

- Upon removal of apron, if culvert is undermined, voids must be backfilled with flowable fill
- Protect outlet end of apron with type III rip rap, width of apron and 10' long from apron edge
- Dress out disturbed areas upon completion
- Permanent grassing

West Lake Drive Box Culvert over Red Oak Branch

- Traffic Control
- Dig out west side of ditch on outlet end to match apron width
- Armor ditch slope where material was removed with type III rip rap
- Place type III rip rap in front of outlet end, width of apron and 10' long from apron edge
- Core drill apron, backfill undermining with flowable fill
- Seal type III rip rap in front of apron with flowable fill
- Grout core holes with non-shrink grout
- Bed area under toe wall with 12" # 57 Stone
- Pour 8"x 30" toe wall on inlet end of apron, must be epoxied into apron with #4 rebar @24" O.C.
- See GDOT Std. 2406 for toe wall reinforcing
- Protect inlet end of apron with type III rip rap, width of apron and 10' long from apron edge
- Dress out disturbed areas upon completion

Spring Creek Boulevard

- Traffic Control
- Remove and replace aprons and toe walls on inlet and outlet, new aprons must be epoxied into culvert floor and wing wall footings with #4 rebar @24" O.C.