

## Prof. Nathan M. NEWMARK



Prof. NEWMARK was responsible for developing the seismic design criteria for Alaska Pipeline.

Prof. Nathan M. NEWMARK developed simple, yet powerful and widely used methods for analyzing complex structural components and assemblies under a variety of conditions of loading and for calculating the stresses and deformations in soil beneath foundations. He contributed significantly to a better understanding of the behavior of structural materials under various environments including fatigue and brittle fracture. He added materially to knowledge of the behavior and design of highway bridge decks and floor slabs in buildings and structures subjected to impact, periodic excitation, wave action, wind, blast, and earthquakes.



*N. M. Newmark*

Watch a video clip from construction of Alaska Pipeline:

[https://www.youtube.com/watch?v=N4\\_92Fim34Q](https://www.youtube.com/watch?v=N4_92Fim34Q)



Alyeska Pipeline. Bridge designed by Prof. NEWMARK over Tanana River, 1977.

Below are examples of Prof. Newmark Legacy at CEE.

