Click here to enter Program or Project Title
Progress Report – Click here to enter a date.

Title: Assessment and Repair of Prestressed Bridge Girders Subjected to Over-height Truck Impacts Pooled Fund Project

Project Number: TR202011

Principal Investigator (PI): Mohamed ElGawady PhD (PI)
Co-PI(s): William Schonberg PhD, PE (Co-PI)

Award date:	**1/1/2021**		
Scheduled completion date:	**12/31/2023**	**% of project completed to date:**	**96%**
Total budget:	**$**805,000	**% of budget expended to date:**	**97%**
Draft report due:	**1/31/2025**	**Final report due:**	**1/4/2025**

Provide a short description of the **work currently underway**.
Use additional notes section if you need to provide more information.

Task 5: Repair Evaluation
Repair of the girders continued and will be concluded in the first week of January.

Task 6: Develop design recommendations for assessment and repair of bridge girders subjected to over-height vehicle impacts
Based on the experimental work results and numerical models that were developed during Tasks 2 through 5, design recommendations were developed.

Identify any circumstances or **issues that may need to be addressed**. *Provide a summary of issues that are important for the TAC to know. For example, staffing difficulties or supply chain delays.*

Provide a short description of the **noteworthy activities/accomplishments** during this reporting period.
Use additional notes section if you need to provide more information.

Repair of a girder having 33% loss of the prestressing strands has been concluded.

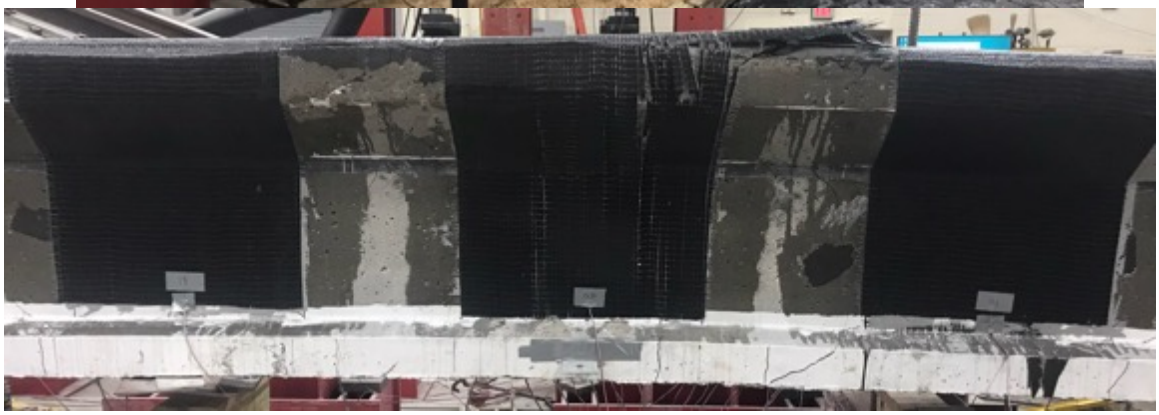

Fig. 1: Steps to repair and test a girder having 33% loss of strands with CFRP.

Fig. 2: Innovative approach to determine the residual stress in a strand.