Application Modifications and Enhancements

HiCAMS & DOH Vendor Version 24.3 were released Friday, 09/13/2024.

OVERVIEW OF THE RELEASE

- Hicams Application enhancements - in various modules related to Contract Maintenance, Density, Estimates, Precast Concrete FIRs, QAQC, Query Tool, References, Samples, Standard Reports, Test Formats, Web Interface Applications

CONTRACT MAINTENANCE - Activate Contracts

- On the Staff Tab changed the Physical Division dropdown list to only display Div. 1 – 14 on Activate Contracts, Contract Details and LGA Contracts windows. - SQA 23306

CONTRACT MAINTENANCE – Contract Details

- State funded contracts changed the M&T Records Contact to Phillip L. Stanberry. Federal contracts continue to have the M&T Records Contact as Margaret M. Lloyd. – SQA 22299

CONTRACT ESTIMATES - Review Estimates

- Expanded the WBS column field on the Estimate Report window. This is to accommodate the values from the Billion-Dollar contracts. - SQA 23376

DENSITY - Review Density Other Conventional

- Modified the window to only filter/display Technicians with Conventional Density Technician certification type when choosing the CDT Name on the window. - SQA 23370

FIELD INSPECTION REPORTS (FIR) - Review Field Inspection Reports

- PRECAST CONCRETE: For Alternate IDs that are manually entered, this update will let the user know if they need to continue entering characters/digits. Characters will display as Red until you reach the 24-character limit. When record is Saved the characters will display as Black, if not enough characters to reach the 24-character limit it will display as Red. - SQA 23330

- Set the Inspection Date to equal current date as default, and this date will also set the Date Tested to equal the Inspection Date as default on the Test Result Row on the Results window. - SQA 23331

SAMPLING – Review Sample Details

- Removed code that prevented voiding a Dispute Resolution (DR) sample associated to a Verification sample when the DR sample had been Voided first. Now it will not matter which order the samples are voided. - SQA 23362

QAQC – Moving Average Report/Graph
- New report with Criteria, Graph and Data tabs to search and report QA, Verification and QC samples by Division, Plant, JMF, Year, Sample Number range for the critical properties of 12.5mm, 4.75 mm, 2.36 mm, 1.18 mm, 0.075 mm, VTM, VMA, %Binder, Dust to Binder, and Gmm@Nini. The one non-critical property Gmm is also included in this report.
- QA, Verification, and QC Referee samples are entered through the Sample Details window in HiCAMS, while the QC samples are entered through QAP web application window. QC Referee samples show on this report as a QC sample since it 'replaces' the QC sample per the QMS rules.
- The Criteria tab sets up what to search for, the Graph tab presents the samples in graph format, the Data tab lists the sample data with a 'stop' QC feature.
- A moving average trend line is comprised of the last four QC samples entered into QAP. QC samples are the only sample type to have a moving average.
- A moving average is continuous for all JMF numbers under the same Asphalt Mix Design (AMD). So even if the JMF number is revised, the same moving average is calculated across the original and all revised JMF numbers for that AMD.
- This report allows users, based on the security settings, to set a 'stop' QC sample on the Data tab, which indicates the QC sample for which asphalt production was stopped. The moving average trend line will restart for the next QC sample that has been entered into the QAP web application *after* the stopped sample. The moving average trend line previous to the 'stop' QC sample will no longer be displayed on the Graph tab.
- The properties are presented in tabular format on the Graph tab, allowing to select different properties without having to go back to the Criteria tab; as well as the Y-scale is changeable. - SQA 23056

STANDARD REPORTS

- CONTRACT OVERRUN/UNDERRUN COMPUTATION REPORT: Corrected the display format of the report. Some columns were overhanging beyond the margin due to the widening of the columns for the billion-dollar contracts. - SQA 23352

- FUEL ADJUSTMENT REPORT: Corrected the display format of the report. Some columns were overhanging beyond the margin due to the widening of the columns for the billion-dollar contracts. - SQA 23355

QUERY TOOL

- Test Results – Sample query tool modified to accommodate the Test Formats that have been re-written to replace Formula One. New code has been added to automatically select the new Test Results format. - SQA 23368

REFERENCES - Test Formats

- Added the following functionality to the Test Result Maintenance window
  1. Set the LSL/USL values for the report when the window is first opened
  2. Set the DNMS flags when window is first opened
  3. For any field changes in the Test Result entry window, copy those values over to the Report window.
  4. Update the DNMS flags as necessary. - SQA 23265

- New Test Format written for Expansion Joint Filler (CHEXPJT.xls), this format replaces the Formula One test format currently used in HiCAMS. - SQA 23201

- New Test Format written for Quarry Elemental Analysis (QuarryElemXRF.xls), this format replaces the Formula One test format currently used in HiCAMS. - SQA 23205

- New Test Format written for Acid Producing Rock (CHBTRock.xls), this format replaces the Formula One test format currently used in HiCAMS. - SQA 23271

- New Test Format written for Hot Pour Asphalt (CHBHpJT.xls), this format replaces the Formula One test format currently used in HiCAMS. - SQA 23272

- Fixed problem on Concrete Cylinders Test Formats (PECONCYL.xls) where some values were defaulting into the wrong fields. There should be no default values for CC; Temperature and Average Compressive Strength. - SQA 22519