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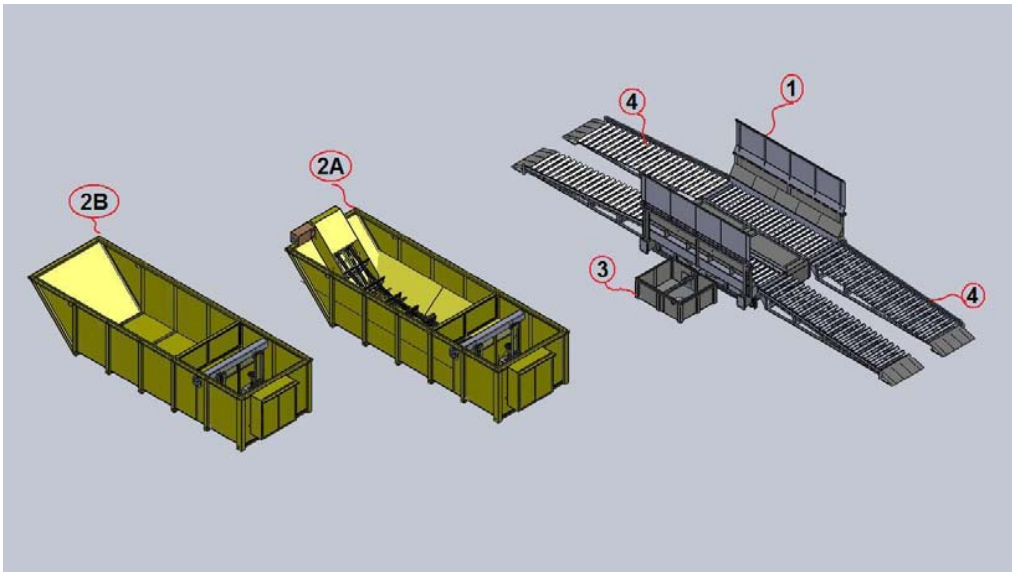
IES Innovative Equipment Solutions
174 Cornerstone Ct.
Suite B
Hot Springs, AR 71913
Office: (501) 525-8484
Fax: (501) 520-5206

IES offers Permanent Systems, Totally Portable Systems, and Removable systems that are designed to be removed after a job is complete. Below, please find a diagram that shows the system with 4 primary pieces and the three primary configuratons.

1. The wash platform
2. a. The water recycling and solid separation tank with an automated scraper conveyor
   b. The water recycling and solid separation tank WITHOUT an automated scraper conveyor
3. The water collection chamber.
4. A set of ramps



STANDARD CONFIGURATIONS

Option 1. Relocatable gravity flow system. You will need only two of the components: 1) the wash platform and either 2A or 2B, the water recycling and solid separation tank. Both pieces of the system require excavation so that they can be set inground, but can easily be removed and relocoated when the project is completed. The tank with the scraper conveyor (2A) will automatically evacuate the solids as the systems runs; the solids will need to be removed manually from the tank without the scraper conveyor (2B)

Wal*Mart Site in Cleveland, Georgia

Option 2. Totally portable system. This system will require all four of the component pieces. The small water collection chamber holds a wash water return pump and as the chamber collects the return wash water, this extra pump returns the waters and solids to the tank for recycling.

2 Tire Revolution System
24 foot wash platform

One Tire Revolution System
13 foot wash platform

Option 3: Inground Wash Elements with Above Ground Tank. This is a mix of the two above options and is ideal in many applicatons. The wash elements (1) and water collection chamber (3) are set in the ground and the operator will use gravel to transition the grade from the road to the top of the wash platform. The water recycling and solid separation tank itself (2A or 2B); however, is set adjacent to the system on level ground. This avoids the need for the ramps.

REMOVING THE SOLIDS FROM THE WATER RECYCLING TANK

In every configuration, the wash water is returned to the water recycling and solid seperation tank. As the water is deposited in the tank, we interject flocculent to decrease the settlement time. Once the solids have been seperated, they will need to be removed from the tank using one of three methods.

Gravity Flow System:	Backhoe Vacuum truck
Above Ground Tank:	Vacuum truck.
Above Ground Tank with Scraper Conveyor:	Automatic Removal of Solids