

# **ACEC Minnesota Engineering Excellence Awards:** **Project Categories**

See below for examples in each category for projects entered in the ACEC/MN EEA competition:

## **Structural Systems:**

Foundations, Tunnels, Buildings, Seismic design, Towers, Bridges, Stadiums

## **Transportation:**

Highways, Rail, Airports, Marine/ports, Public transit, Intermodal facilities

## **Building/Technology Systems:**

Mechanical/electrical/plumbing, Computer/technology, Communications, Acoustics, Software systems, Sustainability or carbon neutrality, Efficiency certification standards, e.g. LEED®, Energy efficiency – new and retrofit, Secure facilities (military/research/correctional)

## **Waste and Storm Water:**

Wastewater collection/treatment and disposal, Residuals management and reuse, Graywater systems, CSOs, Mine tailings, Agricultural, Storm water management, Erosion control

## **Water Resources:**

Hydraulics, Hydrology, Surface and groundwater supply development, Treatment, Transmission, distribution & storage, Watershed management, Water use reduction, Flood risk management, Climate adaptation, Coastal and eco-system restoration, Locks/dams/water control structures , Irrigation

## **Energy:**

Transmission and distribution, Power generation, Renewable energy, Cogeneration, Energy storage technologies, Energy usage reduction programs, Demand side management

## **Environmental:**

Hazardous waste, Solid waste, Restoration/reclamation/remediation, Air quality, Noise, Recycling, Waste pond management, Carbon sequestration and trading, Mitigation

## **Industrial and Manufacturing:**

Petrochemical, Biotech, Manufacturing, Heavy industry, Industrial waste, Materials handling, Mining, metallurgy, mineralogy

## **Special Projects:**

Safety and security, Corrosion protection/cathodic protection, Program and construction management, Land development, Trenchless technologies/directional boring, Recreational facilities, Subsurface engineering

## **Surveying and Mapping Technology:**

Geometrics, ALTA, land title and rights surveys, Control, GPS, monitoring or construction surveying, Survey mapping, GIS/LIS, photogrammetry

## **Studies, Research and Consulting Engineering Services:**

Non-design services, projects not involving the preparation of construction documents consisting of but not limited to the following types of projects: New products, materials and technologies, Expert testimony, Basic research and studies, Computer/software technology, Technical papers, Public outreach/involvement, Water conservation, Security plans, Project feasibility studies/economic/risk, Value engineering