

# Project Spotlight

## AQUAROCKBAG® Carolina Crossroads I-126 Working Platform

### Customer:

Joint Venture between Archer Western (Walsh Group) and United Infrastructure Group for SC DOT



### Problem:

Archer/United was needing to construct a working platform along the banks of the Saluda River in Columbia, SC to allow them to place their heavy equipment needed for construction for a short time and to be able to be easily removed upon completion. The river had an uneven base due to some existing boulders and the USACE required all fill material for the working platform to be removed upon completion of the project. This was a perfect opportunity for AquaRockBags supplied by Geostar Technologies. The bags were able to be filled and staged for an extremely quick and easy installation considering the restrictive site access. Thanks to the attached lifting rings, the bags were easy to remove at the conclusion of the project. The various sizes of AquaRockBags allowed the different sized bags to be placed in-between the boulders on the base of the river as well as being able to place smaller bags in gaps to fill in the voids allowing a flat and strong base to be constructed for the working platform to be placed.





**Project:**

Interstate 126, Carolina Crossroads Working Platform (Columbia, SC, USA)

South Carolina DOT Project on the Saluda River permitted through USACE.

**Material:**

HDPE AquaRockBags Prime

154: 2-Ton Units

118: 4-Ton Units

153: 8-Ton Units

“I felt like the performance was as good as you could ask for” -John Adams (Walsh Group)



Would you recommend AquaRockBags for similar projects in the future?

Absolutely. On phase 3 CCR we will use them.

What other products did you look at using to solve this problem?

I was originally planning on using a demo or trash type bag and filling it with rock. Capacity and durability was a concern.





**Why did you end up deciding on AquaRockBags as your solution?**  
I found your product online and immediately thought this is the solution. Our permit was worded to say a contained rock that could be removed with minimal impact. The other concern was during high water release, the rocks washing away.

**Are there other applications in your field where you feel AquaRockBags could be a good fit?**

I think we could use smaller bag as rock checks in our drainage ditches. Use them for counter weight for temporary signs we set up around the job.



**What problem were you trying to solve by utilizing AquaRock Bags?**  
We were needing to build a removable causeway for our crane and drills. Our original permit was written to say a series of gabion baskets would be utilized. I didn't have confidence we could install wire type gabion baskets and remove them without them busting.







## Benefits

- Stackable
- Long-term durability
- Minimal labor required
- Low cost of installation
- Fast filling and installation
- Easier deep-water installation
- Easily fill on land and place bags

## Uses

- Artificial reefs
- Scour protection
- Shoreline protection
- Emergency protection
- Abutment applications
- Revetment applications
- Bioengineering solutions
- Temporary work solutions



# AquaRockBag Home Page