Design Criteria

**LID Equation**

\[ LID = \frac{ACP}{K_s - r_i} \]

**Soil Characteristics**
- Type A or B soils and Saturated Hydraulic Conductivity > 4 in/hr
  - First 20 ft of ACP = 10 ft of Dispersion
  - Each additional 1 ft = 0.25 ft of Dispersion
- Type C or D soils and Saturated Hydraulic Conductivity < 4 in/hr
  - Every 1 ft ACP = 0.5 ft of Dispersion
  - Minimum Width = 100 ft

Maximize Dispersion

**Limited Area**

- Type A or B soils and Saturated Hydraulic Conductivity > 4 in/hr
- First 20 ft of ACP = 10 ft of Dispersion
- Each additional 1 ft = 0.25 ft of Dispersion
- Minimum Width = 100 ft

Lessons Learned

**Edge of Pavement Conditions**

- Tapered/roughed EOP
- Rumble Strips

**Level Spreaders**
- Required to prevent concentrated flows (erosion).

- Pavement
- Gravel Level Spreader

- Vegetation

Highway features that may function as a level spreader: