



Cody D. Roberts, P.E.

573-684-FOX5 cody@fox-ae.com 3904 W. Rollins RD, Columbia, MO 65203

Education

- ▶ University of Missouri, Columbia — *Bachelor of Civil Engineering, 2007*
- ▶ Texas A&M University, College Station and Universidade Federal Rio grande Do Norte (Study Abroad) - Natal, Brazil - *Civil Engineering, 2006*
- ▶ Northwestern University - *Traffic Crash Reconstruction II, 2016*

Experience

RECONSTRUCTIONIST, 3D MODELING ENGINEER, OWNER OF FOX-AE; NEW ORLEANS, LA — 2005 -
PRESENT

- ▶ Animator, United States v. Jeffrey Epstein
- ▶ 3D Modeler, Import Faro Scan, Marski v. Ford
- ▶ Animator, US Pipeline INC v. Rover Pipeline LLC (*Defense*)
- ▶ Animator, Phelan v. Walnut Hill Physicians' Hospital LLC
- ▶ Animator, Wiederhold v. Domino's Pizza (*Defense*)
- ▶ Animator, J&J's Pinnacle Metal-on-Metal Hip Implants (*Class Action*)
- ▶ Animator, Equistar v. Clyde Union (*Defense*)
- ▶ Animator, Ovalle v. Gary Kiser Trucking
- ▶ 3D Modeler, Florida State v. Gary Garcon
- ▶ Creator of thousands of forensic graphics and animations shown in mediation and/or trial.

- ▶ AggLogistics, LLC - Designed and modeled 500 cubic yard sand tank that pumped granular fill from orifice at base of tank and fit within the confines of a prefabricated skid. Created shop drawings. Provided renderings and animation to investors. Patent pending.
- ▶ Best Living Systems, LLC - Provided renderings and animation for 2014 AHR Innovation Award winner, Multi-Cluster Ionization™ Technology. Animation shown to corporate McDonald's and investors.
- ▶ Best Living Systems, LLC - Modeled BLS12K Air Purification Unit. Provided animation for consumer marketing applications.
- ▶ Best Living Systems, LLC - Designed and modeled MCI™ Stealth air purification unit. Provided animation for commercial and wholesale marketing applications.
- ▶ Best Living Systems, LLC - Modeled SynAirG S and SynAirG T air purifiers. Provided animation for commercial and wholesale marketing applications.
- ▶ Best Living Systems, LLC - Modeled MCI™ 540. Provided animation for medical industry marketing applications.
- ▶ Best Living Systems, LLC - Modeled MCI™ SynAirG 16k, 24k & 40k. Provided animation for medical and commercial industry marketing applications.
- ▶ Alexander Forrest Investments, LLC - Provided design, renderings and animations for the following commercial real estate marketing and proposal applications:
 - ▶ Anytime Fitness Gymnasium
 - ▶ Century 21 Office Building
 - ▶ Sushi Bar
 - ▶ Magnus Enterprises Office Building
 - ▶ Huddle House
 - ▶ Hotels
 - ▶ Liberty Square Commercial Strip
- ▶ Engineering Department, University of Missouri, Columbia - Modeled and designed transportable water osmosis purifier. Animation for research and grant money applications.

- ▶ Daubert Motion - Participated in Daubert hearing and was questioned on the stand. Admitted as an expert witness and animator. Methodology was challenged and motion was denied, Lanclos v. Gilchrist Construction
- ▶ Daubert Motion - Participated in Daubert hearing and was questioned on the stand. Admitted as an expert witness and animator. Methodology was challenged and motion was denied, Lanclos v. Command Construction

PROJECT ENGINEER, COE; NEW ORLEANS, LA — 2008 - 2015

- ▶ WBV 16.2 Bayou Segnette Complex - Contract Amount \$57.1 Million: Sole Project Engineer for construction of 400 CFS pump station, 56-foot sector gate, dredging, levee, and T-wall. Reviewed shop drawings and design calculations of circular cofferdam temporary retaining structure for sector gate, 2-phase strut and wailer temporary retaining structure for pump station, formwork calculations for permanent structures, and pile hammer analysis for approval. Oversaw all testing of embankment, concrete, welding and geotextile fabric using applicable ASTM. Administered and approved construction methods for concrete placement, reinforcing steel placement, compacted fill placement and formwork erection. Calculated quantities of invoice items for payment. Managed team of inspectors. Reviewed and enforced traffic control plans adjacent to construction right of way. Evaluated critical path activities that changed contract duration and construction completion dates. Administered and evaluated contract modifications by tracking time and materials, comprehending industry standards, and analyzing contractual language.
- ▶ PRO WBV 15.a1 Hurricane Protection Levee - Contract Amount \$55.4 Million: Project Engineer for construction of 2 million in-place cubic yards of levee. Assured compliant proctor, compaction, nuclear density, sand cone, moisture, organic, plasticity index, and soil classification tests. Oversaw and approved geotextile placement methods and materials. Computed volume of soil placed for payment from survey data using end area method. Managed team of inspectors. Reviewed and enforced traffic control plans adjacent to construction right of way. Administered and evaluated contract modifications by tracking time and materials, comprehending industry standards, and analyzing contractual language.
- ▶ WBV-MRL 2.2 Mississippi River T-Wall - Contract Amount \$48.4 Million: Project Engineer of two miles of T-wall construction including 18-inch diameter pipe pile compression and tension tests. Reviewed and recommended approval of concrete mix designs for wall stem, base slab, and slope paving. Reviewed and approved pipe pile material, manufacturer's data and tests with API 5L and contract specifications. Reviewed and enforced traffic control plans adjacent to construction right of way. Oversaw diesel hammer driving operations and blow counts. Assured concrete material compliance by witnessing slump, air entrainment, and cylinder compression tests in the laboratory and in the field. Administered and evaluated contract modifications by tracking time and materials, comprehending industry standards, and analyzing contractual language.
- ▶ WBV 24 Bayou Segnette T-Wall - Contract Amount \$24.4 Million: Project Engineer of 0.9 miles of T-wall construction. Reviewed concrete mix designs for wall stem, base slab, and slope paving. Reviewed 88-foot prestressed concrete pile design and material. Assured concrete material compliance by witnessing slump, air entrainment, and cylinder compression tests in the laboratory and in the field. Administered and evaluated contract

modifications by tracking time and materials, comprehending industry standards, and analyzing contractual language.

- ▶ NOV 04b Ollie Pump Station - Contract Amount \$11.5 Million: Project Engineer of 3 pump station fronting protection operations involving the extension of 54-inch, 60-inch and 72-inch diameter pipes penetrating reinforced wall stems. Reviewed design and approved field installation of HY-05 two position valves, butterfly back flow preventers, and anti-buoyancy check valves that enabled siphonic recovery.
- ▶ NOV 05b Diamond Pump Station - Contract Amount \$8.3 Million: Project Engineer for fronting protection involving embankment surcharge, driving piles and extending 48-inch diameter pipes to penetrate reinforced wall stems. Reviewed and enforced traffic control plans adjacent to construction right of way. Analyzed geotechnical data of preload areas including inclinometer, piezometer, and extensometer readings during hold period.
- ▶ Miss R Cubit's Gap SWP HDR #32010 - Contract Amount \$3.5 Million: Project Engineer for 36 day operation of Hopper Dredge in Mississippi River.
- ▶ Miss R Cubit's Gap SWP HDR #52010 - Contract Amount \$3.9 Million: Project Engineer for 60 day operation of Hopper Dredge in Mississippi River.
- ▶ Davis Pond Freshwater West Guide Levee - Contract Amount \$2.3 Million: Project Engineer for installation of new vinyl sheet pile along lower guide levee. Reviewed and approved manufacturer's literature and design data for vinyl sheeting. Oversaw construction activities in the field.
- ▶ Davis Pond Freshwater Cypress Lumber - Contract Amount \$2.1 Million: Project Engineer for construction and restoration of freshwater canals. Oversaw construction of earthen crest weirs, installation of geotextile, vinyl sheets, and armor stone placement.
- ▶ WBV 73 Pile Load Tests HSDRRS - Contract Amount \$950,000: Oversaw and reviewed methods for concrete pile compression test and access road construction.

Computer Skills

- ▶ AutoCad
- ▶ Trimble Sketchup
- ▶ Microsoft Excel
- ▶ Primavera
- ▶ The Foundry Modo
- ▶ Apple Final Cut Pro

Patent Pending

- ▶ Omniview180™ - Developed groundbreaking virtual reality technology along with other VR industry leaders for physics and engineering based viewing applications for sports, vehicular driving/training simulations, and biomechanical G-force related injuries.

U.S. Patent Application Serial No. 63/047,059

Professional Qualifications

- ▶ Professional Engineer License: [PE.0038595](#)
- ▶ OSHA Certified
- ▶ Accident Reconstruction Level II Certified

Northwestern University Center for Public Safety

this is to certify that

Cody D. Roberts

has successfully completed

Traffic Crash Reconstruction II

Henderson, Nevada

April 18 – 22, 2016



**NORTHWESTERN
UNIVERSITY**



David Bradford

EXECUTIVE DIRECTOR, CENTER FOR PUBLIC SAFETY

Louisiana Professional Engineering
and
Land Surveying Board

Hereby Certifies that

Mr. Cody David Roberts

having qualified before this Board in accordance with laws is licensed as a

Professional Engineer

and is hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana. 12/21/2013



James E. Bourich

Chairman

Madison H. Thompson

Secretary

License Number 38595



This card acknowledges that the recipient has successfully completed a
30-hour Occupational Safety and Health Training Course in
Construction Safety and Health

Cody Roberts

Madeline Morgan

(Trainer name – print or type)

8-19-11

(Course end date)




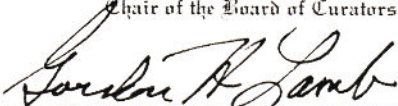
To all whom it may concern
Greeting:

Be it known that the Curators, having been advised by the Faculty that
Cody David Roberts
has completed the Course of Study required of candidates for the degree of
Bachelor of Science in Civil Engineering

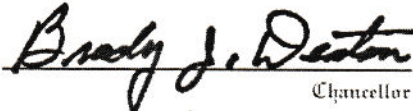
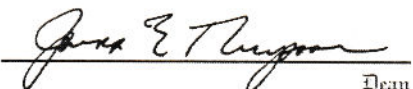
and is qualified to receive the same, do confer said degree
with all the honors and privileges appertaining thereto.

In testimony whereof the signatures of the proper officials and the
seal of the University are affixed.

Done at the University in the City of Columbia, State of Missouri,
this fourteenth day of December in the year two thousand and seven.


Chair of the Board of Curators

Interim President of the University




Chancellor

Dean



presents

Certificate of Training

to

Cody Roberts, PE

for

Crash Data Retrieval

in

Vehicle Accident Reconstruction

A handwritten signature in blue ink, appearing to read "E. Carrick".

*Edward Carrick, PE, Principal Engineer
Accident Reconstructionist, ACTAR #2351*

August 5, 2014



presents

Certificate of Training

to

Cody Roberts, PE

for

Crush Analysis

in

Vehicle Accident Reconstruction

A handwritten signature in blue ink, appearing to read "E. Carrick".

*Edward Carrick, PE, Principal Engineer
Accident Reconstructionist, ACTAR #2351*

August 26, 2014



presents

Certificate of Training

to

Cody Roberts, PE

for

Driver Reaction Times

in

Vehicle Accident Reconstruction

A handwritten signature in blue ink, appearing to read "E. Carrick".

*Edward Carrick, PE, Principal Engineer
Accident Reconstructionist, ACTAR #2351*

July 29, 2014



presents

Certificate of Training

to

Cody Roberts, PE

for

Photogrammetry

in

Vehicle Accident Reconstruction

A handwritten signature in blue ink, appearing to read "E. Carrick".

*Edward Carrick, PE, Principal Engineer
Accident Reconstructionist, ACTAR #2351*

July 23, 2014



presents

Certificate of Training

to

Cody Roberts, PE

for

Skid Mark Analysis

in

Vehicle Accident Reconstruction

A handwritten signature in blue ink, appearing to read "E. Carrick".

*Edward Carrick, PE, Principal Engineer
Accident Reconstructionist, ACTAR #2351*

July 14, 2014