

To: Prestressed/Precast Concrete Institute (PCI)

From: Beamline Structural

Date: December 10th, 2025

Subject: Transmittal of Project Proposal - PCI Big Beam Competition 2025–2026

Dear PCI,

Beamline Structural is pleased to transmit the Proposal for the 2025–2026 PCI Big Beam Competition. This document outlines the comprehensive project plan for the design, fabrication, testing, and reporting of a precast/prestressed concrete beam, in collaboration with TPAC and Northern Arizona University faculty. The attached proposal was prepared for PCI and approved by Northern Arizona University for submission as part of the CENE 476 Capstone Preparation course.

Materials Transmitted:

- *Proposal – PCI Big Beam Competition 2025–2026*
 - Project Understanding
 - Scope of Services and Research Plan
 - Project Schedule
 - Staff Qualifications and Staffing Plan
 - Cost Estimate for Engineering Services
 - Deliverables and Exclusions
 - Appendix A: Project Schedule Gantt Chart

The project will begin on **October 21, 2025**, and is scheduled for completion on **May 8, 2026**. Totalling **199 days**. The total cost of engineering services is **\$83,436**, which includes personnel costs, travel, laboratory supplies, and TPAC subcontracting for beam fabrication and delivery.

This letter formally documents the transmittal of the complete Proposal. Thank you for the opportunity to submit this work for the competition and for your continued support of student engagement in the precast/prestressed concrete industry. If any additional information or clarification is required, please reach out to the team's point of contact, Lander Porter, at lap433@nau.edu.

Sincerely,

The Beamline Structural Team: Lander Porter, Kaylynn Calvin, Jonah Simminger, David Lucas Macaraeg