



**InfraSolutions®**  
by McFARLAND JOHNSON

# VISUALIZATION

Innovative Solutions | Sustainable Results



**McFARLAND JOHNSON**

[WWW.MJINC.COM](http://WWW.MJINC.COM)

INTERIOR | 3D RENDERING | Key West International Airport, Key West, FL



# ABOUT US

## WHO MJ IS

### WHAT SETS US APART FROM THE COMPETITION?



**PROVEN INNOVATION:** Our company culture and emphasis on providing clients with innovative solutions and sustainable results has resulted in a number of award-winning projects and new technology.



**INDIVIDUAL ATTENTION:** We bring our nationally recognized expertise in commercial retail and restaurant projects to your individual project. As a 100% employee owned company, our employee-owners' priority is to provide you with the personalized service you deserve.



**COST SAVINGS:** We have extensive experience connecting with local, state and regional agencies to get a project done on time and under budget.



**RESPONSIVENESS:** Our staff provides planning and design to clients' with multiple sites and "roll out" programs with a comprehensive approach to successfully navigate their unique design, project management and delivery situations. We have the ability to provide a rapid response and deployment by our staff to assist clients' aggressive schedules.

### WHO WE ARE

We are a people-centric company guided by the belief that employee owners are more committed to delivering quality services. We achieve this quality by building a team of diverse and talented professionals who work collaboratively to develop innovative planning, design and construction solutions for our clients. From airports and transportation infrastructure, to facilities and site/civil engineering, MJ's trusted professionals offer a full range of services aimed at maximizing value for our clients while improving the safety, efficiency and resiliency of our communities.

McFarland Johnson's Healthcare Facilities Group provides a broad range of mechanical, electrical, plumbing, fire protection, structural, and site/civil engineering services.

Our extensive experience is derived from over 78 years of service to our architectural, industrial, governmental, and institutional partners. Our core value commitment to innovation, sustainability, and client service provides the foundation for the planning, design, and construction phase services that our Healthcare Facilities Group delivers.



"PEOPLE are at the heart of our core values here. This includes our employee owners and clients, as well as our communities. Guided by these core values, any time we make a decision, it means acting in the best interests of our people, our employee owners, our clients and our communities."

  
— Chad Nixon, President



# What Visualization Can Achieve

3D visualization creates detailed digital models, enabling stakeholders to experience your project before construction begins. It clarifies design intent, identifies potential challenges, and ensures alignment with project goals, ultimately accelerating decision-making and approvals.

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### Clear Communication

Easily understand the design through realistic visuals, without needing to interpret technical drawings.



### Informed Decision-Making

Clients can preview materials, lighting, and layouts, enabling confident decisions before construction starts.



### Cost and Time Savings

Spotting potential design issues early through visuals helps prevent expensive changes during construction.



### Marketing and Presentation Power

High-quality renderings can promote the project to investors, buyers, or the public before it's built.

## Visualization Benefits

3D visualization provides a realistic preview, transforming complex designs into clear and engaging visuals. It accelerates decision-making and serves as a powerful marketing tool to attract stakeholders and investors.



# InfraSolutions - Visualization Services 7

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## Airport Design and Development Visualizations

Realistic renderings of terminals, runways, control towers, and surrounding infrastructure support master planning and stakeholder engagement.

## Transportation Infrastructure Modeling

From roads and highways to bridges, we create dynamic 3D visuals that support planning, public outreach, and design validation.

## Environmental Impact Simulations

Visualize potential environmental changes with 3D models that demonstrate site impacts, mitigation strategies, landscape modifications, and culvert integration.

## Civil Engineering Site Layouts

We create detailed 3D representations of land development projects to support design and construction alignment.

## Facility Design Renderings

Showcase exterior and interior concepts of buildings, offices, hangars, and warehouses in stunning detail.

## Contextual Urban & Landscape Modeling

Engaging visuals for public outreach that integrate new developments into their surroundings, building trust and supporting cohesive planning.

## Drone Data Integration

We enhance visualizations with real-world drone imagery and topographic data to boost accuracy and realism.

## Virtual Reality Walkthroughs

Step into the future with immersive VR experiences, expertly tailored for impactful client presentations and informed design decision-making.

## Beyond the Blueprint

In addition to the listed services, we provide customized visualization solutions designed to align with complex project requirements. Contact us to explore the full range of visualization possibilities.

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# Project Workflow 7

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## 3D Visualization Workflow

As your creative partner, we guide you through every stage of the 3D visualization process, bringing your vision to life with clarity and impact.

**Project:** Key West International Airport, Key West, FL



# AVIATION

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AERIAL | 3D RENDERING | Key West International Airport, Key West, FL



# Exteriors

## 3D Exterior Visualization

Experience breathtaking 3D exterior visualizations that transform architectural concepts into immersive realities.

**Project:** Key West International Airport, Key West, FL

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# Roadway & Landside Improvements

## 3D Exterior Visualization

View and visually communicate landside infrastructure changes, creating a finished look for proposed improvements within the broader campus.

**Project:** Wilmington Airport, New Castle, DE

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# Master Plan Aerial & Eye-Level

## 3D Master Plan Visualization

Clearly present current and future airport developments in one unified image, helping stakeholders quickly understand the airport's long-term vision and layout.

**Project:** Greenville-Spartanburg International Airport, Greer, SC

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# Daylight & Evening Render Studies

## 3D Lighting Variation Visualization

Capture true ambiance, lighting, and mood through seamless day-to-night transitions that enhance storytelling and strengthen client engagement.

**Project:** Saratoga County Airport, Ballston Spa, NY





# Interiors

## 3D Interior Visualization

Transform design concepts into immersive, lifelike spaces with high-quality 3D interior visualizations.

**Project:** Key West International Airport, Key West, FL









# TRANSPORTATION

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PHOTO INTEGRATION | 3D RENDERING | Main Street At Maple Roundabout, Oneonta, NY



# Photo Integration

## 3D Aerial Photographic Integration

Seamless photo-matching renders ensure your designs integrate flawlessly into real-world environments.

**Project:** Main Street at Maple Street Roundabout, Oneonta, NY

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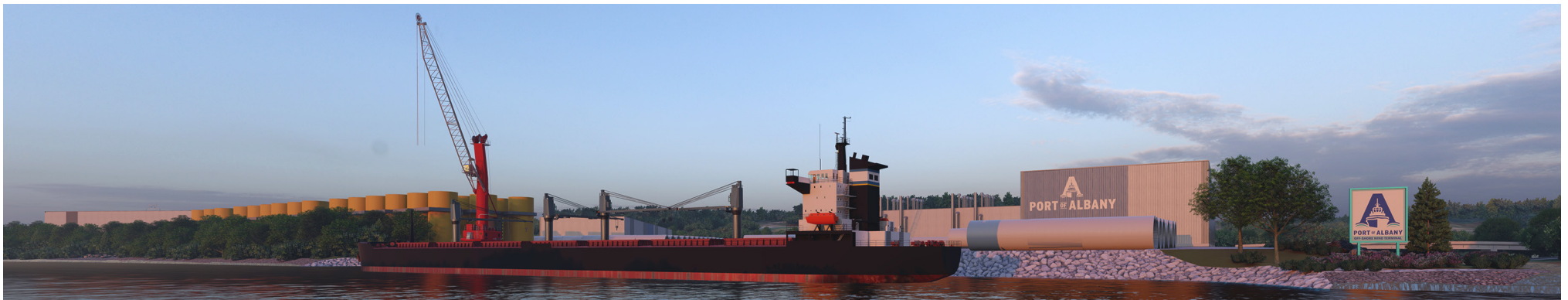


# Aerial & Site Plans

## 3D Contextual Aerial & Site Plan Rendering

Aerial and site plan renderings provide a clear, high-level perspective that effectively communicates design intent and spatial context.

**Project:** Port of Albany, NY





# Contextual Semi Aerial & Site Plans

## 3D Contextual Site Plan Rendering

Deliver a clear, high-impact overview of how a project fits within its environment and overall layout.

**Project:** Highbridge Route 30, Schoharie, NY

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# CIVIL & FACILITIES

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PHOTO COMPOSITION | 3D RENDERING | Starbuck Island, Troy, NY



# PHOTO COMPOSITION

## 3D Photo Composition Semi-Aerial Rendering

Contextual semi-aerial renderings offer a compelling bird's-eye view that showcases projects in harmony with their real-world surroundings

**Project:** Starbuck Island, Troy, NY

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# ENVIRONMENTAL

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ENVIRONMENTAL | 3D RENDERING | Sharkeyville Brook Wildlife Crossing, Waterbury, VT



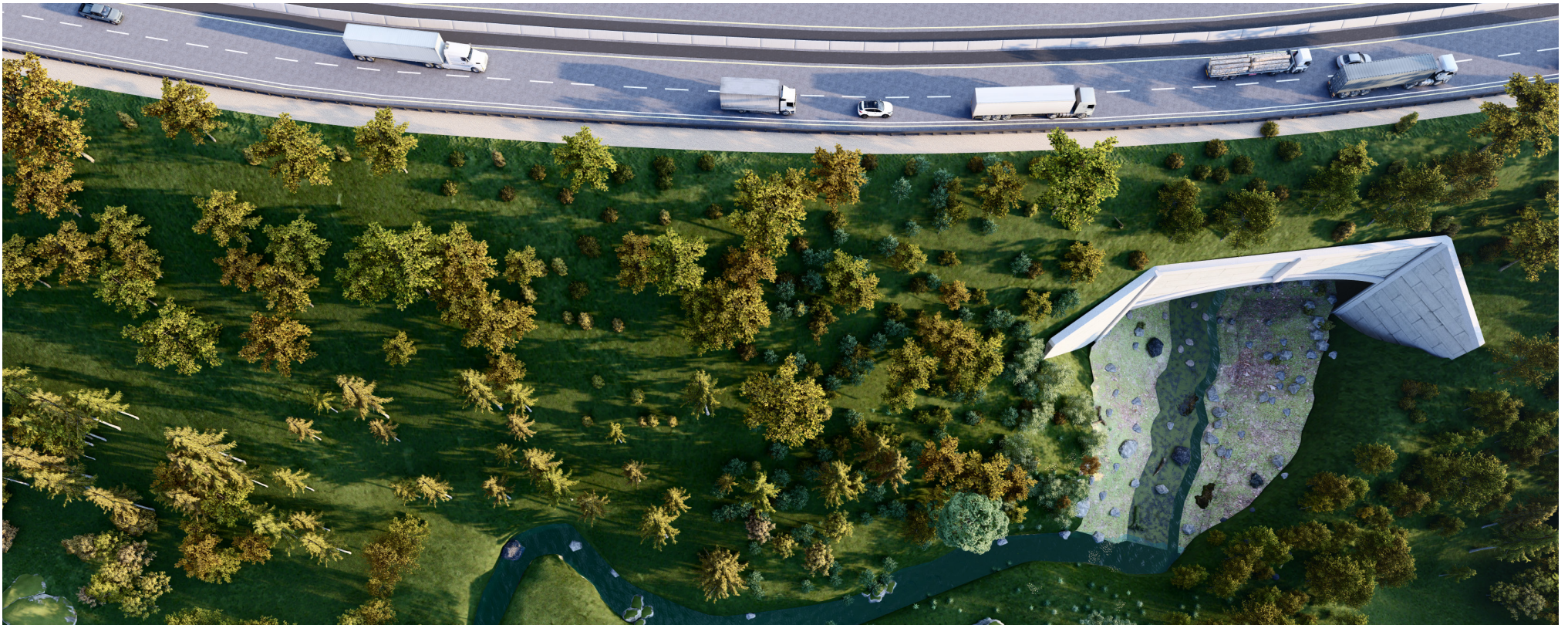
# Environmental Culvert Integration

**3D Rendering | Sharkeyville Brook Wildlife Crossing  
Reconnecting Wildlife in The Green Mountains  
on Interstate 89.**

Clearly visualize how proposed improvements interact with their surroundings, aiding informed decision-making.

**Project:** Sharkeyville Brook Wildlife Crossing, Waterbury, VT

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# Wildlife Mitigation Design

## 3D Wildlife Mitigation Rendering

Accurate, compelling visuals make wildlife mitigation designs easy to understand, support, and approve.

**Project:** West Haven-Benson, VT





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Start your project with us today.  
To learn more, contact our team.

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“VISUALIZING THE FUTURE”



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