

Harrison Vang

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SUMMARY

Land surveying professional with nine years of progressive field experience supporting public infrastructure, municipal improvement, roadway, drainage, utility, facility, and development assignments. More than five years include precision instrument operation and complex crew planning, with hands on leadership for survey technicians and aides. Work covers construction staking, centerline and right of way surveys, **Public Land Survey System** work, topographic mapping, cross sections, **benchmark level runs**, vertical control, **state plane coordinates**, monuments, centerline ties, and complete field records. Engineering plans become clear daily assignments, reliable setups, and accurate deliverables. Regular coordination with inspectors, design engineers, project managers, contractors, property representatives, and the public supports safe execution. A valid **California Class C Driver License**, OSHA 10 Hour Construction Safety training, sound mechanical judgment, and consistent quality control support dependable field operations.

EXPERIENCE

Survey Party Chief, Public Infrastructure Surveying

January 2023 - Present

Capital Valley Survey Services

Sacramento, California

Lead field survey operations for construction, roadway, topographic, **right of way**, centerline, monument, and vertical control assignments. Supervise technicians and aides, interpret engineering plans, plan instrument setups, coordinate stakeholders, review records, and protect safety across active sites and irregular terrain.

- Led **construction staking** and centerline surveys using **total stations**, levels, and data collectors for roadway projects.
- Translated **engineering plans** into daily crew assignments, instrument setups, control checks, and field tolerances.
- Reviewed benchmark runs, **cross sections**, staking records, field notes, and control documentation before office delivery.
- Coordinated access and sequencing with inspectors, engineers, **project managers**, contractors, and property representatives.
- Assigned work by crew capability and enforced safe practices across roadways, construction sites, and irregular terrain.

Senior Survey Technician, Municipal Infrastructure

May 2020 - December 2022

Sierra Municipal Engineering

Roseville, California

Supported municipal street, drainage, utility, and facility projects through precision field surveying, assignment planning, horizontal and vertical control, and direct guidance for junior technicians. Connected engineering plans with dependable observations, records, and **construction staking** deliverables.

- Operated **levels**, total stations, data collectors, transits, **theodolites**, and distance measuring instruments on municipal projects.
- Planned instrument locations, control checks, staking sequences, and crew logistics for multi day assignments.
- Established horizontal and **vertical control** tied to project coordinate requirements and benchmark documentation.
- Performed **centerline**, **right of way**, topographic, cross section, and construction staking surveys from engineering plans.
- Diagnosed discrepancies among plans, monuments, control points, and field conditions for engineer review.
- Guided junior technicians through setups, observations, field notes, equipment care, and safe practices.

Survey Technician II, Public Works Surveying

July 2018 - April 2020

North State Infrastructure Consultants

Chico, California

Performed precision roadway and public works surveying with varied instruments while supporting party chief planning, control verification, **construction staking**, monument documentation, and daily site logistics. Protected data quality by checking observations before leaving each assignment.

- Performed roadway and public works surveys with **total stations**, data collectors, levels, **transits**, and theodolites.
- Collected topographic features, centerline data, **cross sections**, elevations, and construction stake points accurately.
- Checked setup, backsight orientation, benchmark closure, and observations before leaving active field sites.
- Read **engineering plans** and sketches to determine points, offsets, grades, and required measurements.
- Supported survey monument installation and centerline tie documentation for **public infrastructure** assignments.
- Coordinated equipment, traffic awareness, access, and daily logistics with the party chief.

Survey Technician I, Boundary and Construction Surveying

June 2017 - June 2018

Golden Foothills Land Surveying

Auburn, California

Built foundational field capability on boundary, topographic, and construction surveys under party chief supervision. Prepared equipment, located control, collected observations, maintained standardized records, and applied safe setup practices on uneven and active sites.

- Set up and operated levels, **total stations**, data collectors, and distance measuring equipment under supervision.
- Recorded measurements, point descriptions, benchmark information, and site conditions in standardized field notes.
- Prepared equipment, reviewed assignment sketches, located control, and organized supplies before deployment.
- Performed basic **construction staking** and topographic collection with setup and backsight **quality** checks.

- Followed safety procedures around traffic, construction activity, uneven ground, and **lifting** tasks.

PROJECTS

Municipal Corridor Control and Staking 📅 2024

Directed coordinated field work for centerline, right of way, topographic, cross section, monument, and vertical control deliverables across active municipal corridors.

Public Works Benchmark and Mapping Program 📅 2022

Supported benchmark level runs, state plane coordinate control, engineering plan interpretation, and complete field records for public infrastructure design.

LEADERSHIP & AWARDS

- Selected as field lead for complex public infrastructure assignments requiring dependable crew coordination and record review.
- Recognized by project teams for careful instrument checks, clear field notes, and reliable construction staking support.
- Trusted to guide junior technicians through safe setups, observations, equipment care, and quality checks.

EDUCATION

Associate of Science in Surveying Technology

2017

American River College GPA: 3.5

Sacramento, California

Coursework: Land surveying, construction surveying, surveying calculations, geographic information systems

CERTIFICATIONS

- California Class C Driver License 📅 2026
- OSHA 10 Hour Construction Safety 📅 2024

TECHNICAL SKILLS

- **Survey Instruments:** Total stations, levels, transits
- **Electronic Survey Tools:** Electronic data collectors, theodolites, EDMs
- **Survey Control:** Vertical control, horizontal control, benchmark runs
- **Public Land Surveying:** PLSS, centerline ties, tagged monuments
- **Construction Surveying:** Construction staking, offsets, grades
- **Mapping and Measurement:** Topographic mapping, cross sections, elevations
- **Coordinate Systems:** State plane coordinates, project coordinates, control points
- **Engineering Documents:** Engineering plans, survey sketches, control information
- **Field Documentation:** Field notes, staking records, control documentation
- **Safety and Operations:** Survey safety, traffic awareness, irregular terrain
- **Crew Operations:** Survey technicians, survey aides, assignment planning
- **Transportation Requirements:** Automotive equipment, California Class C Driver License, driving record verification

SKILLS

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|------------------------|-----------------------|---------------------------|-------------------|
| • Land Surveying | • Centerline Surveys | • Vertical Control | • Total Stations |
| • Crew Supervision | • PLSS | • State Plane Coordinates | • Data Collectors |
| • Construction Staking | • Topographic Mapping | • Survey Monuments | • Field Records |
| • Right of Way Surveys | • Cross Sections | • Plan Interpretation | |

PROFESSIONAL AFFILIATIONS

- American River College surveying community, Associate of Science graduate, 2017.
- Professional surveying peer network, ongoing exchange of field methods, safety practices, and instrument knowledge.

LANGUAGES

- English (Native)
- Vietnamese (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST