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SPECIAL PROVISIONS REFERENCE

00745.49(b-2) Random Testing - Replace the paragraph of this subsection that begins with “Determine the density of each subplot by averaging...” with the following paragraphs:

Correspond lots and **compaction sublots** with those defined in 00745.02. **Provide one density test location for each compaction subplot.** Notify the Engineer when rolling operations are completed in a compaction subplot and it is ready for test location identification. The Engineer will use stratified random numbers to locate the QC tests according to ODOT TM 400 Annex. ODOT TM 400 Annex is available from the Engineer. The Engineer will mark where the QC tests are to be performed.

Allow 30 minutes for the Engineer to locate the final test locations after completion of finish rolling and any additional time required for testing, prior to opening the travel lane to traffic. Have the CDT locate and document the test locations not identified within this time frame.

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Points of Interest for Blind Random Density

- Still some concerns regarding time management – balancing Blind Random and other inspection responsibilities
- Reconcile yields daily with number of tests taken to ensure that any missing tests are recovered ASAP
- Use the ticket taker to record the station at each random tonnage to be located later by an inspector for the CDT
- Tablets are a good field tool to run the calculations and help keep track of the ongoing changes

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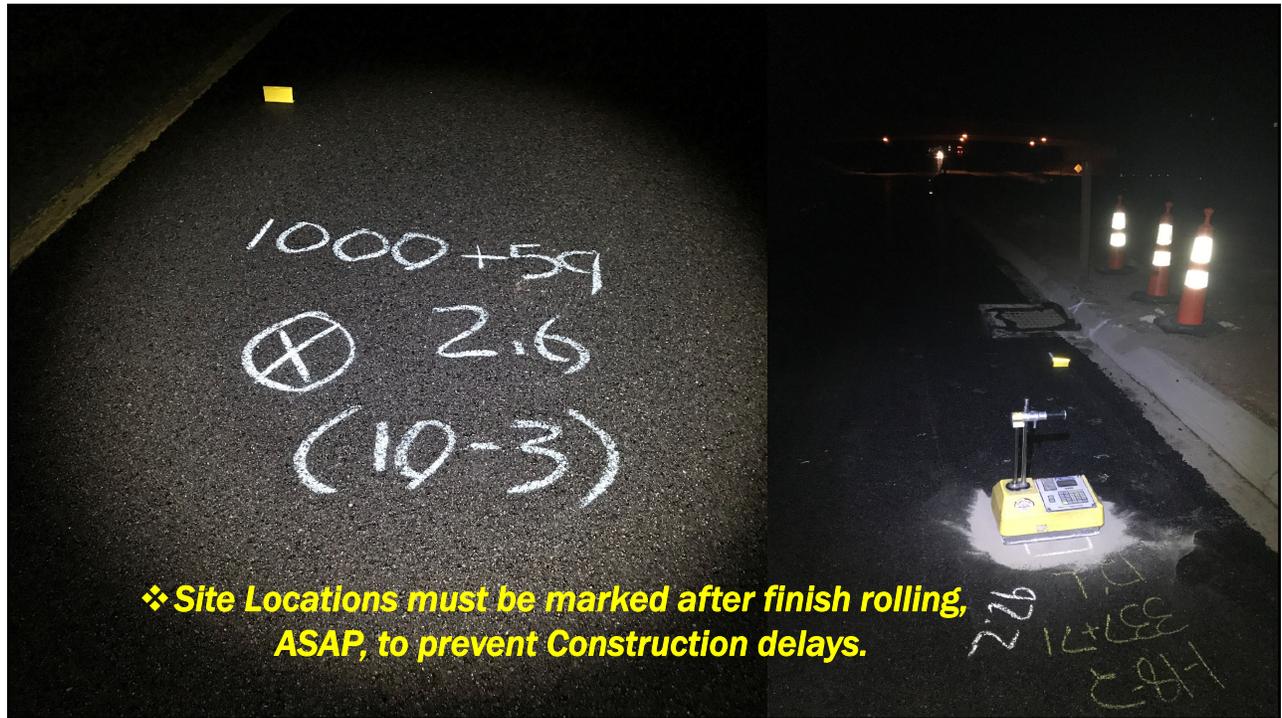
BLIND RANDOM DENSITY WORKBOOK

The screenshot displays a spreadsheet titled "BLIND RANDOM DENSITY WORKBOOK" with two tabs labeled "MATERIAL DELIVERY & YIELD CHECK SHEET". The spreadsheet is organized into several sections:

- Project Information:** Fields for PROJECT, CONTRACT, DATE, SOURCE, and BID ITEM.
- Yield Data Table:** A table with columns: LOAD #, TICKET #, QUANTITY DELIVERED, LOCATION PLACED, TIME DELIVERED, CUMULATIVE DELIVERED, REMARKS, and (Width). Rows 16-26 show individual load entries, and row 27 shows a subtotal.
- Calculations:**
 - (B) THEORETICAL YIELD CALC:** $(Width \times Length \times Depth) \times (MAMM \times \%Comp / 100) / 2000 = \text{TONS}$
 - (C) COMPARISON CALC:** $(A/B) \times 100$
 - (D) % TOLERANCE CALC:** $(100-C) / 100$ (expected tolerance to be within +/- 10.0%)
 - DAILY THEORETICAL YIELD CALCULATION:** $(Avg Width \times Overall Length \times (Avg Depth / 12) \times (MAMM \times \%Comp / 100) / 2000) = \text{TONS}$
- Yield Tab Summary:** A table with columns: Yield, Width, Length, Depth, MAMM, % Comp, Theoretical Tons, and Tolerance. It includes rows for "10 Load" and "Running" totals.

The "Yield Tab" section is highlighted with a red box, indicating the updated features from the 2021 Forum, including the 10-load and running yield options, daily yield check, and columns for cumulative tons delivered and width.

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