

# IOWA STATE UNIVERSITY

College of Engineering

## Master of Engineering in Civil Engineering New Program Review

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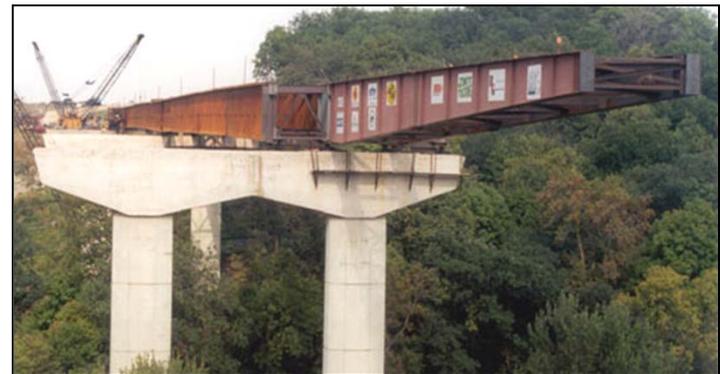
# Brief Summary

- Graduate degree program for students through coursework without completing a research thesis
- Enrollment meeting projections
- Projected enrollment of 40 in 7 years

	Projected Enrollment	Actual Enrollment
Fall 2011	5	5
Fall 2012	11	15
Fall 2013	17	16
Fall 2014	23	27
Fall 2015	29	29

# The Civil Engineering Profession

Civil engineers plan, design and oversee construction and maintenance of building structures and facilities, such as roads, railways, airports, bridges, harbors, dams, irrigation projects, power plants, water and sewerage systems.



# M. Eng. in Civil Engineering

- Administered by the Department of Civil, Construction and Environmental Engineering
- No full-time faculty designated to program; students take classes alongside peers in other degree programs, resulting in little or no marginal costs
- Degree based on coursework - 30 credit hours
- 6 credit hours can be taken from other departments
- Degree can be completed within 1 to 1.5 years
- Students' profiles:
  - Engineers in industry needing a Master's degree
  - ISU B.S. students needing an advanced degree
  - International students

# Current State of the Program

- No new courses created – courses similar to M.S. degree in Civil Engineering
- Faculty: 33 tenured/tenure-track faculty
- Ranked 24<sup>th</sup> among all public universities
- FY 2015 job placement:
  - 73% at graduation, 97% 6 months after graduation
- Major employers:
  - State agencies (e.g., Iowa DOT, Iowa DNR)
  - Consulting companies (e.g., HR Green, HDR)
  - Contractors (Weitz, Kiewit)
- Average starting salary: \$57,000 (2014- 2015 data)

# Future Plans

- Enrollment growth expected
- National Council of Examiners for Engineering and Surveying (NCEES) recently issued a position statement on increased educational requirements for engineering licensure:
  - a master's degree in engineering, or
  - additional 30 credits of graduate or upper level undergraduate courses in engineering beyond B.S. degree



# Questions?