

Application Modifications and Enhancements

HiCAMS & DOH Vendor Version 8.7.4 were released Friday, 04/26/2024.

OVERVIEW OF THE RELEASE

- HiCAMS Application enhancements - in various modules related to Contract Maintenance, Densities, Estimates, Plastic Pipe, Precast Concrete and Prestressed FIRs, Plastic Pipe, Precast Concrete and Prestressed FIRs, Query Tool, Web Interface Applications
- Data fixes for production issues in various modules - [SQA 23142](#)

CONTRACT MAINTENANCE - Review Contract Details

- Expanded the logic to not only recognize an AC Line Item that would require an AC Base Price be added to the contract, HiCAMS will now also recognize if there is AST on the project and will require the AC Base Price be entered for either type of line item. – [SQA 23227](#)

CONTRACT ESTIMATES - Review Estimates

- Added logic to the Contract Price Adjustment to include AST price adjustment if paying emulsion. Use Line Items for Emulsified Asphalt to be calculated monthly. Add code to Estimate Detail code table and display it on code table window. This is similar calculation used for AC price index; multiplied by # of gallons of emulsified asphalt; 30 cents per gallon. - [SQA 21985](#), [SQA 23154](#)

DENSITY - Review Density Asphalt Cores QA

- Added a new QA Core Type of Informational to the Review Density Asphalt Cores QA window and the Density Type code table window in order to store Informational cores in HiCAMS with ability to query. Informational QA Cores are taken only by the DOT. The Informational QA Core will not be included in Project Certification, nor will they impact any Pay Adjustments. - [SQA 23216](#)

FIELD INSPECTION REPORTS (FIR) - Review Field Inspection Reports

PRESTRESSED CONCRETE & PRECAST CONCRETE - There have been a few minor changes made to how the Materials and Alternate IDs are managed on the Prestressed Concrete and Precast Concrete FIR windows. The 'ICT' indicator that was displayed on the Test Results tab has been renamed to 'Data Source' and will show who submitted the FIR data to HiCAMS. The 'ICT' indicator has been removed from the Alt ID tab. Also, the Producers' materials are now associated to the correct materials in HiCAMS. - [SQAs 23017](#), [23191](#), [23192](#)

CONCRETE PIPE – Producer data submitted to HiCAMS creates Concrete Pipe FIRs systematically. The 'Data Source' is displayed on the Test Results tab to show who submitted the FIR data to HiCAMS, which is comprised of mostly the Test Results data. Inspectors can scan the Alternate IDs and save on the FIR. Inspectors are still able to create a FIR by manually entering all the data. - [SQA 23134](#), [SQA 23172](#)

QUERY TOOL

- **PAY ITEM LINE ITEM DATA** - Created a Query Tool in HiCAMS to compare line item unit prices and quantities across projects and provide a look at average line item unit prices. The query tool data results could show trends in unit pricing for other projects, and in other geographical areas. Resident Engineers could better anticipate unit prices and determine more accurate quantities for their projects, helping to avoid overruns.
- This Query Tool is designed to pull information for a date range providing a look over time as well as search based on plan quantity amounts to help investigate how lower quantities may impact higher unit prices and vice versa. Lower quantities drive the unit price up for the material(s). Producers must absorb the cost of contracting less work and in turn charging a higher price for that work to be done. This data provides a History and Forecast for the Resident Engineers. - [SQA 23147](#)
- **QAP ASPHALT TONNAGE** – Fixed the Sample Type Code column so it shows the correct data; also changed the column label from Sample Date to Date - [SQA 23175](#)
- **FIR PLASTIC PIPE** – Fixed the Material Type and Material Description so they show the correct material type and materials that are saved on a Plastic Pipe FIR. - [SQA 23185](#)

ADMIN - Security

- Added HiCAMS Help Contact Info on HiCAMS Login Window to display as: HiCAMS Help email is HiCAMSONCall@ncdot.gov
- Changed the HiCAMS Access Denied message to display as:
- Access has been revoked for the current Client ID entered. Please contact your HiCAMS Administrator or the Construction Unit at 919-707-2400 or HiCAMS Helpdesk at HiCAMSONCall@ncdot.gov – [SQA 23235](#)
- Added Vendor Help Contact Info on Vendor Login Window to display as: Vendor Help email is HiCAMSONCall@ncdot.gov
- Changed the HiCAMS Access Denied message to display as:
- Access has been revoked for the current Client ID entered. Please contact your HiCAMS Administrator or the Construction Unit at 919-707-2400 or HiCAMS Helpdesk at HiCAMSONCall@ncdot.gov - [SQA 23236](#)

STANDARD REPORTS -

CONTRACT ESTIMATE FISCAL OVERRUN/UNDERRUN: Contract Adjustments for AST Special Provisions will be reported to show Emulsion monthly adjustments/payments.
– [SQA 23031](#)

OFFICE LOCATIONS: STAFF MEMBERS:

ADMIN - Security

- **Payroll Certification** - added Payroll Certification security tag to security group level to include those users identified as able to do Certified Payroll in the AASHTOWare Project (AWP). The AWP application will systematically request and receive from HiCAMS those staff who are authorized in HiCAMS to do the Certified Payroll function in

AWP. This set of users will have ability to log into AWP and do certified payroll. -
[SQA 23038](#)

QAP- General

- Current version of QAP would allow technicians to enter a future dated sample, and this was causing a duplicate data error. Added logic that prevents application from accepting future dates on Samples when spreadsheet is uploaded for Aggregate material.
– [SQA 23226](#)
- **DATA FIX** - Voided all samples that were in error resulting from the incorrect date handling. – [SQA 231366](#)

API – General

- **Contract Status** – Sharepoint systematically requests the Contracts contacts & contract status data from HiCAMS. This data is sent to Sharepoint which then updates the appropriate contract folders in Sharepoint to help recognize projects that have a status of “Accepted”. These projects can be excluded from reporting on “Active” projects. – [SQA 23122](#)
- **Contracts** - Sharepoint systematically requests the AC Content Line Item data from HiCAMS. This data is sent to Sharepoint which then updates the Line Item data appropriately. – [SQA 23116](#)
- **Contractors** - Contractors, Subcontractors, and 2nd Tier Subcontractors data is provided via an application program interface in order to expose the data for consumption by the Line Code System team for AASHTOWare project as well as the Electronic Content Management team for the Sharepoint system. - [SQA 23193](#)
- **JMF** - Sharepoint systematically submits the Job Mix Formula to HiCAMS to request the Producer Facility Name and Material description. This data is sent to Sharepoint which then updates the appropriate folders in Sharepoint. - [SQA 23115](#)