



SECTION

NOTES:

1. The coarse aggregate backfill shall meet the IDOT requirement for Gradation CA-1, CA-3 or RR-1.
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. 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 ⁻¹ / ASTM D 4491	_____	min 0.70
5. Any geotextile splices shall overlap a minimum of 18 inches, with upstream or upslope geotextile overlapping the abutting downslope geotextile.

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

**STRUCTURAL STREAMBANK STABILIZATION
GABIONS 1 BASKET HIGH WITH SLOPE MAT**

United States
 Department of
 Agriculture
USDA
 Natural Resources
 Conservation Service