



# TOP DRR ISSUES



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# MISSING MATERIALS TEST

- Make sure you are getting all required tests.
  - Use Manual of Field- Tested Procedures.
  - Use Test Summary to stay organized and current.
- We need to charge Contractors for missing tests and failing tests that are not resolved.



Reference: Manual of Field- Tested Procedures

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You can find this list under TOOLS on the CAU Webpage here:

<https://www.oregon.gov/odot/Construction/Pages/Contract-Administration-Services.aspx>

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#### CONSTRUCTION MATERIAL TESTING SERVICES

Costs based on testing services from each region.

| Test Name                     | Designation | Cost Per Test or Hour |
|-------------------------------|-------------|-----------------------|
| Mileage (per mile)            | NA          | \$0.75                |
| Minimum Charge                | NA          | \$135                 |
| Technician - CCT/QCT          | NA          | \$135                 |
| Technician (Cat 1, CagT, CDT) | NA          | \$135                 |
| Engineer-hourly               | NA          | \$135                 |

#### AGGREGATE TESTS

|                      |                 |       |
|----------------------|-----------------|-------|
| Sand Equivalent      | AASHTO T 176    | \$192 |
| LAR                  | AASHTO T 96     | \$226 |
| Lightweights         | AASHTO T 113    | \$80  |
| Unit Weight          | AASHTO T 19     | \$80  |
| Fine Bulk Gravity    | AASHTO T 84     | \$134 |
| Coarse Bulk Gravity  | AASHTO T 85     | \$104 |
| Dry Gradation        | AASHTO T 27     | \$109 |
| Washed Gradation     | AASHTO T 27/T11 | \$163 |
| % Fracture           | AASHTO T 335    | \$80  |
| Wood Waste           | ODOT TM 225     | \$9   |
| Cleaness Value       | ODOT TM 227     | \$191 |
| Elongated Pieces 5:1 | ODOT TM 229     | \$85  |
| Moisture             | AASHTO T 255    | \$80  |

#### SOILS TESTS

|                                      |                         |       |
|--------------------------------------|-------------------------|-------|
| Organic Content                      | ASTM D4987/ AASHTO T267 | \$193 |
| Liquid Limit                         | AASHTO T 89             | \$84  |
| Plastic Limit                        | AASHTO T 90             | \$105 |
| Moisture-Density Method A/D (5.5 lb) | AASHTO T 99             | \$495 |
| Moisture-Density Method A/D (10 lb)  | AASHTO T 180            | \$676 |
| Oregon Air Degradation               | ODOT TM 208             | \$137 |
| Resistivity                          | AASHTO T 288            | \$263 |
| PH                                   | AASHTO T 289            | \$38  |

#### BITUMINOUS TESTS

|                                                    |              |        |
|----------------------------------------------------|--------------|--------|
| % AC by Incineration                               | AASHTO T 308 | \$270  |
| Calibration Factor for T-308                       | ODOT TM 323  | \$810  |
| Bulk Specific Gravity of Compacted Hot Mix Asphalt | AASHTO T 166 | \$135  |
| Bulk Gravity- DG Compacted mix                     | AASHTO T 166 | \$203  |
| Maximum Specific Density-rice                      | AASHTO T 209 | \$188  |
| Hamburg Wheel-Track Testing of Compacted Asphalt   | AASHTO T 324 | \$203  |
| Hamburg Wheel-Track Testing of Compacted Asphalt   | AASHTO T 324 | \$1215 |

#### CONCRETE TESTS

|                                            |              |      |
|--------------------------------------------|--------------|------|
| Cylinder Compressive Strength-per cylinder | AASHTO T 22  | \$54 |
| Grout Cube Compressive Str-per cube        | AASHTO T 106 | \$98 |

\*Minimum charge is \$135

If total of tests missed does not equal \$135, you must still charge \$135

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## MISSING CHECK WEIGHT/SCALE CERTS

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- Need a Scale cert and license.
- Manual weights require an ODOT weigh witness with fees.



Reference:

- Standard Specification 00190.20 (b) (d)
- Construction Manual Chapter 12D

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## CAS RESPONSIBILITIES

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- Payments should not be entered into CPS before documents are received and reviewed.
- Prior to entering paynote into CPS:
  - Are all quality documents attached to paynote, or appropriately cross referenced?
  - Are calculations, measurements, and formulas included and accurate?
  - Has the Test Summary A been completed with paynote and documentation information?
  - Does the paid this estimate quantity match the entry in CPS?
- Transition documents according to the Document Directory (DEDD).
- Once payment is entered in CPS paynotes need to be transitioned to Ready for RAS Review.
- Estimates are reviewed by the RE and Contractor for accuracy before upload.



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## TACK- LIGHT AND HEAVY WEIGHT

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- Missing Light and Heavy Weight Tickets for Tack.
- Manual weights require an ODOT weigh witness with fees.
- What do we do if we don't get light and heavy weights tickets or if the tickets contain manual weights?
  - Calculate the area based off neat line (grind out area) and lifts and convert to tons using minimum spread rate and specific gravity of the material.
  - Must provide calculations for neat lines used and calculations for mathematical equations for getting to tonnage used.
    - Due to escalation/de-escalation, the final tonnage will need to be broken down and paid by month.
- **This is only used for alternate means of acceptance with an RE Exception.**



Reference: Standard Specification 00705.90, 710.90, 711.90, 715.90, 730.90  
735.90, 00190.10 (d)(2)  
& Construction Manual 12D

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## FIELD TESTED MATERIAL REPORTS

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- Wrong Forms used.
- Missing signatures.
- Failing Reports with No Resolution.



Reference: Construction Manual Chapter 12B

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## TEST SUMMARIES

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- Not up to date.
- Not completed accurately.
- Missing quantities and test information.
- Make sure they are available to the RAS.



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# TEST SUMMARIES

Make available to the RAS upon request or share via OneDrive.

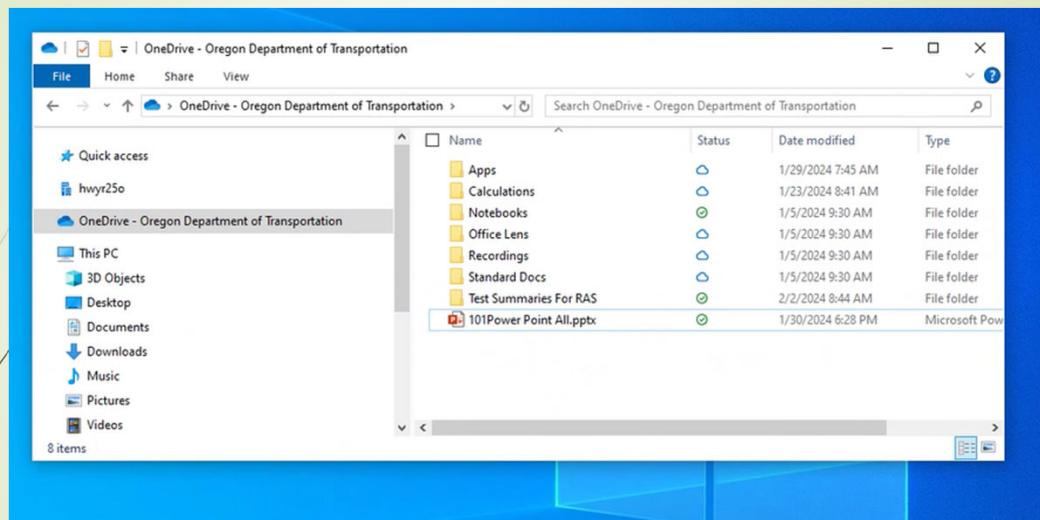
There are multiple ways to do this, two of them are:

- You can share an entire folder. (Create a folder on your OneDrive and save your test summary there.)
- You can share a single document. (Save your test summary on your OneDrive.)
  - Once it is saved on OneDrive:
  - Open File Explorer
  - Click on OneDrive

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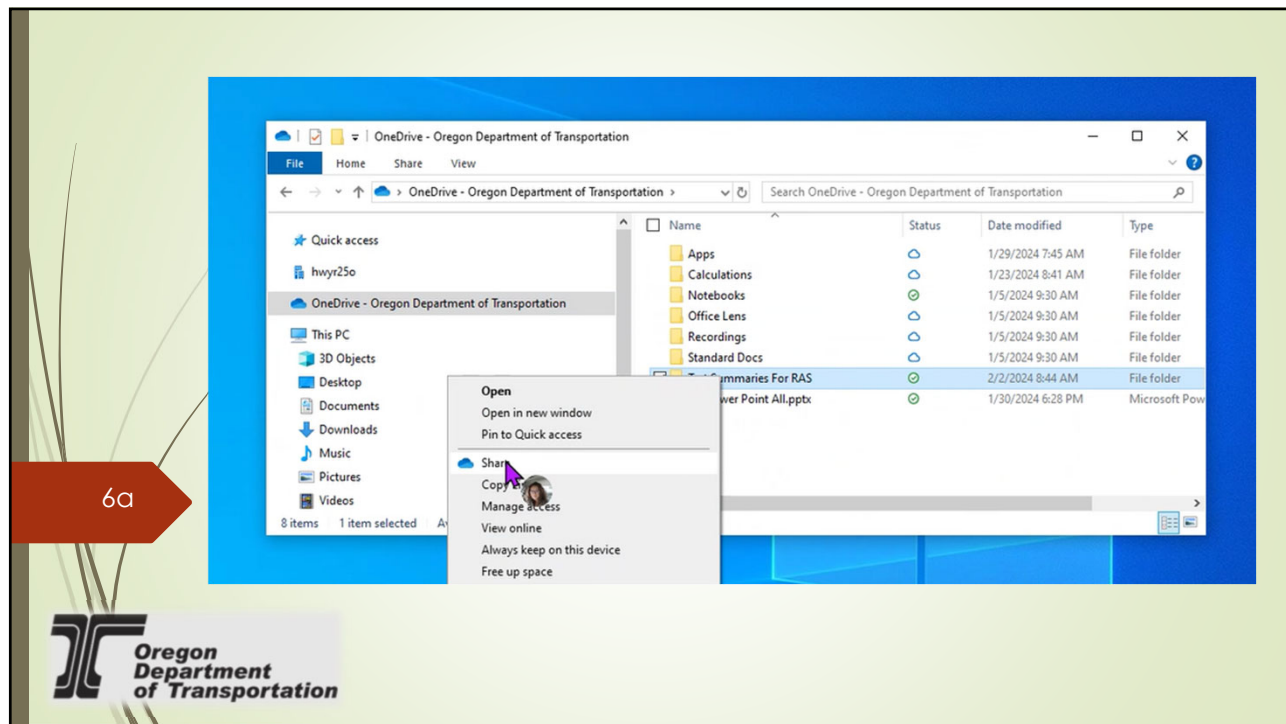
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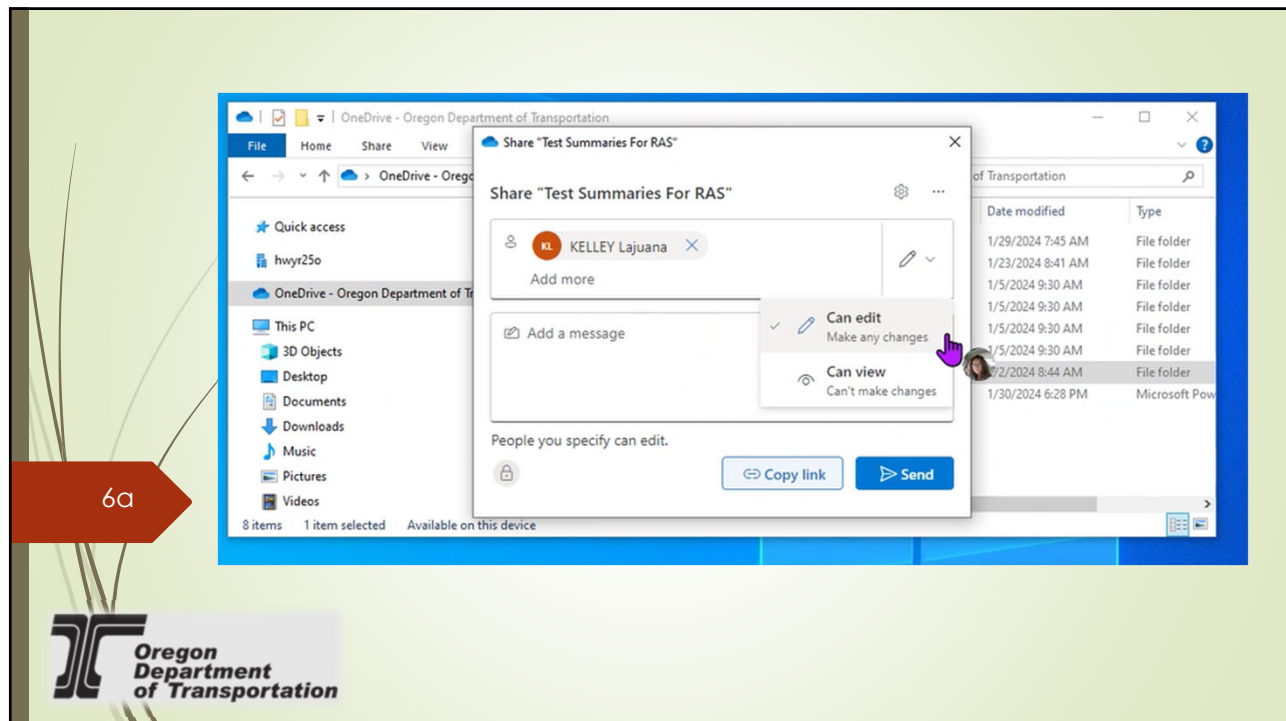
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## DOC EXPRESS ITEMS

- Follow the Doc Express Document Directory (DEDD) for process flow including:
  - Naming Conventions.
  - Required Transitions.
  - Supporting Documents.

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Reference: Doc Express Document Directory

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## OVERRUN BID ITEMS

- Construction Manual Chapter 15.
- Specifications 223, 225, 340, 810 Cost Justification.

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| Standard Specifications                 | 2018        | 2021        |
|-----------------------------------------|-------------|-------------|
| Temporary Removable Tape                | 00225.93(g) | 00225.90(c) |
| Temporary Non-Removable Tape            | 00225.93(h) | 00225.90(d) |
| Temporary Non-Reflective Tape           | 00225.93(i) | 00225.90(e) |
| Temporary Striping                      | 00225.93(j) | 00225.90(f) |
| Temporary Pavement Bars                 | 00225.93(l) | 00225.90(h) |
| Bar Removal                             | 00225.93(o) | 00225.90(k) |
| Flaggers                                | 00225.98(a) | 00223.90(a) |
| Traffic Control Supervisor              | 00225.98(b) | 00223.90(b) |
| Pilot Cars                              | 00225.99    | 00223.90(d) |
| Pedestrian Transport Vehicle            | -----       | 00223.90(e) |
| Watering Limited to 125%                | 00340.91    | 00340.91    |
| BPA Safety Watchers (boilerplate)       | 00225.98(a) | 00223.90(h) |
| Railroad Flagger (boilerplate)          | 00225.98(b) | 00223.90(g) |
| Tow Truck (boilerplate)                 | -----       | 00223.90(i) |
| Extra for Hand-Dug Guardrail Post Holes | 00810.90(j) | 00810.90(j) |



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## MEASURMENTS

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- Missing beginning and ending stations on paynotes.
- Missing calculations and equations.
- Stationing not adding up to lengths within reason.
  - Provide explanation when necessary.



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## FIR DOCUMENTATION

- FIRS need to be filled out completely.
- Verify all required quality documentation is recorded or appropriately cross referenced.
- Incorporated quantities are updated on the FIR.
- Lump Sum Items



Reference: Construction Manual Chapter 12B

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## RAS CONTACTS

|                                                                                                                                                                                                        |                                                                                                                                                                                                                           |                                                                                                                                                                                                                               |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>DJ Smith<br/> <a href="mailto:Donnie.J.Smith@odot.Oregon.gov">Donnie.J.Smith@odot.Oregon.gov</a><br/>           (541) 823-4027<br/>           Region 5 (La Grande, Ontario)</p>                     | <p>Mary Saba<br/> <a href="mailto:Mary.G.Saba@odot.Oregon.gov">Mary.G.Saba@odot.Oregon.gov</a><br/>           (503) 621-2047<br/>           Region 1 (Barlow-Miller, Mult Co., City Gresham/Beaverton, Clackamas Co.)</p> | <p>Tony Nguyen<br/> <a href="mailto:Tony.V.Nguyen@odot.Oregon.gov">Tony.V.Nguyen@odot.Oregon.gov</a><br/>           (503) 731-3265<br/>           Regions 1 &amp; 4 (Barlow-Aguon, The Dalles, City Portland, PBOT)</p>       |
| <p>Katie Miller<br/> <a href="mailto:Katie.Miller@odot.Oregon.gov">Katie.Miller@odot.Oregon.gov</a><br/>           (541) 430-2386<br/>           Region 2 (Salem, Astoria, City Salem, Marion Co.)</p> | <p>Lajuana Winger<br/> <a href="mailto:Lajuana.winger@odot.Oregon.gov">Lajuana.winger@odot.Oregon.gov</a><br/>           (503) 428-4510<br/>           Region 3 (Roseburg, Coquille)</p>                                  | <p>Gene Thomey<br/> <a href="mailto:Farrell.Thomey@odot.Oregon.gov">Farrell.Thomey@odot.Oregon.gov</a><br/>           (503) 428-3218<br/>           Regions 3 &amp; 4 (Klamath Falls, White City)</p>                         |
| <p>Merry Sylvia<br/> <a href="mailto:Merry.L.Sylvia@odot.Oregon.gov">Merry.L.Sylvia@odot.Oregon.gov</a><br/>           (503) 781-9317<br/>           Region 1 (Beaverton, Troutdale)</p>               | <p>Art Nunez<br/> <a href="mailto:Arthur.Nunez@odot.Oregon.gov">Arthur.Nunez@odot.Oregon.gov</a><br/>           (503) 983-6471<br/>           Region 2 Consultant Projects and Region 4 (Bend)</p>                        | <p>Justin Cary<br/> <a href="mailto:Justin.Cary@odot.Oregon.gov">Justin.Cary@odot.Oregon.gov</a><br/>           (541) 246-0379<br/>           Regions 2 &amp; 3 (Corvallis, Springfield, Lane Co., City Eugene/Corvallis)</p> |
| <p>Rob Peters<br/> <a href="mailto:Robert.W.Peters@odot.Oregon.gov">Robert.W.Peters@odot.Oregon.gov</a><br/>           (541) 890-6199<br/>           Reg 3 &amp; 4 (Ret. Temp)</p>                     |                                                                                                                                                                                                                           |                                                                                                                                                                                                                               |

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