

## Scale License, Scale Certificate, Check Weighing

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## 2021 Oregon Standard Specifications

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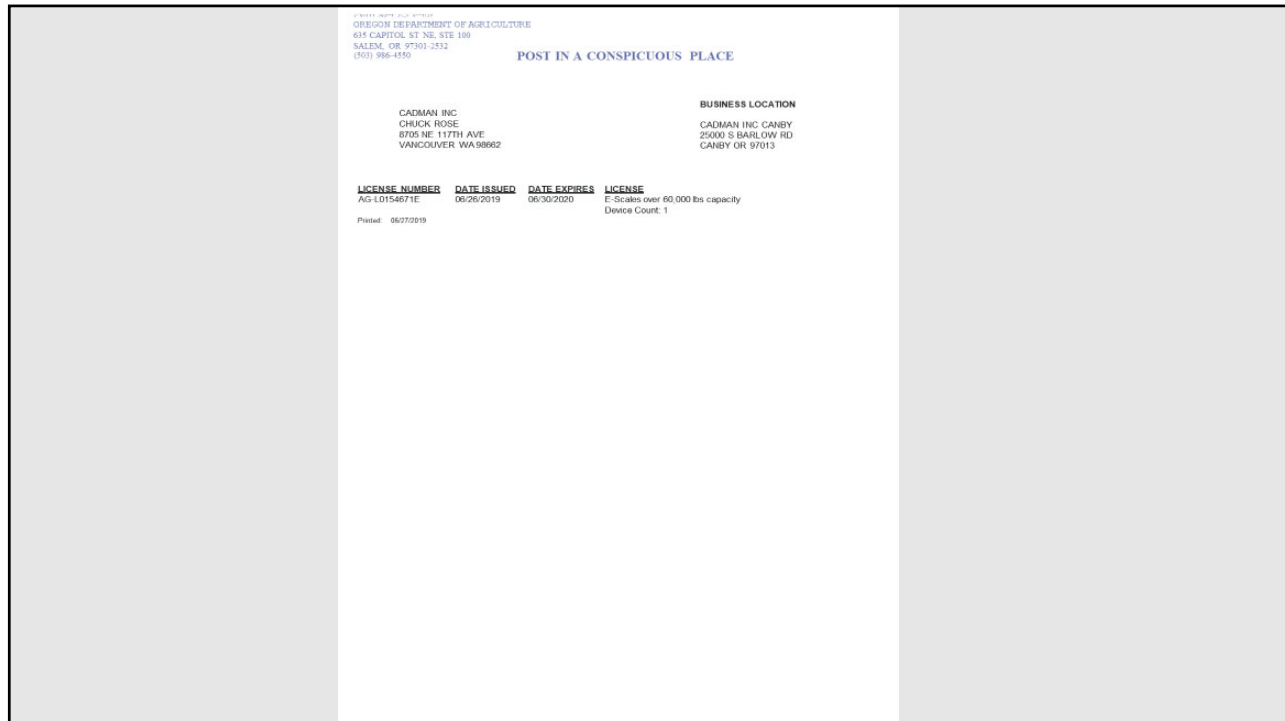
### 00190.20 Contractor to Provide Vehicle Weigh Scales:

(b) Requirements - The scales shall conform to ORS Chapter 618, or the laws of the state in which they are located, and NIST Handbook 44, and shall be:

- Licensed by the Oregon Department of Agriculture, or by the analogous regulatory body for scales located outside the State;
- Technically suitable for weighing the Materials;
- Properly installed and maintained; and
- Accurate to the required tolerances.



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## 2021 Oregon Standard Specifications

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**00190.20 Contractor to Provide Vehicle Weigh Scales:**

(d) Inspections - Contractor shall have all scales certified, that is inspected and their accuracy tested, by the Oregon Department of Agriculture, an analogous regulatory body for scales located outside the State, or a scale service company, as follows:

- Before use if installed at a new site;
- 60 Calendar Days after initial inspection;
- As otherwise required by the Oregon Department of Agriculture, or an analogous regulatory body for scales located outside the State; and
- When the Engineer directs additional inspections.



**Oregon  
Department  
of Transportation**

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# 2021 Oregon Standard Specifications

- No Materials weighed on scales without current certifications according to this Subsection will be accepted.
- The Contractor shall provide a copy of all required certifications to the Engineer.
- Testing by a scale service company within the State of Oregon shall comply with ORS Chapter 618.



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### Certificate of Inspection and Calibration Oregon Region Scio - Bend

Phone: (800) 451-0187 Fax: (503) 394-3502

<b>Customer - Site</b> Knife River - Hwy 140 Work Order Number 51659		<b>City, State</b> White City, OR	<b>Date</b> 11/08/2022 Calibration Due Date 02/28/2023
<b>Asset Number</b> 3404	<b>Indicator Make/Model</b> Rice Lake 420 Plus <b>Scale Manufacturer and Model</b> Powell 890P10 <b>Scale Capacity x Minimum Division</b> 120,000 lbs x 20 lbs	<b>Scale Serial Number</b> S787 95 <b>Platform Dimensions</b> 90' x 10'	<b>Indicator Serial No.</b> 1793900010 <b>Number of Sections</b> 5
<b>Printer</b> Computer	<b>Printer Serial No.</b> N/A	<b>Remote Display</b> Rice Lake Laserlight 4	<b>Remote Display Serial No.</b> 1636000008

Load Testing Data				
Load Position	Test Weights	As Found	As Left	Final Error
Section 1	16000	16000	16000	0
Section 2	16000	16000	16000	0
Section 3	16000	16000	16000	0
Section 4	16000	16000	16000	0
Section 5	16000	16000	16000	0

Strain and Shift Test Data					
Load Position	Truck Weight	Test Weights Added	Indicated Weight	Expected Value	Error
Section 1	30040	16000	46040	46040	0
Section 2	30040	16000	46040	46040	0
Section 3	30040	16000	46040	46040	0
Section 4	30040	16000	46040	46040	0
Section 5	30040	16000	46040	46040	0

<b>Checks and Approaches</b> Good Deck Clearance Good Pit Condition Good Indicator Equipment Good	<b>Printer</b> Good <b>Remote Display</b> Good <b>J-Bus(es) Condition</b> Good <b>Wiring Condition</b> Good	<b>Weighing Device Listed Above Meets</b> NIST HB-44 Acceptable Tolerances <b>Initial Testing Results for the Weighing Device Listed Above</b> In Tolerance <b>Final Testing Results for the Weighing Device Listed Above</b> In Tolerance
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**Test Weights Used** OR-22-007-1B (HB 44) : OR-22-008-F (Class F) : 1/12/2024  
249 OR-22-009-F (Class F)

Test weights listed above are traceable to the International System of Units (SI) through traceable comparators of standards at the National Institute of Standards and Technology (NIST).

**Remarks**

If box is checked, the following information has changed from last certification

<b>Scale Technician</b> Tyler Kinney (OR)	<b>Scale Technician Signature</b> <i>TLK</i>
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53cc57ecc9b49c0-1667929033572

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# Scale Certificate Example

Certificate Number: 140032-030-00419-VIC

Customer Address:  
25-303 S Bayview Rd  
Cadyville, Oregon 97613  
30466626

**METTLER TOLEDO**

**Vehicle Scale Test Report**

**Device And Scale Details**

Industrial	Water Tails	35100000000	040318202
Platform	Water Tails	700	040318202
Load Cell	Water Tails	050701	040318202
Platform	MET	00000	040318202
Platform	MET	00000	040318202

Asset #/Model: TRUCK SCALE / LOCARY TRUCK SCALE

Procedure Statement: The device reference in this document has been independently verified according to METTLER TOLEDO procedures. All translations into other languages are based on the referenced user's instruction, which is in English. This certificate refers to the issued and in use.

Confirm Statement: This device was tested and certified to CONFORM to NIST Handbook 44 tolerances.

Approval/Revision: Maintenance

Issue On/Range: Effective from the date as indicated in the report are within the accuracy requirements of NIST Handbook 44

Environmental Conditions: D:rain W:wind D:show D:dry Temperature: 65°F

Meteorological based on: on wind 15km/h exposure

Last Performed: 04-Sep-2019

**Scale Condition Report**

Shipping	Good	Acceptable	Poor	Not
Down	Good	Acceptable	Poor	Not
Up	Good	Acceptable	Poor	Not
Side	Good	Acceptable	Poor	Not
Front	Good	Acceptable	Poor	Not
Back	Good	Acceptable	Poor	Not
Left	Good	Acceptable	Poor	Not
Right	Good	Acceptable	Poor	Not
Front	Good	Acceptable	Poor	Not
Back	Good	Acceptable	Poor	Not
Left	Good	Acceptable	Poor	Not
Right	Good	Acceptable	Poor	Not
Front	Good	Acceptable	Poor	Not
Back	Good	Acceptable	Poor	Not
Left	Good	Acceptable	Poor	Not
Right	Good	Acceptable	Poor	Not
Front	Good	Acceptable	Poor	Not
Back	Good	Acceptable	Poor	Not
Left	Good	Acceptable	Poor	Not
Right	Good	Acceptable	Poor	Not

**Service Recommendations**

Annual Calibration	Required	04-Sep-2019	04-Sep-2020
Annual Inspection	Required	04-Sep-2019	04-Sep-2020
Load Cell Replacement	Considered	04-Sep-2019	04-Sep-2020
Platform Replacement	Considered	04-Sep-2019	04-Sep-2020

Operator Training:  Required  Not Required

Scoreboard:  Pass  Fail

Upgrade to POWERCELL PXL:  Yes  No

**Remarks**

Scale, clear, no adjustments needed at this time scale working great.

04-Sep-2019  
04-Sep-2020  
040318202

METTLER TOLEDO      Mettler Toledo  
Service Business Unit/Industrial 1100 Polaris Parkway / Columbus, OH 43240-1100-523-5123      12

Certificate Number: 140032-030-00419-VIC

**Mettler TOLEDO Service**

**Linear Test**

Weight Applied	Reading	Error	Max. Allowable Error	Pass/Fail
25.0000	25.0000	0.0	±0.0	Pass
25.0000	25.0000	0.0	±0.0	Pass

**Strain Load Test**

Weight Applied	Reading	Error	Max. Allowable Error	Pass/Fail
25.000	25.000	0.0	±0.0	Pass
50.000	50.000	0.0	±0.0	Pass
75.000	75.000	0.0	±0.0	Pass
100.000	100.000	0.0	±0.0	Pass

**Strain Tests (Single Platform Scales Only)**

5 = Scales  
M = Meters  
L = Load Cells

Location of Scale Platform

Test Load	Reading	Error	Max. Allowable Error	Pass/Fail
25.000	25.000	0.0	±0.0	Pass
50.000	50.000	0.0	±0.0	Pass
75.000	75.000	0.0	±0.0	Pass
100.000	100.000	0.0	±0.0	Pass

**Reference Weights**

Weight ID	Traceability Number	Manufacturer	Calibration Date	Calibration Due Date
100331	OR 18-1804	NIST-F	23-Jul-2019	23-Jul-2020

**Contact Details**

**Mettler TOLEDO**

This document is intended to be used in conjunction with the user manual for the subject device in accordance with agreed standards. It does not guarantee the performance of the subject device. All measurements recorded are based on the subject device's performance at a given time as tested by METTLER TOLEDO and, except where explicitly stated otherwise, do not represent an opinion on the sufficiency of any customer supplied procedures used to test the device. This document is not a warranty, either implied or express. METTLER TOLEDO expressly disclaims any liability arising from the use of the information in this document for any purpose other than its specific function.

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Service Business Unit/Industrial 1100 Polaris Parkway / Columbus, OH 43240-1100-523-5123      22

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# Check Weighing

- The weight of any Materials weighed by anyone other than the Engineer will be subject to check weighing as the Engineer directs.
- The Contractor shall provide a technician to operate Contractor-provided vehicle weigh scales. The Agency may observe procedures and require check weighing according to the following:

**Scale with Automatic Printer -** If the scales have an automatic weigh memo printer that does not require manual entry of gross weight information, the Agency may periodically have a representative at the scales to observe the weighing procedures. In addition, the Engineer may periodically check the weight for a load of Materials by directing the haul vehicle to reweigh on a different scale that has been inspected and certified according to 00190.20(b) and 00190.20(d).



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## Check Weighing

- If a different scale is not available within a 30-mile round trip from the regular haul route, the Agency will allow check weighing on an approved alternate basis. Check weights within 0.4% of the Contractor-provided weight are acceptable.
- The Engineer will resolve discrepancies found by check weighing (Construction Manual 12D 2). Agency employee costs will be paid by the Agency. The Contractor shall pay all other costs resulting from the check weighing, including, without limitation, the use of other scales.
- When 2,000 tons or less of all types of Materials are received from a scale, check weighing will be at the discretion of the Engineer. The Contractor shall make at least one check weighing on projects where more than 2,000 Tons of all types of Materials are received from a scale.



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## Check Weighing

- If more than 50 Tons per Day of all types of Materials are received from a scale, the Contractor shall make random check weighings at least once every ten Days on which more than 50 Tons is received or at each interval that 10,000 Tons has been weighed, whichever occurs first, or as directed by the Engineer. The check weighing frequency does not apply to total quantities less than 2,000 Tons of all types of Materials from a scale. The Contractor shall provide the Engineer with the results of the check weighing.

**Scale Without Automatic Printer** - If the scales require manual entry of gross weight information, the Agency may periodically have a representative weigh witness at the scales to observe the weighing procedures. The Contractor shall inform the Engineer of his intent to use a scale without an automatic printer at least 3 working days before weighing begins or before the Contractor changes to a scale that does not have an automatic printer.



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## Construction Manual 12d (2)

- If observation, the check weighing, or other concern indicates that the scales are not operating within the tolerances specified in Subsection 00190.20(f), the RE must:
- Immediately order the scale operation to be corrected, and
- Determine which weigh memos were impacted by the incorrect scale operation and resolve that information.



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## Check Weight Example

**KNIFE RIVER MATERIALS**  
OCB #56603 CSLB #567735

Sold To: US199: ROGUE RVR HWY-APPL 18211107

Order No: 32410 Cost Code: 32410 PO: \_\_\_\_\_

Hauler: HAULER Truck # BAILEY\_688

Scale	Material	Net Tons	Bin
1	16131	14.88	3

Weighmaster: Dave Schweitzer

Received By: \_\_\_\_\_

TERMS: Net 10th day of month following date of invoice. A late payment Service Charge of 1.5% per month will be charged on accounts 30 days past due from date of billing. This Service Charge is an Annual Percentage Rate of 18%. Minimum Service Charge \$1.00. In the event any account is not paid when due, Buyer agrees to pay upon demand all expenses and fees reasonably incurred in collecting the balance due, whether or not a legal action is filed. Such expenses shall include, but are not limited to, attorney fees and other professional fees incurred in the collection process. If legal action is instituted, Buyer shall be liable for all fees, costs, and expenses awarded by the trial court or by any appellate court.

Southern Oregon Division  
**KNIFE RIVER MATERIALS**  
OCB #56603 CSLB #567735

Sold To: US199: ROGUE RVR HWY-APPL 18211107

Order No: 32410 Cost Code: 32410 PO: \_\_\_\_\_

Hauler: HAULER Truck # BAILEY\_688

Scale	Material	Net Tons	Bin
3	16131	14.87	3

Weighmaster: Dave Schweitzer

Received By: \_\_\_\_\_

TERMS: Net 10th day of month following date of invoice. A late payment Service Charge of 1.5% per month will be charged on accounts 30 days past due from date of billing. This Service Charge is an Annual Percentage Rate of 18%. Minimum Service Charge \$1.00. In the event any account is not paid when due, Buyer agrees to pay upon demand all expenses and fees reasonably incurred in collecting the balance due, whether or not a legal action is filed. Such expenses shall include, but are not limited to, attorney fees and other professional fees incurred in the collection process. If legal action is instituted, Buyer shall be liable for all fees, costs, and expenses awarded by the trial court or by any appellate court.

**STATE WITNESS CHECK WEIGHT**

PROJECT: US199: Rogue River Hwy - Applegate

CONTRACT: C 15265 DATE: 9/29/2021

MATERIAL: Lvl 4 1/2" DEN B.I. # 0540

TRUCK # BAILEY LOAD # 34 & 35

**WEIGHTS**

<b>CONTRACTOR TICKET</b>	<b>STATES TICKET</b>
GROSS 1 <u>27.15</u>	GROSS 2 <u>27.14</u>
Scale Location <u>Kittland #1</u>	Scale Location <u>Kittland #3</u>

GROSS 1 - GROSS 2  
 \_\_\_\_\_ x 100 = .04 %

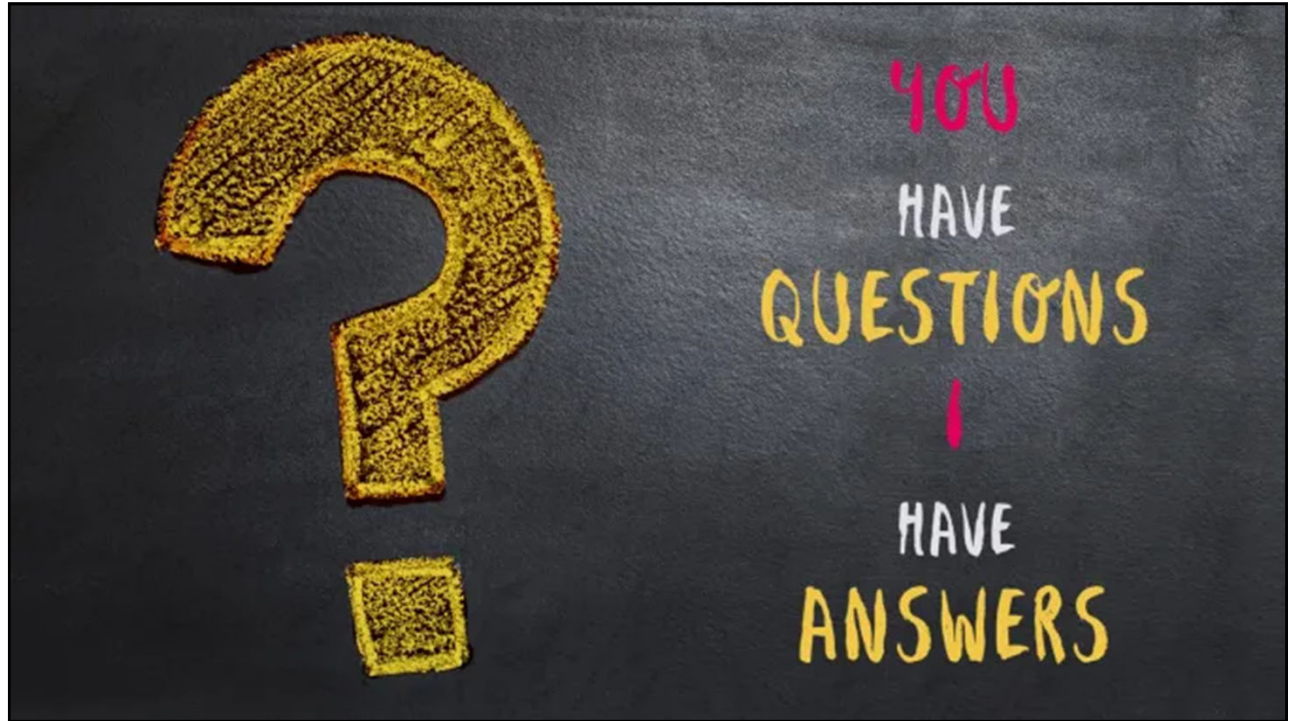
GROSS 1 ALLOWANCES = .4%

INSPECTED BY: Travor Davis

IN ACCORDANCE WITH STANDARD SPECIFICATION 00190.20F  
 OVER 50 Tons - EVERY 10 DAYS/10,000 Tons  
 WHICHEVER COMES FIRST

**ATTACH**  
 Original Check Weight  
 Copy of Contractor Ticket  
 (Original Ticket remains with Batch)

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