

Draft List of Improvement Projects

Riparian Corridor Projects

General Projects

1. Stream Cleanup
2. Mechanized Trash Removal
3. Stream Adoption
4. Continued Public Outreach
5. Weed Management
6. Revegetation (general)
7. Bioengineered Slope Stabilization
 - a. Slope flattening or terracing
 - b. Vegetated mechanically stabilized earth (soil lifts)
 - c. Vegetated rock revetment using live stakes, pole plantings, and/or brush layering
 - d. Tiered vegetated cellular grids
 - e. Live cribwalls
 - f. Soil-filled vegetated gabion baskets

Local-Scale Projects

8. Storm drain outlet design/retrofit
 - a. Vegetated rock outlet/headwall protection
 - b. Vegetated rock-lined swale
9. Storm runoff management
10. Stream crossing design/culvert replacement
 - a. Full-span bridge (railroad flatcar, pre-fabricated pedestrian bridge)
 - b. Box, arch, or large-diameter culvert with natural substrate bottom
11. Culvert outlet protection
 - a. Rock-lined tailwater pool
 - b. Step Pools
12. Stream daylighting
13. Improvements at in-channel structures (gage weirs, diversions, etc.)
14. Removal of obsolete in-channel structures
15. Standardized “no trespassing” signs at public/private land interfaces

Reach-Scale Projects

16. Grade control
 - a. Vortex rock weirs
 - b. Newbury rock riffle
17. Bank stabilization
 - a. Toe protection (rock, A-jacks®, coir fiber roll) combined with bioengineered slope stabilization
 - b. Re-directive techniques (Rock vanes with J-hooks)
 - c. Buried longitudinal stone toe protection

- d. Floodplain re-establishment
- 18. Access control/trail stabilization
 - a. Split rail fence
 - b. Access steps

Watershed-Scale Projects

- 19. Manage and reduce impervious surfaces
 - a. Encourage low impact development practices
 - b. Promote/require use of infiltration, runoff dis-connection, and biofiltration practices
 - c. Increase inspections, enforcement, and post-project follow-up for construction BMPs and revegetation requirements
- 20. Explore opportunities to secure and manage water rights for instream flows
- 21. Implement a public awareness campaign

Internet Resources

State of Utah's Adopt A Waterbody Program

<http://www.adoptawaterbody.utah.gov/>

Salt Lake County Natural Areas Plan Standards and Operations Manual (weed management techniques)

<http://www.recreation.slco.org/planning/natural.html>

Utah State University Extension - Firewise plant information

<http://www.utahfireinfo.gov/prevention/firewiseplants.pdf>

Center for Watershed Protection (low impact development; stormwater management)

<http://www.cwp.org/>