Composting Feasibility Study by Foth

* Using data provided by Kevin Wolz
* Consider two site options
  + Grounds composting and Topsoil Storage Site, on Lincoln Avenue
  + Master Plan Composting Site, on Race Street by Beef and Sheep
* Not including IEPA permit requirements because this site should qualify as an On-Farm Landscape Waste Compost Facility under 35 Illinois Admin Code 830.106.
* Unknown construction budget at this time
* Scheduled to kick-off September 15, 2011
* Scope:
  + Program Development
    - Data collection and analysis – including review of other university composting facilities
    - Review surface drainage runoff around the proposed sites
    - Develop annual volumes and density info from UI waste stream
    - Estimate windrow and storage pad areas
    - Estimate the physical area of the initial waste stream and expansion limitations
    - Investigate a perimeter drainage system to collect runoff in an earthen holding lagoon
    - Determine ingress/egress and circulation for the site
  + Design Development
    - Validate
      * material flow analysis and prepare a resultant diagram
      * windrow cross sections
      * aisle width
      * windrow lengths
      * end aisle widths
      * center aisle, number and widths
      * storage area maneuvering circulation and loading areas
    - prepare schematic drawing
      * include an allowance for a possible maintenance shed
      * include any necessary lighting
      * consider a possible lagoon pumping system
  + Schematic Cost Estimate