

BMS2 Release Notes

[Detailed BMS2 Release Notes](#)

Release BMS2 Version 5.52.1 (AMS Release 75.1) (12/16/2021)

1. A server upgrade occurred. No user interface changes were implemented.

Release BMS2 Version 5.52 (AMS Release 75 and iForms 5.19.1) (11/9/2021)

1. On the BPR screen, removed the “loading” cause tag.
2. Resolved a bug that was rotating pictures within a BPR.
3. Resolved a bug that was reordering comments within Items BP07 through BP10.
4. Improved the visual layout of the BPR screen when comments exceed the normal screen width.
5. Added the ability to have special characters within a photo caption on the BPR screen.
6. Updated the tables used by the scour calculator for scenarios when Item IN04 = 6.
7. Revised the logic for the calculation of Item 7A10 based on Items 7A01, 7A07, 7A08 and 7A09.
8. Added Item 7A08 for element type inspections.
9. Added the display of Item VP05 to the posting screen.
10. Revised the labels and coding options of Items 6B35, 6B36 and 6B37 to refer to “Coatings.”
11. On the Structure home page, added the name of the user to created by and last updated by user keys.
12. Removed the requirement to select multiple criteria for the Scour Plan of Action report to run.
13. Improved the document linking process when multiple predecessor structures exist.

Release BMS2 Version 5.51 (AMS Release 74 and iForms 5.19.0) (9/9/2021)

1. Resolved a bug that did not allow validations that used a “#” symbol in the programming logic to be validated during creation.
2. Changed the Key Field Comparison to update Item 4A09 when an inspection is uploaded from iForms.
3. Resolved a bug that did not allow documents uploaded to BMS2 before the migration from EDMS to ECS to be added to the Inspection Report Generator.
4. Resolved a bug that would delay changes being made in BMS2 to be displayed after hitting save.
5. Performed a systemwide clean-up of values exceeding FHWA limits for Items 4A22, 4A23 and 4A24. Added additional data validations on these fields as well.
6. Resolved a bug that was not updating the units for Item IM18 in BMS2.
7. Resolved a bug that was returning a white screen when users were attempting to assign business partners in bulk.
8. Removed the ability to set Item IM06 to a future date.
9. Resolved a bug that was not always calculating the character count for Item IM15a in BMS2 Web the same as in iForms.
10. Changed the label of Items VW30 and VS27 to Item 5B18 in BMS2 Web and the corresponding D491 Reports.
11. Improved the display of text throughout D-491 reports and added missing items.
12. Added a Sign Inspection, Wall Inspection, and Wall Inventory D-491 Reports.
13. Replaced the “Save” button with an “Exit” button on the Bridge Problem Report landing screen.

14. Resolved a bug which did not allow users to print from BMS2.
15. Modified the list of maintenance item activities that will come back in “4-Review Required” status after being closed out in SAP.
16. Changed permissions within iForms to allow usernames longer than 12 characters.
17. Resolved a bug that told the users they needed to save on Form B when it was not required.
18. Removed the display of Item 4A09 from iForms.

Release BMS2 Version 5.50 (AMS Release 73) (7/13/2021)

1. Automated the calculation of the Item 7A08 Last Inspection Dates in BMS2.
2. Removed unwanted pop-up boxes that were indicating the user must leave or cancel changes when neither was required to proceed.
3. Resolved a bug that was improperly calculating Items 4B05 and 4B07 on bridges with rating factors.
4. Resolved a bug that would only display the first 350 validations messages in BMS2.
5. Automated the “Culvert w/Bottom?” checkbox during the create structure process.
6. Modified the create structure process to not check the Item 7A06 Element Performed and Item 7A04 Review Required checkboxes when creating a new structure.
7. Updated the procedure for Item 7A19 Extended Inspection Interval Eligibility to exclude all stone masonry structures.
8. Resolved a bug that defaulted Item 4A14 Bridge Condition to a blank value when a structure is created.
9. Resolved a bug that limited the ability to assign business partners to a bridge in BMS2.
10. Resolved a bug that created duplicate Scour Critical Plan of Actions in BMS2.
11. A bug that was not updating some of the 5B fields based off the corresponding PennDOT coding fields has been resolved.
12. The justification of the bulletin board messages when users view from the Bulletin Board screen when logged into BMS2 has been resolved.
13. Resolved unwanted lines from appearing on Report A and Report H within iForms (D450's).
14. Resolved a bug that was causing a validation error when using percentage mode on Form E.
15. Resolved a bug that allowed the element environment to be different for parent and child elements.
16. Improved the joints and bearings individual note fields on Form B.
17. The checkbox that was appearing on the validation pop-up box during an iForms submission has been removed.
18. A bug that was causing Item 5C06 Route Suffix to not populate in iForms Form A and Report A has been resolved.

Release BMS2 Version 5.49 (AMS Release 71) (6/22/2021)

1. Migrated from the WAS9 to JBOSS server.

Release BMS2 Version 5.48 (Data Integrity Maintenance Release 3.2 and iForms Version 5.18.0) (5/18/2021)

1. Added additional coding options for Preservation and Rehab screen Fields VB02 – Work Scope (TAMP) and VB03 – Work Type (BAMS).

2. Added fields VB42a and VB42b on the Preservation and Rehab screen.
3. Created an audit trail on the Preservation and Rehab screen to record when changes are made and by whom.
4. Within the Bridge Problem Report screen, added BPR causes "Seismic" and "Other".
5. Approved BPRs will automatically be added to the Documents screen in BMS2.
6. Made it required to click "import" and have at least one photo with an associated caption for every BPR.
7. The BPR table in the Oracle Database has been cleaned up to remove unused columns.
8. Revised the columns displayed on the BPR screen to provide better information to the user.
9. When a previously finalized BPR is returned to draft status, Field BP06 – Finalized By is cleared out.
10. Added the ability to limit Business Partner access based on Local ECMS contracts.
11. Character counts have been added to text fields on the Inspection Report Generator.
12. Fixed the functionality that was not allowing older EDMS documents to work with the Inspection Report Generator.
13. The Inspection Summary generated as part of the Standard Inspection Report has been modified to improve the general layout.
14. The issue causing duplicate automated Scour POAs to be created has been resolved.
15. Limited the ability to upload the PDF report from iForms based on the status of the inspection.
16. On Form B, the expansion joint comment box and bearing comment box on the Deck & Superstructure tab has been made read-only.

Release of iForms Version 5.17.2 (4/15/2021)

1. Deployed a mandatory release of iForms to resolve previous issues. All users must upgrade to Version 5.17.2.

Release of iForms Version 5.17.1 (4/7/2021)

1. Deployed a mandatory release of iForms to ensure users upgrade for the changes deployed in version 5.17.0.

Release BMS2 Version 5.47 (AMS Release 70 and iForms Version 5.17.0) (4/1/2021)

1. Revised the Extended Interval procedure for Item 7A19 in BMS2 and iForms.
2. Revised the Extended Interval procedure for Non-NBIS length eligible structures to match the NBIS length criteria except for timeliness between inspections.
3. Reverted the display of Item 6C21 to the nearest hundredth.
4. Changed the procedure to run the scour calculator if IU04b is checked and a new subunit is added to the underwater screen.
5. Resolved a bug that was not properly recording the date changes for Item IM05b.
6. Revised the character count of wall defects within BMS2 to match iForms (up to 255 characters).
7. Added functionality to screens in BMS2 to alert a user if changes were made and not saved when navigating to a new screen.
8. Revised the create structure process to add FHWA as a business partner for highway NBIS-length bridges.
9. Revised the translation between CRGIS and BMS2 for Item 5E04.

10. Improved the display of team leaders and the agency they represent for consistency in BMS2, iForms and D491 reports.
11. Added functionality to BMS2 for the duplication of a BRKEY.
12. Resolved a bug that stopped Validation #375 from running in iForms.
13. Resolved an issue where the "Drift" notes with the iForms Reports (D450J) was being cut off and not completely displayed.
14. Improved the downloading of documents via iForms.

Release BMS2 Version 5.46 (Data Integrity 2020 Maintenance Release and iForms Version 5.16.1)
(2/24/2021)

1. Scour Critical Plan of Action reports have been automated to run the day after a scour critical bridge inspection record is moved to "Accepted" status.
2. A new screen, Bridge Problem Report, has been created to standardize the creation and submission of reports through the Bridge Inspection Section to the Deputy Secretary. This screen is only visible to Department users.
3. Existing Bridge Problem Reports have been assigned a number and have been migrated to the Bridge Problem Report screen.
4. The duration that specific condition ratings have been in their current state have been added to specific fields on the Ratings & Schedule screen as well as the Agency Inspection screen and the corresponding locations in iForms.
5. A report generator has been created in iForms to generate and/or submit PDF reports of the D450's with greater ease during the iForms submission process to BMS2.

** BMS2 Version 5.45 was intentionally skipped **

Release BMS2 Version 5.44 (AMS Release 69 and iForms Version 5.16) (12/15/2020)

1. Within BMS2 and the Feature Intersected D491 Report, restricted Item FW11 to the tenth place to match Publication 100A guidance.
 - a. An unintended consequence of this correction was restricting the display of Items 6C21 and FR11 to the tenth instead of the hundredth. The data is still being stored to the hundredth in the database. The display issue will be resolved with the next release in early 2021.
2. Resolved an issue where the Ratings & Schedule screen would return an application exception if a previous inspection record was missing an IN15 value.
3. Resolved a bug that was causing validation issues when Item 5C29 was involved.
4. Corrected the conversion of Item 5B02 for a coding of P and Q when exported to the NBI submission file.
5. Resolved a bug that was restricting some bridges from being displayed on the NBE submission file.
6. Added the display of LBI specific comments to the structure home page for L2 and L3 group structures.
7. Resolved a bug that was limiting SPEL configured validations from working within iForms.
8. Made improvements to the download documents function in iForms. Additional improvements scheduled for the next AMS release.

9. Added labels to Form and Report K related to Item IR19 and reformatted the rating table headers on the report.
10. Corrected spelling errors of the word “structural” when a condition rating of “5” is displayed on an iForms report.

Release BMS2 Version 5.43 (Data Integrity 2020 Release 3) (12/2/2020)

1. Created an Inspection Report Generator screen within BMS2 to reduce the effort required to create a new inspection report for each inspection and establish the minimum required components of an inspection report.
 - a. Note – only documents uploaded to ECS since the transition from EDMS to ECS earlier this year (March 15, 2020) will work for the “Add from ECS” function.
2. Updated the Scour Critical Plan of Action to include more bridge specific information, contact information, and a monitoring log section.
3. Created a User Preferences screen to provide users with a location to modify email notification preferences (state users only) and a location to record bridge inspection training certifications and qualifications.
4. Created the [Preservation and Rehab](#) screen to track significant work completed on bridges via projects.

Release BMS2 Version 5.42 (AMS Release 68 and iForms Version 5.14.1) (10/20/2020)

1. Corrected an issue within iForms (Form and Report B) that did not display the condition rating for IU01 and IB01 if no bearing or joint records existed on the bridge.
2. Updated the automation of IN14 = 2 – Alluvium when IN13 = R – Footing on Bedrock (Erodibility Undetermined). This included a script to reset the values in database but NOT a recalculate all for the scour calculator. A second script set Item 4A08 = N, removed the values from IU04 and deleted subunits from the underwater screen for bridges not over water.
3. Added the controlling Item IN15 – Streambed Material to the key field comparison.
4. The scour calculator ordering of controlling values was updated in iForms to return a 7 before a 5, similar to the calculation steps in BMS2.
5. Corrected a bug which prevented new validations from being added to BMS2.
6. Added the ability to link combined structure plan and/or addendum plan sets from ECS to BMS2 within the Documents screen.
7. Removed the display of Items IU08, IU09 and IU10 from BMS2, iForms and D491 reports because the fields are no longer used (historical data is still being maintained within the database).
8. Corrected an issue where Item 6B23 was not being displayed on the D491 Reports.
9. Corrected the labeling of Item IL08 within BMS2, iForms and D491 reports to be consistently labeled as “High Water Notes”.
10. Corrected a bug on the fracture critical screen within BMS2 and Form F within iForms that did not allow inspectors to update certain members with similar data on the same bridge.
11. Corrected an issue where Chrome would time out when uploading large files to the Documents screen.
12. Corrected an issue where Item 5B08 was not properly updating based on the value of Item 6C25.
13. Corrected an issue where Item 5C28 was not being properly calculated based on other roadway information coming from RMS.
14. Added the ability to search for bridges based on Item 5A24 on the search screen of BMS2.

15. Corrected an issue when inspectors would copy data into Item ID08 in both BMS2 and iForms.
16. Corrected an issue where users could delete joint and bearing records of an accepted inspection within iForms.

Release BMS2 Version 5.40 (AMS Release 67 and iForms Version 5.13.1) (7/29/2020)

1. Corrected an issue on the validation configuration screen where existing validations were becoming inactive after saving changes to them.
2. Corrected an issue with Google Chrome browser where the Documents screen was going white after attempting to upload a document.
3. Corrected an issue where power users were not able to make changes to proposed maintenance data fields for items that are in “3-Work Sent to SAP” status.
4. Improved error messaging on proposed maintenance screen.
5. Revised the Technical Support Process on the BMS2/iForms Technical Support Screen.
6. Corrected an issue where the “Last Updated” and “Last Updated By” fields were not consistently getting updated when fields were updated on various screens.
7. Added criteria to the calculation of the 7A19 Extended Inspection Interval Eligibility field for non-NBIS length bridges.
8. Executed a script to populate the 7A19 and 7A20 fields on all non-NBIS length bridges.
9. Added checks to the submittal process in iForms to determine if bridges are no longer eligible for extended frequency based on changes to conditions.
10. Fixed a bug where items IS06 and IS07 were not displaying properly on Report S.
11. Added a label to the ID08 field on Form A and Report A.
12. Added a label to the cheekwall notes on Form D.

Release BMS2 Version 5.39 (Data Integrity 2020 Release 2 and iForms Version 5.13) (7/16/2020)

1. Corrected an issue with the population of the tonnages (IR10/11/11a) and rating factors (IR20/21) based on the IR04 - Load Type and IR06 – Rating Method.
2. Corrected an issue where 4B fields were not populating correctly based on rating method type.
3. Added character counts to fields SG05 in BMS2 and 6B15 in iForms.
4. Added [Field 7A05a – Inspection Organization](#) that indicates the organization the team leader for a given inspection is a part of.
5. Added more functionality to the Business Partner Assignment screen.
6. Created the “Joints and Bearing” screen in BMS2 and modified iForms Form and Report B to allow for the inventory and inspection of bridge [joints](#) and [bearings](#).
7. Added spring expression programming logic functionality to the validation’s configuration screen.
8. Revised M1 report to incorporate extended and reduced interval policy.

Release BMS2 Version 5.38 (AMS Release 65 and iForms Version 5.12) (4/27/2020)

1. Corrected an issue that restricted business partners from adding “Inventory Documents” to the Documents screen in BMS2.
2. Fixed a bug that was storing Field IM09 in the wrong column in the DB2 query environment.
3. Fixed a bug that caused the T_LINKED_STRUCTURE table to not be populated for new links.

4. Added the ability to enter rating factors instead of tonnages based on the rating method during the Create Structure process per SOL 495-20-01.
5. Restored the ability to create the NBI Submittal file within BMS2 by Central Office.
6. Added the display of Fields IR20 and IR21 to Form and Report K as well as the Load Rating D491 report via BMS2.
7. Corrected an issue that stopped the ability to copy elements on Form E from one span to another.
8. Updated Report E and D491's to match the functionality of Form E regarding the unit of measure for each element.

Release BMS2 Version 5.37 (EDMS to ECS Migration) (3/15/2020)

1. PennDOT's Electronic Document Management System (EDMS) was upgraded to a new system, Enterprise Content Services (ECS).
2. EDMS Documents screen renamed to "Documents".

Release BMS2 Version 5.36 (Data Integrity 2020 Release 1 and iForms Version 5.11) (2/24/2020)

1. A read-only bulletin board has been created within BMS2 for viewing messages in addition to the scrolling message board.
2. Added functionality to the EDMS Documents screen to allow document restrictions based on user profiles.
3. Revised the naming of Items 7A19 and 7A20 to "Interval" in place of "Frequency" within BMS2, iForms, and D-491 Reports.
4. Removed the ability of planning partners to modify structure units.
5. Character counts have been added to most narrative fields in BMS2 and iForms.
6. Comment types on the Notes & Comment screen will now stop users from entering more than the maximum comment length.
7. The field label for Item 2A02 on Form/Report S and Form/Report W has been added.
8. Corrected bug when attempting to add a Second Business Partner

Release BMS2 Version 5.35 (AMS Release 66 and iForms Version 5.10) (2/13/2020)

1. The purpose of this release was to resolve issues discovered after the AMS 62.30 release went into production on February 3, 2020.
2. Reprogrammed BMS2 to set Field IN14 = 1 when Field IN13 = R on the Underwater Screen (matches the functionality of iForms).
3. On all substructure units where Field IN13 = R, set Field IN14 = 1 as a one-time fix.
4. Installed the previous scour calculator logic from before Release 62.30 on February 3, 2020.
5. Recalculated all IU04 values after the completion of correcting the IN13/IN14 mismatch.

Release BMS2 Version 5.33 (AMS Release 62.30 and iForms Version 5.10) (2/3/2020)

1. Resolved a bug on the Proposed Maintenance screen that limited the ability of users to create a new proposed maintenance item in BMS2.
2. Added Item [7A19 – Extended Inspection Interval Eligibility](#) and Item [7A20 – Extended Inspection Interval Concurrence](#) to the Ratings & Schedule screen in BMS2 and Form/Report P within iForms. Formal changes will be announced in a forthcoming SOL for incorporation into [Publication 100A](#).

3. Fixed a bug with BMS2 and *iForms* that would not display elements on structures without certain structure types.
4. Items 6C22 & 6C23 – Minimum Vertical Clearance over 10 FT Width (Defense Highways) for the Left and Right Roadways has been made a required field within BMS2.
5. The default value for Item 5C29 – NHS indicator has been set to 0 – Not NHS when a new feature is created.
6. When a bridge is created via the *Create Structure Applet* within BMS2, the Item 7A06 NBI Box will be unchecked.
7. Added the functionality to BMS2 to separate the automation for Item 4A08 – Scour Critical Bridge Indicator based on owner type (5A21) and NBIS indicator (5E01).
8. ~~The coding of Item IN14 – OSA Foundation Type has been changed from a “1” to a “2” when Item IN13 – PA Foundation Type is set to “R”. (Superseded by Release 66)~~
9. Reordered the level of criticality for Item IU04 – Overall SCBI to return a “7” before a “5” if a bridge has both values for Item IU27 – SCBI Code (at the individual substructure).
10. Created validations 206, 364, and 365 to check for compliance with SOL 495-20-01 for Assigned Load Ratings.
11. Created validations 355-360, and 362-363 for extended interval inspection.

Release BMS2 Version 5.32 (AMS Release 62.20 and *iForms* Version 5.9.1) (1/6/2020)

1. Resolved a bug where Item 6A19 – Business Plan Network (BPN) was not updating correctly in some cases based on Item 5C35 – Roadway BPN.
2. Resolved a bug where Item 4A09 – Structural Evaluation was not updating correctly in some cases when inputs to the calculation changed.
3. The error message when Item IM08 – Target Year is invalid and a user attempts to submit the maintenance item from BMS2 to SAP has been updated.
4. A manual override has been given to BMS2 Power Users to change the Item IM07 – Status of proposed maintenance items left in status “3 – Sent to SAP”.
5. Created additional error messages for the “Submit to SAP” process to provide clarifications to the user on the cause of the error.
6. Modified *iForms* and the service that talks with BMS2 to allow for more validations to be coded for *iForms*.
7. Modified *iForms* to allow validation “Warnings” to be displayed during the *iForms* submission process.
8. Created email notifications No. 225 to No. 227 for bridges open to traffic with only a “Z – Inventory Only” inspection type and No. 228 to No. 230 for when the last overall inspection record on a bridge has been accepted.

Release BMS2 Version 5.31 (AMS Release 62.10 and *iForms* Version 5.9.0) (11/4/19)

1. Resolved a bug in BMS2 where new rating sets were being assigned to the most recent inspection without hitting “Assign Rating Set.”
2. Expanded the character count on Field 6B23 “Member – Team Helper” from 30 to 120 characters.
3. Made gender neutral changes and spelling corrections to Form and Report P.
4. Made formatting changes corrections to the NBI and NTI annual submission files.

5. Corrected completion date issue on completed maintenance items on Form M.
6. Modified email notifications No. 83 to No. 85 to only look at bridges with missing signs and no Priority 0.
7. Created email notifications No. 222 to No. 224 for bridges with damaged signs and no maintenance items.

Release BMS2 Version 5.30 (AMS Release 61.10 & 61.20 and iForms Version 5.8.0) (9/5/19)

1. Resolved a bug that incorrectly highlighted fields in the "Key Field Comparison" area of BMS2.
2. Remove the automatic data input of 24 months in Field 7A09 when Field 7A07 was checked per each compliance inspection type.
3. Corrected Field 7A07 data on the FHWA NBI submission file.
4. Created english and metric views of tables with converted data in Oracle Production Database.
5. Created email notifications for tunnels, similar to bridges within BMS2 for Department users.
6. Upgraded Forms C, H and J to the new WPF format, similar to Forms E, F, M and N.
7. Repaired the XML export function within iForms.

Release BMS2 Version 5.29 (AMS Release 60 and iForms Version 5.7.0) (8/15/19)

1. Migrated from the WAS7 to WAS9 server.
2. Moved to the new BMS2 websites:
 - a. Internal (PennDOT): <https://www.bmsint.penndot.gov/BMS2Web/>
 - b. External: <https://www.bms.penndot.gov/BMS2Web/>
3. New version of iForms to redirect to the new BMS2 websites.

Release BMS2 Version 5.29 (AMS Release 58.30 and iForms Version 5.6.0) (4/8/19)

1. The data stored within the database for the 7A07 fields has been standardized.
2. Resolved a bug with the display of the "date picker" button on various BMS2 screens.
3. Removed the requirement for a detour length greater than "0" for an "on feature" within the Create Structure App. Revised the internal validation in BMS2 web.
4. A rounding issue with Fields SL06, SL07, SL08 and SL09 has been corrected.
5. Added the ability to delete comments that were entered to address validation "warnings".
6. Newer Fields 5E05 and IM05b have been added to the DB2 query environment.
7. Added email notifications to notify the user when posting statuses change.
8. A bug which stopped the upload of inspection data from iForms because of unique characters has been resolved.
9. Revised Form F to match the appearance of Form M and other new forms.
10. Form F now allows multiple fracture critical details to be recorded on the same span and member type.

Release BMS2 Version 5.28 (AMS Release 58.20 and iForms Version 5.5.0) (3/4/19)

1. Added a new field, [5A24 – Reporting Group](#), that adds the ability to specify groups of bridges that validations should be run on.
2. Updated the scour critical bridge map crystal report in BMS2 and the enterprise server.
3. Added internal validations to fields IM08 and IM11 to allow the user to correct data prior to attempting to submit the maintenance items to SAP.

4. Made Field IM07 read-only when the status “3 – Work Sent to SAP.”
5. Fixed a bug that was incorrectly highlighting maintenance items prematurely.
6. Fixed a bug that gave browser-access the ability to edit the proposed maintenance screen in BMS2.
7. Fixed a bug on Field 5C21 where a user was not able to save the value “Not Applicable.”
8. Fixed an issue with the risk scores generated by the Risk Assessment Search Screen in BMS2 for Local Bridges.
9. Fixed a bug where the IM15b, IM15c, IM15d and IM15e narrative fields were being overwritten when a maintenance item was modified in *iForms* and uploaded to BMS2.
10. Fixed the functionality between IR01a and IR01b when new inspections are created in *iForms*.

Release BMS2 Version 5.27 (AMS Release 58.10) (1/14/19)

1. Fixed a bug on the “Key Field Comparison Since Last Accepted Inspection” that highlighted 4A08b on every new inspection record.
2. Added the follow-up frequency to the “Subscribe to Notifications” screen in BMS2.
3. Filtered available inspection comment types in BMS2 based on the Service Type On to match the functionality of BMS2.
4. Fixed a scroll bar display issue on the Ratings & Schedule Screen in BMS2.
5. Changed the default map on the PennDOT OneMap BMS2 link to the bridge starter map.

Release BMS2 Version 5.26 (AMS Release 57.30) (12/3/18)

1. Updated the logic for Field 5B01 to correctly code for non-composite adjacent box beam structures.
2. Updated the default Field 6C34 value created during the “Create Structure” process.
3. Updated the “Create Structure” process to require a posting status be inputted.
4. Modified the fields that are populated automatically when a new feature is added to a structure depending on the Field 6C34 type.
5. Added the ability to add comments to individual “Warning” validations in BMS2.
6. Added the ability to manually refresh the status of individual email notifications rather than waiting until the next scheduled run.
7. Fixed formatting and added additional fields to the D491 Reports in BMS2.
8. Adjusted the formatting issue for notes and comment boxes when BMS2 is viewed by a user with “Browser” access.

Release BMS2 Version 5.25 (AMS Release 57.20) and *iForms* Version 5.4.2 (10/29/18)

1. Created a new feature type “4 – Other,” for features that are not highways, railroads or waterways.
2. Changed the feature name of “1 – Roadway” to “1 – Highway.”
3. Updated the calculation formula for Fields 4A15 through 4A17 to accommodate the new feature type, “4 – Other.”
4. Created a read-only Validation Configuration pop-up box to display the coding logic of the validations.
5. Fixed a bug that caused Field 5C35 to not be displayed on the features screen.
6. Fixed formatting and added additional fields to the D491 Reports in BMS2.

7. Fixed a bug that caused *iForms* to crash when attempting to copy/append pier data from one pier to another.
8. Added the ability to type in specific BRKEYs to be downloaded in *iForms*.
9. Fixed a bug where users had trouble using the "Submit Later" feature on multiple bridges at one time in *iForms*.
10. Fixed a bug associated with Field IM01 not displaying "Bridge" maintenance items correctly in *iForms*.
11. Updated what happens after a comment box is saved in *iForms* (box collapses).
12. Fixed a bug where comment types available on Form N were not matching the structure type.
13. Fixed leading/trailing zero formatting issue in the annual FHWA submittal.
14. Fixed inspection dates and frequency logic in the annual FHWA submittal.
15. Fixed logic for which under features should be excluded in the annual FHWA submittal.

Release BMS2 Version 5.24 (AMS Release 57.10) and *iForms* Version 5.4.1 (9/27/18)

1. Filtered maintenance actions in Field IM03 based on Field 5A17.
2. Added tunnel inventory fields D.1 – Routine Target Inspection Date and D.4 – In-Depth Inspection Scheduled? to the Inventory – Tunnel screen as well as Form and Report T.
3. Resolved a coding issue with Field 5C23 for under features with one (1) lane.
4. Required every proposed maintenance item to have a quantity greater than zero (0).
5. Restricted the ability of a maintenance item to be moved backwards from status 3 – Sent to SAP in *iForms*.
6. Corrected a bug that printed Report T for all structures types in *iForms*.
7. Added the Damage Inspection Note to Report P (was previously added to Form P).
8. Added comment types to Form and Report N for Miscellaneous Structure types.
9. Corrected a bug that failed to load IM05b to the DB2 database for PennDOT users.

Release BMS2 Version 5.23 (AMS Release 57.05) (9/10/18)

1. Revised Field IM07 to allow the status to be adjusted in BMS2, regardless of the status.
2. Fixed a bug that did not allow Field IM07 to be changed to "D – Deferred" in BMS2.

Prior changes have been incorporated into Publication 100A. If you need additional information, please reach out to the BMS2 Manager at Central Office (mwinslow@pa.gov).