

Curriculum Vitae

Travis P. Gray

ROFILE

PROFESSIONAL LAND SURVEYOR WITH CAD AND PROJECT MANAGEMENT EXPERIENCE

I have over 25 years' experience in surveying and managing crews, projects and offices staff
High-definition laser scanning and 3 D mapping
CAD designer using autocad for survey and engineering projects over 10 years' experience
Surveying and mapping in nuclear, coal fired power plants, oil refinery and chemical plant
Experience in construction layout-high rise buildings, roads, subdivisions, water and sewer lines
Experience in control networks using GPS and total stations
ALTA surveys and writing legal descriptions
Processing data from field surveys and high-definition laser scanning
Operation of one-man survey team from field to office
Expert witness testimony
Experience in surveying on offshore facilities
International working experience-Greece, Saudi Arabia, Antarctic, Iraq, Angola, Kenya, Marshall Islands

REGISTRATION

Professional Land Surveyor---North Carolina- LS 3197 -- Nebraska 556

EDUCATION

University of Nebraska – majoring in anthropology, minors in history, geology, mapping
2 -4 day training seminars in high definition laser scanning
3 multi day training seminars in GPS surveying
15 hours of continuing education classes completed each year in a variety of topics

SUMMARY OF WORK HISTORY

Directory of mapping **Archaeological and Historical Conservancy** ----- Oct 2024-present
Mapping archaeological sites in Florida
Directory of lidar field and office processing- **Compu10** – scanning of the interior and exterior of First
Christian church in Colorado Springs ----- Dec 2022 to March 2023
Surveyor—**Drexell Barell** – Colorado Springs -----Febr 8 to Nov 2022
Working on survey plats
Project Surveyor – **Dyncorp Kwajalien Atoll**-----2019-2021
Tasked in remapping the base using SX10 Trimble scanning total station. Producing autocad drawing using
civil 3d 2022. Eventually data to be placed in GIS
Project Surveyor – **KBR –US base Erbil, Iraqi Kurdistan**-----2018-2019
in charge of mapping base and facilities and topographic survey for drainage study on base
Project Surveyor –**San Juan Construction, Montrose, Colorado**-----2017-2018
Surveyor for Echo Pier Project on Kwajalein Atoll, Marshall Islands- Monitoring pier and surrounding
buildings for movement during reconstruction if Pier. Existing conditions survey of use areas and
grading and boundary stake out for use areas.
Cad designer - **Associated Design Professionals – Colorado Springs, Colorado**-----2014-2016
Designer and Cad operator working on site, grading, development, take offs and utility plans using auto-
cad Civil 3d 2015.
Project and technical manager- **Precision Metrology- Nairobi, Kenya**-----2012-2013
Tasked with presentations in front of government and private agencies and bidding contracts
Project surveyor—**Terramatrix, Omaha, Nebraska**-----2011-2012
Operating mobile scanning equipment and processing data using Cyclone and autocad.
Survey manager- **KBR, Western Iraq**-----2008-2011
Manager of surveying work for 5 American Military bases in Western Iraq including drafting.
Data manager – **Global Land Surveying, Wisconsin**-----2008
Manager of GIS data base of surveyor data from construction layout of pipeline
Private contractor – **Angola, Gulf of Mexico & Tennessee**-----2006-2007
Worked both as an independent contractor for cell site surveys in Tennessee and as a contract surveyor
with UTEC in Houston, Texas on offshore oil rigs in the Gulf of Mexico and Angola and scanning in oil
refinery in Louisiana and compressor station in Houston. Responsible for drafting and data processing
Project surveyor---**3DS2, Omaha, Nebraska**-----2005-2006
Project manager of stake out of water treatment plant outside of Omaha. High definition laser scanning
projects from residential, commercial and industrial structures and infrastructure.
Project surveyor---**A. Morton Thomas, Rockville, Maryland**-----2004-2005
Construction layout of buildings and infrastructure. High definition scanning projects including St.
Elizabeth in DC, nuclear power plant, chemical plant, office buildings. Processed the data.
Surveyor manager---**Entrex Communication, Washington DC**-----2001-2004
In charge of the surveying for cell sites in Maryland, DC and Virginia, including writing legal
descriptions for easements etc. High definition scanning projects

Project manager—**Community Land Surveying—Lincoln, Nebraska**-----1997-2000
 Managing projects and field crews and office staff for construction projects, cell site surveys, GPS control networks, subdivision design and layout.

Surveyor----**Aramco, Saudi Arabia**-----1996-1997
 Party chief, contract administrator, office manager, cad designer for existing condition surveys, construction stake out and asbuilt surveys.

Project manager----**St. John Surveying—United States Virgin Islands**-----1990-1996
 Manager of survey division doing construction stake out, subdivision design, road, as built, existing condition surveys and expert witness testimony.

Surveyor—**Ross Ice Shelf Project—Antarctic**-----1975-1976
 Surveying the stress and strain rates and velocity of the ice on the Ross Ice Shelf

Addendum to Curriculum Vita- Detail list of projects using LIDAR – high definition laser scanning.

2001-2004 BMW automobile assembly plant – Spartanburg, South Carolina 1.) Mapping the two assembly lines – I was in charge of one of the two field crews; running the targeting control and adjusting the final targeting network for both crews.

2004-2005

JACOB JAVITS FEDERAL OFFICE BUILDING IN NEW YORK CITY - we used the Leica 2500 I was in charge of running the targeting control network for the scans in the entrance way and in the parking garage two floors below.

MARY CHURCH TERRIL HOUSE IN MARYLAND - historic structure we did this for Howard University - using the Leica 2500 on the exterior and the 3000 in the interior ran the scanners and the control network.

UNION STATION DC PARKING GARAGE- the back side of the parking decks using the Leica 2500 I ran the control network

7 AUTOMOBILE RACE TRACKS FOR A COMPUTER GAMING COMPANY - we used a Leica 3000 I ran the scanner and registered the scans.

For the projects listed below except where noted I was the field supervisor responsible for the work flow, running scanners, registering the scans and running and adjusting the control network

ST. ELIZABETH WEST COMPOUND - 62 buildings of a Federal Hospital abandoned in the 1990.s we used the Leica 4500 and 3000 scanned both interior and exterior. I was field supervisor ran scanners coordinated crews ran and adjusted control network.

FITCHBURG MASSACHUSETTS - scanned bridge for the highway department for structural analysis using the Leica 3000 field supervisor ran scanner and control network

OFFICE BUILDING NEAR WHITE HOUSE IN DC - scanned the exterior of the building again field supervisor using Leica 3000

PALVERDE NUCLEAR POWER PLANT PHOENIX ARIZONA - we scanned elements inside the containment building of one of the reactors. Using the Leica 4500 we had two trips for this project.

OFFICE BUILDING IN DC - a second building did two sides of the building using the Leica 3000

DOW CHEMICAL PLANT IN KENTUCKY - using the Leica 3000 scanned a process part of the plant

COAL FIRED POWER PLANT IN ALABAMA - used the Leica 3000 and 4500 scanning parts of the plant

HUNGARIAN EMBASSY DC - tree in front of one of the buildings for planning using the Leica 3000

USS MONITOR - civil war ironclad I scanned the turret and the steam condenser for restoration using the Leica 3000

WATER TREATMENT PLANT OUTSIDE OMAHA NEBRASKA - using the Leica 3000 scanned the rebar placement on collection tanks before pouring the concrete and asbuilt other sections of the plant

2 MILE ROUTE FOR WATER LINE OMAHA NEBRASKA - using the Riegl 400 scanner

HISTORIC STRUCTURE IN RED COULD NEBRASKA - exterior of the house using the Leica 3000 pharmaceutical

OFFICE BUILDING IN DC - a third one using the Leica 3000

ROCHE PHARMACEUTICAL PLANT IN SOUTH CAROLINA- interior used the Leica 4500 0

HYDE PARK NEW YORK HIGHWAY TUNNEL - using he Leica scan station one

HYDE PARK NEW YORK PRIVATE RESIDENCE - using Leica scan station one

COMPRESSOR STATION OF WILLIAMS PIPELINE IN HOUSTON – Zoller& Frohlich 6000

CHERVO OIL REFINERY IN SULPHER LOUISIANA - used the Zoller & Frohlich 6000 scanned the coke cutting section of the plant

2011-2012

MOBILE GROUND BASE LIDAR BRIDGES IN CALIFORNIA - Riegl scanners

MOBILE GROUND BASE LIDAR POWER LINE IN NEVADA - Riegl scanners

KBR – Erbil - 2019

SCANNING THE VARIOUS FEATURES OF THE US MILITARY BASE- Leica BLK 360

DYN CORP– KWAJALIEN US ARMY BASE

USING THE TRIMBLE SX10 SCANNING TOTAL STATION TO COLLECTING THE FIELD DATA FOR UPDATING THE BASE MAP

COMPU10 FIRST CHRISTIAN CHURCH

USING THE LEICA RTC360 SCANNER – INTERIOR AND EXTERIOR

