



THE CITY OF
COLUMBUS
MICHAEL B. COLEMAN, MAYOR
DEPARTMENT OF
PUBLIC UTILITIES

COLUMBUS STATE
COMMUNITY COLLEGE



Columbus
Urban League

**BLUE
PRINT**
COLUMBUS
Clean streams.
Strong neighborhoods.

Green Infrastructure Workforce Development Training Program | Year One Review

MAY 14, 2015



WILLIAMS CREEK
CONSULTING

When It Rains...

**BLUE
PRINT**
COLUMBUS
Clean streams.
Strong neighborhoods.

- Sewers that work fine the rest of the time become too full
- Can cause overflows of sewage into rivers, and basement back-ups



Traditional Solution?



- Just build a bigger sewer
- Only treating the symptom – not the cause
- But we have to do something (Consent Decrees with Ohio EPA)
- Current “gray” plan calls for two big, long tunnels, with a big price tag
- \$2 billion over next thirty years

Is There A Better Way?

**BLUE
PRINT**
COLUMBUS
Clean streams.
Strong neighborhoods.

- Spend money above ground instead of on little-used deep tunnels
- Create opportunity to engage community and rebuild neighborhoods
- Significantly better opportunity for local and small businesses
- Focus on getting the rain water out of the sewer

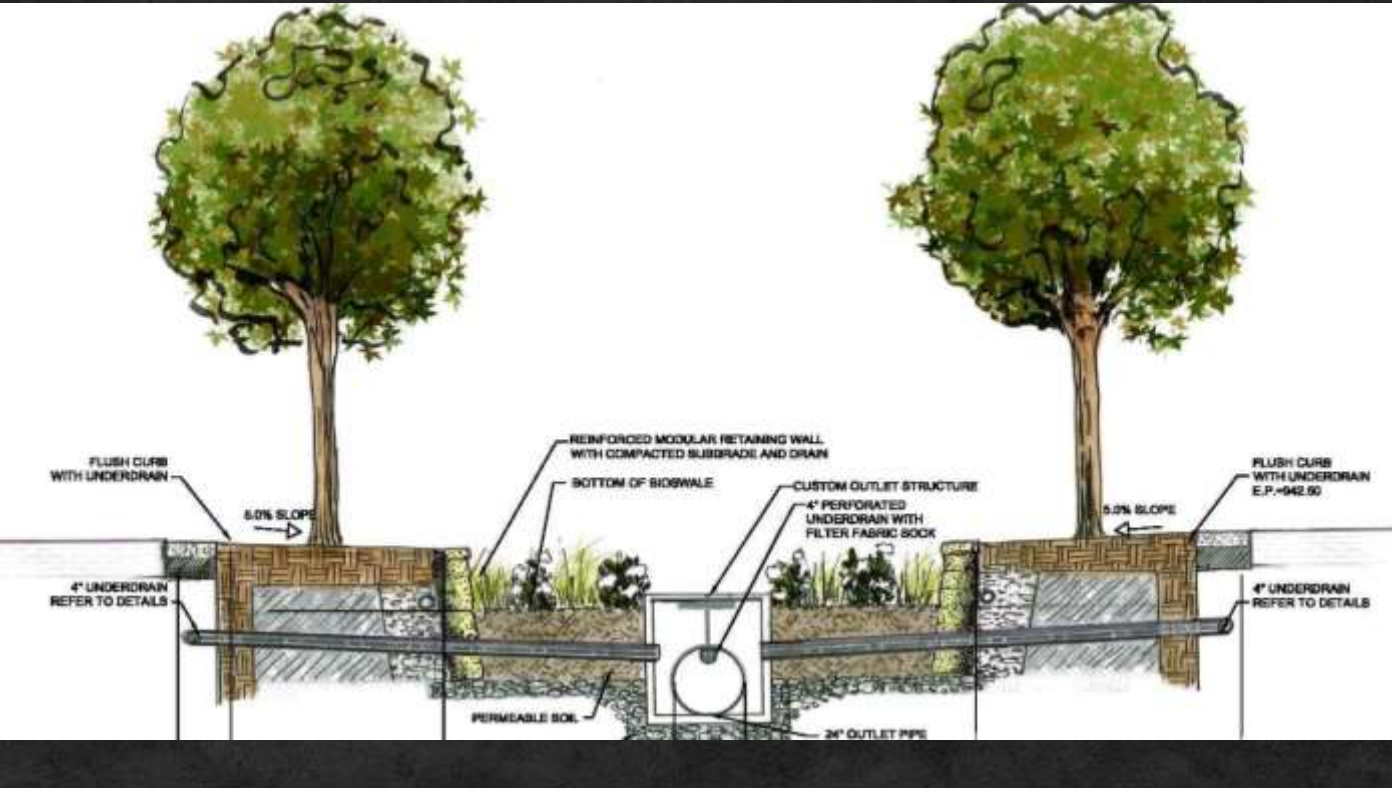


Blueprint Areas

- To correct SSOs, have about 30,000 acres to address
- Will be adding approximately 10 to 20 acres of green infrastructure per year



Green Infrastructure (GI) Best Management Practices



- Bioretention Cells
- Bioswales
- Constructed Wetlands
- Vegetated Wet Ponds
- Native Landscape Basins
- Rain gardens
- Permeable Pavement
- Proprietary Technologies
- Filter Strips
- Infiltration Basins
- Rainwater Harvesting

Other Green Infrastructure Projects

- Existing Green Infrastructure
- Street Projects
- Private and Other City Projects
- Basin Retrofitting
- Vacant Lot Repurposing Still Being Piloted



Blueprint Job Projections (Regionomics)

- 475 local direct jobs
- 600 jobs after 10 years
- Total Direct Need=1,500 workers over 10 years



Team Partners

THE CITY OF
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COLUMBUS STATE
COMMUNITY COLLEGE

Regionomics™ LLC
from Trends to insight to Action



Regionomics

**SIMCO
Construction**

**Williams Creek
Consulting**

The Blueprint Training Program



OHIO SMALL BUSINESS DEVELOPMENT CENTER (SBDC) AT CSCC

- Provide entrepreneurial development assistance and high-end business consulting to start-up and emerging business owners free of charge.
- Nine counties including Delaware, Fairfield, Fayette, Franklin, Licking, Logan, Madison, Pickaway and Union counties.

Training Recruitment-Outreach Events



CITY OF COLUMBUS OUTREACH EVENT

GREEN INFRASTRUCTURE TRAINING PROGRAM

JOIN US TO MEET THE TRAINING INSTRUCTORS AND LEARN ABOUT:

- Blueprint Columbus
- The City's Green Infrastructure Workforce Development Training Program in partnership with Columbus State Community College and the Columbus Urban League
- How a Green Infrastructure Training Certificate, equivalent to experience for City contracting, can be earned
- Future Green Infrastructure Project opportunities with the City

WHO

- SMALL BUSINESS OWNERS & EMPLOYEES
- INDIVIDUALS INTERESTED IN STARTING THEIR OWN BUSINESSES
- INDIVIDUALS INTERESTED IN A CAREER FOCUSING ON GREEN INFRASTRUCTURE CONSTRUCTION AND MAINTENANCE

WHEN

TUESDAY
FEBRUARY 17, 2015
8:30 TO 7:00 PM

WHERE

COLUMBUS URBAN LEAGUE
MULTI-PURPOSE ROOM
700 MOUNT VERNON AVENUE
COLUMBUS, OH

THE CITY OF COLUMBUS
WORKS & COMMUNITY IMPROVEMENT
DEPARTMENT OF PUBLIC UTILITIES

COLUMBUS STATE
COMMUNITY COLLEGE

Columbus Urban League

TO REGISTER FOR THE OUTREACH EVENT...

Please email Cindy Jacobson at cjacobson@transmissioncolumbus.com or call 614.488.9332 by Monday, February 16, 2015.



Landscape Interest Survey

Green Infrastructure Training Curriculum/Columbus Blueprint Project Landscape Interest Inventory

For each comment, circle whether the task is of no interest to you (1), high interest for you (5) or somewhere in-between (2-3-4).

I like:

Low Interest to High Interest

to work outside	1	2	3	4	5
to work inside	1	2	3	4	5
to work with people	1	2	3	4	5
to learn how keep plants alive	1	2	3	4	5
to work with nature	1	2	3	4	5
to work with numbers	1	2	3	4	5
to work with my hands	1	2	3	4	5
to work with computers	1	2	3	4	5
to work by myself	1	2	3	4	5
to work with tools	1	2	3	4	5
to work with plans and designs	1	2	3	4	5
to works with plants	1	2	3	4	5
to work with machinery	1	2	3	4	5
to solve problems	1	2	3	4	5
to work in a logical, step by step fashion	1	2	3	4	5
to analyze information and interpret it for others	1	2	3	4	5
to work with others	1	2	3	4	5
to learn new information	1	2	3	4	5
to work in a more flexible work situation	1	2	3	4	5
to design a new system (mechanical)	1	2	3	4	5
to work with engines	1	2	3	4	5
to think up new ideas	1	2	3	4	5
to be physically active	1	2	3	4	5

Three Ways To Register

COLUMBUS STATE
community college
Center for Workforce Development

Non-Credit Registration Form

PLEASE PRINT CLEARLY:

STUDENT INFORMATION

Name: _____

Address: _____ Apt # _____

City: _____ State: _____ ZIP Code: _____

District Telephone: (____) _____ Extension Telephone: (____) _____

E-Mail Address: _____ Gender: Female Male

PRESENT LEVEL OF EDUCATION COMPLETED: _____

STUDENT INFORMATION

Current: _____ Shift: _____ Comment: _____

In order for Columbus State Community College to establish a student file, including transcripts, registrants must provide a Date of Birth. The Date of Birth is requested for the purpose of record verification and mandatory state and federal reporting requirements for which the College is responsible. The Date of Birth will not be used as the primary student ID.

Date of Birth (mm/dd/yyyy): ____/____/____

FOR OFFICE USE ONLY

Company Name: The City of Columbus, Department of Public Utilities

Type of Training: Full Time Contract Other Other

Course Name: _____ Date of Training: 2021/____/____

Registrar Information: Registrar Info Collected: Yes No

Student's Current ID Number: _____



Call

614.287.5858



Email Completed Form To:

CEWDREG@CSCC.EDU



Mail Form To:

Columbus State Community College
Attn: Non-Credit Registration
550 E. Spring Street
P.O. Box 1609
Columbus, OH 43216-1609

PAYMENT METHOD: Credit Card (any, except American Express) or
Check payable to Columbus State Community College

Spring 2015 Class

- Max class size of 30
- Dropout Rate
- Columbus Urban League New Beginnings Program
- Alvis House
- Huckleberry House
- Landscaping Contractors
- 19 graduates



The Blueprint Training Program



TOPICS COVERED

A combination of classroom, lab, and hands-on field experience

- **Green Infrastructure Elements**
 - Plant Identification / Ecology
 - Soil Preparation
 - Maintenance
- **OSHA 10 Hour**
- **Hardscape Fundamentals**
 - Types and Maintenance
- **Field Trips / Hands-on Experience**
 - Franklin Park Conservatory, Grange Audubon Center, Griggs Reservoir, Discovery District

Training Syllabus

Columbus Blueprint Workforce Development Training - Columbus State Community College												
WEEKS	Monday				Wednesday				Friday			
	Hour 1	Hour 2	Hour 3	Hour 4	Hour 1	Hour 2	Hour 3	Hour 4	Hour 1	Hour 2	Hour 3	Hour 4
Week 1 (3/9-3/13)	Consent Order & RAMA Road Show	Hydrologic Cycle	Water Wastewater Infrastructure	Storm Water Infrastructure	Plants	Plants	Plants	Plants	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness
Week 2 (3/16-3/20)	Basics of Soil	Basics of Soil	Basics of Soil	Basics of Soil	Ecology	Ecology	Ecology	Ecology	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness
Week 3 (3/23-3/27)	Soils Prep	Soils Prep	Soils Prep	Soils Prep	Tools of the Trade	Tools of the Trade	Tools of the Trade	Tools of the Trade	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness	OSHA Construction Safety Awareness
Week 4 (3/30-4/3)	Greenscape Maintenance	Greenscape Maintenance	Greenscape Maintenance	Greenscape Maintenance	Greenscape Maintenance	Greenscape Maintenance	OSU Chadwick Arboretum Field Trip		Hardscape	Hardscape	Hardscape	Hardscape
Week 5 (4/6-4/10)	Garden Types and Plants	Garden Types and Plants	Garden Types and Plants	Garden Types and Plants	Grange Insurance Audubon Center Field Trip				Hardscape	Hardscape	Hardscape	Hardscape
Week 6 (4/13-4/17)	Franklin Park Conservatory Field Trip				Grange Insurance Audubon Center Field Trip				Low-Mow/Slow-Grow Barthman Parsons Park Field Trip			



Spring 2015 Class-Graduation Ceremony



Early Success Stories-Huckleberry House & Alvis House



[Huckleberry House, Inc.](#)
[Yesterday at 12:50pm](#) · [Edited](#) ·
Congratulations Sabatino Jablonski on your first day of work with [Brickman](#)! Huckleberry House is always proud to see our clients succeed!

Early Success Stories-Barthman Parsons Blueprint Project



“Invited participants include: prime contractors, certified small minority, and female-owned firms, **as well as recent graduates of the Green Infrastructure Workforce Development training program at Columbus State Community College**”



For Additional
**Training Program
Information...**

www.columbus.gov/blueprint/

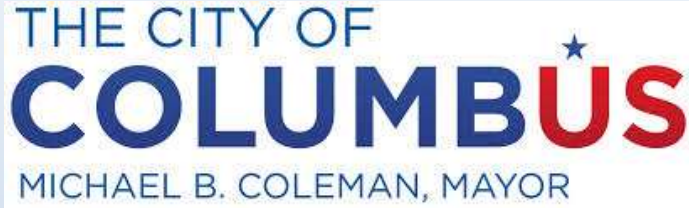
Click on:

TRAINING OPPORTUNITIES

Click on:

GREEN INFRASTRUCTURE TRAINING
COURSE

Thank you!



Keena Smith-Assistant Director, Workforce & Economic Development-Department of Public Utilities

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Email: kmsmith@Columbus.gov



Cindy Jacobsen-Regional Client Service Manager
T&M Associates

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Email: cjacobsen@tandmassociates.com



John Hazlett-Manager, Water Footprinting Services
Williams Creek Consulting

Phone: 317.423.0690

Email: jhazlett@williams creek.net