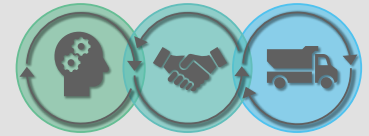




mcfa Capabilities

USACE Louisville District



SAME
Kentuckiana
Post
Small
Business
Workshop
2023



Proud to be a CVE Verified Service-Disabled Veteran-Owned Small Business



OHIO RIVER GREENWAY Public Access Project
Clarksville, IN

EXISTING LEVEE TRAIL

RECONSTRUCTED TRAIL CROSSING OF EAST REVERSING DRIVE

NEW TRAILHEAD AT EXISTING PARKING

NEW CONSTRUCTION TO EXISTING TRAIL

FALLS OF THE OHIO STATE PARK

PENNSYLVANIA ROAD BRIDGE

RECONSTRUCTED PARKING, OVERLOOK AND INTERPRETIVE AREA AT DAM

ASHLAND PARK

LEVEE

12' TRAIL (TYP)

20' ROADWAY (TYP)

RECONSTRUCTED PARKING AND TRAILHEAD

INDUSTRIAL AREA

W MARKET STREET

EAST WARDEN ROAD

OHIO RIVER

Scale: 0 1/8 1/4 1/2 Miles

**Figure E-1
Shepherdsville City Park Master Plan**
February 2020

Circulation Elements:

- Existing Roadways
- New or Reconfigured Park Roadways
- Paved Trails
- Cross-Country Trails
- Wetland Boardwalks
- River Access Point
- River Overlooks

Park Features:

- Park Boundaries
- Existing Tree Stands
- New Tree Plantings
- Park Structures
- Parkable Structures
- Parking Available
- Regulatory Floodway Corridor
- Town Square Transformation
- Town Square Amenities
- Right turn inside only from W 4th street into Backman Street

Scale: 0 100 200 300 Feet

Logos: mcfa, juniper, City of Shepherdsville, City Park Master Plan, City of Shepherdsville, City Park Master Plan

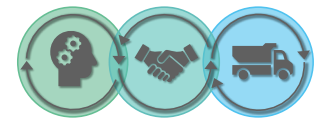
mcfa juniper

- [illegible]



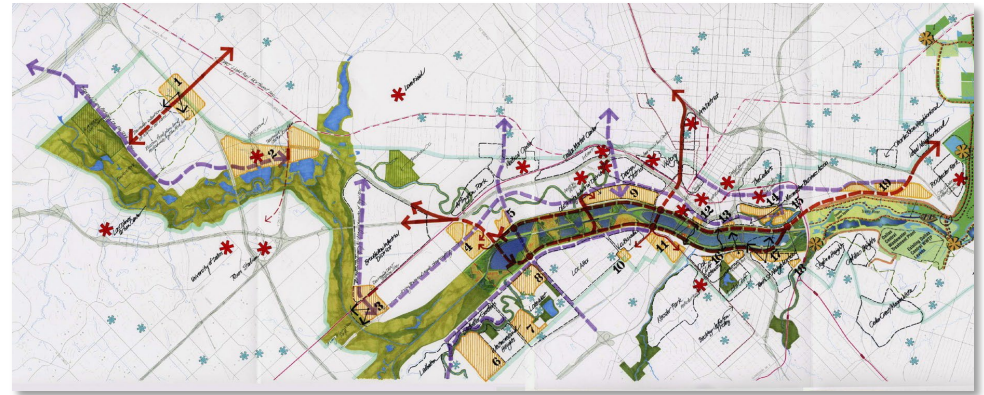
20th anniversary logo for the McFA (Midwest College Football Association). The logo features a circular emblem with the number '20' in the center, 'mcf' below it, and 'INSPIRING PEOPLE PLACES' at the bottom. The text 'TWENTY YEARS OF' is written around the top inner edge of the circle. To the right of the emblem, the letters 'mcf' are written in a large, bold, lowercase sans-serif font.

mcfa Unique Services for USACE Civil Works Programs



■ Urban Watershed Land Planning Studies

- Perry Creek Flood Control – Sioux City, IA
- Trinity River Economic Development Plan – Dallas, TX
- City Park Master Plan/Salt River Flood Control – Shepherdsville, KY



■ Real Estate and ROW Agreements

- ECOP and EUL – Adelphi Lab Center, MD
- ECOP and land exchange – Arlington National Cemetery, VA

■ Disaster Response and Recovery

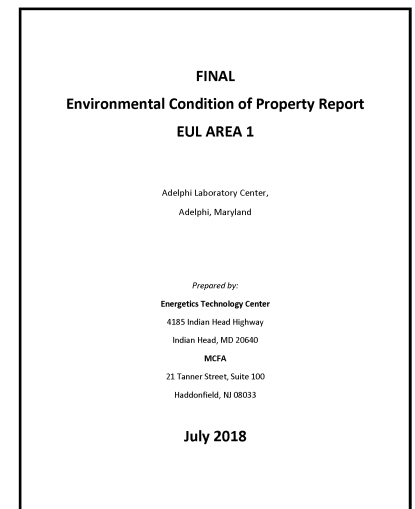
- Super Storm Sandy, Hurricane Irene, Isabel, and Katrina

■ Wetland and Shoreline Studies

■ Utility Relocations and Coordination

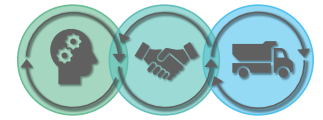
■ GIS and Aerial Drone Surveys

■ Community Planning and Stakeholder Engagement



Examples of *mcfa's* support capabilities include the **Trinity River Corridor Master Plan** collaboration between USACE Fort Worth and the City of Dallas executed in the late 1990's (top) to the Philadelphia Navy Yard Utility Improvements CM (lower left) and **Environmental Condition of Property Report** for land exchange/acquisition support services for Army Research Labs in collaboration with the USACE Baltimore (lower right) from 2018.

mcfa Relationships with USACE Louisville Team



■ Current/Recent Projects

- Amanda Weinert
- Shelly Davis
- Maggie Thacher
- Kelley Parker
- Maren Lane
- Keith Keeney
- Dan Vogler
- Tom Ralston
- Rachel Williams
- Rachel Phillips

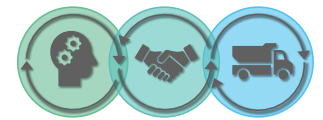
■ Past Projects

- Doug Poul
- Matt Lowe



*MCFA planners have a long history of working with key USACE Louisville SMEs in support of the planning, design and execution on a wide variety of projects including the recently completed **Scott AFB CDC Planning Charrette**, May 2021 (top) and the **Fort Knox Human Resource Center of Excellence** sustainable design and construction LEED Silver Certification documentation, 2011 (bottom)*

mcfa VA Strategic Capital Investment Planning

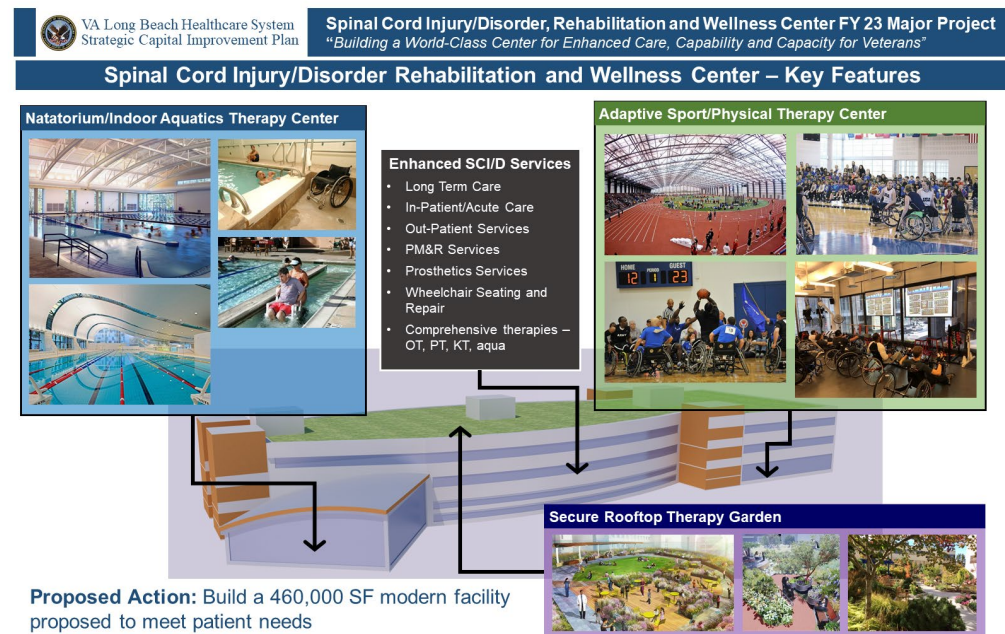


■ VA Long Beach Medical Center

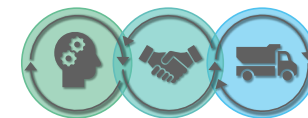
- Campus Master Planning
- 5- and 10-Year Strategic Capital Improvement Plan
- Business Case Analysis
- Economics and Market Analysis
- Major Project SCIP Submittals
 - New 450,000 SF/\$700 million SCI/D and Building 150 Renovation/Re-Use Major
 - 4 Buildings Seismic Retrofit Majors
 - New OR Tower Project Major
- Space Planning and Analysis
- Parking Demand Model
- Facility Condition Assessments
- Capital Asset Inventories
- Facilities Management System/Computerized Capital Assets

■ VA Waco, TX EUL Veteran's Housing

- Real estate feasibility studies
- Economic studies
- Site survey/planning

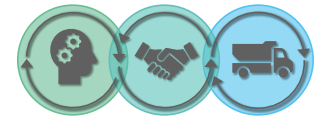


VA Long Beach SCI/D Economic and Business Case Analysis – Services and Deficiencies Summary



Issue	Status	Notes/Comments	Impact
Compliance with VA Directive 1176(2) and NOV 2020 SCI/D Design Standards	RED	Facility lacks space and ability to comply with referenced standards in many areas outlined in VHA Directive 1176(2) and current November 2020 SCI/D Design Guide.	In-Patient Beds are currently provided largely through quad occupancy rooms (15 rooms or 60 beds, almost 70% of capacity) and little space exists for patient consultations in private settings
Adequacy of Space to Support Programs and Services	RED	According to Sept 2020 CAI data, current building is deficient by close to 93,000 GSF of space between existing compared to ideal standards. Also, many support services are scattered across multiple buildings or outsourced to off-site providers due to lack of space in Building 150.	Services, convenience, capacity and wait times are currently sub-optimal for many services and patients and limit the ability to meet quality and timeliness metrics. A full SEPS package and SCIP update for the project are being finalized in April and May 2021.
Infrastructure Capacity to Support Programs and Services	RED	Building electrical and communications systems cannot meet demand of modern equipment and requirements	Key patient services and equipment cannot be supported adequately such as patient lift systems and telehealth consultation
Denied Long Term Care Patients	RED	From 2016-2020 there have been 57 applications for LTC beds but only 6 (11%) were accepted due to lack of space.	As one of the few SCI Centers with LTC beds, VALBMC has had to reject almost 90% (51 patients) of those applying over the past 5 years since standing up this capability with 12 beds in 2015
Patient and Staff Safety	AMBER	Building is deficient in access control, activity monitoring and processing/holding areas for visitors in the lobby	Patients and staff are not fully protected from threats from visitors, pathogens, or criminal activity in some areas of the building, such as the entry lobby and roof-top garden
Building Seismic Resiliency	AMBER	Building meets seismic and life standards for time of construction in the 1980's but does not meet current seismic standards set forth in 2019 California Building Standards Code (2019 CBC)	Significant seismic upgrades would need to be programmed as part of any major building renovation program which would likely disrupt or limit use of entire floors and/or building during construction
Facility Condition Deficiencies	AMBER	Basement level of B150 suffers from water leaks and damage from water intrusion. Building mechanical systems and infrastructure are at capacity and cannot support key patient lift equipment needed. Seismic concerns exist due to the building's age and structural deficiencies.	Building envelope has water leaks and building does not have the ability to meet power and technology demands of current SCI/D patient equipment, is not compliant with current room occupancy standards and does not meet standard of the 2019 CBC for seismic resiliency
Building Age/Useful Life of Current Facility (Building 150)	AMBER	Building is at the end of its initial 40-year useful life in 2028. Planning for a replacement facility is needed now.	Substantial renovation and modernization of Building 150 will need to be programmed soon and can best be undertaken if SCI/D services are relocated to a new facility prior to renovation
Cost Impacts from Outsource Key Services and Cost/Benefit of Building a New Facility with a 40 Year Useful Life	AMBER	Key therapeutic services and treatments cannot be provided at VALBMC due to space limitations and lack of facilities. This results in more than \$3 million in costs which could total \$200-300 million over the next 40 years if no new facility is built	Patient time and travel inconvenience, impacts to staffing efficiencies and increasing costs to VALBMC occur due to outsourcing key services that would be more economically provided on-site with a new, larger SCI/D Center.

mcfa Overview



■ Highlights

- Track record of excellence since 2003
- CVE Verified Service-Disabled Veteran-Owned Small Business
- Recognized expert in public/private partnership for facilities and energy
- Mission-centric focus and project execution approach

■ Industry-Leading Experts

- Strategic planning and resiliency
- Expedited project development
- P3 financing for facilities and energy projects for agencies and industry

■ Primary Market Sectors

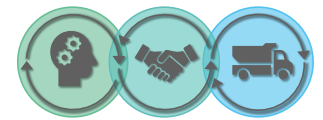
- Federal Agencies - DoD, DoE, DHS, VA, GSA, NPS, BLM, and DoS
- Local and State Transportation Agencies
- Academic Institutions
- Private Development



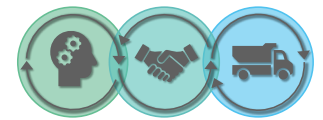
mcfa delivers results. The firm's successes for our clients include strategic planning and execution of USACE Louisville Community Assistance to the State's program for the City of Shepherdsville, KY (top) to wholesale transformation of the Christina Riverfront in Wilmington, DE (bottom).

What mcfa delivers

Interlinked services to lead customer program and project lifecycles



mcfa Resiliency Competencies



■ Infrastructure Resiliency Strategies

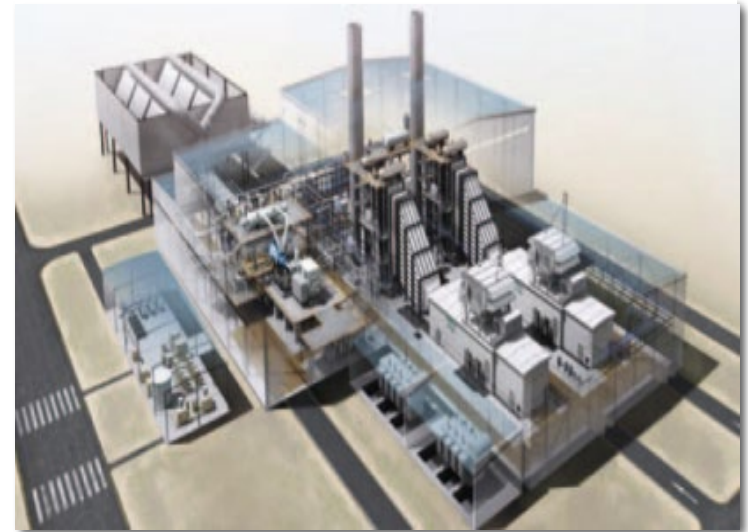
- Strategic planning and programming expertise
- Experience with DoD, civil works and institutional portfolios
- Innovative value capture and asset monetization results

■ Resiliency and Security Projects

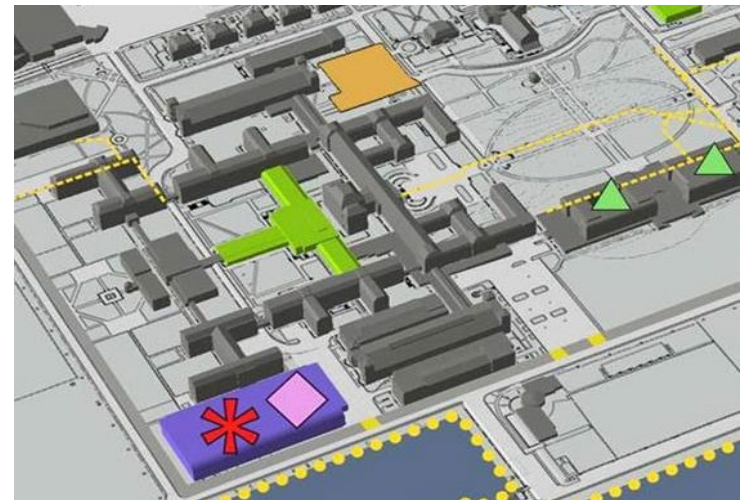
- Public/private energy financing expertise
- Experience with FTA, DOE, DOD energy projects
- 500 MW systems currently under development

■ Program Execution

- Master Planning/Facility Management
- Public/Private facilities and infrastructure financing
- Coordinating internal/external agency processes
- Navigating political and stakeholder interests
- ROW acquisition and collaborative local sponsor planning and compatible use development strategies

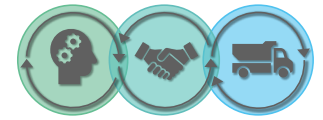


Energy Public/Private Venture concept under development at Joint Base McGuire-Dix-Lakehurst, NJ



Storm resiliency improvements, U.S. Naval Academy, Annapolis, MD

Doing Business with mcfa



■ NAICS Codes

- 236220 - Commercial and Institutional Building Construction
- 531390 - Other Activities Related to Real Estate
- 541310 - Architectural Services
- 541320 - Landscape Architectural Services
- 541330 - Engineering Services
- 541512 - Computer Systems Design Services
- 541519 - Other Computer Related Services
- 541611 - Administrative Management & General Management Consulting Services
- 541618 - Other Management Consulting Services
- 541620 - Environmental Consulting Services
- 541690 - Other Scientific and Technical Consulting Services
- 541712 - Research & Development in the Physical, Engineering & Life Sciences
- 541990 - All Other Professional, Scientific, and Technical Services
- 561110 - Office Administrative Services
- 561210 - Facilities Support Services

■ Prime Contracts

- Master Planning IDIQ – USACE Louisville
- A/E IDIQ – Army Research Laboratory
- Program Management Support – APG DPW
- Real Estate Program Management Services – New Jersey Transit

■ Select Subcontractor Contracts

- PIA Contract – Army Research Laboratory
- Master Planning IDIQ – Tobyhanna Army Depot, USACE Philadelphia District
- A/E IDIQ – USACE Wilmington District
- A/E IDIQ – USACE Philadelphia District
- A/E IDIQ – USACE New York District
- A/E IDIQ – USACE Baltimore District
- A/E IDIQ – USACE Mobile District
- A/E IDIQ – USACE Jacksonville District
- A/E IDIQ – DHS/USCG
- A/E IDIQ – GSA NCR and Region 5
- PMO/GEC – Delaware River Port Authority
- A/E IDIQ – National Park Service