

## Matthew R. Morris, P.E., LEED A.P.

Senior Instructor  
University of Colorado Boulder  
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### EDUCATION AND PROFESSIONAL REGISTRATION

**University of Colorado**, Boulder, CO - *Master of Science, Civil Engineering*, 2002

**University of Colorado**, Boulder, CO - *Bachelor of Science, Civil Engineering*, 1999

**Registered Professional Engineer**, State of Colorado License PE-39815

**LEED Accredited Professional**, LEED-NC, U.S. Green Building Council

### PROFESSIONAL TEACHING EXPERIENCE

**University of Colorado – Boulder, CO**

**2012 - Present**

*Senior Instructor*

#### **Current or Prior Courses:**

- CVEN 5849 Masters Report Advisor
- CVEN 5836 Construction Engineering & Management Fundamentals
- CVEN 4899 Civil Engineering Senior Capstone
- CVEN 4849 Independent Study Advisor
- CVEN 4087 Construction Contract Administration
- CVEN 3837 Global Seminar – Evolution of Building Construction, Spain
- CVEN 3246 Introduction to Construction
- AREN 4606 Project Management 2 – Project Execution & Control
- AREN 4420 Cost Engineering
- AREN 2406 Introduction to Building Construction
- AREN 2050 Building Systems & Materials

#### **Current or Prior Service:**

- Kiewit Design-Build Program Interim Director
- Enrichment Program Lead - Department of Civil, Environmental & Architectural Engineering
- Mentorship Program Lead - Department of Civil, Environmental & Architectural Engineering
- Colorado Construction Diversity Summit Lead
- Student Pathways Committee Chair
- College internship and co-op committee (ProReady)
- Faculty Search Committee Chair – Senior Instructor Search
- ASCE Regional Competition Judge and Facilitator
- Colorado Construction Association (CCA) Heavy Civil Competition Team Advisor
- Engineers Without Borders Paraguay Faculty Advisor
- LEEDS School of Business MBA Real Estate Fellow and Liaison
- Construction Engineering & Management Industry Advisory Board Executive Committee
- Construction Engineering & Management 50<sup>th</sup> Anniversary Celebration Master of Ceremonies
- Construction Engineering & Management Annual Graduation Ceremony Master of Ceremonies
- Associated General Contractors (AGC) Student Chapter Faculty Advisor
- Red Bull Terrain Park Design Competition Advisor
- Scholarship Committee
- Curriculum Committee
- Academic Advisor
- Computer Committee

- Operations Committee
- Town of Superior Open Space Advisory Committee
- Design Build Institute of America (DBIA)
- College of Engineering Renovation Design & Construction Committee
- Larson Lab Mechanical Upgrade Project liaison

**Research:**

- Prefabrication and modularization at St. Joseph Hospital Replacement Project
- Native American reservation community planning self-assessment

**Colorado School of Mines – Golden, CO****Spring, 2017, 2018***Adjunct Professor***Course:**

- MNGN 509 / CEEN 598B Construction Engineering and Management

**United States Military Academy – West Point, NY****2003 – 2006***Captain, Assistant Professor***Courses:**

- CE489A Advanced Individual Study Civil Engineering
- CE460 Construction Management
- CE450 Infrastructure Development and Construction Management
- CE400 Professional Practice
- CE399 Civil Engineering Practice at U.S. Air Force Academy
- CE364 Mechanics of Materials
- Fundamentals of Engineering Preparatory Course – Engineering Economics

**Service and Related Experience:**

- ExCEED Workshop Assistant Mentor
- Communication Officer
- Civil and Mechanical Engineering Department Instructor Summer Workshop (ISW)
- Academic Advisor - Civil and Mechanical Engineering Department
- Cadet Ski Club – Officer in Charge
- Cadet Climbing Team – Officer in Charge

COMMERCIAL CONSTRUCTION EXPERIENCE**Mortenson Construction – Denver, CO****2006 – 2018***Consultant - CoorsTek Research and Development Project**Consultant - United Airlines Flight Training Center Project**Consultant - University of Colorado Athletic Complex Project**Consultant - Stapleton Redevelopment Project**Project Manager - Amgen AMG 386 Expansion Project**Project Manager - Exempla Saint Joseph Heritage Project Hospital Replacement**Project Manager - National Renewable Energy Laboratory Integrated Biorefinery Research Facility project – Phase I & II**Project Manager - University of Colorado Denver, Research Complex 2 (RC-2) project*MILITARY EXPERIENCE**United States Military Academy – West Point, NY****2003 – 2006***Captain, Assistant Professor***Osan Air Base – South Korea****2002 - 2003***Lieutenant, Deputy Chief of Construction Management – projects listed below***University of Colorado, Boulder – Dept. Civil, Environmental & Architectural Engineering** **2001 – 2002***Lieutenant, Air Force Civilian Institute Graduate Program*

**Langley Air Force Base – Virginia****1999 - 2001***Lieutenant, Project Engineer – projects listed below**Lieutenant, Project Developer and Programmer – projects listed below*AWARDS AND HONORS

University of Colorado College of Engineering and Applied Science Charles A. Hutchinson Memorial Teaching Award (2020)

University of Colorado Civil Engineering Faculty Appreciation Award (2020)

University of Colorado College of Engineering and Applied Science Max S. Peters Award for Service (2019)

University of Colorado College of Engineering and Applied Science Top 20 Instructors (2019)

University of Colorado Civil Engineering Faculty Appreciation Award (2019)

AGC of Colorado, Construction Education Challenge Award (2018)

University of Colorado Civil Engineering Faculty Appreciation Award (2018)

University of Colorado Architectural Engineering Faculty Appreciation Award (2018)

University of Colorado, Department of Civil, Environmental and Architectural Engineering Teaching Award (2017)

University of Colorado, Department of Civil, Environmental and Architectural Engineering Service Award (2016)

University of Colorado Civil Engineering Faculty Appreciation Award (2016)

Dan Ivanoff Construction Engineering &amp; Management Fellowship (2014)

University of Colorado Architectural Engineering Faculty Appreciation Award (2014)

University of Colorado Marinus Smith Award – Teaching Excellence (2013)

Mortenson Construction “Exceptional People” Award (2011)

Exemplary Performance and Safety Record – National Renewable Energy Laboratory (2011)

Outstanding Construction Safety Professional Award – National Renewable Energy Laboratory (2010)

AIA TAP BIM Award – University of Colorado Denver Anschutz Medical Campus Research II (2009)

McGraw Hill Gold Hard Hat Award - University of Colorado Denver Anschutz Medical Campus Research II (2008)

Nominated “Most Influential Instructor at West Point” by graduating civil engineer students (2004, 2005)

Jared Mansfield Outstanding Teacher Award Nomination (2004, 2005)

Exchange Officer Program (Represented Air Force at United States Military Academy) (2003-2006)

Meritorious Service Medal

Air Force Commendation Medal

National Defense Service Medal

Global War on Terrorism Service Medal

Korean Defense Service Medal

Air Force Overseas Ribbon

Air Force Longevity Service

Small Arms Expert Marksmanship

Air Force Training Ribbon

Company Grade Officer of the Quarter (2003)

Company Grade Officer of the Quarter (2001)

Air Force Civilian Institute Program Scholarship - Master of Science Degree

PROJECTS***Greater Denver Area, CO*****CoorsTek Research and Development Project.** Consultant**United Airlines Flight Training Center Project.** Consultant**University of Colorado Athletic Complex Project.** Consultant**Stapleton Redevelopment Project.** Consultant**Amgen AMG 386 Production Plant Expansion and Renovation.** Project Manager**Exempla St. Joseph Heritage Project Hospital Replacement.** Project Manager**NREL Integrated Biorefinery Research Facility (IBRF) Stage I and II.** Project Manager**University of Colorado, Denver, Research Complex 2.** Project Manager***United States Military Academy – West Point, NY***

**Construct Houses for Navajo Reservation.** CE399 Course - framing, roofing, interior electrical, plumbing, tiling, painting, hanging cabinets, windows and doors, scheduling, tracking, and control

**Osan Air Base – South Korea**

**Relocate AAFES Facilities Bldg 1343.** Deputy Chief Construction Mgt  
**156 Person Dormitory (B.385).** Deputy Chief Construction Mgt  
**156 Person Dormitory (B.386).** Deputy Chief Construction Mgt  
**Officer's Dorm.** Deputy Chief Construction Mgt  
**Ball Field Dormitory.** Deputy Chief Construction Mgt  
**Golf Course Dorm #1.** Deputy Chief Construction Mgt  
**Golf Course Dorm #2.** Deputy Chief Construction Mgt  
**Construct Aircraft Shelter (1).** Deputy Chief Construction Mgt  
**Construct Aircraft Shelter (2).** Deputy Chief Construction Mgt  
**Repair Cargo Apron A, B, C.** Deputy Chief Construction Mgt  
**Upgrade HTACC & KCOIC.** Deputy Chief Construction Mgt  
**Telecomm Support for MOF (AP-1).** Deputy Chief Construction Mgt  
**Traffic Management Facility (TMO).** Deputy Chief Construction Mgt  
**Vehicle Ops Control/Admin Facility.** Deputy Chief Construction Mgt  
**Vehicle Maintenance Facility.** Deputy Chief Construction Mgt  
**Patriot Maintenance Shop.** Deputy Chief Construction Mgt  
**Construct AAFES Shopping Center.** Deputy Chief Construction Mgt  
**Renovate Bldg. 936.** Deputy Chief Construction Mgt  
**Upgrade Utilities 300 Area.** Deputy Chief Construction Mgt  
**Upgrade Water Distribution Sys Ph-2.** Deputy Chief Construction Mgt  
**Repair Air Break Switches.** Deputy Chief Construction Mgt  
**Upgrade Water Distribution Sys Ph-1.** Deputy Chief Construction Mgt  
**Upgrade Water Distribution Sys Ph-3.** Deputy Chief Construction Mgt  
**Replace H-Frames XFMR Bank.** Deputy Chief Construction Mgt  
**Replace Insulators on Poles.** Deputy Chief Construction Mgt  
**Install Feeder Tie Switch.** Deputy Chief Construction Mgt  
**Replace Fault Interrupters.** Deputy Chief Construction Mgt  
**Replace Transformer Secondary.** Deputy Chief Construction Mgt  
**Repair Sewer Lines, Ph I.** Deputy Chief Construction Mgt  
**Upgrade Sewer Lift Station - II.** Deputy Chief Construction Mgt  
**Demolish Excess Facilities.** Deputy Chief Construction Mgt  
**Asbestos Removal.** Deputy Chief Construction Mgt  
**Repair & Install Boundary Fence, Base Wide.** Deputy Chief Construction Mgt  
**Repair Roofs Multi Facilities.** Deputy Chief Construction Mgt  
**Clean, Inspect and Repair Tank #5.** Deputy Chief Construction Mgt  
**Clean, Inspect and Repair Tank #7.** Deputy Chief Construction Mgt  
**Construct Multiple Operations Facility (Ph 1).** Deputy Chief Construction Mgt  
**Construct Multiple Operations Facility (Ph 2/3).** Deputy Chief Construction Mgt  
**Repair Alpha Diamond Asphalt.** Deputy Chief Construction Mgt  
**Fire Station.** Deputy Chief Construction Mgt  
**Repair HAS Door, Bravo Diamond.** Deputy Chief Construction Mgt  
**Add/Alter Fitness Center.** Deputy Chief Construction Mgt  
**Visiting Quarters.** Deputy Chief Construction Mgt  
**Repair Drainage Bldg. 1679.** Deputy Chief Construction Mgt  
**Construct Cargo Apron C.** Deputy Chief Construction Mgt  
**Hot Cargo Pad.** Deputy Chief Construction Mgt  
**Repair Taxiway Light Cables & Fixtures.** Deputy Chief Construction Mgt  
**Paint Airfield.** Deputy Chief Construction Mgt  
**Repair Airfield Cable & Conduit, R-09.** Deputy Chief Construction Mgt  
**Repair Airfield Lighting Cable, R-27.** Deputy Chief Construction Mgt  
**Install Roll Gate Fence, B-Diamond.** Deputy Chief Construction Mgt  
**Replace Valve at Bulk Storage.** Deputy Chief Construction Mgt  
**Upgrade JPTS Off-load System.** Deputy Chief Construction Mgt  
**Repair JP-8 Manifold t Bulk Storage.** Deputy Chief Construction Mgt

**Replace Chainlink Fence, Elementary.** Deputy Chief Construction Mgt  
**Sewer Line Tie-In.** Deputy Chief Construction Mgt  
**Correct Airfield Obstruction, Ph III.** Deputy Chief Construction Mgt  
**Repair Runway Pavement.** Deputy Chief Construction Mgt  
**Telecom Support HAWC.** Deputy Chief Construction Mgt  
**Renovate B920 Into Community Center.** Deputy Chief Construction Mgt  
**Repair Sewer Lines Ph II.** Deputy Chief Construction Mgt  
**Military Family Housing Phase 1.** Deputy Chief Construction Mgt,  
**Replace Challenger Club.** Deputy Chief Construction Mgt  
**Anti-Terrorism/Force Protection Upgrades at Main Gate.** Deputy Chief Construction Mgt  
**Construct Officer Club Annex.** Deputy Chief Construction Mgt  
**Non-Airfield Paving IDIQ.** Deputy Chief Construction Mgt  
**Renovate OG Headquarters.** Deputy Chief Construction Mgt  
**Construct 12 Munitions Igloos.** Deputy Chief Construction Mgt  
**Renovate 7th AF Headquarters.** Deputy Chief Construction Mgt  
**Construct Osan-Ni Dorm.** Deputy Chief Construction Mgt  
**Construct Kindergarden .** Deputy Chief Construction Mgt  
**Repair Dorm HVAC System, BLDGs 1351, 1352, 1353.** Deputy Chief Construction Mgt  
**Repair Dorm HVAC System, BLDGs 479, 489, 490.** Deputy Chief Construction Mgt  
**Repair Dorm HVAC System, BLDGs 929, 930, 942.** Deputy Chief Construction Mgt  
**ADAL Commissary.** Deputy Chief Construction Mgt  
**UST (#82).** Deputy Chief Construction Mgt  
**Install ATM at Commissary.** Deputy Chief Construction Mgt  
**Install Fire Hydrant at Hot Cargo Pad.** Deputy Chief Construction Mgt  
**Repair Asphalt Concrete Behind PAX Terminal.** Deputy Chief Construction Mgt  
**Paint Runway.** Deputy Chief Construction Mgt  
**Renovate Dorm Bldg. 477 & 478.** Deputy Chief Construction Mgt  
**Repair Hardened Aircraft Shelter 1759.** Deputy Chief Construction Mgt  
**Install Pantograph at Bulk Storage.** Deputy Chief Construction Mgt  
**Install Pantograph at Hydrants.** Deputy Chief Construction Mgt  
**Repair Piping Pits.** Deputy Chief Construction Mgt  
**Tech Upgrade Elementary School.** Deputy Chief Construction Mgt  
**Installation of Bollards.** Deputy Chief Construction Mgt  
**Replace Chainlink Fence (Softball Field) .** Deputy Chief Construction Mgt  
**Repari Containment, Refueler Parking.** Deputy Chief Construction Mgt  
**Underground Storage Tank (#47) .** Deputy Chief Construction Mgt  
**Ginko Tree Dining Facility.** Deputy Chief Construction Mgt  
**Electrical & HVAC, Repair Electrical Distribution Feeders.** Deputy Chief Construction Mgt  
**Airfield Obstruction -1.** Deputy Chief Construction Mgt  
**Repair Quickturn/Flows.** Deputy Chief Construction Mgt  
**Remove A/C Obstruction, Phase II.** Deputy Chief Construction Mgt  
**Repair Utilities/HVAC Bldg. 1629.** Deputy Chief Construction Mgt  
**Asbestos Removal , 846, 948, 1223, 1611.** Deputy Chief Construction Mgt  
**Repair Containment/Paving at Hydrant.** Deputy Chief Construction Mgt  
**Electrical & HVAC, Install HVAC System.** Deputy Chief Construction Mgt  
**Hook-up Power to Bldgs.** Deputy Chief Construction Mgt  
**Install Infrared Heat Unit, B.1833.** Deputy Chief Construction Mgt  
**Repair Hangar 4, Bldg. 1732.** Deputy Chief Construction Mgt  
**Repair Containment Basin, Refueler Parking Lot.** Deputy Chief Construction Mgt  
**Asbestos 792, 798, 846, 948, 1223, 1372, 1373, 1611.** Deputy Chief Construction Mgt  
**Upgrade POL Filter Sys.** Deputy Chief Construction Mgt  
**POL Tank Water Collection & Recovery.** Deputy Chief Construction Mgt  
**Asbestos Removal 771.** Deputy Chief Construction Mgt  
**Repair 3RD Gen. Apron.** Deputy Chief Construction Mgt  
**Improve Family Housing, Ph1 (437/1065) .** Deputy Chief Construction Mgt  
**Renovate Bldg. 1419 (HAWC) .** Deputy Chief Construction Mgt  
**Contingency Construction Upgrade of Osan Air Base.** Deputy Chief Construction Mgt

**Hangar repair project.** Project Manager  
**Maintenance shop retrofit F-22.** Project Manager  
**Dormitory Renovation Design.** Project Manager  
**Demo Haz Waste Storage Facility.** Project Manager  
**Demo CE Storage Facility.** Project Manager  
**Demo Barber Shop.** Project Manager  
**Install Swing Security Gates.** Project Manager  
**Remove Rubber on Runway, Repaint Lines.** Project Manager  
**Reconfigure Parking Lot.** Project Manager  
**Construct Rapid Runway Repair Training Site.** Project Manager  
**Construct Parking Lot.** Project Manager  
**Military Family Housing Construction and Renovation.** Project Planner & Programmer  
**Construct Physical Fitness Center.** Project Planner & Programmer  
**Repair East Parking Apron.** Project Planner & Programmer  
**Repair Taxiway Alpha.** Project Planner & Programmer  
**Repair Drinking Water System.** Project Planner & Programmer  
**Repair Sanitary Sewer System.** Project Planner & Programmer  
**Sanitary Sewer Inflow/Infiltration Project.** Project Planner & Programmer  
**Improve Fire Station.** Project Planner & Programmer  
**Repair Officer's Open Mess Hall.** Project Planner & Programmer  
**Add to and Alter Bowling Center.** Project Planner & Programmer  
**Construct Golf Cart Paths.** Project Planner & Programmer  
**Repair Golf Course Greens and Irrigation System.** Project Planner & Programmer  
**Construct Youth Center.** Project Planner & Programmer  
**Repair Military Family Housing Bathrooms and Kitchens.** Project Planner & Programmer  
**Paint Piping Facility 380.** Project Planner & Programmer  
**Construct Canopy, Bldg 707.** Project Planner & Programmer  
**Replace Pumps, Bldg 707.** Project Planner & Programmer  
**Replace System Components, Bldg 741.** Project Planner & Programmer  
**Replace Lighting, Bldg 707.** Project Planner & Programmer  
**External AST Inspections.** Project Planner & Programmer  
**Internal AST Inspections.** Project Planner & Programmer  
**Secondary Containment Certification.** Project Planner & Programmer  
**Maintain Hydrant and UST Leak Detection System.** Project Planner & Programmer  
**Groundwater Monitoring ASTs.** Project Planner & Programmer  
**Remove Condensate From Bulk Fuels Tanks.** Project Planner & Programmer  
**Remove Condensate Water Hydrant Tanks.** Project Planner & Programmer  
**AST Groundwater Monitoring.** Project Planner & Programmer  
**Leak Detection and Monitoring.** Project Planner & Programmer  
**General Officer and Senior NCO Housing Renovation.** State Historic Preservation Office Coordinator  
**Mile-long Building Demolition.** State Historic Preservation Office Coordinator  
**Renovate Bldg 621.** State Historic Preservation Office Coordinator  
**Farmville Historic District Military Operating Area.** State Historic Preservation Office Coordinator  
**F-22 Beddown.** State Historic Preservation Office Coordinator