



NOTES:

1. The coarse aggregate backfill shall meet the IDOT requirement for Gradation CA-1, CA-3 or Gradation 1 Riprap.
2. The Gabions shall be installed according to construction specification 64 WIRE MESH GABIONS.
3. Baskets which are stacked in tiers shall have vertical seams staggered for each row and tier.
4. The coarse aggregate backfill shall be placed level with the top of the lower basket before the upper basket is installed.
5. Geotextile (non-woven, needle punched) min. criteria:
 

|   |       |                                |
|---|-------|--------------------------------|
| Grab Tensile strength (lb) ASTM D 4632            | _____ | 202                            |
| Elongation at failure (%) ASTM D 4632             | _____ | ≥50                            |
| Trapezoidal tear strength (lb) ASTM D 4533        | _____ | 79                             |
| Puncture strength (lb) ASTM D 6241                | _____ | 433                            |
| Ultraviolet light (% retained strength) ASTM 4355 | _____ | min 50                         |
| Apparent opening size (AOS) ASTM D 4751           | _____ | max 0.22 mm (US sieve size 70) |
| Permittivity sec <sup>-1</sup> / ASTM D 4491      | _____ | min 0.70                       |
6. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

SECTION

|          |             |          |         |
|----------|-------------|----------|---------|
| Designed | M. QUINONES | Date     | 10/1/13 |
| Drawn    |             | Checked  |         |
|          |             | Approved |         |

**STRUCTURAL STREAMBANK STABILIZATION  
GABIONS 2 BASKETS HIGH W/O MAT**


 United States  
 Department of  
 Agriculture  
 Natural Resources  
 Conservation Service