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Header 1

List View

General Information | Contact | Default Values | Discount | Document Information

Procurement Folder: 761839

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0603

Vendor ID: 

SO Doc ID: ADJ2100000003

Legal Name: MEAD & HUNT INC

Published Date: 7/30/20

Alias/DBA:

Close Date: 8/19/20

Total Bid: \$0.00

Close Time: 13:30

Response Date: 

Status: Closed

Response Time:

Solicitation Description:  

Total of Header Attachments: 1

Total of All Attachments: 1



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

**State of West Virginia
 Solicitation Response**

Proc Folder : 761839
Solicitation Description : WVARNG Statewide Installation Master Plan
Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation Response	Version
	2020-08-19 13:30:00	SR 0603 ESR08182000000001042	1

VENDOR
000000182590 MEAD & HUNT INC

Solicitation Number: CEOI 0603 ADJ2100000003

Total Bid : \$0.00 **Response Date:** 2020-08-18 **Response Time:** 15:44:59

Comments:

FOR INFORMATION CONTACT THE BUYER
 Tara Lyle
 (304) 558-2544
 tara.l.lyle@wv.gov

Signature on File	FEIN #	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	WVARNG Statewide Installation Master Plan				

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description : Provide professional consulting services per the attached documentation.



WEST VIRGINIA ARMY
NATIONAL GUARD
STATEWIDE INSTALLATION
MASTER PLAN

State of West Virginia

No.: CEOI ADJ2100000003

August 19, 2020

EXPERIENCE
EXCEPTIONAL



AUGUST 19, 2020

Tara Lyle, Buyer Supervisor
State of West Virginia
Department of Administration, Purchasing Division
2019 Washington Street E.
Charleston, WV 25305

Subject: West Virginia Army National Guard Statewide Installation Master Plan – Expression of Interest
No.: CEOI ADJ2100000003

Dear Ms. Lyle:

Mead & Hunt, Inc., together with our partner Rubicon Planning, LLC (Rubicon), is excited for the opportunity to submit our proposal to support your Statewide Installation Master Plan. Our team has recently completed both Army National Guard (ARNG) Installation Master Plans as well as statewide Real Property Development Plans. Our locally-based team of experienced professionals are deeply and personally knowledgeable in ARNG facilities, especially Readiness Centers, including two former Construction and Facilities Management Officers (CFMO) and the long-time chief master planner for the Georgia ARNG. Our proposal provides details of our experience that will support the following statements:

- Recent ARNG Installation Master Planning experience including the update to the Camp Dawson Installation Master Plan, the Camp Roberts Installation Master Plan, and the Joint Force Training Base (JFTB) Los Alamitos Installation Master Plan.
- Completion of a statewide Real Property Development Plan for the Arizona Army National Guard (AZARNG).
- Completion of the six states' contributions to the Readiness Center Transformation Master Plan (RCTMP).
- We are National Guard experts, having two consecutive five-year National Guard Bureau (NGB) Architect-Engineering Indefinite Delivery-Indefinite Quantity (A-E IDIQ) contracts, and having been recently selected for a third consecutive five-year A-E IDIQ contract with the California Military Department (CMD).
- Exceptional Past Performance Reviews, with numerous planners with ample capacity.

Your project is as important to us as it is to you. Mead & Hunt, with nearly 900 full-time staff nationwide, will provide unmatched experience and depth. Rubicon, with its laser-focused expertise in requirements generation, will see that your plan is not only ambitious but supportable. We appreciate the mission of the West Virginia Army National Guard (WVARNG) because many of us have lived it. We would love the opportunity to work with you, support your soldiers, and plan for the future of Joint Base West Virginia.

Sincerely,
Mead & Hunt, Inc.

Laurie Whitney, AIA, LEED AP BD+C, NCARB
Vice President

Note: We know of no amendments to the solicitation.

Firm Profiles

Drawing upon our past experience leading successful master planning efforts, we've assembled a project team that best suits the needs of this Master Plan and is available to meet your schedule. This ideal team includes industry leaders in ARNG design and master planning. Our team includes:

Mead & Hunt

Mead & Hunt Mead & Hunt is a mid-sized, multi-discipline architectural, engineering, environmental, and planning firm. Continually ranked in *Engineering News Record's* annual Top Design Firm list, our company has successfully completed projects for a wide range of clients, including federal, state, municipal, and commercial. Our firm's commitment to thorough planning and quality design results in projects that are functional, economical, and easy to maintain and operate.

For more than 20 years, Mead & Hunt has held ARNG, Army, Air Force (AF), and Air National Guard (ANG) A-E IDIQs across the country, delivering professional services to our clients, from conceptual design through construction, for more than \$750M in military construction (MILCON) and sustainment, restoration, and modernization (SRM) projects. These projects range from chiller replacements and readiness center renovations to new squadron operations facilities, from runway, taxiway, and apron replacements to complete master plans, giving our team a thorough understanding of how to scale projects to meet budgets and schedules.

Our architecture and planning projects for all our military clients have been exceptional, as demonstrated during recent readiness center, training facility, planning and commissioning projects for the West Virginia, California, Minnesota, Ohio, and Wisconsin Army National Guards.

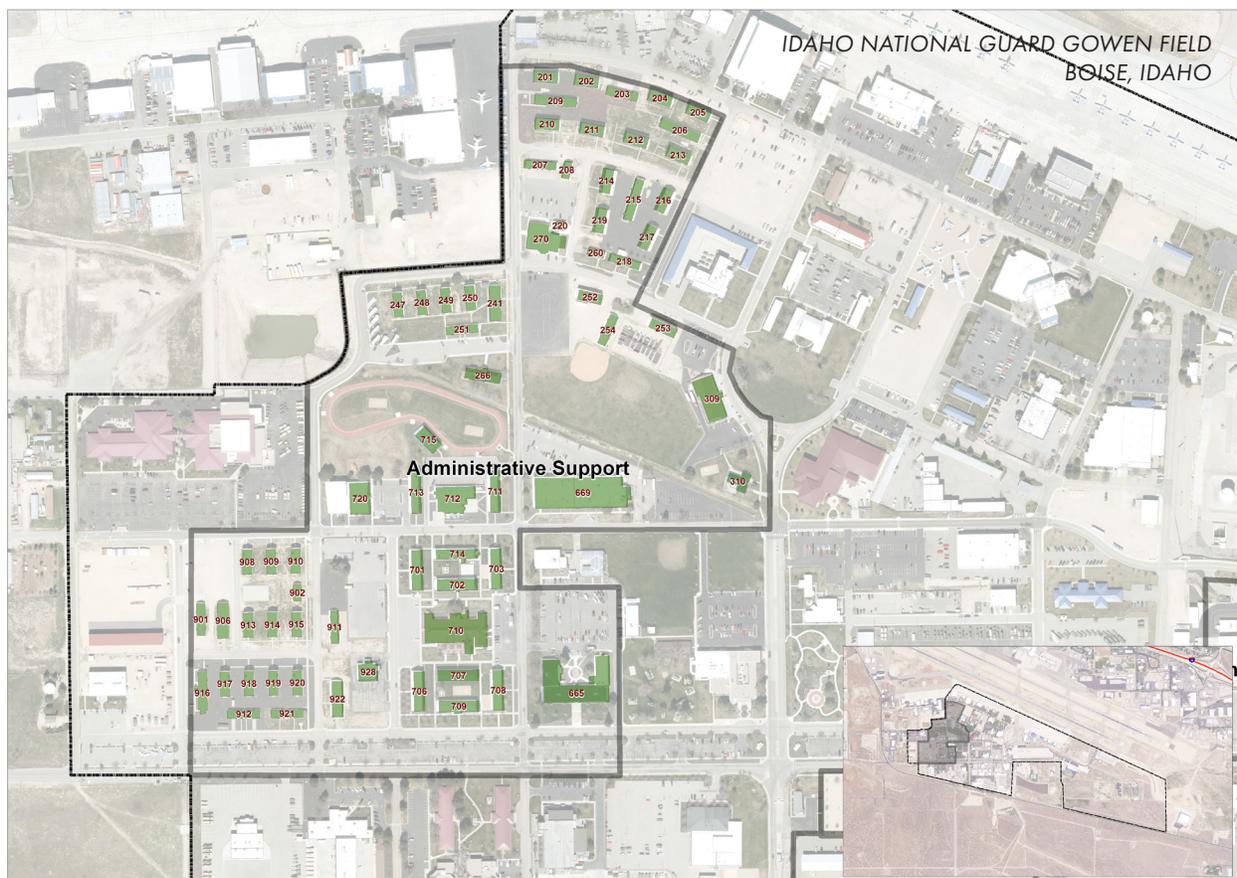
From our significant ARNG and ANG experience, we understand best practices for construction across the country and have specific knowledge of each region's geotechnical conditions and building regulations. We're proud of the work we've done nationally to build or repair National Guard facilities, and we're pleased to have been re-selected as one of only eight firms in the nation to hold a Nationwide A-E IDIQ contract with the NGB.



Rubicon Planning, LLC

RUBICON PLANNING Rubicon is a Woman-Owned Small Business in Roanoke, Virginia, providing real property master planning support and services for Department of Defense (DoD) (primarily Army) clients. Established in 2007, Rubicon specializes in real property master planning data analysis, in the use, application and optimization of force structure and real property data. Along with in applying force structure parameters to facilities planning criteria to develop master planning products that are based on accurate, auditable, and actionable facility requirements. Rubicon's products include the Requirements Analyses, Tabulations of Existing and Required Facilities, Capital Investment Strategies (CIS), and programming documentation (DD Forms 1390/1391, Economic Analyses) that drive facilities master plans.

Rubicon is dedicated to proactive planning, to helping clients anticipate future planning issues and needs, and to developing plans to meet those obligations. Rubicon's staff combines more than 150 years' experience in supporting the Army Real Property Master Planning community.



Qualifications of Proposed Personnel

Having known and respected each other for years, Mead & Hunt and Rubicon are excited to be teaming on this project for you. Below are biographic summaries of the key people assigned to your project.

Project Management



Aaron Gillispie, PE

PROJECT MANAGER

EDUCATION

BS, Mechanical Engineering

PROFESSIONAL ENGINEER

WV

BIOGRAPHY

Aaron has more than 25 years of leadership at the highest levels and will use that experience to oversee our team and keep WVARNG informed every step of the way. He serves as Construction Services Department Manager of Mead & Hunt's Charleston, WV office and can report to the CFMO within minutes if needed. Aaron is committed to working directly with the CFMO to exceed expectations.

As Chief State Highway Engineer for the West Virginia Division of Highways (WVDOH), Aaron managed all facets including the Planning Division, Right of Way Division, and the Engineering Division. He managed a staff of engineers and planners to assess the project and programmatic needs of the transportation network and to develop plans for construction improvements and expansions. This program of projects collectively totaled more than \$3B in construction. This work consisted of site assessments, utility locations and relocations, communication with stakeholders, surveys, right of way acquisition, environmental assessments, and design.

As Chief Engineer, he managed the Buildings and Grounds Section of Maintenance Division. With an average annual budget of more than \$15M, this section was charged with the facility management of more than 100 DOH facilities across West Virginia.

EXPERIENCE

Aaron led the development of programmatic planning tools for the following projects:

- **Long Range Transportation Plan (LRTP):** A 20-year planning horizon vision document that reflects the application of programmatic transportation goals to project prioritization. It includes financial components that demonstrate how the recommended transportation plan can be implemented, identifies the public and private resources expected to be available to carry out the plan, and recommends any additional financing strategies for needed projects and programs.
- **Statewide Transportation Improvement Plan (STIP):** The STIP is a staged, multi-year, statewide intermodal program of transportation projects, consistent with the statewide transportation plan and planning processes as well as metropolitan plans, transportation improvement programs (TIPs), and planning processes. The WVDOT STIP was approved in October 2019.
- **Transportation Asset Management Plan (TAMP):** The federally required TAMP acts as a focal point for information about the assets, management strategies, long-term expenditure forecasts, and business management processes of a state department of transportation. It is a tactical-level document which focuses its analysis, options development, programs, delivery mechanisms, and reporting mechanisms on ensuring that strategic objectives are achieved. WVDOH developed a risk-based asset management plan for the National Highway System (NHS) to improve or preserve the condition of the assets and the performance of the system.



Rick Burtt, COL (USAR)

QUALITY MANAGER

EDUCATION

MBA, Strategic Planning; BS, Architectural Engineering

BIOGRAPHY

Rick will use his project and program manager experience along with his extensive background in master planning, architectural engineering, construction management, and leadership as your Quality Manager. He will be responsible to see that work products meet or exceed ARNG standards. As Chief of Planning and Programming, Deputy Director, and Director of CFMO for the Colorado Army National Guard (COARNG), Rick was responsible for construction and management of all COARNG facilities, encompassing more than 1.8M SF of office, industrial, and aviation facilities located throughout the state at 25 different locations. Rick knows planning and programming, having completed four significant site master plans, including the COARNG's training site master plan at Fort Carson. Most importantly, through such planning efforts, he was successful in gaining more than \$60M in MILCON funding over five years, and in one year growing the SRM program from less than \$100,000 to more than \$5M. Rick has led teams of project managers, engineers, planners, administrators, and a workforce of more than 50 building maintenance personnel, aligning state and federal budget processes to optimize funding execution.

EXPERIENCE*

- Centennial Training Center, Master Plan Update, COARNG – Fort Carson, CO
- Joint Forces Headquarters, Colorado, Master Plan and Concept Design, COARNG – Centennial, CO
- North Colorado Springs Readiness Center, Master Plan, Design and Construction, COARNG – USAF Academy, CO
- Fort Lupton Readiness Center, Master Planning, Design and Construction, COARNG – Fort Lupton, CO
- Readiness Center Renovation, Code Compliance, and Life Safety Upgrades – Pueblo, Colorado Springs, Fort Collins, Longmont, and Aurora, CO
- Regional Training Institute, Design and Construction, COARNG – Fort Carson, CO
- Commander, Centennial Training Site, COARNG – Fort Carson, CO

*Project completed prior to joining the firm.

Architectural Services



Laurie Whitney, AIA, LEED AP BD+C, NCARB

ARCHITECT

EDUCATION

MA, Architecture; BS, Architectural Studies

REGISTERED ARCHITECT

WV, AL, AR, FL, ID, IL, KS, LA, MI, MN, NE, NC, ND, OH, SC, SD, TX, VA, WA, WI, VI

BIOGRAPHY

Laurie will be your project Architect working closely with the team from the initial discussions through the development of the Master Plan. She has spent more than 20 years designing projects for the ARNG, including 10 readiness centers. Her experience includes work on other assets as well as leadership for the BUILDER program, assessing ARNG facilities in 13 states. Drawing on her expertise as an Associate Value Specialist, Laurie works with the entire project team to bring focus to the fundamental needs and desired outcomes for each assignment, generating opportunities for targeted solutions that result in “a job done right”. She has been leading planning and programming document charrette (PPDC) teams for more than a decade for new construction and add/alter projects for the ARNG. This results in complete, relevant charrettes that include concepts on sustainability, energy conservation, and functional value, setting the stage for further design development. She has had her award-winning readiness center work published in *The Military Engineer* and has hosted webinars with the US Army Corps of Engineers (USACE) featuring her sustainable solutions for a historic readiness center renovation.

EXPERIENCE

- Installation Master Plan, WVARNG – Camp Dawson, WV
- Installation Master Plan, CAARNG – Camp Roberts, CA
- Installation Master Plan, CTARNG – Camp Niantic, CT
- Replace Training Facilities, MNARNG – Camp Ripley, MN
- Rickenbacker Readiness Center PPDC, OHARNG – Columbus, OH
- Renovate Milwaukee Readiness Center, WIARNG – Milwaukee, WI

Planning Services



Bruce Berger

SENIOR MASTER PLANNER

EDUCATION

BA, Liberal Arts, Civil Engineering Technology

BIOGRAPHY

As your Senior Master Planner, Bruce will be your technical leader for all planning efforts. Bruce is a Subject Matter Expert in Master Planning, Real Property and Real Estate, and provides instruction to USARNG and US Army Reserve (USAR) worldwide. He served on the Department of the Army Real Property Planning and Analysis System (RPLANS) Steering Committee and was a consultant to the Office of the Assistant Chief of Staff for Installation Management representing NGB in master planning, development prototypes of web based RPLANS used today. Bruce served as a national instructor for the ARNG for Army Stationing Installation Plans (ASIP), RPLANS, Installation Status Report (ISR) Infrastructure and Command Viewer. He also served on the Department of the Army and National Guard ISR Steering Committees. Bruce served at NGB Installations Division as a Chief Contractor for Master Planning, ISR and supported Real Estate and Real Property Programs. He served as an instructor for CFMO Certification nationwide multiple years for Real Estate/Real Property Management, Management Controls and Master Planning. He served on the Real Property Master Planning Advisory Committee (RMPAC) for multiple years. He supported the US Army Defense Army Readiness Team (DART) in assistance with ISR incorporation to the Defense Readiness Report System – Army (DRRS-A).

EXPERIENCE

- Real Property Master Plan for Orchard Combat Training Center, IDARNG – Boise, ID
- Comprehensive Real Property Development Plan, AZARNG – Phoenix, AZ
- Master Planning Systems Support, Processes, and Training, AKARNG – Anchorage, AK
- Real Property Master Plan, MOARNG – Jefferson City, MO
- Area Development Planning, AKARNG – Anchorage, AK
- Master Planning Systems Support, Processes, and Training, KSARNG – Topeka, KS
- Chief Contractor of Master Planning, ISR NGB – Arlington, VA
- Automated Data Planning Systems Support and Training, IDARNG – Boise, ID



Patrick Casey, AIA, NCARB

FACILITY PLANNER

EDUCATION

MA, Architecture; BA, Urban and Regional Studies

REGISTERED ARCHITECT

MI, WI

BIOGRAPHY

Patrick brings seven years of experience and will apply his critical thinking and problem solving approach as your Facility Planner responsible for planning vertical structures and design standards. Because of the exemplary skills he has demonstrated, he has been entrusted with a wide range of responsibilities involving every aspect of the architectural profession. He is experienced in preparing presentations and is knowledgeable of general building construction. Patrick is experienced in building planning and design, including programming, conceptual design, schematic design, design development and construction drawing development. His responsibilities also include project coordination, development of presentation materials, computer-aided design (CAD), building information modeling (BIM), AutoDesk Revit, shop drawing review, specifications development, code review, and construction administration. His recent project experience includes municipal and public safety buildings, fire stations, airport terminals, and military building facilities.

EXPERIENCE

- Installation Master Plan, WVARNG – Camp Dawson, WV
- Installation Master Plan, CAARNG – Camp Roberts, CA
- Installation Master Plan, CTARNG – Camp Niantic, CT
- Rickenbacker Readiness Center PPDC, OHARNG – Columbus, OH
- Multi-Facility Energy Assessment, WIARNG – Statewide, WI
- Munitions Area Study, MIANG – Alpena CRTC, MI
- Redmond Airport Master Plan, RDM – Redmond, OR

Analytical Services



Brent Beckley

SENIOR ANALYST

EDUCATION

Master of Strategic Studies; BS, Management Technology

BIOGRAPHY

Brent will serve as your Senior Analyst for this project. He will be responsible for analyzing data and transforming it into meaningful information. Brent uses his 30 years of Army military experience and extensive background with National Guard construction and facilities management, operations and training, and logistics operations, and relates that knowledge and skills to all components of the Real Property Master Planning process. Brent applies his working knowledge of Army master planning systems and National Guard criteria and requirements to develop auditable, realistic, and achievable master planning products. His personal and working knowledge in CFMO funding strategies verify investment strategy planning includes all potential sources of funds available between MILCON, Unspecified Minor Military Construction (UMMC), Critical Unfunded Requirement (CUFR), and SRM. Primary planning systems knowledge includes the RPLANS, the ASIP, the Force Management System (FMS), the ISR, and the Headquarters Installation Information System (HQIIS).

EXPERIENCE

- Training Site Master Plans, MOARNG – Camp Clark and Camp Crowder, MO
- Real Property Master Plan for Orchard Combat Training Center, IDARNG – Boise, ID
- Real Property Master Plan, MOARNG – Jefferson City, MO
- Area Development Planning, AKARNG – Anchorage, AK
- Master Planning Systems Support, Processes, and Training, KSARNG – Topeka, KS
- Master Planning Systems Support, Processes, and Training, AKARNG – Anchorage, AK
- Automated Data Planning Systems Support and Training, IDARNG – Boise, ID
- Real Property Assessment & Facility Occupancy Verification Study Detroit Arsenal, US Army – Warren, MI



Tiffany Vedvick

REAL PROPERTY ANALYST

EDUCATION

BS, Health Care Administration

BIOGRAPHY

Tiffany will serve as your Real Property Analyst and will be responsible for assessing real property needs. She has 13 years of Active Duty Army installation project experience at the Garrison and Directorate of Public Works (DPW) level. Nine of those years specializing in Army Real Property data science and analysis across multiple reporting systems to see that inventory data is completely and accurately displayed across multiple headquarters (HQ), Army and DoD level reporting systems. These systems include the FSM, HQIIS, Installation Status Report – Infrastructure (ISR-I), and RPLANS. Expertise also includes training on the relevant database business rules, data flows, system policies, and practices of Real Property between systems. Tiffany is proficient in inventory validation support, audit readiness, and QA/QC to troubleshoot critical corrections made in the Real Property records are transmitted, accepted, and displayed in the appropriate HQ level reporting system. She is knowledgeable in data entry procedures, report options, and required data fields by transaction in the Real Property data entry systems of GFEBS (for Active Duty and Army Reserve) and Planning Resource for Infrastructure Development and Evaluation (PRIDE) ARNG.

EXPERIENCE

- Real Property Support – Multiple Army National Guard States
- Management Analyst, DPW – Fort Bragg, NC
- Real Property asset database management expertise and analysis support – Multiple Active Duty Army installations
- Army HQIIS, DCS-G9 (formerly OACSIM) – Washington, DC



James Furr

REQUIREMENTS ANALYST

EDUCATION

BA, Management

BIOGRAPHY

James will be responsible for assessing ARNG requirements as your Requirements Analyst. He has three years of experience in Army mission-based facilities planning, including the consistent development of accurate, auditable, and relevant requirements for installations and units throughout the Army. James has used his knowledge of Army force structure and Army facilities planning criteria and practices to support the Real Property Master Planning process in all phases. James has worked extensively with the Army's suite of automated planning systems, including RPLANS, ASIP, FMS, the Army's real property inventory systems, GFEBS and HQIIS, ISR, and the ARNG's real property inventory system, PRIDEweb.

EXPERIENCE

- Requirements and Economic Analyses – Multiple Installations and States Worldwide
- RPLANS Support to Installation Management Command (IMCOM), Multiple Contracts – Multiple Installations and States Worldwide
- RPLANS Support through Installation Contracts – Multiple Installations Worldwide

Engineering Support



Aaron Koch, PE, CEM, LEED AP

MECHANICAL ENGINEER

EDUCATION

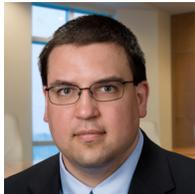
BS, Architectural Engineering

PROFESSIONAL ENGINEER

WV, CA, CO, DC, KY, MD, MO, NY, NC, VA, WY

BIOGRAPHY

Aaron has been a mechanical engineer for more than 20 years. His experience includes 18 years as a consulting mechanical engineer and five as a project manager in public works for local government. Aaron has led the mechanical design of many government and institutional projects, including aircraft hangars, airport terminals, academic buildings, performance spaces, laboratories, museums, classroom buildings, residence halls, office buildings, and data centers. Aaron is responsible for system concept design, coordination of mechanical systems within the design team, and preparing plans and specifications for bidding and construction.



Chris Hunter, PE

ELECTRICAL ENGINEER

EDUCATION

BS, Electrical Engineering

PROFESSIONAL ENGINEER

WV, CA, IA, GA, MN, NM, NC, ND, OR, SC, SD, WA, WI

BIOGRAPHY

With more than 12 years of experience as an electrical engineer, he brings a broad range of experience working with clients to efficiently coordinate critical electrical projects. He is responsible for the electrical design of airfield and apron lighting, controls, building systems, communication systems, and security systems. He is proficient in several types of design software and in working with various operating systems. Chris has served as resident engineer for lighting replacements and vault upgrades at regional airports and as project engineer for installation or relocation of navigational aids and lighting systems in conjunction with runway safety area improvement projects.



Carl Bowyer, PE, PS

CIVIL ENGINEER

EDUCATION

BS, Civil Engineering

PROFESSIONAL ENGINEER

WV, KY, OH, MD, PA, VA

BIOGRAPHY

Carl contributes nearly 42 years of civil engineering experience which ranges from roadway and site design to proposal preparation and project management. He was an administrative section head at the WVDOH where he managed and supervised the initial design section and was in charge of the study and development of preliminary design reports, preparation of contract fees, negotiations and contract agreements for Engineering and Architectural services for both State and Federal Highway projects. He has proven his expertise in roadway and drainage design, stormwater detention system design, site grading, storm and sanitary sewer design, waterline analysis and design, and development of construction drawings for transportation projects.

Installation Master Plan, WVARNG

CAMP DAWSON, WEST VIRGINIA



PROJECT CONTACT

Larry Becher
304-561-6458
larry.d.becher.nfg@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Development Planning
- Capital Investment Strategy
- Area Plan Analysis and Design
- Plan Summary and Compliance
- Installation Design Guide
- UFC 2-100-01 Compliant

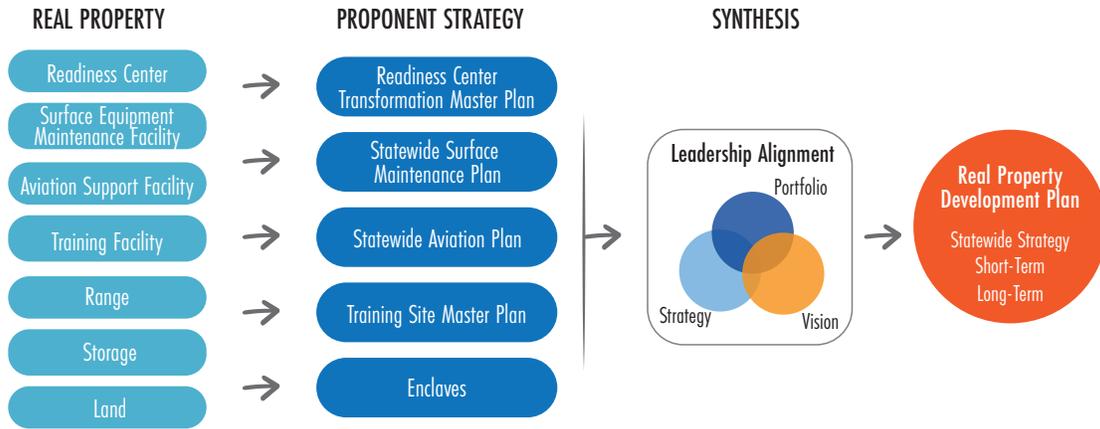
PROJECT DESCRIPTION

The WVARNG Installation Master Plan was designed to provide a five-year (short-range), six- to 10-year (mid-range) and 11- to 20-year (long-range) look at mission-based facility and infrastructure requirements at Camp Dawson. In addition to a review of the requirements, a full capacity build-out plan was identified and provided, and an illustrative plan siting future buildings was included. The Master Plan also provided a suggested phasing for logical growth at the installation for the primary missions of the stakeholders, which includes training and support requirements critical to the organization.

The WVARNG Installation Master Plan is the result of Mead & Hunt's collaborative, interactive process that brings together requirements, visioning, capacities, mission capabilities, and short-, mid- and long-range development into a single comprehensive plan. The Master Plan was designed to guide WVARNG now and into the future.

Comprehensive Real Property Development Plan, AZARNG

STATEWIDE, ARIZONA



PROJECT CONTACT

Scott Sveinsson
 602-629-4696
 scott.a.sveinsson.nfg@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Statewide Real Property Development Plan
- Real Property Master Plan
- Force Structure Analysis
- Readiness Center Requirements and Planning
- Capital Investment Strategy
- Area Development Plans
- Automated Master
- Planning Systems Analysis and Support
- UFC 2-100-01 Compliant

PROJECT DESCRIPTION

Rubicon worked with a team to develop a 25 year Master Plan that consolidated existing real property development plans and range complex master plans for the AZARNG. The intent was for the plan to capture all previous work, update the intent and strategic vision of those works, eliminate conflicts and contradictions between the documents and prepare the AZARNG to acquire the proper inventory of facilities for the next 25 years. The AZARNG did not want to “start from scratch” in preparing a new long-range plan, but to leverage existing and still valid master planning documents. The plan would ultimately serve as the basis for, and justification of, MILCON/SRM construction procurement, and would also guide the Real Property Planning Board and Installation Planning Boards at Camp Navajo, Silverbell Army Helicopter and Papago Park Military Reservation.

Nationwide Report on Readiness Centers, NGB

NEBRASKA, NEVADA, SOUTH DAKOTA, TEXAS, UTAH, WYOMING



PROJECT CONTACT

Sherrell Crow
703-995-8562
elver.s.crow.civ@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Multiple State Projects at Once
- Compressed and Changing Project Deadlines
- Capital Investment Strategy
- Incorporated Multiple, Varied Data Sources
- Automated and Streamlined Existing Processes
- NGPam 415-12

PROJECT DESCRIPTION

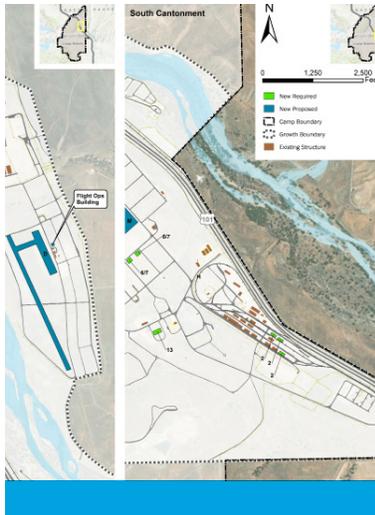
As part of a JV, Mead & Hunt applied our comprehensive ARNG knowledge and experience to the national RCTMP, assessing the Readiness Centers and Armed Forces Reserve Centers of the ARNG in six states. This project evaluated how each state's facilities and long-range plan supported the vision and objectives of the state's leadership. Courses of action developed met the vision of the Adjutant General while meeting space and mission requirements in accordance with National Guard Pamphlet 415-12. A CIS for each state was prepared which included development through SRM projects and MILCON proposals.

Our team analyzed statewide demographic data to evaluate facility locations. This analysis included evaluation of the facilities conditions and population around the readiness centers. Using a national set of criteria for assessing each facility provided consistency in documenting the state of physical assets across the nation. Through analysis of demographic data, our team assessed the viability of these facilities in the face of demographic change. By gauging future population centers and soldier drive time, the plan for each state identified strategic locations for readiness centers resulting in recommendations for new construction, renovation, and divestiture. While not in the project scope, this work led to the update of statewide master plans in two states to bring those plans into alignment with current trends creating a holistic picture for readiness center development.

The result was a unique future development plan for each state that represented current demographic trends, assessed the condition of existing facilities, identified development opportunities, and supported the vision provided by state leadership. We provided six states with actionable plans to address shortfalls and excesses throughout their facility inventory and helped them consider re-stationing to more fully support the state populous, thereby providing a long-term recruit potential.

Installation Master Plan, CAARNG

CAMP ROBERTS, CALIFORNIA



PROJECT CONTACT

LTC Beth Soelzer
916-854-3057
beth.l.soelzer.mil@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Development Planning
- Capital Investment Strategy
- Area Plan Analysis and Design
- Plan Summary and Compliance
- Installation Design Guide
- UFC 2-100-01 Compliant

PROJECT DESCRIPTION

The purpose of this planning effort was to create a master plan for the CAARNG Camp Roberts training area. The master planning effort developed a long-term vision and strategy for the cantonment area of the installation, providing options for the most effective and efficient use of the property. Elements of the plan included a phasing and implementation strategy, infrastructure requirements, and options for MILCON programming as appropriate. A broad site development suitability analysis was conducted to ascertain the ultimate development capacity of the property. Issues addressed included surrounding area influences, access, anti-terrorism/force protection (AT/FP) issues, circulation, military vehicle and privately-owned vehicle (POV) parking, and related environmental considerations.

Mead & Hunt held an on-site planning charrette to gain input, reaffirm goals and objectives, and develop a vision for the master plan. Working with stakeholders, our team determined the basis of planning and the drivers for the master plan, including guiding principles, goals and objectives, development suitability, and gross level requirements program. Our team also provided concept development, including formulation and evaluation of options with the intent of providing a preferred development option to the client. To this end, the team performed a partial installation facility survey and performed an analysis of the existing solar farm system for efficiency to provide a recommendation to replace, repair or upgrade.

Throughout the project, Mead & Hunt conducted work sessions, site visits and meetings with key stakeholders from the CAARNG, Camp Roberts Department of Public Works, J-9/Facilities and Engineering, and other state agencies to build a plan that would be most beneficial to users. The effort followed the guidance of UFC 2-100-01 and supplemented by NGR 210-20, "Real Property Development Planning for the Army National Guard".

Real Property Master Plan for Orchard Combat Training Center

BOISE, IDAHO



PROJECT CONTACT

CW3 Chad A. Melanese
208-272-3744
chad.a.melanese.mil@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Master Plan
- Readiness Center Requirements and Planning
- Real Property Analysis
- Force Structure Analysis
- Capital Investment Strategy
- Area Development Plans
- Range, Training and Maneuver
- Land Planning
- Installation Design Guide
- Automated Master Planning
- Systems Analysis and Support
- UFC 2-100-01 Compliant

PROJECT DESCRIPTION

Rubicon completed the Real Property Master Plan (RPMP) for the Orchard Combat Training Center (OCTC) that included:

- an installation Design Guide (IDG);
- a Range Profile annex that discussed all the ranges and designated maneuver areas at OCTC and utilized by the IDARNG; and
- a Tabulation of Existing and Required Facilities (TAB) and CIS that quantify facility excesses and deficits and provides a roadmap to address those excesses and deficits.

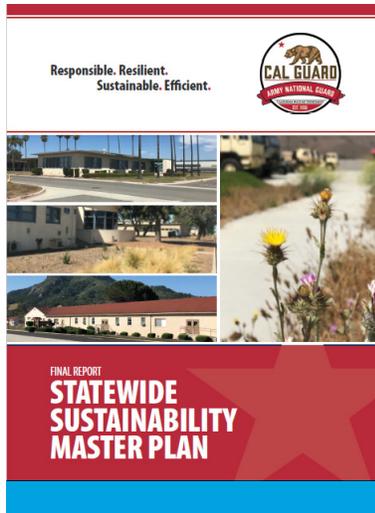
The RPMP reflects the intent of the ARNG to create a premier Armored Combat Training Center of Excellence at OCTC, and supports sustainability, infrastructure development, and long-term vision of the IDARNG, NGB, and the Army. This long-term vision included increasing the annual training throughput at OCTC by as much as two Brigade Combat Teams (BCTs), an increase of more than 8,000 soldiers per year.

The RPMP included an analysis of the populations and force structure that comprise OCTC, an in-depth review of the facilities and real property assets, and the development of a Vision Plan that addresses IDARNG Vision, Goals and Objectives, and Constraints and Opportunities.

Mapping components were developed with the IDARNG CFMO and Master Planning staffs to illustrate the Developable Areas within OCTC; Framework Plans showing current and projected land use; utility and infrastructure Network Plans; and Future Development Plans and alternatives for the best use and deployment of IDARNG assets at OCTC and adjoining Gowen Field.

California Military Department Sustainability Master Plan, CAARNG

STATEWIDE, CALIFORNIA



PROJECT CONTACT

Greg Malley
916-854-3162
greg.j.malley.nfg@mail.mil

PROJECT TYPE

- Sustainability Master Plan

RELEVANCE

- Master Plan
- Sustainable Design

PROJECT DESCRIPTION

The Sustainability Master Plan will guide CAARNG in meeting both federal and state sustainability requirements and goals, identifying actionable sustainability initiatives, and establishing both short- and long-term plans for the system. The Plan focuses on innovative strategies, existing programs, and untapped opportunities at CAARNG installations. Because the plan covers all CAARNG facilities within the state, it presents a system-wide approach to improving sustainability throughout the organization.

Ultimately, plans for short-term and long-term horizons will guide the organization in improving sustainable practices over time. The Short-term Action Plan presents an approach for achieving goals in the near-term. Focusing on “low hanging fruit,” these measures provide clear sustainability benefits in the 1-5 year time frame. The Long-term Action Plan presents broad, visionary elements as part of a sustainability roadmap. This plan focuses on large-scale elements that influence longstanding sustainability throughout the system. Mead & Hunt provided sustainability planning services for the CAARNG Statewide Sustainability Master Plan. The team worked closely with the CAARNG staff to identify opportunities for improvement and to develop action items to enhance sustainability throughout CAARNG facilities over both short- and long-term horizons. Mead & Hunt conducted three multi-day, multi-facility site visits to evaluate baseline conditions for water, energy and waste resources. Using this data, the team developed a baseline inventory to identify areas of opportunity. The Mead & Hunt team developed a roadmap of specific actions, programs, and improvements that would assist the organization in meeting state and federal sustainability requirements and goals.

Training Site Master Plans, MOARNG

CAMP CLARK AND CAMP CROWDER, MISSOURI



PROJECT CONTACT

Kelly J. Otto
573-638-9863, ext. 39863
kelly.j.otto.nfg@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Master Plan
- Force Structure Analysis
- Capital Investment Strategy
- Area Development Plans
- Automated Master Planning Systems Analysis and Support
- UFC 2-100-01 Compliant

PROJECT DESCRIPTION

Rubicon was part of a team to create Long Range Master Plans for Camp Clark and Camp Crowder for the MOARNG. The intent was for the master plans to be flexible, capable of being updated, and modified to keep pace with changes in installation missions and requirements. The master plans serve as informational assessment tools for commanders and other key personnel to facilitate decision-making on land use, development, and construction activities on the training sites. The master plans presented summaries of the installations' capabilities and capacities to accommodate future growth while providing for the responsible stewardship of resources and ability to maintain compliance with regulatory and statutory requirements.

Rubicon provided data analyses, facility requirements analyses and CIS that directly informed the construction and SRM programs supporting the master plans.

Installation Master Plan, CAARNG

JOINT FORCE TRAINING BASE LOS ALAMITOS, CALIFORNIA



PROJECT CONTACT

COL Edward Landrith
916-854-3516
edward.j.landrith.nfg@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Development Planning
- Area Plan Analysis and Design
- Installation Design Guide
- UFC 2-100-01 Compliant

PROJECT DESCRIPTION

Mead & Hunt completed an Installation Master Plan (IMP) for JFTB Los Alamitos located in Los Alamitos, California. This base serves the CAARNG and many other tenants. The objective of the CMD was to create a UFC 2-100-01 compliant installation master plan document that is the guide for accurately planning and executing future requirements at the base.

Mead & Hunt conducted the master planning process following our proven approach of project initiation, data collection, charrette, and documentation. Throughout each phase, we worked collaboratively with CMD to validate data against real requirements, capture CAARNG's vision for the base, and prepare a document that is ready for implementation.

Through our charrette process, we identified the vision of the CAARNG for JFTB Los Alamitos, "A state-of-the-art, multi-use installation capable of supporting current and future operations and training requirements of the California Military Department and its Global, National, and Regional partnerships." This vision was carried through the planning decisions leading to prioritization of facilities and infrastructure that were in direct support of the ongoing and future planned missions at the base.

The result of our effort is an easy to read document that provides clear guidance for future capital investment. A timeline and sequence for development along with costs are included, serving as a reliable tool for future development.

Real Property Master Plan, CTARNG

STONES RANCH, CAMP NIANTIC, AND EAST HAVEN RIFLE RANGE, CONNECTICUT



PROJECT CONTACT

CSM David Moorehead
860-493-2738
david.w.moorehead.mil@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Development Planning
- Capital Investment Strategy
- Area Plan Analysis and Design
- Plan Summary and Compliance
- Installation Design Guide
- UFC 2-100-01 Compliant

PROJECT DESCRIPTION

The IMP presented the state of and vision for the Connecticut Training Center (CTC) in a comprehensive and graphic format for reference when expansion or reconfiguration is necessary. Located in southern Connecticut the CTC comprises three separate installations: Stones Ranch Military Reservation, Camp Niantic, and East Haven Rifle Range. The report established a planning framework, a long-range vision, recommended solutions for identified issues at each installation, and outlined planning standards to help create a training center that provides world-class facilities and customer service.

Mead & Hunt led a week-long charrette process, representatives of the CTARNG, tenants, and other stakeholders developed a vision, identified issues, and created requirements- and vision-based development alternatives. From all these activities, a preferred plan was proposed, briefed to and approved by leadership, and incorporated into the IMP.

The IMP process is designed to provide a five-year (short-term), six- to 10-year (mid-term), and 11- to 20-year (long-term) look at facilities requirements for the CTC. In addition to a review of the training center requirements, a requirement and needs-based plan was provided, and an illustrative siting of future facilities. The IMP also provides suggested phasing for logical growth at the CTC for the primary mission of Readiness Model Training. During the charrette, stakeholders were divided into three groups facilitated by Mead & Hunt, and each group was tasked with creating a course of action (COA) based on specific guidelines. Discussion regarding these COAs helped define the preferred plan. Elements of the preferred plan include transient unit facilities, maintenance, readiness center, access control point, circulation, training and medical facilities.

Master Planning & Real Property Data Management Support, AKARNG

ANCHORAGE, ALASKA



PROJECT CONTACT

MAJ Tracey Trudell
907-428-6116
tracy.a.trudell.mil@mail.mil

PROJECT TYPE

- Master Planning

RELEVANCE

- Real Property Analysis
- Force Structure Analysis
- Requirements Development
- Automated Master Planning Systems Analysis and Support



PROJECT DESCRIPTION

Rubicon is working directly with the AKARNG CFMO and Master Planner to support the automated planning systems used by the Army Master Planning community – the RPLANS, the ASIP, the FMS, the ISR, and the HQIIS, and PRIDE.

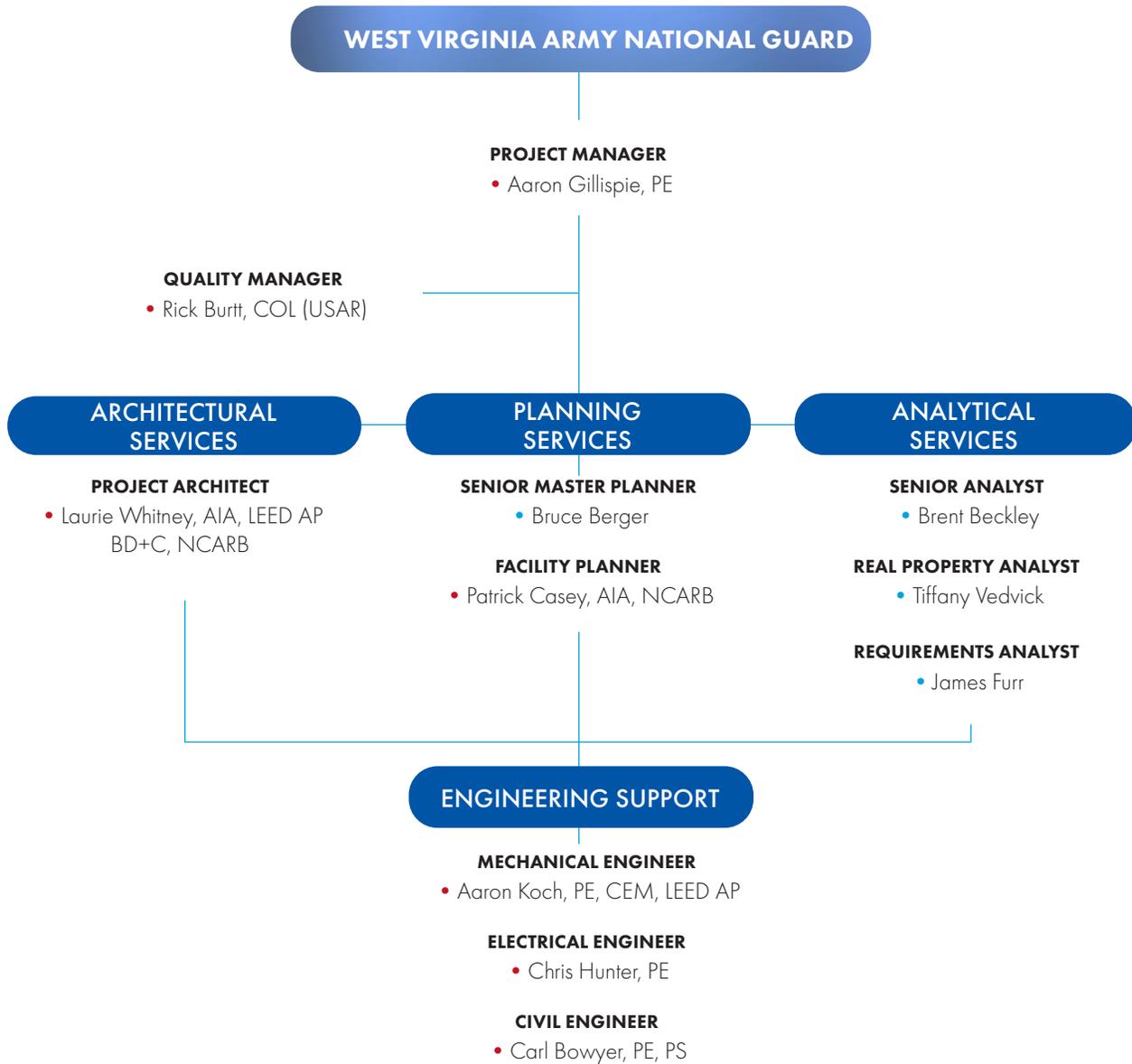
As part of this project, Rubicon provides requirements analysis and continuous RPLANS edit support for Readiness Centers in Alaska, and has adapted a methodology to estimate approximate MILCON project costs to be used in lieu of the National Guard's ENBOSS system (which has been down for several months, and will remain so for an indeterminate time). The process simulates an actual DD Form 1390/91 and will assist the staff in completing MILCON documentation while the ENBOSS system is down.

Rubicon is also providing training across a suite of automated systems, to include the Real RPLANS, the ASIP, HQIIS, Force Structure Management Web (FMSWeb), ISR, and PRIDEweb. Training is not limited to the maneuvering through the system, but to understanding the data and inputs, analyzing and validating the output, and using the data within the system to improve the installation plan and help tenant organizations meet their missions.

Rubicon has been able to identify errors in force structure data (ASIP), data alignment issues between HQIIS Sites and ASIP STACOs, real property errors in PRIDE, and requirements errors in RPLANS, and Rubicon has helped prepare edits and justifications for these errors.

Proposed Project Management

ORGANIZATIONAL CHART



Key
 • Mead & Hunt
 • Rubicon

APPROACH AND METHODOLOGY

WORK TO BE PERFORMED

The WVARNG is seeking a professional planning team to lead a comprehensive Statewide Installation Master Planning process. The expected outcome is a clear plan for the development of real property that is consistent with the vision, goals, and objectives of the Adjutant General over the next 10-year horizon. This plan will be fully compliant with UFC 2-100-01 and NGB guidance for Installation Master Plans, incorporating the data collected and analyzed along with an assessment of area functionality as an outcome of this process. By meeting this objective, the plan will lead to sound decision-making for real property development and will help to support authorization of funds for these future projects. To achieve this objective, the Statewide Installation Master Plan must be created by a team with unmatched planning experience for the ARNG who is focused on collaborating with your stakeholders to develop a plan that is uniquely yours while also conforming to national requirements. That team is the Mead & Hunt/Rubicon team.

APPROACH

Our approach is unique and offers added value to the WVARNG. We will lead your master planning project with seasoned ARNG planning professionals who have both personal and professional military experience. These professionals know what “right” looks like because they’ve lived it. They understand how to analyze your data and collaborate with you to incorporate West Virginia’s vision for the next 10 years. We offer the only master planning team dedicated to ARNG planning with subject-matter experts who’ve walked in your shoes. Our Senior Master Planner, Bruce Berger, has served in countless roles at NGB; developing, implementing, and providing nationwide instruction for the ARNG on all aspects of real property planning. In addition, our Quality Manager, Rick Burt; Senior Analyst, Brent Beckley; and Facility Planner, Patrick Casey, have all served in the military. The deep personal experience each of these team members brings to the project sets us apart. In addition to our planning expertise, we’ve incorporated our readiness center experts into the team to address the unique requirements of these facilities as these are the majority of the assets to be considered in the master plan. These team members have delivered design for more than a dozen readiness centers and contributed to the nation’s RCTMP. Working with the Mead & Hunt/Rubicon team will result in an installation master plan that is specific to the WVARNG and is the culmination of your vision, the real-life experiences of our team, the data commonly available, and the analysis that only our team can offer.

METHODOLOGY

Our methods are characterized by communication, collaboration, and targeted analysis. We understand how important this project is for the future of the WVARNG, and actively incorporate you into the development process to make the master plan your plan. Our Project Manager, Aaron Gillispie, will communicate clearly and frequently. He will establish regular progress meetings to check in, will identify the data needed for the plan, and will coordinate the stakeholders and logistics for our master planning charrette. Collaboration is the underlying spirit of our work and will be evidenced during the master planning charrette and during our progress meetings. Finally, our team provides targeted analysis that no other team provides. Drawing on our expertise and proven techniques, we go beyond the surface to deeply analyze your data through an ARNG lens. This creates real planning solutions that are sustainable, actionable, and aligned with UFC directives.



RESOURCES NEEDED

Drawing upon our past experience leading successful installation master planning efforts, we've assembled a project team that best suits the needs of this project and is available to meet your schedule. This ideal team includes industry leaders in ARNG design and master planning with local civil engineering to serve your infrastructure planning needs. Our team includes:

- Mead & Hunt, Inc. – a national leader in ARNG planning and design with local office in West Virginia
- Rubicon Planning, LLC – a global leader in ARNG master planning

The team presented in our proposal is the team you will work with. Our strategy is to provide you with a core team of highly competent and experienced personnel who will lead the project. These team members maintain focus on your project goals and are supported by nearly 900 architects and engineers who provide additional strength to meet project deadlines. The successful core master planning team will include the following roles:

- Project Manager – responsible for maintaining the project scope, schedule, and budget
- Quality Manager – responsible for seeing that the work products meet or exceed ARNG standards
- Architect – responsible for analyzing building layouts and validating current assets against authorized needs
- Senior Master Planner – technical leader for all planning efforts
- Facility Planner – responsible for planning siting for vertical structures and developing design standards
- Senior Analyst – responsible for analyzing data and transforming it into meaningful information
- Real Property Analyst – responsible for assessing real property needs
- Requirements Analyst – responsible for assessing ARNG requirements
- Mechanical Engineer – responsible for analyzing building HVAC and plumbing systems and developing plans for modernization or repair
- Electrical Engineer – responsible for analyzing building electrical and technology systems and developing plans for modernization or repair
- Civil Engineer – responsible for planning horizontal features and utilities

In addition to our staff resources, the successful installation master plan will rely on the availability of key stakeholders from the ARNG and access to critical data to inform the planning outcomes.

EXPERTISE, CAPABILITIES, AND TECHNICAL COMPETENCE

The Mead & Hunt/Rubicon team consists of professional services providers who have the specialized expertise and capability to complete all project requirements listed in Expression of Interest and as required for a successful Installation Master Plan. We have read the Scope of Work and are experts in delivering UFC 2-100-01, Installation Master Planning compliant master plans. We understand the work to be performed and are prepared to accomplish it as follows:

1. **PROJECT INITIATION:** Following the notice to proceed, our Project Manager, Aaron Gillispie, will coordinate a kick-off meeting and orientation with all project team members. During this meeting, we will get to know each other as teammates. We'll listen to your vision for the project and any special considerations you have for our team. Next, we will present our work plan which includes the proposed communication plan, schedule, and process for transmitting information. We will share our list of the documents we need to begin our analysis. Finally, we will identify all project stakeholders and develop a matrix with you detailing which activities each stakeholder needs to be a part of.

- 2. DATA COLLECTION:** As our team receives information from you, it will be logged and reviewed by the planning team. We will systematically analyze the information collected to identify opportunities and constraints, and build graphics and models that will be used during the master planning charrette. We know what data to collect and what to look for because we teach the Army how to do this work. We will also use this time to review all pertinent UFCs, codes, standards, guidelines, and requirements. To gain insight from the entire group of stakeholders, we typically issue surveys which are then reviewed and collated. These surveys in addition to our independent review of your data form the basis for interviews that are held with key personnel as selected by the CFMO staff. This two-step process provides the opportunity to engage many people while focusing more intense conversations with a handful of staff. To prepare for the master planning charrette, we will bring our analysis together into meaningful drawings, diagrams, and graphics that distill the information into clear requirements and planning influences. Finally, we will coordinate the logistics of the master planning charrette with you and the other stakeholders to see that the right people are available and that we have the room and resources needed. Our proven data collection methods result in a team who is ready to lead the master planning charrette, offering relevant solutions that work for your state and needs.
- 3. VISIONING:** Visioning is the key step in a successful master planning process. The Mead & Hunt/Rubicon team will facilitate the visioning process to develop a shared, detailed understanding of the requirements of the WVARNG and will assist with the identification of critical issues that could potentially impact the project's outcome. The visioning process includes interviews and input sessions with WVARNG and a management scan session to create a vision for mission-readiness for the next 10 years. These typically occur during our week-long master planning charrette which includes a visioning session with key stakeholders. During the visioning session, we will bring forward the information gleaned from previous surveys and interviews and listen to the guiding direction offered by WVARNG leadership. The product of this session is the Vision Plan which will define ideal development principles for maximizing the state's long-term capabilities while meeting the near-term requirements.
- 4. INSTALLATION MASTER PLANNING:** Following the visioning session of the master planning charrette, we will share our analysis of your data, listen to your additional input, and together engage in the work of real property development planning.

The Mead & Hunt/Rubicon team differentiates ourselves by incorporating accurate, auditable, repeatable, and relevant facilities requirements into the plans. These requirements are based on force structure analyses derived from your missions applied to established Army and National Guard planning criteria. We engage our resources and contacts across the Guard to validate and combine data, information, and products from the RPI, NG Design Guides, CIS, and other applicable documents. This results in requirements that reflect your mission within national authorizations. We will balance these requirements against West Virginia's existing assets to determine facility excesses and deficits and create mitigation strategies such as: force structure, real property, and requirements correction edits; facility reclassification; facility reassignment; new construction/demolition; and renovation. These strategies lead to actionable items for future development as detailed in the CIS.

Our team considers the planning impact of military/installation missions, functions of the facilities, and specialized guidance from leadership to define these plans. Weaving these factors together results in a flexible and dynamic master plan that is more reflective of the actual needs of the state. Together, we will collaboratively develop several planning alternatives or courses of action. We will identify a preferred alternative that best meets WVARNG requirements and will document each aspect of that plan.

5. **REAL PROPERTY DEVELOPMENT PROGRAM:** All of the work described in earlier sections is incorporated into the overall Real Property Development Program. The program includes the project listing and CIS, the real estate actions including disposal actions and other applicable development actions, and ends with program development. The program is the nuts and bolts plan for developing real property across West Virginia. Here, the preferred alternative is further advanced with development strategies focused on actual funding sources to establish short-, medium-, and long-term objectives (loosely SRM, unspecified MILCON, specified MILCON). This will allow the installation to develop and support the plans along multiple perspectives and help justify future development funding.
6. **PLAN SUMMARY:** The Installation Master Plan Summary brings everything together in brief narrative. We have found great success in providing robust appendices with this plan summary to provide “at your fingertips” detailed information to support the summary.
7. **COMPLIANCE:** By selecting the Mead & Hunt/Rubicon team, you can rest assured that the IMP will be compliant with UFC 2-100-01. We will include an appendix that clearly demonstrates how compliance has been achieved.
8. **PRODUCTS:** The IMP will bring together all of the data, narratives, plans, illustrations, and investment strategies in a final document. We value the input and comments from the WVARNG and propose to provide a Draft submittal in electronic format for Government review with a page-turn meeting to review any comments. During that review meeting, we will discuss the comments received and will provide WVARNG with written responses to each comment detailing the actions taken. These comments will be incorporated into the final submittal which will include an electronic copy of the document and hard copies of the document.

Quality and Cost Control Plans

QUALITY OF WORK

The quality of our work results in satisfied clients who continue to come back to our team for professional services. This has led to relationships that span decades. These repeat customers make up more than 90 percent of Mead & Hunt's work.

Our team's corporate Quality Practices Manual (QPM) provides the framework for, and QA/QC requirements to develop, detailed Quality Assurance Project Plans (QAPPs) and Quality Management System implementation procedures to meet client requirements.



QUALITY ASSURANCE PROCESS

Our quality assurance process applies the fundamental principles of a four-step Plan-Do-Check-Act model of continuous improvement. The process begins with the Plan step by developing an internal Project Management Plan (PMP) based on the project's scope of work (SOW). The PMP identifies key personnel and responsibilities, the process for communication with points of contacts, the internal review process for all deliverables, project milestones, and a Health and Safety Plan, if needed.

Step 1: Plan – The success of a project or task is highly dependent on proper planning. Quality is built into the project at the planning stage. Our QAPPs define:

- Mead & Hunt/Rubicon roles and responsibilities
- Customer requirements
- Key program and project elements
- Processes and steps to be taken
- Identified risks and mitigation

Step 2: Do – Key elements to implementing, inspecting, and completing the QA/QC process include the following:

- Communicating the plan and its importance to the team
- Identifying actions needed to be successful and clearly defining quality objectives
- Executing the plan through procedural and regulatory compliance
- Providing status of actual progress versus plan intentions
- Conducting self-inspection of work as it progresses
- Stating the completion requirements of the project when the project begins

Step 3: Check – During a project, the process of collecting data for and evaluating a document and the project against the criteria established during the planning phase is continually occurring through document checks and project reviews:

- Document checks are conducted through Project Manager, peer technical, and editorial reviews.
- Project reviews check the status of project objectives, including schedule, scope, budget, quality, and quality objectives as defined in PMPs and work plans, and final customer reviews and acceptance.

Step 4: Act – After the Check step is performed, either work continues as planned, or deviations are identified. If deviations are identified, the plan needs to be changed, the process needs to be changed, or a combination of the two. Acting on deviations identified in the Check step will result in a corrective action plan that includes lessons learned, event reports, corrective actions, and continuous improvement.

PROJECT SCHEDULING

Both Mead & Hunt and Rubicon are well-known for complying with delivery schedules and responding to customers' work requests quickly, accurately, and with the highest level of quality. Our Project Managers develop a detailed milestone schedule based on requirements of the SOW and through communication with the Client and key stakeholders. We regularly assess the workloads of key staff to see that the right people are available at the right time to meet or beat the schedule. The team has the depth of resources to extend to nearly 900 additional qualified professionals so that we can always meet our commitments. Our Project Managers look for effective ways to shorten the project schedule to allow for flexibility when the client's needs change or delays occur in the receipt of key information or during external document review periods.

PROJECT SCHEDULING CASE STUDY

In 2018-2019, after a tornado at Camp Ripley, Mead & Hunt was tasked with completing the design a \$25M program of four MILCON training center facilities. Normally executed over a 12-month period, the team was given six months due to fiscal year funding requirements. Mead & Hunt worked directly with the owner and NGB Facility Management Engineer to deliver bid documents in five months. All projects successfully bid and the MNARNG was able to continue annual training, only losing one summer during construction.

COST CONTROL

Cost Control is of paramount importance in the overall success of the project. The effectiveness of our team's cost control capability is best demonstrated through our performance on projects:

- 72 percent of Mead & Hunt's CPARS ratings over the last five years have been "Exceptional" or "Very Good" for Cost Control with zero ratings below satisfactory
- Rubicon experienced numerous major scope changes in the OCTC master plan as requirements evolved. By working with the client and keeping clear and open communications, they were able to adapt their approach to the new requirements with no increase in cost to the client.

Negotiating collaboratively on the SOW, carefully preparing cost estimates, and strictly adhering to schedules have been our most effective tools for controlling cost on fixed-price contracts. Our web-based cost management and reporting systems provide Project Managers with the ability to execute projects independently, but within a management approach that delegates decision-making and, through programmatic oversight, making safe, consistent quality performance, on schedule and within budget.

Our Financial and Management Information Systems enhance our ability to manage multiple complex projects and control direct and indirect costs. At the core of our overall system are seven Government-audited financial and cost tracking systems. All of our Government-audited financial and cost-tracking systems have been determined to be compliant and adequate:

- Accounting system
- Billing system
- Estimating system
- Purchasing system
- Cost Accounting Standards Disclosure Statement
- Government property management system
- Timekeeping/labor system

Our PMP requires that each Project Manager reviews the project's budget against the work plan weekly to see that the project is being accomplished within the approved budget. In addition, periodically (the frequency depends on the size of the project and client requirements, but never less than once quarterly) the project is audited by our financial controller and a vice president during a Project Evaluation and Estimate at Completion review meeting. The purpose of the review meeting is to perform a cost control review of the project to see that the Project Manager is able to complete the scope of work as required by the contract.

- Our QA/QC program's success is based on project planning excellence, quality of work, responsiveness to client needs, and dedication to reliable performance that complies with schedules. Our QA Program promotes excellence, program conformance, schedule maintenance, budget control, and minimization of errors and omissions in project deliverables.
- Along with cost control and QC, our internal Project Management Manual places "Schedule Adherence" as one of the most important aspects of a successful project. Our Project Manager maintains effective communication channels with the client representatives to inform them of any possible critical path issues so appropriate adjustments can be made well ahead of deliverable milestones. In other words, we will work closely with the client to see that there are no last-minute surprises.

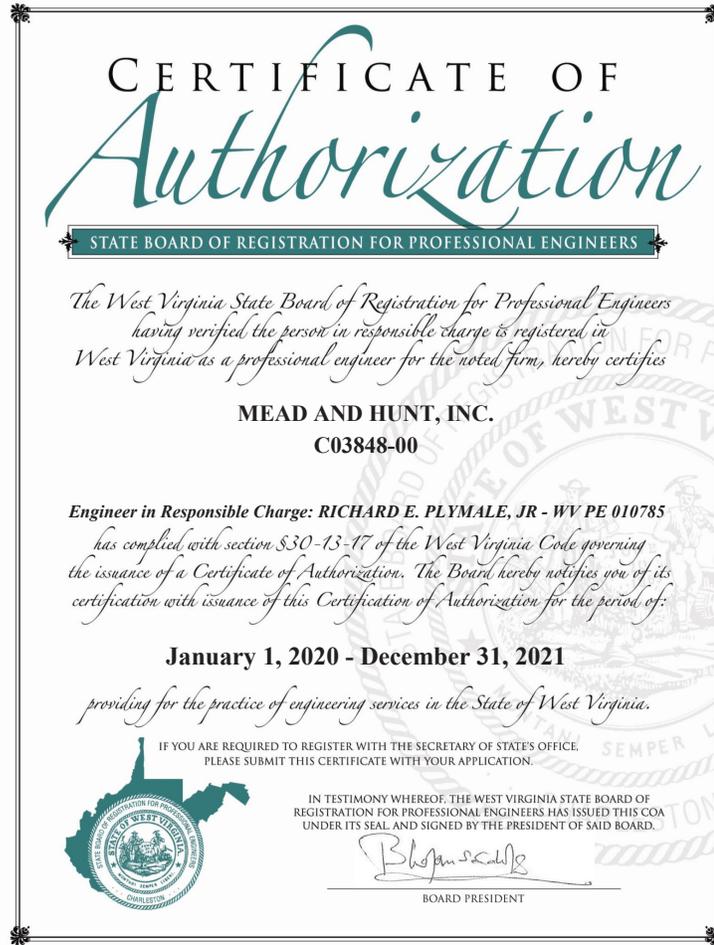
...[Mead & Hunt] assigned a qualified staff that were able to identify challenges and weaknesses, determine appropriate objectives and set realistic mission appropriate goals. They also met with all utility providers and stakeholders to develop detailed utility plans and scopes of work. The QA/QC process provided for a thorough review of deliverables and allowed for the approval of the RPMP at the NGB level with negligible corrections as well as being the first plan to include an approved NEPA.

– Excerpted from EXCEPTIONAL CPARS rating for
CTARNG Installation Master Plan, Connecticut

Certifications/Licenses

MEAD & HUNT CERTIFICATE OF AUTHORIZATION

Number: C03848-00



RUBICON PLANNING, LLC

Vendor Number: VS0000028203

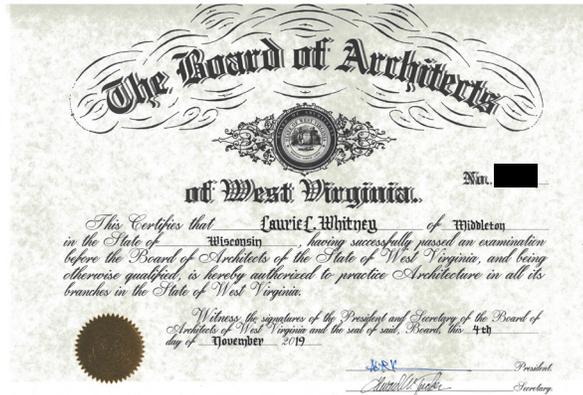
AARON GILLISPIE

Number: 014859



LAURIE WHITNEY

Number: 5193



AARON D. KOCH

Number: 016892



CHRISTOPHER MICHAEL HUNTER

Number: 022352

Licensure Verification

Search: Details

Name:	CHRISTOPHER MICHAEL HUNTER
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 05/01/2017
	PE Expiration Date: 12/31/2020
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 32.00
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/4/2018
WV Engineer Intern:	EI Certification Number:
	EI Issue Date:
Primary Address of Record:	2440 DEMING WAY MIDDLETON, WI 53562
Primary Employer of Record:	MEAD & HUNT, INC. 2440 DEMING WAY MIDDLETON, WI 53562
	* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

This data was retrieved on 8/12/2020.

CARL J. BOWYER

Number: 1058

2021 WEST VIRGINIA PROFESSIONAL SURVEYOR 2021

The West Virginia Board of Professional Surveyors certifies that the individual listed below is a PROFESSIONAL SURVEYOR who has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2021



CARL J. BOWYER
P.S. [REDACTED]



Board Members
 Sefton Stewart, P.S., Chairman
 Tom Rayburn, P.S., Secretary
 Gary Fackemyer, P.E., P.S.
 Lantz Rankins, P.S.
 Douglas McElwain, Inc.

Issued
07/01/2020



Expires
06/30/2021

License Number
[REDACTED]

2021
State of West Virginia
Board of Professional Surveyors



CA [REDACTED] ER
[REDACTED]
has qualified for a license under Chapter 30, Article 13A, Code of West Virginia, and has met the requirements for license renewal for the period ending June 30, 2021

Expires:
06/30/2021

State of West Virginia
Board of Professional Surveyors
1124 Smith Street, Suite 812PC,
Charleston, WV 25301
Phone (304) 558-0350
Fax (304) 558-0352
Website: www.wvbps.wv.gov
Email: wvbps@wv.gov



Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest
 02 – Architect/Engr

Proc Folder: 761839

Doc Description: WVARNG Statewide Installation Master Plan

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-07-30	2020-08-19 13:30:00	CEOI 0603 ADJ2100000003	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:

Mead & Hunt, Inc.
 400 Tracy Way, Suite 200
 Charleston, WV 25311
 304-345-6712

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
 (304) 558-2544
 tara.l.yle@wv.gov

Signature X  FEIN # 39-0793822 DATE 8/18/2020

All offers subject to all terms and conditions contained in this solicitation

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

 Vice President

(Name, Title)

James A Bumgarner, Jr., PE, Vice President

(Printed Name and Title)

400 Tracy Way, Suite 200, Charleston, WV 25311

(Address)

304-345-6712 / 304-345-6714

(Phone Number) / (Fax Number)

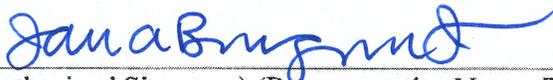
jamie.bumgarner@meadhunt.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Mead & Hunt, Inc.

(Company)



(Authorized Signature) (Representative Name, Title)

James A. Bumgarner, Jr., PE, Vice President

(Printed Name and Title of Authorized Representative)

8/18/2020

(Date)

304-345-6712 / 304-345-6714

(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Mead & Hunt, Inc.

Authorized Signature: *Jana Brugman* Date: 8/18/2020

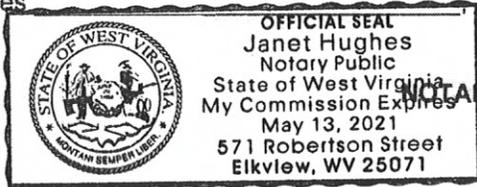
State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 18th day of AUGUST, 2020

My Commission expires 5-13, 2021

AFFIX SEAL HERE



NOTARY PUBLIC

Janet Hughes

