Focusing on research, innovation and workforce development, the Center for Infrastructure Renewal (CIR) will be the national leader in the development of transformative infrastructure solutions. Its labs will innovate new materials, technologies and processes to create solutions that last longer, have lower costs and can be built in less time.

New solutions are needed to replace today’s aging infrastructure that is in need of repair or has outlived its intended capacities. In 2015, the Texas Legislature recognized the need for new solutions and appropriated funds to create the CIR as a joint center between the Texas A&M Engineering Experiment Station (TEES) and the Texas A&M Transportation Institute (TTI).

The CIR will be located in an integrated research, innovation and education environment at the new RELLIS Campus, located in Bryan/College Station, Texas, bringing knowledge from multiple TEES and TTI divisions and centers into the infrastructure domain to greatly accelerate deployment of new technologies and concepts.

**Contact**

Director:  
Dr. Zachary Grasley  
(979) 845-9965  
zgrasley@tamu.edu

cir.tamu.edu

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**Research**

CIR research will be focused on nine critical infrastructure sectors: chemical; communications; critical manufacturing; smart energy; information technology; nuclear reactors, materials and waste; transportation systems; and water and wastewater systems.

Research will be further stimulated through a few large multidisciplinary initiatives aligned along key national themes (which will be evaluated and updated as needed):

- Resiliency and Security
- Smart Systems and Technologies
- Advanced Manufacturing
- Innovative Financing and Funding
- Materials
The 13 labs, centers and facilities currently slated for inclusion in the CIR are:

- Intelligent Infrastructure Assessment Lab
- Advanced Infrastructure Materials Lab
- Concrete Innovation Lab
- Asphalt Innovation Lab
- Soil Testing Lab
- Advanced Infrastructure Manufacturing & Materials Lab
- Connected Infrastructure Lab
- Smart Grids Control Center
- Center for Virtual Reality
- National Corrosion and Materials Reliability Center
- Center for Railway Research
- The Structural and Materials Testing Lab
- Materials Handling and Storage Facilities