

Application Modifications and Enhancements – HiCAMS V8.0

HiCAMS and DOH Vendor Version 8.0 were released on Friday, 21 August 2009

HICAMS – GENERAL OVERVIEW OF THE RELEASE

- Continued significant phased enhancements to Project Certification/Audit Materials functionality. Key enhancements in 8.0 include tracking/reporting material quantities by Line Item as well as by Material, segregating instances where a material is considered incidental to the Line Item, and allowing users to re-generate their data based on either the MSG Versions associated with the various source records or using the MSG Versions associated with each material on the Contract Bill of Materials.
- Modified the Density Other Conventional and Nuclear windows to track test results by Category/Subcategory on a Contract rather than by Line Item/Material combination. Existing Density records are being converted from the previous Line Item/Material combinations to the new Category/Subcategory designations.
- New PAR Types were created for failing soils Density Tests. These PARs will need to be resolved in Final Estimates processing just as other PARs are.
- Field Inspection Reports that have Alternate ID information have been modified to allow access/update to the Alt ID tab data after report Authorization. The system will control assignment of the “In Use” status and FIRs having Alt IDs marked as In Use cannot be unauthorized.
- Added an Incidental Materials indicator to the Master Bill of Materials and Contract Bill of Materials to allow designation of materials which are incidental to an item. This designation will be used in tracking material quantities in Project Certification/Audit Materials.
- Modified the Asphalt Mix Design module to allow users to designate the AMD Year in response to the 2010 specification changes for lower gyration levels.
- Modified the Asphalt Mix Design and Job Mix Formula reports to display the Asphalt Design Engineer title, name and signature.
- Expanded Federal Aid Number field across the system from 18 characters to 30 characters to match SPECS & BSIP.

CONTRACT MAINTENANCE – REVIEW CONTRACT BOM

- Added an Incidental Materials indicator to allow designation of materials that are to be tracked for Received and Accepted quantities but where payment of the material is not directly made. These materials will no longer show as payment discrepancies in Project Certification/Audit Materials.

CONTRACT TRACKING – REVIEW MATERIAL RECEIPTS

- Modified the Alt ID dropdown list to display expired types as grayed-out and at the bottom of the list.

CONTRACT TRACKING – REVIEW PAY ADJUSTMENTS

- Created new PAR Types for failing soils density tests. PARs of these new types will be created from the Review Density Other Conventional and Review Density Other Nuclear windows.

CONTRACT ESTIMATES – REVIEW ESTIMATES

- On the Open Issues tab, PARs resulting from any failing Density Tests (Conventional or Nuclear) will now be tracked with any other outstanding PARs.
- On the printed estimate versions where Federal Aid Number is displayed, the reports have been modified to display the newly expanded 30 character field.

WBS MAINTENANCE – ADD WBS

- Expanded the Federal Aid Number field size from 18 characters to 30 characters to match SPECS & BSIP.

DENSITY – REVIEW DENSITY OTHER NUCLEAR & CONVENTIONAL

- Modified the windows and system to allow Density test information to be recorded at the Contract level rather than by Material and Line Item. Soils Density tests will now be associated to a Soils Density Category/Sub-Category rather than to a Material/Line Item combination. Existing data will be converted to the new Category/Sub-Category values as part of the 8.0 release implementation.
- The windows have been enhanced to allow creation of a PAR for failing Density test results.

FIELD INSPECTION REPORTS – CONCRETE PIPE

- Modified the window to prevent Unauthorization of the FIR if any Alt ID on the FIR is marked as “In Use”.
- The Alt ID Status of “In Use” is now system controlled based on linking to MRR’s and the Alt ID Status will be protected whenever the system marks an Alt ID as “In Use”.
- Modified the window to allow access/update to the data on the Alt ID tab even if the FIR has been Authorized. Changes to any of the data will still be subject to the usual edits the system performs and will only be accepted if all edits pass.
- Added the Alt ID Quantity and Alt ID Available Quantity fields to the Report tab and to the printed report.

FIELD INSPECTION REPORTS – CORRUGATED METAL PIPE

- Modified the window to prevent Unauthorization of the FIR if any Alt ID on the FIR is marked as “In Use”.
- The Alt ID Status of “In Use” is now system controlled based on linking to MRR’s and the Alt ID Status will be protected whenever the system marks an Alt ID as “In Use”.
- Modified the window to allow access/update to the data on the Alt ID tab even if the FIR has been Authorized. Changes to any of the data will still be subject to the usual edits the system performs and will only be accepted if all edits pass.
- Added the Alt ID Quantity and Alt ID Available Quantity fields to the Report tab and to the printed report.

FIELD INSPECTION REPORTS – GUARDRAIL

- Modified the window to prevent Unauthorization of the FIR if any Alt ID on the FIR is marked as “In Use”.
- The Alt ID Status of “In Use” is now system controlled based on linking to MRR’s and the Alt ID Status will be protected whenever the system marks an Alt ID as “In Use”.
- Modified the window to allow access/update to the data on the Alt ID tab even if the FIR has been Authorized. Changes to any of the data will still be subject to the usual edits the system performs and will only be accepted if all edits pass.
- Added the Alt ID Quantity and Alt ID Available Quantity fields to the Report tab and to the printed report.
- Corrected a problem with the Word Wrap function that caused the application to crash.

FIELD INSPECTION REPORTS – PRECAST CONCRETE

- Modified the window to prevent Unauthorization of the FIR if any Alt ID on the FIR is marked as “In Use”.
- The Alt ID Status of “In Use” is now system controlled based on linking to MRR’s and the Alt ID Status will be protected whenever the system marks an Alt ID as “In Use”.
- Modified the window to allow access/update to the data on the Alt ID tab even if the FIR has been Authorized. Changes to any of the data will still be subject to the usual edits the system performs and will only be accepted if all edits pass.
- Added the Alt ID Quantity and Alt ID Available Quantity fields to the Report tab and to the printed report.

FIELD INSPECTION REPORTS – PRESTRESSED CONCRETE

- Modified the window to prevent Unauthorization of the FIR if any Alt ID on the FIR is marked as “In Use”.

- The Alt ID Status of “In Use” is now system controlled based on linking to MRR’s and the Alt ID Status will be protected whenever the system marks an Alt ID as “In Use”.
- Modified the window to allow access/update to the data on the Alt ID tab even if the FIR has been Authorized. Changes to any of the data will still be subject to the usual edits the system performs and will only be accepted if all edits pass.
- Added the Alt ID Quantity and Alt ID Available Quantity fields to the Report tab and to the printed report.
- Modified the window to restrict Load Live End and Load Dead End fields to a maximum of 6 digits.

SAMPLING – ENTER SAMPLE DETAILS & REVIEW SAMPLE DETAILS

- Expanded the Represented Quantity field on the Line Item tab to accept quantities up to the maximum Represented Quantity value that can be entered on the Sample (99,999,999.99).

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

- Added a “Line Item Quantities” tab to display Project Certification data for a selected Material by Line Item. The Project Certification module now allows review of data quantities by Material across all Line Items on the Contract and broken down by Line Item. When double-click navigating from the main Contract Material Quantities tab to the Line Item Quantities tab, a small blue arrow indicator displays next to the Material selected to distinguish it from other Materials listed for the selected Line Item.
- Materials marked as Incidental on the Contract Bill of Materials will now have payment quantities calculated from estimate data. This allows the normal comparison against received and accepted quantities. On the Detail tab in Review Project Certification, these records will be marked as Source Type “I” records, with a Source ID of the estimate number.
- Adjusted the Review Project Certification window to allow users who can update Project Certification to also have the ability to regenerate the data using either the MSG Version for each material on CBOM or the MSG Version associated with each Source record.
- On the main Contract Material Quantities tab, rearranged the column order to display the most pertinent information towards the left side of the window. Additionally, a Material Type filter field was added to enhance analysis and review of a Contract’s data.
- Improved the window security to ensure updates for a contract can only be made by authorized M&T users and users assigned to that contract’s office location.
- On the Display Options pop-up window, the Discrepancies (at LI Level) Type choice previously labeled as “None” has been renamed to “All”.

QUERY TOOL – CONTRACT BILL OF MATERIALS

- Added the Incidental Material field.

QUERY TOOL – MASTER BILL OF MATERIALS

- Added the Incidental Material field.

QUERY TOOL – MATERIAL RECEIPTS

- Corrected a problem with the query tool to allow retrieval of data with Alternate ID Type of “GRDR”.

STANDARD REPORTS – CONTRACT BILL OF MATERIALS REPORT

- Added the Incidental Material field to the report.

STANDARD REPORTS – CONTRACT MATERIALS DISCREPANCY REPORT

- This report has been removed from the system as all of its information can be displayed/retrieved within the Project Certification module.

STANDARD REPORTS – CONTRACT MATERIALS WITH LINE ITEMS REPORT

- This report has been removed from the system as all of its information can be displayed/retrieved within the Project Certification module.

STANDARD REPORTS – CONTRACT QUANTITIES STATISTICS REPORT

- This report has been removed from the system as all of its information can be displayed/retrieved within the Project Certification module.

STANDARD REPORTS – DENSITY OTHER SUMMARY REPORT

- Modified the Material filter to be Category/Subcategory. The report itself has also been modified to display the Material Category/Subcategory

REFERENCES – REVIEW ASPHALT MIX DESIGN

- Modified the window to allow the user to designate the AMD Year value. Previously, the system auto-generated the year based on the current date, but the Asphalt Lab and Pavement Construction Section requested control of the year designation. Mixes beginning with the year “10” (for 2010) will fall under the new lower gyrations specifications levels. The system will continue to assign the 3-digit sequential number within the chosen AMD Year.
- The printed Asphalt Mix Design report has been adjusted to display the Asphalt Design Engineer title, staff name and signature.

REFERENCES – REVIEW JOB MIX FORMULA

- The printed Job Mix Formula report has been adjusted to display the Asphalt Design Engineer title, staff name and signature.

REFERENCES – MASTER BILL OF MATERIALS

- Added an Incidental Materials indicator to allow designation of materials that are to be tracked for Received and Accepted quantities but where payment of the material is not directly made via Ticket or Pay Record. These materials will no longer show as payment discrepancies in Project Certification/Audit Materials.

REFERENCES – MINIMUM SAMPLING GUIDE

- Added notifications to Resident Engineers, Assistant Resident Engineers, M&T Records Section Specialist when corrected versions of an MSG Material Type have been applied to their contracts.

ADMIN – CODES TABLES

- A new AMD/JMF Years code table was created to support the new functionality that allows authorized users to select the year designation on an Asphalt Mix Design.

ADMIN – NOTIFICATION SETUP

- A new “Incidental Material Changed” notification has been created to alert the M&T Records Section Specialist anytime one of the contracts assigned to them has the Incidental Material checkbox adjusted on a Contract Bill of Materials record.
- Two new “Pay Adjustment Forward” notifications have been created for the new Other Density Conventional and Other Density Nuclear PARs.

TOOLS - NOTIFICATIONS

- Corrected the notifications for Failing Materials (e.g., Samples, Densities) to be displayed in red envelopes to provide additional visual hint that action is required.

Application Modifications and Enhancements – Vendor V8.0

DOH VENDOR – GENERAL OVERVIEW OF THE RELEASE

- No changes were made to the DOH Vendor system in the 8.0 release.