



Date: May 1, 2025

To: Buckman Direct Diversion Board

From: Nancy R. Long and Dan Frost

Subject: Approval of a Professional Services Agreement with AECOM Technical Services, Inc. for Owner's Representative Services

Item and Issue:

Request Approval of a Professional Services Contract with AECOM Technical, Inc. in an amount not-to-exceed \$2,671,875.00, including NMGRT for Owner's Representative services for a four (4) year term.

Background and Summary:

The Board previously issued an RFP for Owner's Representative Services in conjunction with the Design Build project for the BDD Facility. The RFP was unsuccessful, but City Procurement instructed that the Board could utilize existing procurements previously awarded by the City for these types of services. Of the available existing procurement awards, it was deemed to be in the best interest of the Board to enter into an agreement for Owner's Representative services with AECOM Technical Services, Inc. ("AECOM"). AECOM has agreed to the engagement and to the agreement attached and presented to you today.

Attached is the Professional Services Agreement between BDDDB and AECOM as well as AECOM's proposed for this project and their qualifications.

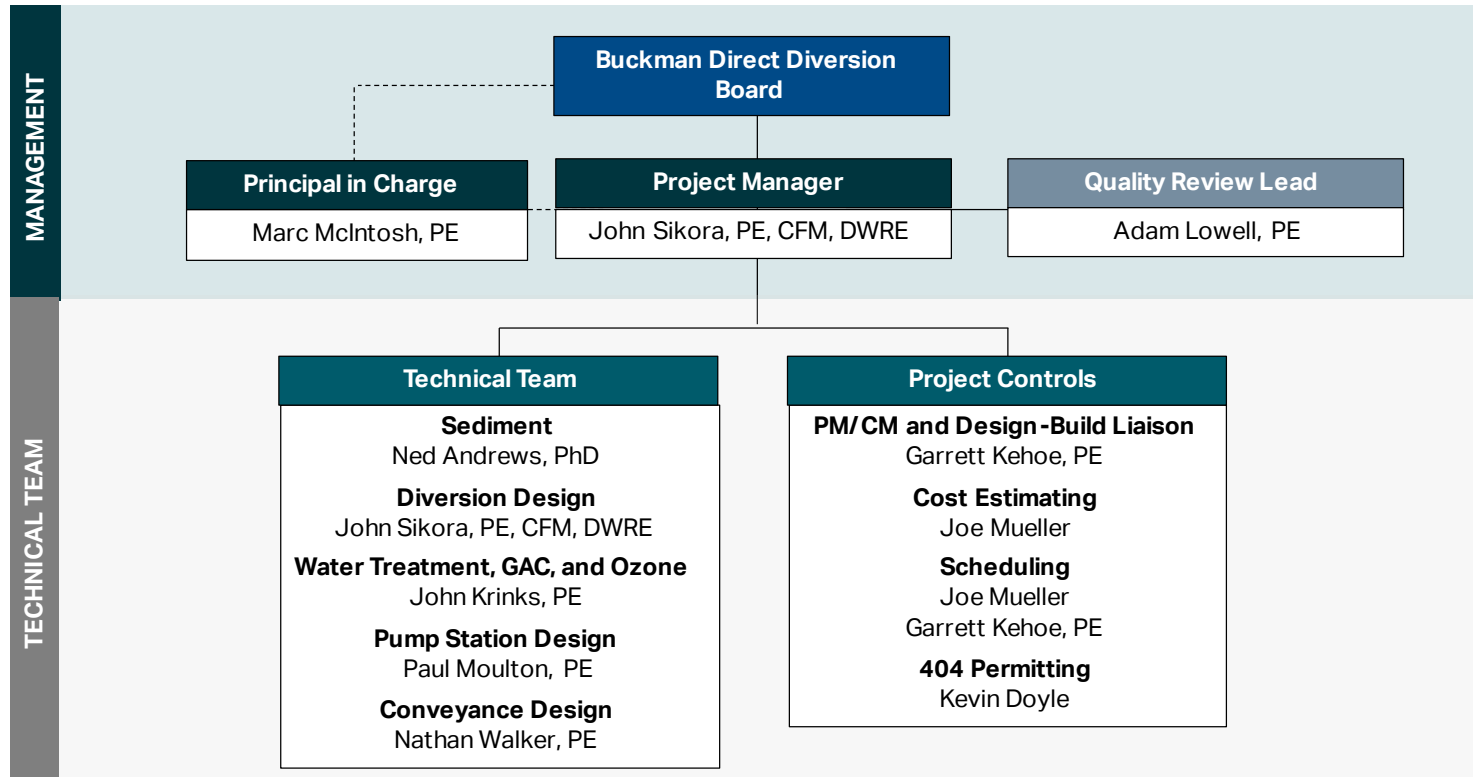
Action Requested:

It is recommended that the Board approve the Professional Services Agreement with AECOM for Owner's Representative services.



As a one-stop shop for interconnected water systems, we streamline project delivery by integrating all necessary services.

Figure 1. Organization Chart



Results oriented team focused on communication, accountability and efficiency.

Management

Our PM, John, acts as the single point of contact for our team.

Our corporate policies for Quality will be coordinated through one Quality Review Lead for consistency.

Technical Team

Managers who understand Progressive Design Build integration, Reclamation processes, and focus on quality, cost, scope, and schedule.

Expertise in each service area with professional registrations, education, extensive years of experience, and longevity with the firm.

Geographic expertise providing knowledge of local conditions and requirements.



John Sikora, PE, CFM, DWRE

Project Manager, Diversion Lead

Years of Experience
37 years

Education
BS, Agricultural Engineering
Graduate Studies, Agricultural Engineering

Licenses/Registrations
Professional Engineer: NM #24404, CO, IL, TX, ND, AZ
pending; Certified Floodplain Manager; AAWRE; D.WRE

John's qualifications to deliver

Throughout his career, John's focus has been managing, planning, designing, and constructing large complex multidisciplinary water resources projects and programs. His primary focus has been the design and construction of water structures ranging from river diversions, water supply and flood control structures, and tailings dams. He is AECOM's Subject Matter Expert on river diversion projects for municipal, industrial, and agricultural water supply projects. To execute these projects he has led investigations, design, funding and environmental permitting efforts, and public involvement programs.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sedimentation Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Poudre Valley Canal, Northern Water Conservancy District , Fort Collins, Colorado Diversion Design Lead	✓	✓	✓	✓			✓	✓	✓	✓
Lupton Lakes Inlet/Outlet Works and Pump Station, Denver Water , Fort Lupton, Colorado Diversion Design Lead	✓	✓	✓	✓		✓	✓	✓	✓	
Colorado River Connectivity Channel, Northern Water Conservancy District , Granby, Colorado River Design Lead, Principal in Charge	✓	✓	✓	✓			✓	✓	✓	✓
Mayflower Dam and Tunnel Intake, Climax Mine , Leadville, Colorado Project Manager	✓	✓	✓	✓			✓	✓	✓	✓
Galeton Diversion, Northern Water Conservancy District , Greeley, Colorado Project Manager	✓					✓	✓	✓	✓	



Marc McIntosh, PE

Principal in Charge

Years of Experience
25 years

Education
BS, Civil Engineering, Colorado School of Mines

Licenses/Registrations
Professional Engineer: NM#23532, AZ
AECOM Certified Project Manager

Marc's qualifications to deliver

Marc has a background in water resources and general civil engineering with extensive experience in characterizing riverine flood hazards, design of drainage and flood control facilities including river and channel stabilization structures. He also has extensive experience in 1D and 2D hydrologic/hydraulic modelling, sediment management, scour and erosion mitigations, flood hazard mitigation, drainage master planning, dam/levees, floodplain mapping projects and public outreach. He has provided contract, project and task management services on many water resource projects for federal, tribal, state, and local agencies in the Southwestern United States.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sedimentation Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Cave Buttes Dam Modifications Project, Flood Control District of Maricopa County, Phoenix, Arizona Project Manager and Engineer-of-Record	✓	✓		✓				✓	✓	✓
Santa Clara Pueblo, Flood Mitigation and Creek Restoration Project (DR-4199), Santa Clara Pueblo, New Mexico Design Manager	✓	✓						✓	✓	
Santa Fe River Greenway Project Section B Improvements, City of Santa Fe, New Mexico Project Manager	✓	✓		✓				✓	✓	
Drainage Bureau On-Call, NMDOT, Statewide, New Mexico Contract/Project Manager and Principal Engineer	✓	✓		✓					✓	
A-E Civil Works, Hydraulics & Hydrology Design IDIQ 2020-2025, Albuquerque, New Mexico Program Manager	✓	✓						✓	✓	✓



Adam Lowell, PE

Quality Review Lead

Years of Experience
17 years

Education
MS/BS, Civil Engineering, University of Colorado - Boulder

Licenses/Registrations
Professional Engineer: CO, KY, OK

Adam's qualifications to deliver

Adam is the Quality Manager for both AECOM's Denver area office of 500 staff as well as the Water Business Line across a 32-state geography covering 3,000 staff and 60 offices. As quality manager he is responsible for monitoring the implementation of the company's ISO 9001 certified quality system; training staff on the system requirements; and auditing projects to make sure the quality process is followed. Adam is also a member of core company teams in AECOM to develop quality procedures and quality process improvement plans for the U.S. and Canada.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sedimentation Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Eucha Dam Repairs, Tulsa Metropolitan Utility Authority, Oklahoma Project Manager	✓	✓						✓	✓	
Bradner Reservoir, City of Las Vegas, New Mexico Structural Engineer	✓	✓	✓			✓	✓	✓	✓	
Galeton Diversion, Northern Water Conservancy District, Greeley, Colorado Project Manager	✓					✓	✓	✓	✓	



Ned Andrews, PhD

Sediment

Years of Experience

52 years

Education

PhD, Geology, University of California
 MS, Geophysics, Stanford University
 BS, Geophysics, Stanford University

Licenses/Registrations

N/A

Ned's qualifications to deliver

Ned has 50 years of experience investigating sediment transport processes and the morphology of rivers as a research hydrologist. His research has focused primarily on the adjustment of river channels to alterations of streamflow regime and sediment supply. This research has concerned a wide variety of rivers affected by various natural and anthropogenic impacts. The goals of his projects have been to develop the analytical methods and approaches needed to maintain and restore the important geomorphic and ecological features of river channels. Since 1988, Ned has served as an expert witness in a variety of court proceedings, including calculation of instream flow water rights for National Forests and National Parks in several Western States, implementation of the Clean Water Act, and representation of the Governments of India and Nicaragua in two landmark cases before the International Court of Arbitration, The Hague.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sedimentation Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Gila River Water Development, Gila River Diversion 30% Design, New Mexico Interstate Stream Commission, Gila, New Mexico <i>Lead Geomorphologist</i>	✓	✓		✓				✓		✓
Yampa River Basin, Stream Channel Study, Colorado <i>Project Chief and Principal Investigator</i>	✓	✓	✓	✓				✓		✓
Delivery of Sediment to the California Coast, US Bureau of Reclamation and USGS, California <i>Project Chief and Principal Investigator</i>	✓	✓		✓						
Upper Colorado River Irrigation and Restoration Assessment, Private Ranch Owners, Kremmling, Colorado <i>Lead Geomorphologist</i>	✓	✓	✓	✓			✓	✓	✓	✓
Glen Canyon Dam Ecological Restoration, U.S. Bureau of Reclamation and U.S. Geological Survey, Page, Arizona <i>Project Chief and Principal Investigator</i>	✓	✓		✓						



John Krinks, PE

Water Treatment, GAC, and Ozone

Years of Experience
20 years

Education
MS, Environmental Engineering, Ohio University
BS, Civil Engineering, Ohio University

Licenses/Registrations
Professional Engineer, OH

John's qualifications to deliver

John has participated in the planning, preliminary and detailed design, construction administration, and commissioning of water infrastructure projects, including municipal and industrial wastewater treatment facilities, wastewater pumping and systems, storage facilities, hydraulic modelling, and water quality studies.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sedimentation Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
New 30 MGD WTP with Ozonation and Ultrafiltration, Provo, Utah Design Manager	✓	✓	✓	✓	✓	✓		✓	✓	
16 MGD WTP Improvements with filters and RO Membrane Softening, Beavercreek, Ohio Design Manager	✓	✓			✓	✓		✓		✓
New 13 MGD WTP with Ozone and Biologically Active GAC, Marysville, Ohio Design and Project Manager	✓	✓		✓	✓	✓	✓	✓	✓	
New 50 MGD WTP with Ozone and Biologically Active GAC, Evansville, Indiana Design Manager	✓	✓	✓		✓	✓				✓
New 48 MGD WTP with Ozone and GAC contacts, Columbus Division of Water, Columbus, Ohio Facility Design Leader	✓	✓	✓		✓	✓				
36 MGD WTP Improvements with New Ozone Facility and GAC Addition to Filters, West Columbia, South Carolina, Technical Lead	✓	✓		✓	✓	✓		✓		✓



Paul Moulton, PE

Pump Station Design

Years of Experience

49 years

Education

BS, Civil Engineering, Northeastern University

Licenses/Registrations

Professional Engineer: NH

Paul's qualifications to deliver

Responsible for overseeing the AECOM Pumping System Center of Excellence, standards, master specifications and design of mechanical process, materials handling systems, and chemical storage and feed systems. Paul has provided the design, start-up, troubleshooting and commissioning for 100 facilities worldwide. He has delivered pump stations with varying capacities including the design-build delivery of three pump stations and closure structures (12,500; 2,700; and 9,000 cfs) and sits on various Hydraulic Institute Rotodynamic Pump Group committees including the Pump Intake Design, Pump Piping, Nomenclature and Definitions, and Guideline for Hydraulic Performance Field Testing committees.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sediment Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Monterey Peninsula Water Supply Program, California American Water Monterey County District, Monterey, California Technical Advisor	✓	✓	✓	✓		✓	✓	✓	✓	✓
Pacheco Reservoir Expansion, Santa Clara Valley Water District, California Pump Station Design Lead	✓	✓	✓	✓		✓	✓	✓	✓	
EchoWater Tertiary Treatment Facilities Filter Influent Pump Station, Sacramento Regional County Sanitation District, California Lead Mechanical Process Engineer	✓	✓	✓		✓	✓				
SLC New WRF Influent Tunnel and Pump Station, Salt Lake City Department of Public Utilities, Salt Lake City, Utah Lead Verifier	✓	✓		✓	✓	✓	✓	✓	✓	✓



Nathan Walker, PE

Conveyance Design

Years of Experience
26 years

Education
BS, Civil Engineering, University of Akron

Licenses/Registrations
Professional Engineer: NM#28221, CO, WA
AECOM Certified Project Manager

Nathan's qualifications to deliver

Applying 26 years' of experience involving dozens of water supply, transmission, and treatment projects, managing dozens of multi-disciplinary teams on projects of similar scale, Nathan will oversee the redesign and repair of pipelines and pump station equipment for the BDD Facility coordinating closely with the AECOM and BDD team to verify equipment and materials of construction are suitable for expected performance based on site-specific water quality resulting from other BDD Facility repairs. Nathan is a familiar, committed partner who has worked and collaborated with the City of Santa Fe and other local agencies supporting water supply improvements in the region since 2018. He understands and has demonstrated experience leading communication, collaboration, and proactive management needed to meet project challenges. He understands the technical challenges and limitations of the current BDD Facility and looks forward to supporting the development of solutions similar to his recent work on the outlet works and raw waterline improvements at Nichols Reservoir in Santa Fe.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sediment Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Lupton Lakes Inlet/Outlet Works and Pump Station, Denver Water, Fort Lupton, Colorado Technical Advisor	✓	✓	✓	✓		✓	✓	✓	✓	
Eastern Navajo Water Pipeline Project, US Bureau of Reclamation, New Mexico Project Manager	✓						✓			
Canyon Road Water Treatment Plant Raw Waterline, City of Santa Fe, New Mexico Design Manager	✓	✓					✓	✓	✓	
Segment A Pipeline, Thornton Water Project, City of Thornton, Colorado Project Director	✓						✓	✓	✓	
Elwha River Restoration Design, National Park Service/US Bureau of Reclamation, Port Angeles, Washington Hydraulic Modeling	✓	✓	✓	✓	✓	✓	✓			



Garrett Kehoe, PE

PM/CM and Design-Build Liaison; Scheduling

Years of Experience
14 years

Education
MS, Civil Engineering, University of Texas: Austin
BS, Civil Engineering, University of California: Irvine

Licenses/Registrations
Professional Engineer: UT, CA

Garrett's qualifications to deliver

With decades of field and construction management experience on multiple long-term projects, Garrett has developed a strong ability to oversee and coordinate operations. His background includes hands-on experience with CMAR/CMGC project delivery on three projects, where he served as a key liaison between stakeholders and CMAR/CMGC contractors. He has commissioning and startup expertise, having successfully managed this phase for six treatment plant projects, leading to seamless transitions from construction to operational status. Garrett has completed construction projects with construction costs in excess of \$4 billion in his career to-date.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sediment Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
SLC New WRF, Salt Lake City Department of Public Utilities, Salt Lake City, Utah Construction Manager	✓	✓		✓	✓	✓	✓	✓	✓	✓
Provo WATRR, City of Provo, Utah Construction Manager and QC Auditor	✓	✓			✓					✓
Big Cottonwood WTP, Salt Lake City Department of Public Utilities, Salt Lake City, Utah Construction Manager	✓	✓			✓	✓	✓	✓	✓	✓
Nichols Dam Outlet Work, City of Santa Fe, New Mexico Construction Field Engineer	✓	✓	✓		✓		✓	✓	✓	
SAWS Disinfection Phase 2, San Antonio Water System, Artesia, Texas Design Leader and Construction Manager	✓	✓			✓	✓	✓	✓	✓	



Joe Mueller

Cost Estimating; Scheduling

Years of Experience
39 years

Education
BS, Construction Management, Colorado State University

Licenses/Registrations
B.E.S.T. Cardholder— Class A Unlimited

Joe's qualifications to deliver

Joe has more than 30 years of contracting and project management experience with a focus on heavy/highway. For 20 years—bridges, large dams, and water resource-related projects. He possesses a thorough understanding and mastery of estimating, scheduling and project management for complex heavy civil projects, with specialized knowledge for technical-formed concrete, deep foundations, excavating, dewatering and shoring.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sediment Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
Upper Yampa Water Conservation District, Steamboat Springs, CO, Bear River Diversion and Flow Measuring Structure , Yampa, Colorado Lead Estimator and Project Manager for Construction			✓		✓			✓	✓	
East Mesa Ditch Company. East Mesa Ditch , Carbondale, Colorado Lead Estimator and Project Manager for Construction								✓	✓	
Glenwood Springs Lift Station #11,000 , Glenwood Springs, Colorado Lead Estimator and Project Manager for Construction					✓			✓	✓	
New Castle Water Treatment Plant Improvements and Expansion , New Castle, Colorado Lead Estimator and Project Manager for Construction					✓			✓	✓	
Pueblo Dam Stabilization, Bureau of Reclamation, Pueblo, Colorado Lead Estimator and Project Manager for Construction			✓				✓	✓	✓	



Kevin Doyle

404 Permitting

Years of Experience

36 years

Education

BA, Sociology, University of California, Santa Barbara
Continuing studies in Anthropology, Historic Preservation, and Cultural Resource Management

Licenses/Registrations

N/A

Kevin’s qualifications to deliver

Based in Santa Fe, Kevin has a strong interdisciplinary understanding of environmental impact issues and has provided technical support and impact analyses for a variety of resources. He has extensive planning and permitting experience for multiple federal clients, Native American tribes and Pueblos, and state and local governments.

Demonstrated success with recent relevant projects

Experience Summary	Pragmatic Project Management	Multi-Disciplinary Teams	Diversion Design	Sediment Analysis	Water Treatment	Pump Design	Conveyance	Scheduling	Construction Cost Estimating	Alternative Delivery
San Juan Chama Permitting, City of Santa Fe, New Mexico Permitting Project Manager	✓	✓								
Lower San Acacia Reach Realignment, Middle Rio Grande, Environmental Impact Statement, US Bureau of Reclamation, Sierra and Socorro Counties, New Mexico Deputy Project Manager	✓	✓						✓		
New Mexico Unit of the Central Arizona Project Environmental Impact Statement, US Bureau of Reclamation, Multiple Counties, New Mexico Deputy Project Manager	✓	✓						✓		
Environmental Impact Statement for the Carlsbad Water Operations and Water Supply, Pecos River Basin, Bureau of Reclamation and New Mexico Interstate Stream Commission, Multiple Counties, New Mexico Project Manager	✓	✓						✓		