State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5316-03

California Type Evaluation Program
Certificate of Approval
for Weighing and Measuring Devices

For:

Hopper Scale Weighing/Load Receiving Element
Digital Electronic
Model: 2
n_{max}: 2 000
e_{min}: 20 lb
Capacity: 40 000 lb

Accuracy Class: III L

Submitted by:

Kiewit Pacific Company
P.O. Box 1769
Vancouver, WA 98668
Tel: (360) 693-1478
Fax: (360) 693-3582
Contact: Tracy Crain

Standard Features and Options

Primary weight indication, motion detection, and bulk weighing requirements are provided by an approved and compatible digital weight indicator.

Hopper Dimensions: 9' 6" length x 7' 3" width x 8' height

Load Cell: (4) Rice Lake Weighing Systems Model RL 20000-15K, 15 000 lb capacity, “S” type with steelyard rod and linkage

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: September 16, 2003

Mike Cleary, Director

Kiewit Pacific Company
Hopper Scale Weighing/Load Receiving Element
Model: 2

Application: To be used as a construction material hopper scale when interfaced to an approved and compatible indicating element.

Identification: A metal identification plate is permanently attached to the support beam of the hopper.

Sealing: The load cell junction box may be sealed by placing a wire security seal through two drilled head screws securing the cover. Additionally, the overall calibration can be sealed at the indicating element in accordance with the sealing described for the compatible approved indicator.

Test Conditions: The Model 2 was interfaced to a Consolidated Controls Model UMC 2000 digital weight indicator (Certificate of Approval Number 1929(c)-97) for the evaluation. The emphasis of the evaluation was on device design, marking requirements, and performance of the load/weighing element. Several increasing/decreasing load tests were performed using 10 000 lb of certified test weights and direct substitution methods to nominal scale capacity of the device. The device was placed in service and retested in a similar manner 30 days later.

Results of the evaluation indicate the device complies with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2002 Edition

Tested By: Gary Castro (CA)