Lyle I. Thompson, P.E. / P.L.S.-*Retired*

SURVEYING EDUCATION

1972 Graduate — **University of Idaho**
Degree: Bachelor of Science in Civil Engineering
International Correspondence Course (Civil Engineering)
Army Engineering Courses

ARMY

Idaho National Guard
116 Engineering, Bonneville County Bonneville

PROFESSIONAL LICENSES

- **Professional Engineer** (Civil Engineer) State of Idaho, License No. 2482
- **Registered Land Surveyor,** State of Idaho, License No. 854
- **Registered Professional Engineer** (Civil Engineer) State of Wyoming, License No. 1611

PROFESSIONAL AFFILIATION

- Member national Society of Professional Engineers
- Member Idaho Society of professional Engineers
- Member American Society of professional Engineers
- Member (Idaho Chapter) American Society of Civil Engineers
- Member American Consulting Engineers Council
- Member Consulting Engineers of Idaho

WORK EXPERIENCE

1973 – 2006 — *Thompson Engineering, Inc.*, Rigby, ID
Founder and Principal Owner of Thompson Engineering, Inc. and Land Surveyor

1972 – 1973 — *Bonneville County*
Assistant County Engineer

1971 — *Conrad Smith, PE*
Survey Crew Chief

1970 — *Leon G. Yates, R.L.S.*
Transit man

1968 – 1969 — *N.A. Degerstrom, P.E.*
Field layout and surveying for mineral property

1967 – 1968 — *Harvey J. Smith, P.E.*
Land surveying, construction surveying, water-sewer layout.

1964 – 1966 — *John E. Kay, P.E.*
Land surveying, and subdivision design and layout

1960 – 1963 — *Idaho Department of Highways*
Filed surveyor, location surveying, office computations, soil-aggregate-concrete Inspection, etc.

EXPERIENCE SUMMARY

- Idaho Department of Highways—Engineering & Surveying
- Utah State Road Commission—engineering Design and Construction
- Consulting Engineering (Civil Engineering), Western Consultants Inc. Moscow, Idaho—Surveying, local government. Laid out part of flood control project for Corporation of Engineering at Cul-de-sac, Idaho and tied off horizontal control on dam project below Lewiston, Idaho Corporation of Engineering.
- Construction Surveyor for contractor on airports project and highway project.
- Surveying of 140 mining claims in North Idaho Primitive Area
- Assistant County Engineer for Bonneville County, Idaho

SUMMMARY OF PRACTICAL ENGINEERING EXPERIENCE

- AIRPORTS
  - Field design and lay out of Moscow-Pullman Airport.
- BRIDGES
  - Construction of (8) concrete bridges spanning from 20-40 feet. Designed according to A.A.S.H.T.O specifications, one pre-stress, and one multi-plate and concrete culvert(s).
  - Federal maintenance inspection and computed load capacity ratings for pre-stress and two timber structures along with field inspection of one steel camel back truss and one steel deck truss structure for Clark County, Idaho.
  - Checked clearance and plan elevation from footing to deck, concrete quantities, steel quantities, size—dimension—location, on 27 concrete or steel structures varying from 150 feet to over 500 feet in total length.
  - Chief Inspector of (14) separate individual structures.

- ENGINEERING COMPUTERS
  - Complete charge of computing highway alignment and grades, bridge grades, deck camber, profiles, X-sections and quantities of materials for a 5 million dollar project from 8th south to 28th south and 2.5 million dollar project for 28th South to 52nd south on Interstate 15 highway system located in Salt Lake City, Utah. Also attended specialized schooling on computer programs for mass haul, bridge design, highway drainage, horizontal data, profiles, grades, excavation, embankment quantities and other engineering related subjects.

- ENGINEERING, CORP OF
  - Field layout and construction engineering for stream channel change located at Culd-de-Sac, Idaho.
  - Field control check on boundary points for future lake to be formed behind Little Goose dam located at Lewiston, Idaho.
  - Ririe Lake located east of Ririe, Idaho.

- FOREST SERVICE ROAD CONSTRUCTION
  - Director of construction of Forest Service road located near the head of the Little Clearwater River, 25 miles South of Avery Idaho. Supervised over blasting operations, drainage, pioneering, surveying, earth and rock excavation, grading, etc.

- HIGHWAY ENGINEERING
  - Design, field layout, surveying on Interstate 15, Idaho Falls to Monida Pass, as well as other state and county highways in the Snake River valley, Idaho and Interstate 15 and Interstate 80 located in Salt lake City, Utah

- INSPECTION
  - Bridge inspection for concrete, soils, steel and reinforcing steel placement. Highway inspection for soils, aggregate, asphalt and concrete materials, as well as sewer and storm drain installation. Inspection for cub and gutter, sidewalk, catch basin, manhole construction, and bridge piling. Completed Utah State highway inspection school for asphalt, aggregate, concrete and soil. Completed Idaho State Highway Department inspection school fro asphalt, aggregate, concrete, and soil.

- MINERAL SURVEY
  - Field design and lay out of 140 mineral claims in rough, brushy, timber-covered, mountainous country, 75 miles east of St. Maries, Idaho.

- MOBILE HOME PARK
  - Design and layout of a 200 unit mobile home park. Includes streets, curbs, gutter, sidewalk, lighting, culinary water, storm and sanitary sewer, trailer stands, and landscaping. Lactate at Clarkston, Washington.
  - Design of a 27 unit mobile home park includes streets, sidewalks, lighting, culinary water, storm and sanitary sewer, septic tank and drain field capacity, location and design, drainage, trailer stands and landscaping.

- SURVEYING
  - Construction surveying such as horizontal alignment and vertical control, sewer-water and miscellaneous pipe layout, slope staking, cross sectioning, bridge layout, street and highway layout, channel change and drainage layout, pile layout, housing development and trailer court layout.
  - Airport, construction surveying such as horizontal and vertical control for flight approach, airport runway, taxi-runway, surface drainage, channel change, relocation of roadway, access road, airport lighting, etc.
  - Land Surveying. Location is surveys for future interstate highway systems, location and re-establishment of numerous government section and quarter section corners, re-establishment of township, range and section lines, subdivision of sections, local subdivisions, local property surveys, traverse and triangulation control, astronomical observation, compass surveys, and boundary surveys.
  - Route surveying. Highways, canals and waterways and other linear facilities.
  - Mineral Survey. Location and marking of legal boundaries of mineral deposits.

- SUBDIVISIONS
  - Design and layout of 100 acre subdivision in brushy, steep, hilly country at Summit Park located near Salt Lake City, Utah.
  - Design and layout of 50 acre subdivision along with streets, drainage, etc., located near Sandy, Utah.
  - Field design and layout of 80 acre subdivision in hilly Palouse country, along with streets, culinary water, sewer, lighting, etc., located in Pullman, Washington.
  - Design and layout of 30 acre subdivision, along with streets, drainage, percolation tests, etc., located near Pullman, Washington.
  - Design and layout of 200 acre corporation land development which includes motel, swimming pool, golf course, apartment units, and housing units.
  - Design and layout of many 5-20 acre subdivisions located in the Moscow-Pullman and Lewiston-Clarkson (Idaho and Washington) area.
  - Design and layout of 100 acre subdivision located near Idaho Falls, Idaho.
  - Design and layout of 5 acre subdivision which includes road and culinary water, located along Big Elk Creek near Palisades Reservoir, Idaho.
  - Design and layout of 640 acre subdivision in steep, brushy, timber covered hills, located about 35 miles Southeast of Idaho Falls.

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- UNIVERSITIES
  - Field design and layout of football stadium, including over 500 pile, massive footings to support overhead structures and seating stands, drainage, excavation and embankment, soil stabilization, steel placement, etc.
  - Design and layout of student housing development, including streets, culinary water, sewer, and drainage, lighting, etc.
  - Field design and layout of track facility which includes boundary location, truck alignment and vertical control (preliminary and construction), sidewalk, stands, drainage, sprinkler system, etc.
  - Field design and layout of extension of large six story faculty building included foundations and footing, match up of inner walls and floor units, underground heating, sewer, culinary water, drainage, sidewalks, landscaping, etc.

- LOCAL IMPROVEMENT DISTRICT
  - Engineering design of approximately $200,000.00 project. Included street grading, gravel base, asphalt, curb and gutter, sidewalk, storm sewer and sanitary sewer design, street lighting, etc. Also

made up the engineer's estimate for the above project and computed the assessment per land owner suing three variable functions as a basis for the formula.

- Sanitary sewer system design which included future population projection study for entire area of project, pipe systems analysis and design, preliminary study and economical evaluation of alternatives, along with other incidentals.

Engineering Projects, 1974

Ririe Dam, Ririe, Idaho

PROIDA Foods, Potato Processing Plant Ririe, Idaho

F.H.A. Home Surveys Sewer design and land surveying Rigby, Idaho

Broulim's Super Market, street and parking lot design and layout Rigby, Idaho

Taco Time Idaho Falls, Idaho

Wackerli Complex Idaho Falls, Idaho

Warm River Development Idaho Falls, Idaho

Scottsville Homes Idaho Falls, Idaho

Canyon Creek Estates Idaho Falls, Idaho

Lake Side Height Resort Palisades Lake, Idaho

Spring Valley Acres Resort Greys Lake, Idaho

Engineering-Surveying miscellaneous projects in Bonneville, Bingham, Clark, Fremont, Jefferson, Madison and Teton counties

Clark County, bridge design Dubois, Idaho

Jefferson County Irrigation Co., Design and layout of canal systems Montview, Idaho

U.S. Postal Service, Engineering on site location Ririe, Idaho

U.S. Postal Service, Engineering on site location Rexburg, Idaho