INDIRECT ASSESSMENT MEASURES

- At the program level, outcomes assessment is conducted in discussions with various Program constituents including the Department Chair, faculty, students, and industry personnel
  - These discussions occur by telephone, in student counseling sessions, at faculty meetings, and at professional association functions.
  - The curriculum changes instituted for the 2004-2006 University catalogue derived from numerous faculty discussions.
  - The curriculum changes being discussed for the 2012/13 Academic year are a result of faculty discussions at summer retreats, and several industry meetings to determine current trends in the construction industry are being taught in the undergraduate curriculum.

- Student Successes at Regional and National Student Competitions
    - **2012 Awards**
      - 1st Place Multi-Family/Mixed Use (Region 7)
      - 2nd Place Mechanical (National)
    - **2011 Awards**
      - 1st Place Heavy Civil Team (Region 7)
      - 1st Place Multi-Family/Mixed Use Team (Region 7)
      - 1st Place Electrical Team (National)
      - 2nd Place Design-Build Team (Region 7)
      - 2nd Place Mechanical Team (National)
      - 3rd Place DPRisk Team (National)
    - **2010 Awards**
      - 1st Place Commercial Team (Region 7)
      - 1st Place Electrical Team (National)
      - 1st Place Mechanical team (National)
      - 2nd Place Design-Build Team (Region 7)
      - 2nd Place Multi-Family/Mixed Use Team (Region 7)
  - Mechanical Contractors Association of America (MCAA) Student Competition, http://www.mcaa.org/careers/
    - Dec 2011: Top Four Finalist – Bid Proposal
    - March 2012: 2nd Place National WINNER
Employment of Students and Graduates

- Local and national employers continue to recruit our students for internships and to hire them for full-time career positions.
- Prior to the economic crash, our students received 100% job placement. Many received multiple job offers up to 12 months before graduation.
- In 2011, 30 of the 37 students received job offers in the construction industry.
- In 2012, 100% of the 23 graduates have been offered full-time career positions.

New Articles of Graduate Achievements

- 2009 CM Grads, Tracy Young and Ryan Sutton-Gee developed construction software and were showcased in the following articles,
  - http://techcrunch.com/2012/03/02/plangrid-builds-a-new-market-for-the-ipad-the-construction-industry/
  - http://techcrunch.com/2012/03/27/yc-demo-day-session-1/

Completion of Construction Projects with CSUS CM Grads in positions of authority

- The past 9 projects on campus were completed by Alumni of the CM Program
- Alumni completed the recent $1 billion Sacramento International Airport Terminal A

The Alumni survey will initially be emailed out to all graduates of the program to develop a baseline of assessment data (scheduled for Fall 2012). Every three years thereafter, an alumni survey will be emailed out to alumni that graduated within the past 3 to 6 years. The standard CM Alumni survey form will be developed by faculty by the end of the spring 2012 semester.

- A 2006 CM graduate has established a CM chapter of the CSUS Alumni Association charged with updating the contact information of the Alumni and an industry committee was formed to provide fundraising events with involvement of the CM Alumni. Since the fall 2010, three CM Alumni fundraising events have taken place with a growing demand of participation and success.
- The data collected from the Alumni surveys, along with regular input from the industry advisory board, will be used by faculty in the constantly evolving development of the CM curriculum

Alumni Mentoring Students

- Guest Lecturers
- Part-time Faculty
- Coaches for Student Competitions