

# Application Modifications and Enhancements – HiCAMS

## V8.0.1

### HICAMS – GENERAL OVERVIEW OF THE RELEASE

- The Quality Assurance Program (QAP) was created in this release as a web application tied into the HiCAMS system. It was built to satisfy FHWA guidelines for Quality Control (QC) and Quality Assurance (QA) testing of Asphalt and Aggregate Materials on highway construction projects. It includes the ability to perform statistical reporting on sample tests to help determine problem areas during the life of a construction project and/or a material used on several projects over a period of time. DOT employees are responsible for entering QA sample tests and vendor producers/suppliers are responsible for entering QC sample tests.
- Continued enhancements to Project Certification/Audit Materials that included block commenting functionality, additional fields for tracking comments and update information, reinstated user profile saved settings and other window design improvements.
- Nuclear Densities for Asphalt QA and QC will now require entry of Percent Compaction for all 5 shots rather than just the average of the shots. The average compaction will then be calculated by the system.
- Many unused Asphalt Mix Design and Job Mix Formulas that were designed under low-gration specifications have been renumbered with the spec year 10 prefix. Contact the Asphalt Lab or Pavement Construction for details.
- Field Inspection Reports will be automatically marked as Test Category of Informational if the technician entered does not have the appropriate certifications.
- When entering Aggregate or Concrete samples that are considered critical for Project Certification, certain additional location information will be required.

### CONTRACT MAINTENANCE – REVIEW CONTRACT DETAILS

- Added the new “Last Reviewed By M&T Date” and “Last Reviewed By” fields from Project Certification to display on the M&T Status tab of Contract Details.

### CONTRACT ADJUSTMENTS – REVIEW OTHER LINE ITEMS

- Corrected erroneous wording that referenced contract times when deleting the saved other line items.

### CONTRACT TRACKING – REVIEW MATERIAL RECEIPTS

- Adjusted the system to not carry forward certification information on materials that are transferred to another project. Any certification information will have to be re-checked and re-entered for the material on the destination project when the material is received.
- Removed the default selection when there are multiple materials on a selected line item. The user will have to select which material the MRR is for.

### DENSITY – REVIEW DENSITY ASPHALT NUCLEAR (QA & QC)

- Modified the system to now require entry of Percent Compaction for all 5 shots rather than just the average of the shots. The average compaction will then be calculated by the system.

#### DENSITY – REVIEW DENSITY OTHER NUCLEAR & CONVENTIONAL

- Modified the system to require an entry in the Right or Left field when the Distance From Center value entered is not zero.

#### FIELD INSPECTION REPORTS – GENERAL

- On all Field Inspection Reports, if the technician specified on record does not have the proper certification, the system will change the test category to Informational as it does on Samples.
- Field Inspection Reports have been modified to prevent deletion of an Alternate ID once it has been saved on a FIR. Instead, users should mark the Alternate ID status as Void if it was entered in error.

#### FIELD INSPECTION REPORTS – PRECAST CONCRETE

- Reinstated the concrete class restrictions to ensure that only concrete mixes belonging to the same concrete class as the selected concrete material can be chosen.

#### FIELD INSPECTION REPORTS – PRESTRESSED CONCRETE

- Reinstated the concrete class restrictions to ensure that only concrete mixes belonging to the same concrete class as the selected concrete material can be chosen.

#### SAMPLING – ENTER SAMPLE DETAILS & REVIEW SAMPLE DETAILS

- Added a Stockpile Number field that becomes available when the Sample From field is Stockpile.
- An entry in the “To Be Used” field on the General tab is now required for samples of materials that belong to the material type group of Aggregate or Concrete, that are considered critical for Project Certification and that do not have a contract number.
- An entry in the “Location” field on the Cont/Loc tab is now required for samples of materials that belong to the material type group of Aggregate or Concrete and that are considered critical for Project Certification.
- An entry in the “Station From” field on the Cont/Loc tab is now required for samples of materials that belong to the material type group of Aggregate or Concrete and that are considered critical for Project Certification.
- An entry in the “Station To” field on the Cont/Loc tab is now required for samples with Test Category of IA Comparative and the material’s material type is not Asphalt Bases & Pavements.
- For samples where the owner is Project and the testing category is Acceptance, the Disposition Quantity fields will be protected if the sample is linked to a check sample. This ensures that no matter how many check samples are linked that only the disposition quantities on the last one in the group will count towards Project Certification.

- Reinstated Concrete Class restrictions to ensure that only concrete mixes belonging to the same class as the concrete class of the material can be selected.

#### PROJECT CERTIFICATION – REVIEW PROJECT CERTIFICATION/CONTRACT TRACKING – AUDIT MATERIALS

- Provided new “block commenting” functionality. This allows users to apply a single comment to multiple materials without having to copy & paste on each row. On the Contract Materials grid the user first selects the rows to be commented. This is done by clicking on a row, then holding the Shift key down and clicking on the last row to be commented to select a block of rows, or holding the Control key down and clicking on individual rows to include in the selection. Then the Right Mouseclick pops up a menu that now has a choice of “Enter Comments for Selected Rows”. Selecting this option, entering a comment and then clicking OK will apply that comment to all of the selected (highlighted) rows.
- Added fields to show the last date that someone from M&T reviewed the data and who did the review.
- A new Comment tab was added to allow users to log comments at the Contract level. This complements the Material level comment functionality that already exists.
- Added the Work Item column to the Line Item grid on the Line Item Quantities tab to allow Design Build contract data to process properly.
- Added a checkbox filter to provide control of whether or not materials that are designated as Not Received should be included in the Material Quantities display.
- Restored the Save Settings functionality.
- Corrected a problem where selecting the Line Item Quantities tab prior to selecting a contract cause the application to terminate.
- Added the hourglass icon while the data/reports are being generated to indicate system processing.
- Modified the Data Generation selection from a radio button to a drop-down selection.

#### QUERY TOOL – GENERAL

- Improved the tool for new queries to now display the columns in the order that they appear in the Display Columns area of the window, rather than displaying them in the order that the fields were dragged to the Display Columns.

#### QUERY TOOL – CONTRACT

- Added the “Last Reviewed By M&T Date” and “Last Reviewed By” fields from Project Certification to the Contract query tool.

#### STANDARD REPORTS – GENERAL

- Removed the Subcontract Certifications Report and Subcontract Vendor Names & Numbers Report from the menu of report choices. The information contained in these reports is available in the Subcontract Report by Vendor/Contract

#### REFERENCES – REVIEW ASPHALT MIX DESIGN

- Many existing low-gradation Asphalt Mix Designs that were not referenced anywhere in the system have been renumbered with a Spec Year 10 prefix. Contact the M&T Asphalt Lab or Pavement Construction Section for the list of those that were converted and what number they were converted to.

#### REFERENCES – REVIEW JOB MIX FORMULA

- Many existing low-gradation Job Mix Formulas that were not referenced anywhere in the system have been renumbered with a Spec Year 10 prefix. Contact the M&T Asphalt Lab or Pavement Construction Section for the list of those that were converted and what number they were converted to.

#### REFERENCES – MINIMUM SAMPLING GUIDE

- Corrected right-mouseclick sorting on Acceptance Date when referencing the Contract Bill of Materials records for a selected Material Type.

#### TOOLS - NOTIFICATIONS

- Corrected a problem with failing samples notifications. These are now displayed as a red envelope and the navigation goes to the line item tab on the sample.

## **Application Modifications and Enhancements – Vendor V8.0.1**

#### DOH VENDOR – GENERAL OVERVIEW OF THE RELEASE

- No changes were made to the DOH Vendor system in the 8.0.1 release.