



DANE COUNTY

Public Works Engineering

DIRECTOR TODD DRAPER

We are Dane County's builders, stewards & problem-solvers.

Public Works Engineering leads capital projects on behalf of other County departments from concept to construction, infusing every effort with **sustainability, equity, and cost-efficiency.**

Each project serves a greater purpose: improving safety, usability, and the long-term integrity of County assets.



Our small but mighty team...

...currently manages 30+ active capital projects across Dane County.

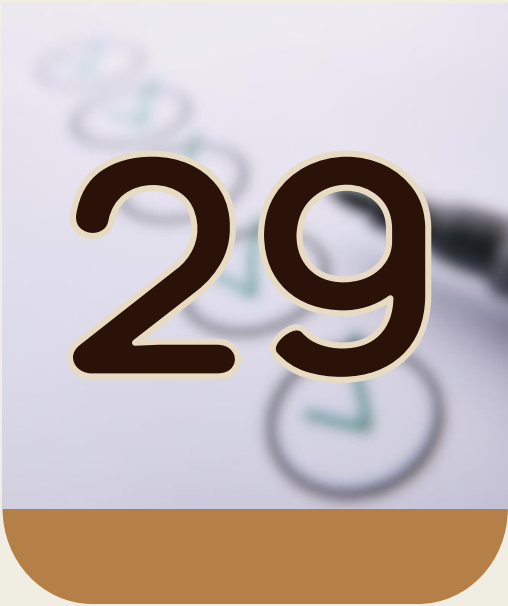
But the real workload runs deeper.

Many projects include multiple subcomponents such as design, construction, & commissioning - *each with its own contracts, vendors, & timelines!*

From HVAC components to kayak launches, we make sure every County project not only gets done, but gets done right.



2025 BY THE NUMBERS



29

PROJECTS
COMPLETED



2

PROJECTS
NEARING
COMPLETION



33

ONGOING &
ACTIVE
PROJECTS



60
+/-

TOTAL AVG.
PROJECTS
MANAGED



14

DEPARTMENTS
SERVED



16

AVERAGE
PROJECT
DURATION
(IN MONTHS)

..... ALL MANAGED BY:



4

PROJECT MANAGERS



2

LTE
PROJECT MANAGERS



1

DIRECTOR



1

CLERK IV



Active & Ongoing Projects

Alliant Energy Center

- Campus Wide Arc Flash Study
- Coliseum Cooling System
- Coliseum Roof Anchors
- Ex Hall Expansion
- Ex Hall Forum Roof Replacement
- Ex Hall HVAC Controls Upgrades

Consolidated Food Services

- Photovoltaic Panel Connection

Northport Office

- Powerhouse Deconstruction
- Elevator Modernization

Airport

- Air Freight Building Roof Replacement

Henry Vilas Zoo

- Giraffe Exhibit Commissioning
- Heart of the Zoo- Edge of Africa Design
- Seal Shade Structure

City-County Building

- Air Handling Unit #7 Replacement
- Facilities Emergency Power Upgrades (Generator)

County Clerk

- Elections Center Renovation

Parks

- Badger Prairie Playground
- Mendota County Park Redevelopment
- Token Creek Park Garage

Public Safety

- Jail Consolidation

Land & Water

- Glacial Drumlin-Cap City Trail
- Great Sauk Trail-Walking Iron Trail & Bridges
- Prairie Restorations of Door Creek Wildlife Area & Walking Iron County Park
- Sugar River Wildlife Area Wetland Restoration

Office of Climate & Energy

- Electric Vehicle Charging Infrastructure

East District Campus

- Public Safety Communications (911) New Facility Construction
- Medical Examiner-Highway Plumbing Connection

Parking Ramp

- Phase 2 Ramp Restoration

Job Center

- HVAC Rooftop Unit Replacement

Highway

- Albion & Verona Snowplow Garage Bathroom Buildouts

Courthouse

- Cooling System Equipment Upgrades
- District Attorney's Office Remodel/ Expansion

2025's Pending & Completed Projects

Highway

- Albion Perimeter Fencing
- *Fish Hatchery Garage –Main Roof Replacement*
- Albion Tow Plow Garage
- Fish Hatch Fueling Island Replacement
- Robertson Road Envelope Upgrades
- Stoughton Garage Demolition
- Verona Tow Plow Garage

Land & Water

- Babcock Boat Launch Redesign
- Black Earth Creek Stream Restoration
- Door Creek Restoration
- Yahara River Sediment Removal
- Walking Iron Wildlife Area Wetland Restoration

Airport

- Parking Ramp Repairs

Consolidated Food Services

- Carbon Neutrality Study

City-County Building

- West Side Jail Shower Resurfacing
- Window Replacement
- Elevator #7 Modernization
- Lighting & HVAC Controls Upgrades

Parks

- Langer Park Snowmobile Bridge
- Rein Farm Snowmobile Bridge
- Skaalen Farms Snowmobile Bridge
- Token Creek Park Repaving

Human Services

- Roth St Home Fire Escape Install

Emergency Management

- Facility Remodel & Commissioning

Courthouse

- Reheat Valve Replacement
- *Roof Replacement*

Parking Ramp

- Prevention Screening

Henry Vilas Zoo

- Arctic Fox Exhibit Design
- Capybara Indoor Hut Design

Alliant Energy Center

- Adult Changing Stations Study
- Ex Hall Chiller Replacement



Snowmobile Bridges

What We Built: 3 steel bridges (Langer Park, Rein Farm, Skaalen Farms)

Why It Matters: Safer crossings + stronger trail connectivity

Public Impact: Boosts winter recreation & local tourism

Engineering Fun Fact: The bridges were pre-fabricated off-site and installed in place with minimal environmental impact to the creek & surrounding land!

Did You Know.... Dane County is home to 500+ miles of snowmobile trails?



Emergency Management Building Remodel

What We Built: Transformed a former fire station into a modern Emergency Management hub

Why It Matters: Strengthens disaster preparedness & public safety coordination

Sustainability: LED lighting, insulation upgrades, and electrified reheat conversion reduce energy use and support Dane County's carbon-neutral goals

Structural Fun Fact: Engineers used ground-penetrating radar (like an X-Ray for buildings!) to map rebar & hollow core planks safely



City County Building Window Replacement



What We Achieved: Replaced outdated windows to improve energy efficiency, safety, and comfort in a high-traffic government facility

Public Benefit: Better climate control for visitors & employees, reduced energy costs, and a smaller carbon footprint

Hidden Challenges: Required careful scheduling to avoid disrupting public services and revealed hazards like lead paint & asbestos, which needed specialized handling and permitting





Yahara River Flow Enhancement & Flood Mitigation

What We Achieved: Removed sediment to reduce flooding risk, improve water flow, and support healthier ecosystems

Sustainability: Natural sediment removal & slope stabilization enhanced river function and erosion control with minimal wildlife disruption

Ecosystem Fun Fact: Healthier flow supports native fish, improves water quality, expands recreation like paddling & fishing, and *also reduces phosphorus loads* that fuel algae growth!



LOOKING AHEAD TO 2026

Fewer new capital starts are expected in 2026, so we're focusing on efficiency, impact, and value in every project. *Here's what's on our radar for 2026:*

Updating our website

to make public info easier to find and understand

Streamlining internal systems

to help our lean team work smarter

Improving how we share **updates**, documents, and tasks with other departments

Auditing our projects early to prevent costly issues

Always aiming for more transparency, quicker turnarounds, and **fewer headaches**

We don't just manage projects.

We
engineer
success.



Public Works Engineering