Please paste the project details similar to below and prepare the responses before our meeting tomorrow. Dr will review and then we can post it back on the LIFE website
(https://iucrclife.chass.ncsu.edu/lifeforms/PIfeedback.php?id=24514&num=0&i=7)
Password CICI 2020 => Faculty

Project Update

Project Name: (01) Application of Geofoam in Thermal Encapsulation of Foundations
Project PI: Surya Congress (TAMU)

Progress Ratings

Great progress - 3
On course - 4
Needs change - 0
Off course - 0
Abstain - 0
Additional Comments - 0

Great progress

- An interesting application that, if effective, will benefit LEED ratings of buildings.

  Response: Yes, we believe that this project will benefit the communities and environment by providing some points for this novel foundation system, which will enhance LEED Rating of a structure. Thank you.

On course

- Interesting study. Study not applicable to transportation infrastructure.

  Response: PI also agrees with the comment that this is not applicable to transportation infrastructure hence is only being tested for building foundations. Thank you for the comment.

Project Update

Project Name: (02) Utilization of Geocells in Pavement Infrastructure
Project PI: Anand Puppala & Ashraf Khan (TAMU)

Progress Ratings

Great progress - 4
On course - 4
Needs change - 0
Off course - 0
Abstain - 0
Additional Comments - 0

PI Summary Response

Great progress

- Have you also evaluated fiber (carbon or glass) grids for strengthening of asphalt layers?
  Response: Thank you very much for your question. We did not evaluate fiber grids for strengthening of asphalt layers. The focus of this study was to study polymeric (Polypropylene) grid with recycled asphalt pavement material. Future geosynthetics may use carbon and glass fibers...hope that will come soon.
- Very interesting results on the first trial sections. I look forward to the final report after the two year time period.
  The future trial on the geocell and geocomposite will give great information to assist in the design with geosynthetic products.
  Response: We really appreciate your encouragement. The final report will provide guidelines for the design and construction of geocell-reinforced flexible pavements.

  We are expecting to start our large-scale testing with geocell and geocomposite in August, 2020. The outcome of this study will provide guidelines for the design of different foundation systems (roads, railways and foundation pads for cranes).

Project Update

Project Name: (03) Performance of Pavement Sections with H2Ri Geosynthetics
Project PI: Anand Puppala & Nripojyoti Biswas (TAMU)

Progress Ratings
Great progress - 3
On course - 3
Needs change - 0
Off course - 0
Abstain - 0
Additional Comments - 0

PI Summary Response

On course

- The study provides interesting results for pavements on expansive soils. The application of the geosynthetic fabric in the pavement has clearly improved the performance of the pavement by draining moisture from the base. Good potential for adoption of the research recommendations by state DOTs.

Response: Thank you for the comments. We agree with you that this research has a good potential for adoption of the research recommendations by DOTs. Thank you.

Project Update

Project Name:(04) Mitigating Sulfate Heaving Using Novel Soil Stabilizers

Project PI: Sayantan Chakraborty (TAMU)

Progress Ratings

Great progress - 2
On course - 4
Needs change - 0
Off course - 0
Abstain - 1

Summary of Responses to IAB Comments

Great progress

- Very interesting results and I look forward to the additional studies.

Response: Thank you for the comment.

On course

- This is a supplemental study to mitigate heaving using stabilizers. The results have the potential to be utilized in practice.

Response: Thank you for the comment.