

AGREEMENT       AMENDMENT       BOARD REPORT FOR PRE-APPROVAL

Vendor Name: **McMillen Jabobs Associates**

Title/Brief Description of Document: **Amendment No. 1**

Originating Dept.: **Water Resources Agency** Dept. Contact WITH Phone #: **Jessell Fenley, Ext: 4896**

This Agreement or Amendment requires Board Approval: Yes  No

This Agreement requires an MYA: Yes  No

**AGREEMENT TYPE**

<input checked="" type="checkbox"/>	RQNSA – Standard Agreement	<input type="checkbox"/>	RQNNS – Non-Standard Agreement
<input type="checkbox"/>	RQNIT – ITD Standard Agreement	<input type="checkbox"/>	RQNIN – ITD Non-Standard Agreement
<input type="checkbox"/>	RQNPB – Pre-Board Standard Agreement	<input type="checkbox"/>	Non-Standard Board Agreement (Not to be tracked within RQN)
<input checked="" type="checkbox"/>	Insurance & Endorsement Current	<input type="checkbox"/>	VDR & Non-Resident State Forms Verified

**ROUTING AND APPROVALS\***

*Each Approving Authority is requested to forward the Service Contract to the next Approving Authority in the order listed herein. Thank you.*

	Approving Authority:	Approval Initials	Comments:	Date Reviewed
1st	ITD(for all ITD related contracts)			
2nd	County Counsel (required)	<i>FLD</i>		<i>8/29/18</i>
3rd	Risk Management (non-standard insurance and/or indemnity provisions)		Not Applicable	
4th	Auditor-Controller (required)	<i>[Signature]</i>		<i>8/29/18</i>
5th	Contracts/Purchasing (required)		Please forward to CAO Office Juan Lopez. Thank you	<i>8/30/18</i>
	Return to Originating Department Instructions		Jessell Fenley – ext: 4896 Thank you.	

\* In the event that one of the approving authorities has an issue with the document and will not sign, the document shall be returned immediately to the originating department's key contact person identified herein along with a brief written explanation regarding the issue. Once that issue is corrected, the originating department shall restart the routing process again from the beginning by resubmitting the document through the approval process. The original Routing Form should be included for reference.

MYA #: \* \_\_\_\_\_

**AMENDMENT No. 1 TO AGREEMENT BY AND BETWEEN  
MONTEREY COUNTY WATER RESOURCES AGENCY &  
McMILLEN JACOBS ASSOCIATES**

**THIS AMENDMENT No. 1** is made to the PROFESSIONAL SERVICES AGREEMENT (AGREEMENT) for the provision of preliminary engineering and design services for the Inter Lake Tunnel and San Antonio Spillway Modification by and between **McMillen Jacobs Associates**, hereinafter “CONTRACTOR”, and the Monterey County Water Resources, a California flood control and water resources agency, hereinafter referred to as “Agency”, dated March 16, 2017.

**WHEREAS**, the Agency and CONTRACTOR wish to modify and adjust the scope of work to provide a Subsurface Investigation of the San Antonio Dam and Additional Geotechnical Borings for the Interlake Tunnel and to fund this modified scope by deleting or adjusting other budgeted scope of services in the AGREEMENT; and

**WHEREAS**, the overall budget for the Agreement after this Amendment No. 1 will remain the same as before this Amendment No. 1; and

**WHEREAS**, all of the tasks called for by the Agreement, as modified and adjusted by this Amendment No. 1, are reflected in a new Exhibit B (San Antonio Spillway Final Design), as described below.

**NOW THEREFORE**, the Agency and CONTRACTOR hereby agree to amend the AGREEMENT in the following manner:

Section 1. Section 1.1 of the Agreement is amended by the following items at the end of the list of documents:

Amendment No. 1 to Agreement by and between Monterey County Water Resources Agency and McMillen Jacobs Associates - Exhibit Amendment 1.

Section 2. Exhibit B to the Agreement is superseded by EXHIBIT B-1 - PAYMENT FOR SERVICES – (As modified and amended by Amendment No. 1 to the Agreement). A copy of Exhibit B-1 is attached to this Amendment No. 1.

Section 3. Except as provided herein, all remaining terms, conditions and provisions of the AGREEMENT are unchanged and unaffected by this AMENDMENT No. 1 and shall continue in full force and effect as set forth in the AGREEMENT.

A copy of this AMENDMENT No. 1, together with Exhibit B-1, shall be attached to the original AGREEMENT dated March 16, 2017.

*This space left blank intentionally*

IN WITNESS WHEREOF, the parties have executed this AMENDMENT No. 1 on the last day and year written below.

MONTEREY COUNTY  
WATER RESOURCES AGENCY

CONTRACTOR

By: David E. Chardavoigne  
General Manager

By: Maura McMillen  
Signature of Chair, President, or  
Vice-President

Dated: 30 August 2018

Maura McMillen, President  
Printed Name and Title

Approved as to Fiscal Provisions:

Dated: August 15, 2018

[Signature]  
Deputy Auditor/Controller  
CP analyst  
Dated: 8/20/18      3/29/18

By: [Signature]  
(Signature of Secretary, Asst. Secretary, CFO,  
Treasurer or Asst. Treasurer) \*

Approved as to Liability Provisions:

Morton D. McMillen, Executive Sr VP  
Printed Name and Title

Risk Management

Dated: August 15, 2018

Dated:

Approved as to Form:

[Signature]  
Deputy County Counsel  
Dated: 8/29/18

\*INSTRUCTIONS: If CONTRACTOR is a corporation, including limited liability and non-profit corporations, the full legal name of the corporation shall be set forth above together with the signatures of two specified officers. If CONTRACTOR is a partnership, the name of the partnership shall be set forth above together with the signature of a partner who has authority to execute this Agreement on behalf of the partnership. If CONTRACTOR is contracting in an individual capacity, the individual shall set forth the name of the business, if any, and shall personally sign the Agreement.



ATTACHMENT:

**EXHIBIT B-1 - PAYMENT FOR SERVICES – (As modified and amended by Amendment No. 1 to the Agreement)**Project: **Interlake Tunnel Final Design**

Task	Description	Total Amount
<b>1 Project Management and Team Coordination</b>		
1.1	Prepare project work plan	\$7,520
1.2	Establish and maintain budget and schedule control measures	\$19,040
1.3	Develop & monthly design & bidding phase project schedule updates	\$18,080
1.4	Develop planning level construction phase schedule	\$15,120
1.5	Develop & monthly updates of project capital cost estimate	\$34,440
1.6	Monthly progress reporting for schedule and budget	\$23,040
1.7	Prepare / submit invoicing	\$17,568
1.8	Develop / utilize project design file system for Project Team	\$8,932
1.9	Develop / maintain design QC system	\$17,200
1.10	Arrange / conduct team / onsite / online meetings (18)	\$121,200
1.11	Workshop planning and presentations (see individual scope items)	
1.12	Participate in Project's executive leadership team weekly meetings	\$58,240
<b>Task 1: Project Management and Team Coordination</b>		<b>\$340,380</b>
<b>2a Preliminary Engineering - Conceptual Design Review</b>		
2a.1	Preliminary Engineering Kickoff Meeting / Workshop	\$16,741
2a.2	Review / Develop Comments and / or Alternatives to Hollenbeck TM	\$18,904
2a.3	Present to MCWRA / Meeting	\$8,893
2a.4	QA/QC	\$3,840
<b>Task 2a: Preliminary Engineering - Conceptual Design Review</b>		<b>\$48,378</b> <b>\$57,470</b>
<b>2b Preliminary Engineering - Site Survey</b>		
2b.1	Develop Site Survey Work Plan	\$1,840
2b.2	Establish control, topo survey of tunnel alignment and I/O structs.	\$71,354
2b.3	Assist MCWRA with ROW support	\$11,736
2b.4	QA/QC	\$1,472
<b>Task 2b: Preliminary Engineering - Site Survey</b>		<b>\$86,402</b> <b>\$0</b>
<b>2c Preliminary Engineering - Geotechnical Investigation Program</b>		
2c.1	Develop Geotechnical Exploration, Testing, Reporting Plan	\$16,440

2c.2	Meet with MCWRA, DSOD, FERC	\$7,945
2c.3	Perform Geotechnical Field Exploration, Lab Testing, Report	\$403,198
2c.4	Draft Geotechnical Data Report (GDR)	\$37,056
2c.5	Final Geotechnical Data Report (GDR)	\$13,982
2c.6	Draft Interpretive Baseline Report (GIR)	\$24,096
2c.7	Final Geotechnical Interpretive Report (GIR)	\$11,758
2c.8	QA/QC	\$12,920
<b>Task 2c: Preliminary Engineering - Geotechnical Investigation Program</b>		<b>\$527,395</b>
<b>2d Preliminary Engineering - Design Criteria Memorandum</b>		
2d.1	Draft Design Criteria Memorandum	\$24,615
2d.2	Review Meeting w/ MCWRA - Draft Memorandum Comments	\$5,532
2d.3	Final Design Criteria Memorandum	\$9,195
2d.4	QA/QC	\$1,920
<b>Task 2d: Preliminary Engineering - Design Criteria Memorandum</b>		<b>\$41,262</b> <b>\$32,170</b>
<b>2e Preliminary Engineering - Report (30% Design Level)</b>		
2e.1	Draft Preliminary Engineering Report	\$66,188
2e.2	Review Meeting w/ MCWRA - Draft Preliminary Engineering Report	\$8,432
2e.3	Final Preliminary Engineering Report	\$58,034
2e.4	Identify and present to MCWRA recommendation for eqpt proc package	\$6,800
2e.5	Hydraulic Analysis/ Reservoir Routing / Physical Model	
2e.6	QA/QC	\$1,920
<b>Task 2e: Preliminary Engineering - Report (30% Design Level)</b>		<b>\$141,374</b>
<b>3 Design-Build Documents (Incl PS&amp;E)</b>		
3.1	50% Design-Build Documents (Incl PS&E)	\$262,492
3.2	Review Meeting w/ MCWRA - 50% D-B Docs	\$11,129
3.3	75% Design-Build Documents (Incl PS&E)	\$216,192
3.4	Draft Geotechnical Baseline Report (GBR)	\$15,233
3.5	Review Meeting w/ MCWRA - 75% D-B Docs	\$10,084
3.6	100% Design-Build Documents (Incl PS&E)	\$150,857
3.7	Final Geotechnical Baseline Report (GBR)	\$9,188
3.8	Review Meeting w/ MCWRA - 100% D-B Docs	\$11,044
3.9	Final, Issue-For-Bid (RFP) Documents	\$79,780
3.10	Hydraulic Analysis/ Reservoir Routing / Physical Model	\$20,704
3.11	Support MCWRA in electrical utility applications for I/O facilities	\$6,600
3.12	Coordinate w/ building & planning dept. Mont/SLO Counties plan check	\$14,120
3.13	Provide prep of tech docs and operations to supt. Envir. Consultant	\$14,584
3.14	QA/QC	\$28,800
<b>Task 3: Design-Build Documents</b>		<b>\$850,807</b>
<b>4 Engineer's Report</b>		
4.1	Draft Project Description	\$18,458



4.2	Draft Assessment Methodology	\$108,408
4.3	Review Meeting with MCWRA - Draft Engineer's Report	\$4,845
4.4	Pre-Final Project Description	\$16,137
4.5	Pre-Final Assessment Methodology	\$9,588
4.6	Review Meeting with MCWRA - Final Engineer's Report	\$4,845
4.7	Final Engineer's Report (Incl Project Description and Assess. Meth.)	\$19,894
4.8	Assist MCWRA and Program Manager with Outreach Mtg. Exhibits	\$9,664
4.9	QA/QC	\$3,840
<b>Task 4: Engineer's Report</b>		<b>\$195,679</b>
<b>5 Bidding Phase Services</b>		
5.1	Respond to technical questions	\$12,992
5.2	Prepare addenda to RFP	\$9,060
5.3	Assist MCWRA with proposal evaluations	\$14,224
5.4	Pre-Bid Site Visit	\$3,760
5.5	QA/QC	\$3,840
<b>Task 5: Bidding Phase Services</b>		<b>\$43,876</b> <b>\$21,131</b>
<b>6 EIS Support</b>		
6.1	Kickoff Meeting	\$5,640
6.2	Assist in Developing Project Description	\$4,720
6.3	Prepare Engineering Support Documents for Alternatives	\$30,448
6.4	Assist in Developing EIS Documents	\$13,552
6.5	Review Draft EIS	\$7,520
6.6	Coordination Meetings	\$14,960
6.7	General EIS Support	\$30,960
<b>Task 6: EIS Support</b>		<b>\$107,800</b> <b>\$60,747</b>
<b>7 General Engineering Support</b>		
7.1	Review and Analysis Groundwater Data	\$4,124
7.2	Develop Alternative Gate Shaft Design	\$58,440
7.3	Optimize Tunnel Design	\$62,800
7.4	Optimize Intake Design	\$63,380
<b>Task 7: General Engineering Support</b>		<b>\$188,744</b>
<b>Task 8: Additional Geotechnical Field Exploration and Testing</b>		<b>\$266,200</b>
<b>TOTAL ALL TASKS</b>		<b>\$2,572,097</b>

<b>OP Optional Tasks</b>		
OP.1	Right-of-Way (detailed exhibit development)	\$92,000
OP.2	Physical Hydraulic Model of Energy Dissipation Structure	\$110,000
OP.4	Reservoir Modeling for Prop 218 Benefit Assessment	\$60,000
		<b>\$262,000</b>
<b>TOTAL OPTIONAL TASKS</b>		<b>\$152,000</b>

Project: **(Interlake Tunnel) San Antonio Spillway  
Final Design**

Task	Description	Total Amount
<b>1 Evaluate Spillway Alternatives</b>		
1.1	Data Collection and Review	\$9,694
1.2	Prepare Geotech & Survey Workplans	\$16,356
1.3	Field Workplan Review / Approval	\$8,042
1.4	Survey / Mapping	\$32,704
1.5	Geotechnical Investigation & Report	\$167,628
1.6	Preliminary Gate Alternatives & Hydraulic Capacity	\$25,000
1.7	PMF Routing Update	\$16,064
1.8	Structural / Seismic Capacity of Training Walls	\$17,128
1.9	Modification Alts - Conceptual Design & Cost Estimate	\$40,368
1.10	Review Workshop with DSOD	\$11,538
1.11	Draft Alternatives Technical Memorandum	\$18,444
1.12	Review	\$3,824
1.13	Finalize Alternative Technical Memorandum	\$9,730
1.15		
<b>Task 1: Evaluate Spillway Alternatives</b>		<b>\$376,520</b>
<b>2 Spillway Hydraulic Design</b>		
2.1	Draft Updated PMF Routing Technical Memorandum	\$17,036
2.2	Review	\$4,576
2.3	Final Updated PMF Routing Technical Memorandum	\$7,600
2.4	Hydraulic Analysis	\$34,520
2.5	<del>Workplan / Procurement of Physical Model Study</del>	<del>\$10,192</del>
2.6	<del>Physical Model Study / Report</del>	<del>\$259,500</del>
2.7	Draft Hydraulic Design Technical Memorandum	\$17,788
2.8	Review	\$3,824
2.9	Final Hydraulic Design Technical Memorandum	\$7,934
2.10		
<b>Task 2: Spillway Hydraulic Design</b>		<b>\$362,970</b> <b>\$93,278</b>
<b>3 Embankment Stability Evaluation</b>		
3.1	Review / Update Prior Stability Analyses	\$43,032
3.2	Draft Stability Analysis Technical Memorandum	\$24,468
3.3	Review	\$3,824
3.4	Final	\$10,930
3.5		
<b>Task 3: Embankment Stability Evaluation</b>		<b>\$82,254</b>



<b>4 Preliminary Design (30%)</b>		
4.1	30% Drawings and AACE Class 4 Cost Opinion	\$85,260
4.1A	30% Electrical (McMillen Jacobs Assoc)	\$50,000
4.2	Draft Design Criteria Technical Memorandum	\$31,534
4.3	Review	\$8,950
4.4	NA	
<b>Task 4: Preliminary Design (30%)</b>		<b>\$175,744</b>
<b>5 Final Design</b>		
5.1	60% PS&E (AACE Class 3 Est; Outline Specs)	\$77,708
5.2	Basis of Design Technical Memorandum (Engineer's Rept)	\$35,100
5.3	60% Design Review	\$9,500
5.4	90% PS&E (Updated AACE Class 3)	\$81,356
5.5	Final Basis of Design Technical Memorandum (Engr's Rept)	\$18,736
5.6	Draft Bid / Contract Documents	\$38,764
		<del>\$9,500</del>
<del>5.7</del>	<del>90% Design Review</del>	<del>\$6,062</del>
<del>5.8</del>	<del>100% PS&amp;E for DSOD Review/Approval</del>	<del>\$31,660</del>
5.8A	Final Electrical Design (McMillen Jacobs Associates)	\$95,000
<del>5.9</del>	<del>Finalize Approved Drawings &amp; Specifications</del>	<del>\$16,564</del>
<del>5.10</del>	<del>Finalize Bid/Contract Documents</del>	<del>\$14,548</del>
<b>Task 5: Final Design</b>		<b>\$428,436</b> <b>\$362,226</b>
<b>6 DSOD Review &amp; Approval</b>		
6.1	Preliminary Design Workshop & Response	\$14,566
6.2	60% Design Workshop & Response	\$14,566
6.3	90% Design Review Meeting & Response	\$14,566
6.4	100% Review Meeting & Response	\$14,566
6.5		
<b>Task 6: DSOD Review &amp; Approval</b>		<b>\$58,264</b>
<b>7 Not Defined</b>		
7.1		
<b>Task 7: Not Defined</b>		
<b>8 EIS Permitting Support</b>		
8.1	Project Description Assistance (80 hr allowance)	\$16,072
8.2	Participate in Public Meetings (80 hr allowance)	\$19,120
8.3	Construction Impact Support (80 hr allowance)	\$16,072
8.4		
<b>Task 8: EIS Permitting Support</b>		<b>\$51,264</b>
<del><b>9 Construction Procurement Support</b></del>		<del>-</del>
<del>9.1</del>	<del>Contract Document Repro/Distribution</del>	<del>\$18,412</del>
<del>9.2</del>	<del>Bid Advertisement Support</del>	<del>\$4,664</del>
<del>9.3</del>	<del>Pre-Bid Meeting</del>	<del>\$6,242</del>
<del>9.4</del>	<del>Respond to Bidder Questions</del>	<del>\$13,808</del>
<del>9.5</del>	<del>Addenda Support</del>	<del>\$21,452</del>
<del>9.6</del>	<del>Bid Opening Support</del>	<del>\$6,706</del>



9.7 Bid Tab/Evaluation	\$13,056
9.8 -	-
<b>Task 9: Construction Procurement Support</b>	<b>\$84,340</b>
	<b>\$0</b>
<b>10 Project Management</b>	
10.1 Project setup, work plan	\$9,592
10.2 QA/QC, staffing, budget, schedule control	\$40,864
10.3 Invoicing, cash flow, status reporting	\$33,084
10.4 Project Meetings, management, coordination	\$63,360
10.5	
<b>Task 10: Project Management</b>	<b>\$146,900</b>
<b>Task 11: San Antonio Dam Subsurface Investigation</b>	<b>\$420,242</b>
<b>TOTAL ALL TASKS</b>	<b>\$1,766,692</b>