

## ASGCO®'s Primary and Secondary Belt Cleaning Systems Solve Multiple Issues at This Mid-West Redi-Mix Facility, While Paving the Way For an Additional Sister Plant.

<b>Industry:</b>	Midwest Based Redi-Mix Facility
<b>Application:</b>	Feed Belt Conveyors
<b>Product:</b>	ASGCO® Skalper® with E-Z Torque® Tensioning System and Razor-Back® C-Tip with Bolt-Up™ Tensioner
<b>Objective:</b>	Remove carry-back to eliminate housekeeping and clean-up requirements while improving employee safety to reduce injury risks and improve belt tracking issues.

### **Challenge:**

Installing the primary belt cleaner on the head pulley to remove the carry-back was relatively straightforward, with no major adjustments required. The installation of the secondary belt cleaner was a bit more challenging since it needed to be located further away than usual from the head pulley due to the conveyor's snub pulley. The conveyor had a double truss system which would require us to install the unit in a "pass thru" style. A small chute extension was also needed on conveyor #2 to capture the removed material from the secondary to eliminate the clean-up requirements that existed on the #1 system due to the snub pulley.

### **Recommendations/Solution:**

After a complete conveyor system survey at their sister plant, we met with their group to discuss our findings. They shared their data on man hours spent for clean-up, safety concerns and maintenance requirements to operate. Locations, equipment maintenance access and other factors were all taken into consideration. Due to the configuration of the head pulley diameter and the possibility of a mechanical splice, we recommended the installation of ASGCO®'s Skalper® with E-Z Torque® primary belt cleaning system to remove the carry-back. Installation of the Razor-Back® Secondary after the snub pulley and prior to the belt leaving the surface grade and going into pit would greatly reduce the man hours spent on cleanup while reducing the risk of injury as well as improving housekeeping . Since a new sister plant was about to begin operations using the same conveyor setup, they could compare the results at this facility and apply them to the sister plant.



Skalper® with E-Z Torque® installed on the head pulley.



Razor-Back with Bolt-up™ and C-Tip installed after the snub pulley.

### **Results:**

Since these were new conveyor systems, there were no issues with the location or the installation of the belt cleaners. The initial startups were trouble-free. The customer commented that access for maintenance, when needed, will now be much easier due to the input we received during our earlier discussions and the conveyor surveys that were done. Data will now be kept to compare the performance and results with their sister plant.