

LAXMI PRASAD PANERU, P. E.

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Licensed civil engineer with a master's degree in civil engineering and 6+ years of design experience. Actively seeking new opportunities for career growth. Eligible to work in the US for any employer without visa sponsorship.

EXPERIENCE

Professional Engineer I, *Pettigrew & Associates, NM* **March 2021 – September 2022**

- Led street improvement and grading design projects in New Mexico and Arizona.
- Reviewed draft design, provided comments, stamped finalized plans.
- Calculated quantity, estimated cost, assisted in bidding of county roads.

Engineer Intern III, *Pettigrew & Associates, NM* **September 2016 – March 2021**

- Designed roadway, storm drainage, waterline, and grading using Civil 3D.
- Attained traffic analysis techniques by collaborating in NMDOT access permit reporting.
- Designed geosynthetic liners and calculated earthwork for oil field containment ponds.
- Collected geotechnical field data (SPT, percolation) and plotted boreholes.
- Prepared excel templates for retaining wall design and settlement calculations.
- Conducted rebar inspections for shallow foundations, slab on grade, and slab on deck.

Research Assistant, *Sandia National Laboratories, NM* **January 2015 – December 2015**

- Obtained security clearance from Kirtland Air Force Base.
- Worked under the supervision of Dr. John Stormont in a research project related to geological disposal of nuclear waste, funded by Department of Energy's Nuclear Energy University Program.
- Re-consolidated granular salt and measured its thermal properties, permeability, and porosity.

Teaching Assistant, *University of New Mexico, NM* **Spring 2014, Spring 2016**

- Taught Soil Mechanics (CE360) lab tests, graded lab reports and quizzes for two semesters.
- Tests include proctor, sieve analysis, hydrometer, Atterberg limits, direct shear, unconfined compression, field dry density, consolidation, and permeability.

EDUCATION

M. S. Civil Engineering (Geotechnical), *University of New Mexico, USA* **2014 – 2016**

B. S. Civil Engineering, *Tribhuvan University, Nepal* **2006 – 2010**

SKILLS

MS Office | AutoCAD Civil 3D | Autodesk Storm and Sanitary Analysis | GeoHECRAS | HEC-HMS
LogPlot | Settle 3D | Slide | Streetlight Data | HCS7 | Abaqus | Bluebeam

CERTIFICATION

Professional Engineer (Geotechnical), *New Mexico* **March 2021 – Present**

Drilled Shaft Inspector, *NMDOT* **May 2019 – December 2022**

PUBLICATION

- Paneru LP, Bauer SJ, Stormont JC. Thermal Properties of Consolidated Granular Salt as a Backfill Material. *Rock Mechanics and Rock Engineering*, 2017. doi.org/10.1007/s00603-017-1353-5.
- Sabih G, Paneru LP, Tarefder RA. Simulation of the Brazilian Test on Concrete Discs to Verify Size Effect Law. *4th Geo-China International Conference 2016*. doi.org/10.1061/9780784480090.003.