

EXPERIENCED STAFF

CCI has a staff of Professional Engineers, Planners, Architects and Engineering Technicians that includes:

- Transportation PE's
- Architects
- Transportation EIT
- BIM Technicians
- Electrical EIT
- CADD Technicians
- Structural PE
- GIS Technicians
- Structural EIT
- Specialty IT
- Surveyor Intern

ADVANCED TECHNOLOGY

AutoCAD	Dynamo
AutoCAD MEP	Vasari
AutoCAD Civil 3D	EnergyPlus
AutoCAD Map	eQuest
AutoCAD Utility Design	Syncro
AutoCAD P&ID	CostX
AutoCAD Plant 3D	Edgewise
Autodesk BIM 360 (R4C)	
Revit	Bentley Microstation/GeoPak
Navisworks	ProjectWise
Recap 360	AutoTurn
Infraworks	AutoTable
	Pond Pak
3DS Max	ODOT CDSS Drainage Design
Blender	FHWA HY-8 Culvert Design
CADPipes	SKM Power Tools
Leica Cyclone	Hydrocad
Trimble Business Center - HCE	
Buzzsaw	ESRI ArcGIS Desktop
	ESRI ArcGIS Server
Revit Server	
BIM Server	Microsoft Project
COMcheck +REScheck	Microsoft Sharepoint
BMSight	Google SketchUp

CONTACT US

Corporate Headquarters

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Branch Offices

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407.276.4246

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646.630.5304

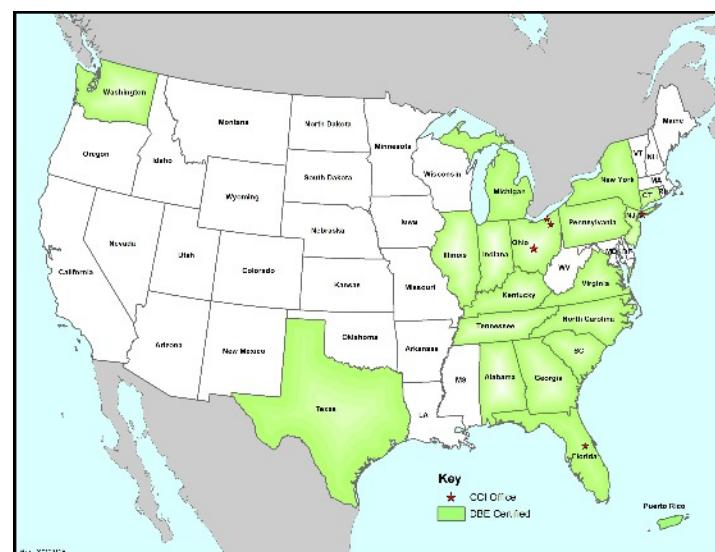
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www.ccitechs.com

NOW OFFERING uAS SERVICES



CERTIFICATIONS BY STATE



CCI is certified as a Female-Owned Business (FBE), Small Business Enterprise (SBE), Women's Business Enterprise (WBE) and Disadvantaged Business Enterprise (DBE). In addition we are an EDGE firm.

CCI is prequalified with ODOT in Complex Roadway and Noise Analysis Studies, and with FDOT in Minor Highway Design

CCI ENGINEERING SERVICES

Advanced Technology
Experienced Staff
Superior Project Delivery

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SUPERIOR PROJECT DELIVERY

CCI provides engineering design, technology and planning services, specializing in 3D design techniques, workflows and analysis.

CIVIL DESIGN

- Complex/Non Complex Roadway Design
- Noise Studies
- Bikepath Enhancements
- CPESC for SWPPP and Erosion Control
- Urban Linear Infrastructure - Storm, Sanitary, Water
- Parking Lots
- Maintenance of Traffic
- Signing and Striping
- Balanced Cut and Fill

TECHNOLOGY

- Building Information Modeling (BIM)
- BIM 4D Construction Sequencing
- BIM 5D Cost Estimating
- BIM 6D Asset Management
- Computer Aided Drafting and Design (CADD)
- Geographic Information Systems (GIS)
- High Definition Survey (HDS)
- Point Cloud Modeling (Post Processing)
- Energy Analysis
- Lighting Analysis

PLANNING & MANAGEMENT

- Sustainable Design and Master Planning
- Airport PFC Applications
- Financial Planning
- Real Estate Development
- Owner Authorized Representative (OAR)
- Project Management

CCI is pre-qualified with ODOT for Complex Roadway Design and Noise Analysis Studies, and FDOT for Minor Highway Design



AVIATION

REPRESENTATIVE AVIATION PROJECTS INCLUDE:

- PANYNJ Parking & Rental Car System Pavement Assessment - Data Collection & Reporting
- GOAA- APM/ITF/PDL - BIM Model of Fire Protection
- CRAA - Runway 10R-28L – Construction Management & Scheduling, Document Control, As-Builts
- GOAA - BIM design assist for Baggage Handling System upgrades
- TRB/ACRP - BIM Beyond Design Study
- Cleveland-Hopkins International Airport - Parking Redevelopment Program
- International Exposition Center, Cleveland, OH - Laser Scan & Drone Services
- Port of Seattle - BIM Processes and Standards
- Greenville-Spartanburg International Airport Terminal Renovation – Building Information Modeling

SERVICES

CAPITAL PLANNING & PROJECT MANAGEMENT SERVICES

- Capital Project Planning and Budgeting
- Owner's Authorized Representative (OAR)
- Project and Program Management
- Scope Development
- Contract Negotiations
- Invoice Review
- Design and Construction Plan Reviews
- Commissioning/Retro-Commissioning Support
- PFC Application and Close Out

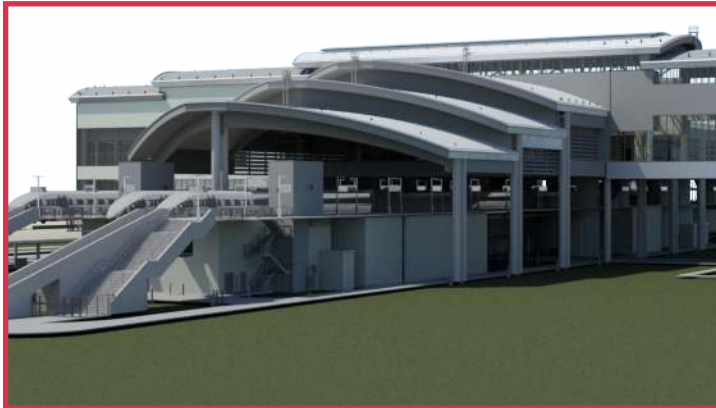
MASTER PLAN SERVICES

- Strategic Plan Development
- Master Plan Development
- Sustainability Master Plan Development
- GIS Master Plan Development

OUR AVIATION TEAM

- Angela Newland, PE - Senior Project Management
- Peter Miller, AICP, PP - Planning Director
- Austin Ellerman - Project Manager

BIM - Facility Coordination Model



SURFACE TRANSPORTATION

REPRESENTATIVE SURFACE TRANSPORTATION PROJECTS INCLUDE:

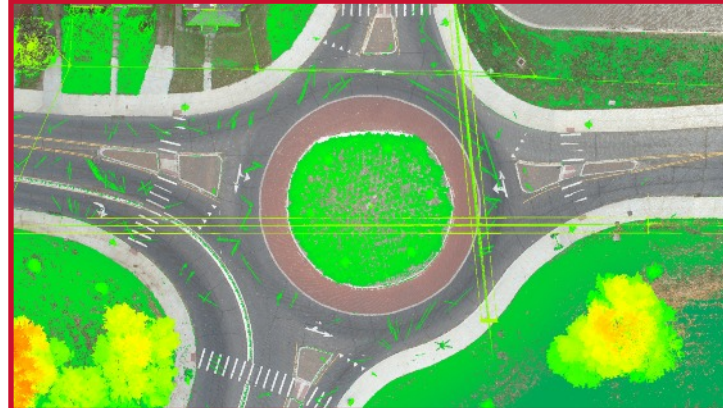
- ODOT Portsmouth Bypass – SWPPP Plans
- ODOT FRA-270-17.28 Far East Freeway /Scarborough Blvd Design - Roadway, Drainage, Sidewalk & Utility Coordination
- Canal Fulton Cherry Street & Locust Street Intersection - Geometrics, Roadway Plans, Drainage, Noise Study, MOT
- City Of Columbus Smart Cities Program - CADD & GIS Support for Columbus Traffic Signaling Systems B-E
- PANYNJ Bus Terminal Truss Structure Remodeling - High Definition Survey of Truss Boxes
- ODOT MAD-SR 323 Bridge Replacement – Alternative Engineering Report, Roadway and Bridge Design
- Cleveland Hopkins International Airport - Parking Lots D/Q Design
- ODOT CUY-90-14.90 Cleveland Innerbelt Project – Roadway, Bridge, Intersection Design; Plan & Profile
- FDOT SR 85 and 123 Flyover, Construction Scheduling
- City of Columbus Traffic Signal System – Plans for over 1100 intersections; Locate Utilities
- ODOT OC3 Phase 3 - Water distribution, supply, and sanitary force main design

SERVICES

SURFACE TRANSPORTATION SERVICES

- Roadway Design / Bridge Design
- Maintenance of Traffic
- Pavement Marking
- Drainage, Grading; SWPPP Plans
- Site Plans / Parking Lots / Obstruction Studies
- Utilities
- Master Plans / Airport Layout Plans
- Parking Garages / Surface Lots
- Safety Plans
- Noise Studies
- Right of Way Plans
- Title Research
- High Definition Survey and Modeling
- Grade Control Modeling
- Bicycle Facilities & Enhancements

Combination Point Cloud: Drone Flyover & Laser Scan



UTILITIES

REPRESENTATIVE WATER/WASTEWATER PROJECTS INCLUDE:

- City of Columbus Jackson Pike WWTP Biosolids - High Definition Survey
- City of Columbus Southerly WWTP Chemically Enhanced Parallel Treatment - High Definition Survey, BIM and CADD Services
- NEORS Easternly Chemically Enhanced High Rate Treatment - BIM services for electrical and process mechanical design
- City of Columbus Southerly WWTP Electrical Upgrades; Instrumentation Integration
- City of Columbus Hap Cremean WTP – Membrane Filtration Pilot Studies; Construction As Builts
- NEORS Tunnel Dewatering Pump Station – CADD 3D and MEP to create 3D models used for 2D Plans; Building Information Modeling for Civil, Mechanical, Piping and HVAC design
- NEORS Southerly Optimized Parallel Treatment -BIM & CADD Services, Electrical, Process Mechanical & Structural design
- NEORS Westerly Storage Tunnel & Dewatering Pump Station - BIM & CADD Services, Electrical, Process Mechanical & Structural design
- Akron Headworks - BIM and CADD Services, BIM Coordination, Architectural/Structural, MEP design

SERVICES

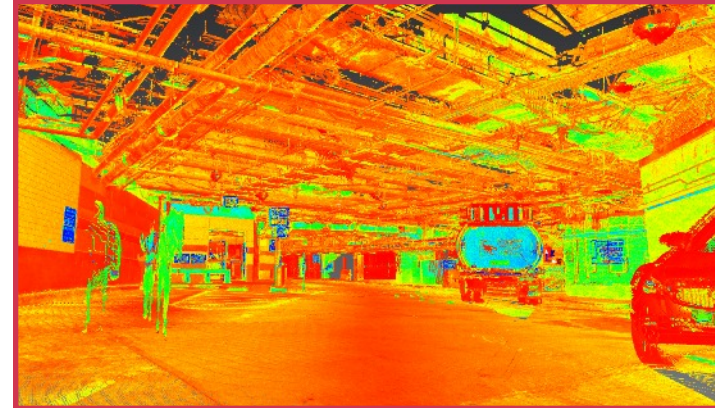
ELECTRICAL SERVICES

- Power Distribution Systems Design
- 5kV Substation Design
- Standby Power Design
- Power Quality Studies
- Grounding System Studies
- Equipment Evaluations

SUPPORT SERVICES

- Computer Aided Design & Drafting (CADD)
- Project Planning and Scheduling

High Definition Survey Point Cloud of Cleveland IX Center



FACILITIES

REPRESENTATIVE FACILITIES PROJECTS INCLUDE:

- 82d Airbourne New Headquarters/Ft. Bragg/Pope AFB - BIM design through construction/commission. Construction Sequencing
- Ford Lima Plant, Nano Engine Engine Retooling – 3D Modeling and BIM construction plan generation
- Nationwide Children's Hospital Central Energy Plant – Building Information Modeling
- Riverside Methodist Hospital, Neuroscience Building - Integrated Project Delivery and Building Information Modeling
- Jackson Pike WWTP Maintenance Building Renovation – Design and construction Administration; As Builts; Building Information Modeling
- Nationwide Data Center – Design the 3D model; utilize BIM to model electrical conduits and conflicts
- USACOE 7th Airborne Headquarters Design & Construction – As-Builts for 5 Barracks and HQs Building
- Hollywood Casino construction – Building Information Modeling Services
- Honda East Liberty Plant –CADD, High Definition Survey Services

SERVICES

VIRTUAL DESIGN AND CONSTRUCTION

- Building Information Modeling (BIM) – BIM Management
- BIM Coordination – Clash Detection Reporting, Coordination Drawings
- Construction Document Control – Primavera Contract Manager, SharePoint
- Unit Quantities Take-offs
- 4D BIM Integration
- Architectural Model Development – Revit, AutoCAD
- MEP Model Development
- Structural Model Development – Revit Structure
- High Definition Survey and Modeling
- Point Cloud Modeling
- Point Cloud Database Development

Drone Flyover of Cleveland IX Center

