

Improving Asphalt Binder Properties for Cold Regions Using Plastic Modifiers

Advisors: Dr. Yusuf Mehta and Dr. Sk Faisal Kabir

Goal: Evaluate the use of post consumer recycled plastic in asphalt binder for rheological improvement.

(3 CEE or CHE Clinic Students)

Over the next semester, we will research asphalt topics:

- Recycled waste polymeric materials for construction
- Compatibilizer for plastic modified asphalt binder
- Preparing and characterizing plastic modified asphalt binder
- Cost impacts of different plastic recycling.

