

Streams, Wetlands and MoDOT



Wetlands



- Process**
- Field check project
 - Delineation
 - Reports
 - Permits
 - Mitigation
 - Monitoring

**Avoid,
Minimize
and Mitigate**



- Rock placement
- Bridge and Culvert construction and maintenance



- Clearing of debris/trash
- Channel movement

3 Types of Streams:

Ephemeral, Intermittent, Perennial

Mitigation and Monitoring

Value of Wetlands

- Floodwater retention
- Groundwater recharge areas
 - Habitat
- Maintain water quality
 - Erosion protection
 - Sediment trap
- Provide for education, research and recreation



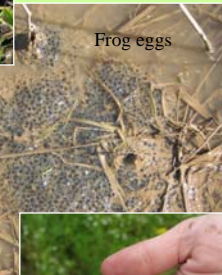
Temporal Loss



Fulvous whistling ducks



Zebra swallowtail



Frog eggs



Southern Painted turtle



Western Cottonmouth



Marbled salamander