572,013	76%
190015 Audio Visual Innovations, Inc.	\$ 310,000	\$ -		\$ 310,000		\$ 310,000	\$ 156,485	50%
190016 Consolidatd Communications	\$ 108,072	\$ -		\$ 21,014		\$ 21,014	\$ -	0%
190017 ATT	\$ 70,380	\$ -		\$ 18,192		\$ 18,192	\$ -	0%

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Section 6 | Contracts *continued*

Contract Summary *continued*

Contracts	Contract Budget	Contingency	Historical Expenditures	Commitments FY19/20	Pending Commitments	Total Committed to Date	Incurred to Date FY19/20	% Spent FY19/20
190018 AP42	\$ 700,000	\$ -		\$ 131,100		\$ 131,100	\$ 12,030	9%
190019 VMA	\$ 1,200,000	\$ -		\$ 391,565		\$ 391,565	\$ 73,362	19%
190020 Miles Treaster & Associates	\$ 700,007	\$ -		\$ 700,007		\$ 700,007	\$ 280,003	40%
190021 Ring Central	\$ 216,932	\$ -		\$ 23,586		\$ 23,586	\$ 3,641	15%
190022 Caltronics Business	\$ 166,671	\$ -		\$ 32,051		\$ 32,051	\$ -	0%
190023 Jambo	\$ 69,840	\$ -		\$ 34,920		\$ 34,920	\$ 34,920	100%
190025-Sierra Valley Moving & Storage	\$ 4,616	\$ -		\$ 4,616		\$ 4,616	\$ -	0%
190026-Meeting Booster	\$ 23,562	\$ -		\$ 7,854		\$ 7,854	\$ 7,854	100%
200001-Foliate	\$ 16,640	\$ -		\$ 16,640			\$ 2,012	12%
07252018 Hallmark Group	\$ 1,531,360	\$ -	\$ 1,517,583	\$ -		\$ 1,517,583	\$ -	0%
Department of Water Resources	\$ 3,294,035	\$ -	\$ 3,294,035	\$ 125,413		\$ 3,419,448	\$ 125,413	100%
AO5218 Metropolitan Water District	\$ 1,660,048	\$ -	\$ 1,660,048	\$ 2,055,000		\$ 3,715,048	\$ 710,549	35%
Miscellaneous Vendors	\$ 331,004	\$ -	\$ 131,402	\$ 199,602		\$ 331,004	\$ 132,181	66%

Section 6 | Contracts *continued*

Contract Procurement

WBS	Description	Contract Type	Company	Pending Contract Value	Pending Commitment (FY2019/20)	Procurement Method	Procurement Start	Status
Program Management								
Legal	General Counsel Services	Professional Services				RFO - Best Value	Jan-20	RFO Issued
Human Resources	Payroll Services	Software and Services				Direct Purchase - Existing Agency Contract Price List	Dec-19	Under Analysis
Contract Procurement & Admin.								
Program Controls								
Risk Mgmt.	Risk Register & Risk Analysis	Software as a Service				RFP - Best Value	Dec-19	Under Analysis
eDiscovery	eDiscover & Legal Records Mgmt.	Software as a Service					Mar-20	Not Started
IT Administration								
IT - New Building								
Information Technology	Laptops/docking stations	Material + Installation	Under Analysis			Direct Purchase	Apr-20	In Progress
Information Technology	Monitors	Material + Installation	Under Analysis			Direct Purchase	Apr-20	In Progress
Information Technology	Ancillary devices - keyboards, headsets, webcams	Material + Installation	Under Analysis			Direct Purchase	Dec-19	In Progress
Facilities and Operations	Small Form Factor PC's (Conference Rooms)	Materials + Installation	AVI-SPL			AVI Purchase	Dec-19	In Progress
Facilities and Operations	Beverage Supply Service	On Premise Service	Under Analysis			Executive Director's discretion - Best Value	Jan-20	In Progress

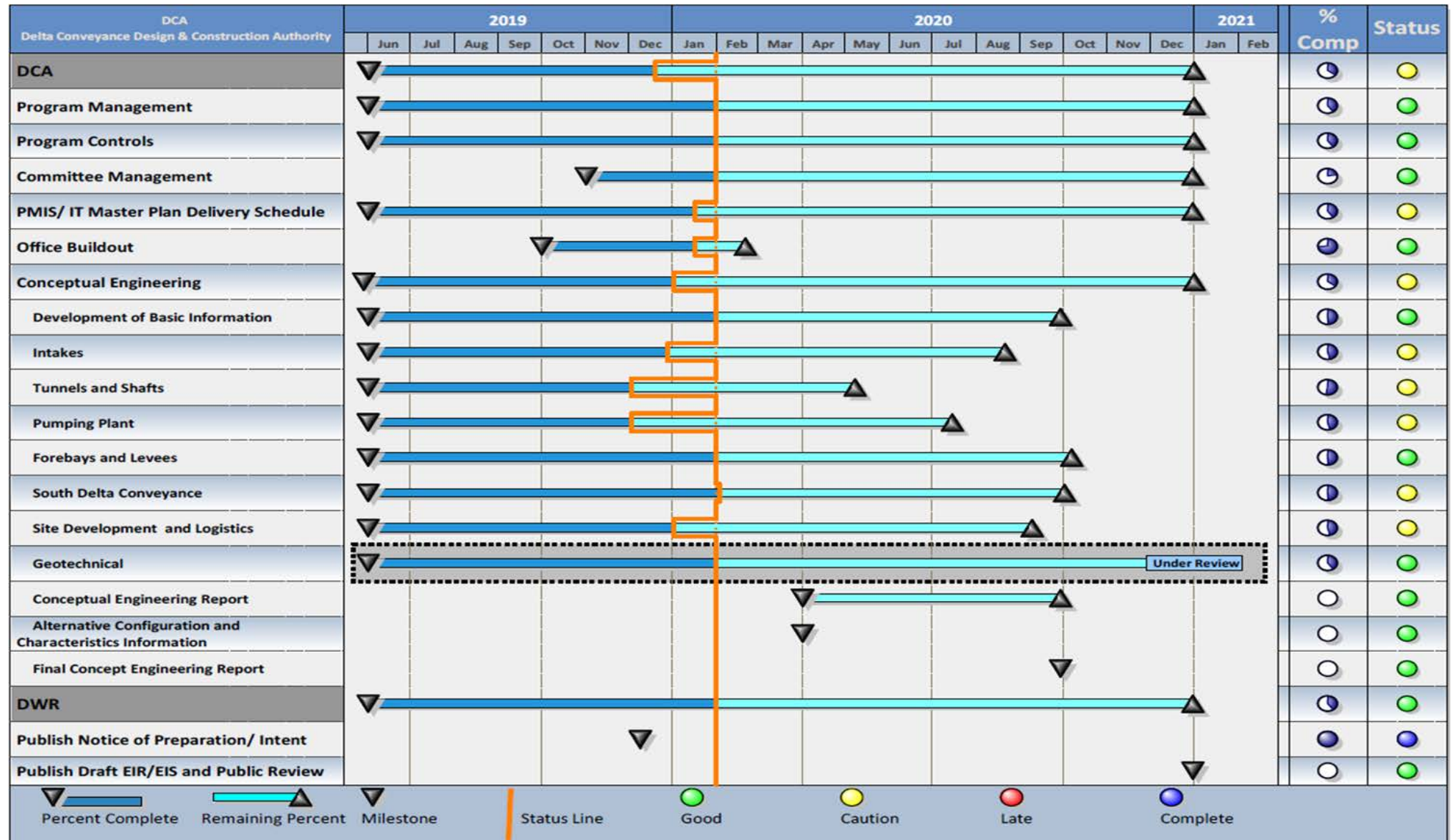
Section 6 | Contracts *Continued*

S/DVBE Status FY 2019/20

Contract/Prime	Prime	Committed	Incurred	Firm Name	SBE / DVBE	SBE/DVBE Committed	% SBE/DVBE Committed	SBE/DVBE Incurred	% SBE/DVBE Incurred
180006-02	Jacobs	\$ 38,615,750	\$ 9,909,372			\$ 2,467,143	6%	\$ 429,275	4%
				AnchorCM	DVBE	785,652		64,060	
				Babendererde	SBE	24,986		30,842	
				EETS, Inc.	SBE	471,957		29,766	
				JMA Civil, Inc.	SBE	125,110		59,470	
				Kearns & West, Inc.	SBE	35,213		35,213	
				Lettis Consulting Internatio	SBE	416,791		-	
				Nazparv Consulting LLC	SBE	325,600		127,124	
				Wiseman Consulting	SBE	281,834		82,800	
180007-02&03	Fugro	\$ 18,934,723	\$ 1,010,445			\$ 2,772,364	15%		0%
				Dillard Environmental Servi	SBE	408,744		-	
				GeoTech Utility	SBE	121,500		-	
				The LeBaugh Group	SBE	2,242,120		-	
190022-00	Caltronics	\$ 32,051	\$ -	Caltronics Government Services		\$ 32,051		\$ -	0%
190009-02	Parsons	\$ 5,823,296	\$ 3,083,656			\$ 923,851	16%	\$ 132,438	4%
				Chaves & Associates	SBE	923,851		132,438	
190019-01	VMA	\$ 391,695	\$ 73,362	VMA Communications	SBE	\$ 391,695		\$ 73,362	100%

Section 7 | Schedule

The program continues to run six weeks behind schedule based on deliverable status. The engineering team is ramping up their resources and expected to recover the time in the upcoming 2 months to maintain our April 1 Milestone for "Alternative Configuration and Characteristics Information".



Section 8 | Risk *(Note: Same as November Report - Updated Quarterly)*

Risk Summary

Risk management is a critical component in the overall delivery of the Delta Conveyance Program. In September through November, the DCA Risk Manager completed two rounds of workshops with each of the technical leads to first, identify the primary risks within their respective technical areas, and secondly, identify mitigation measures to reduce risks. The results of the process are summarized in the chart and table to the right.

Overall, the team identified 144 risks distributed in 10 different technical risk categories. The area with the most identified risk was the Construction Logistics category with 36 identified risks and a composite Pre-Mitigated risk score of 300. During the risk mitigation workshops, measures to reduce risk were identified for all medium and high impact risks. The composite risk score was then re-calculated accounting for the mitigation measures ("Post-Mitigated"). Overall, the team was able to reduce the risk profile by between 26% to 77% in the various categories for an overall risk reduction of 50%.

The total number of "high" risks were reduced from 40 to 10 and the number of "medium" risks from 48 down to 30 with the mitigation efforts.

During the Conceptual Engineering phase, the DCA Risk team will be performing formal updates to the Risk Profile semi-annually. In the meantime, the engineering team will continue to identify risks for entry in the risk register.

No.	Risk Category	# Risks	Total Pre-Mitigation Score	Total Post-Mitigation Score	% Reduction From Mitigation
1	Tunnels & Shafts	22	155	84.5	45%
2	Intakes	21	144.5	106.5	26%
3	Pumps	6	64	41	36%
4	Levees & Forebays	8	64.5	15	77%
5	South Delta Conveyance	10	44	26	41%
6	Safety	10	123.5	42	66%
7	Construction Logistics	36	300	121	60%
8	Right-of-Way	8	107	43	60%
9	Geotechnical	14	226.5	120.5	47%
11	Contracting & Market Conditions	9	145	90	38%
Totals		144	1374	689.5	50%

