What is the Construction Inspection Workforce Program (CIWP)?

A joint effort of Columbus State, ODOT & ACEC Ohio to create a workforce of job-ready entry level consultant construction inspectors – the next generation of highway & bridge construction inspectors (career pathway)
• **Education**
  – 38 Credit Hours of Civil Engineering Technology, Construction Management and Surveying Courses

• **Certification**

• **Internship**
  – Formal 12-month paid internship working for an ODOT qualified engineering consultant on ODOT or ODOT-related projects
Why Now? Why the CIWP?

- Shortage of Qualified & Experienced Inspectors
- Increased Complexity of Inspection
- Formal industry supported programs that include formal education, certification & internships
- Large and numerous highway & bridge projects in Ohio and surrounding states
- Partnering w/Urban Community Colleges
Goals & Deliverables

Started May 2018 – Goal of 1st CIWP “Graduates” Prequalified as Ohio DOT Consultant Construction Inspectors – Late 2020

- Curriculum Supportive of Becoming Certified w/NICET Levels I&II and passing ODOT required certifications and tests w/Education Credit Towards NICET Levels I&II Experience Requirements

- CSCC as “One Stop Shop” for Students (and Employers)

- Program Tri-Fold Brochure & Weblink, Outreach Plan to Existing CSCC Students and Career Technical High Schools

- Agreement w/ODOT and ACEC Ohio for Formal Internships

- Benchmark w/State DOT’s, Community Colleges & Industry Advisory Group

- Program Guidebook June 30, 2019
Project Inspector Intern Program

Related & Independent of the CIWP – Effective This Construction Season

- New Section of the ODOT Consultant Prequal Requirements & Procedures 2019 Edition - Section 2.50 Project Inspector Intern

- Goal to Support the Experience Component of Future Prequalified Inspectors – 3 Levels of Project Inspector Interns

- Consultants are Reimbursed an Hourly Rate for Each Level, Included in Contracts and also Voluntary

- Consultants Responsible for Support – Varied Experience, Preparation for Certification and Testing
Unplanned Opportunities & Challenges

- Opportunity for “Adult Learners” to enter the workforce or improve skills
- Potential for utilizing CSCC Curriculum statewide
- Challenges of required ODOT Prequalification Certifications
- Winter Work as a Career Challenge
- Opportunity to Benchmark w/other States through AASHTO Committee on Construction - Safety, Environment and Workforce Development Committee and NICET QA/QC Workforce Development Group
ODOT - Columbus State CIWP

Career Pathway Next Steps

Certification & Licensure Paths Starting with CIWP

ODOT Prequalified Inspectors + Additional Certifications
- Project Structure Inspector
- Coatings Inspector
- Traffic Signal and Lighting Inspector
- Soils and Aggregate Inspector
  - NICET Levels III & IV

BS in Civil Engineering (Ohio University)
+ Experience and Testing = Licensed Professional Engineer (PE)

Construction Engineer/PM – Contractor & Inspectors Work for You...
ODOT - Columbus State CIWP
Career Pathway Next Steps

Educational Path Starting with CIWP

- Associates of Applied Science in Civil Engineering Technology (AAS CET)
- Associate of Applied Science in Surveying
- Associate in Applied Science in Construction Management

AAS CET > Bachelor of Science in Civil Engineering (Ohio University)
Organization of the CIWP

- Ongoing Agenda for Monthly Meetings & Industry Advisory Group Meetings
  - Organizational Component
    - PM Contract/Invoicing/Reporting, Industry Advisory Group, Urban Area Updates, Guidebook, Student Commitment #’s
  - Academic Component - Course by Course Crosswalk, Course Adjustments
  - Certification Component
    - NICET, Prequals - ACI, Aggregate, Work Zone Traffic, Asphalt Concrete
  - Internship Component - ODOT Sponsored Consultants, Consultant Contract Manual
  - Program Agreements - NICET Articulation/Education Credit, NICET Training Provider
  - Communication, Marketing and Outreach
    - Students/Future Students, Conference Presentations, Websites, Brochures
  - Benchmarking/Continuous Improvement
    - AASHTO CoC, NICET, NCHRP Funded Research
Find Out More

• Questions/Answers?
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