

Grant Round Application for LRC LXXVI (76)-A

TECHNICAL ADVISOR’S SUMMARY and RECOMMENDATION

LRC-LXXVI (76) – A

“Investigating the Use of Fly Ash and Nanomaterials for Sustainable Concrete Infrastructure”

Submitted by: University of North Dakota Department of Civil Engineering.

Request for: \$14,559; Total Project Costs: \$60,642;

Principal Investigator: Daba S. Gedafa, Ph.D., P.E

Description of the Project:

The main objective of this project is to test the hypothesis that ordinary Portland cement can be fully replaced by fly ash and nanomaterials in concrete since nanomaterials can accelerate the rate of hydration reaction of fly ash in concrete and improve its desirable properties.

Technical Advisor’s Recommendation: Fund

Fund subject to the following:

- Matching Funding received.

Conflict of Interest:

GRE