



THE CHANGING FACE OF CONSTRUCTION

Nationwide

- ◎ Many areas are reporting shortages of craft workers.
- ◎ We are beginning to see shortages of white collar or engineering staff.

Upcoming Construction in the St. Louis Region

- ◎ Conoco Phillips
- ◎ Prairie State Energy
- ◎ Ballpark Village
- ◎ Mississippi River Bridge
- ◎ Washington University
- ◎ MSD's new funding stream
- ◎ Brown Shoe
- ◎ Potential Nuclear Plant

St. Louis Workforce Trends and Stats

Construction workforce in the basic trades

- ◎ 1990 Trade Workhours 10,538,000
- ◎ 2000 Trade Workhours 17,526,000
- ◎ 2007 Trade Workhours 17,488,000

Outreach into the Community

- ◎ Build up!
- ◎ On Site
- ◎ Construction Careers Center recruitment
- ◎ Majic Camp
- ◎ Tech Prep
- ◎ ACCESS – Association for Construction Careers, Education and Support Services
- ◎ Apprenticeship Program career days

Technical Schools

- ◎ Construction Careers Charter High School
- ◎ Clyde C. Miller Technical High School (City of St. Louis)
- ◎ Special School District vocational programs
- ◎ ITT
- ◎ Ranken Technical College

Outcomes in the Trades

- ◎ 3,200 apprentices are currently in the five basic trades in St. Louis
- ◎ Difficult to measure the impact of outreach
- ◎ 1/3 of graduates of the CCC enter into the trades
- ◎ Clients are beginning to focus on “boots on the ground”

Engineers and their Counterparts

- ⦿ Retirement from the construction industry is not being replenished.
- ⦿ Projects have greater requirements for white collar professionals.
- ⦿ Number of graduates from SIUE and MST is growing.
- ⦿ Curriculum is being revised to meet increased demands

Outreach into the Community

- ◎ Build up!
- ◎ On Site
- ◎ University of Missouri Young Engineers
- ◎ Society for Black Engineers
- ◎ National Association for Women in Construction
- ◎ AGC Student Chapters

College Degree Opportunities

- ◎ Southern Illinois University – Edwardsville
- ◎ Missouri Science and Technology
- ◎ Southeast Missouri State University
- ◎ Central Missouri State University
- ◎ Missouri State University
- ◎ University of Missouri at Columbia
- ◎ St. Louis Community College
- ◎ University of Missouri St. Louis Masters Program
- ◎ Washington University Graduate School Program

Outcomes for Engineers

- ◎ A very high percentage of students find jobs in the construction industry upon graduation.
- ◎ 1/3 graduates from the CCC are entering secondary education opportunities
- ◎ Diversity of graduates is gaining ground
- ◎ Starting salaries

Retention in the Industry

- ⦿ 8 hour work day
- ⦿ Lack of involvement in industry
- ⦿ Electronically Savvy
- ⦿ Protective of private time
- ⦿ Opportunities for flexibility
- ⦿ Benefits

Responsibility of the Corporation

- ◎ Basic Etiquette
- ◎ Work Environment
- ◎ Continuous training
- ◎ Family support

What Else?

- ◎ Material Shortages and Price Fluctuations
- ◎ Technology changes (Building Information Modeling)
- ◎ Commoditization of Services
- ◎ Health Care Costs
- ◎ Economic Downturn
- ◎ Political Uncertainty

Robust Plans for the Future

- ◎ AGC of St. Louis, RCGA and others
 - Focus on Diversity – programs and metrics that work
 - Shaping the legislative initiatives locally and statewide
 - Comprehensive Permitting Initiative
 - Focus on retainage of talent
 - Continued support and reinforcement of Green Initiatives
 - Focus on St. Louis as a transportation hub
 - Continued support of the growing area of Plant and Life Sciences
 - Support and initiatives for a vibrant downtown