

NSEL LEGACY

Sources:

1. *History of the College of Engineering of the University of Illinois 1867 – 1945* by Ira O. BAKER and Everett E. KING.
2. Leadership and Legacy. A History of Civil and Environmental Engineering at Illinois. Edited by William J. HALL and Amr S. ELNASHAI:
https://issuu.com/ceeatillinois/docs/history_2_pdf_issuu
3. Collection of Prof. William GAMBLE.

Milestones:

1. 1867 – Department of Civil Engineering, Polytechnic Department of University of Illinois.
2. 1871 – Prof. John Burkitt WEBB – first CE Department Head.
3. 1889 – Prof. Ira O. BAKER established Cement and Masonry Laboratory to be known as the Cement and Concrete Laboratory.
4. 1890 – 1891 – acquisition of surveying instruments.
5. 1906 – Road Materials Laboratory.
6. 1923 – *The Road Materials Laboratory* was split into two separate units: *Bituminous Materials Laboratory* and *Non-Bituminous Materials Laboratory*. Also, a *Structural Research Laboratory* was established that year with focus on reinforced concrete.
7. 1929 – All three of these laboratories were moved to Materials Testing Laboratory to be known as Talbot Laboratory.
8. 1929 – Acquisition of 3,000 kip testing frame
9. 1939 – The Slab Project.
10. 1951 – Testing of Riveted and Welded Connections using 3,000 kip testing frame.
11. 1959 – Prof. GAMBLE was a key person in testing of concrete structures in Talbot Lab and NSEL.
12. 1967 – Nathan M. NEWMARK Civil Engineering Laboratory.
13. 1968 – Earthquake Simulation Table. Prof. Mete SOZEN.
14. 1969 – U. S. Army Construction Engineering Research Laboratory.
15. 1971 – Structural Dynamics Program with emphasis on earthquake and nuclear blast loads. Professors Arthur B. CHILTON and Prof. Louis R. SHAFFER.
16. 1974 - Acquisition of fatigue testing frames (600 kip, 100 kip, 50 kip and 20 kip) located at the East End of NSEL
17. 1997 – Mid-America Earthquake Center (MAE). Prof. Daniel ABRAMS.
18. 2003 – Network for Earthquake Engineering Simulation (NEES). Prof. Amr S. ELNASHAI.