## **Roadside Maintenance Practices Influence Plant Migration along Freeways** Kristin J. Gade, Urban Ecology IGERT and School of Life Sciences, Arizona State University

## **Plant Migration and Urban Areas**

- Transportation corridors connect urban and undeveloped areas, providing relatively homogeneous conditions with elevated nitrate availability through the developed area
- Most seeds trapped at developed sites were adapted for wind dispersal
- Seed bank contents are similar while plant species composition varies significantly between landscaped and non-landscaped sites
- Maintenance practices in the Phoenix area favor disturbance-tolerant plants with small seeds
- Successful plants include both native and non-native species with similar characteristics



























