Grade Crossing Inventory System (GCIS)
Release v2.3.0.0 (01/15/16)
Release Notes

This document is intended for Railroad, Transit, and State users. The following items will be released on Friday, January 15, 2016:

1. **Online Form (Web User Interface (UI))**

   a. Homepage "Pending Crossing Records" table: An additional column for "State" will be added after the "Primary Operating Railroad" column to display the State abbreviation for each crossing.

   b. Overdue Summary Report, Days Overdue Report, and the Agency Report:

      i. Will be made available to Railroad users, for informational purposes only

      ii. Overdue Summary Report and Days Overdue Report will only return at-grade crossings that are open

   c. User Registration Page: The question mark image, directly next to the "Email Address (Username)" text field, will be present and will display the following message when clicked:

      i. The email address must be unique and can only be used once during the registration process. A different email address must be used when requesting a separate account.

   d. Header Box C. Reason for Update: When "Closed" is selected for Header Box C. Reason for Update, users will have the ability to perform updates for the following fields:

      i. Railroad Users: Part I.30.A. – D. Railroad Use and I.32.A Narrative

      ii. State Users: Part I.31.A. – D. State Use and I.32.B Narrative

   e. Part III.4.C. Highway Traffic Signal Preemption: The "d" will be removed from "Advanced."

   f. Part III.6. Highway Monitoring Device: An "s" will be added to "Device."

   g. Parts II.4 – II.6 are no longer required when the "No Train Traffic" is selected for Header Box C. Reason for Update. However, the system will continue to perform single field validation for data that is provided in these fields.

   h. Part IV.6. Intersecting Roadway within 500 feet? If Yes, Approximate Distance (feet): Will now allow a numeric value from 1 to 500 to be entered. If No, Approximate Distance (feet): Will now allow a numeric value from 501 to 2500 to be entered.

   i. File Upload: The file size will be limited to 3 MB when uploading a file.
   Note: A file with 3 MB of crossing data can accommodate up to about 3,000 crossing records.

   j. File Upload: When Downloads is selected from the sub-menu, users will have the ability to Submit a Download Request to download all crossings records for their agency into a FRA Approved Excel Template. The request will be processed overnight. When the download is ready, the Download button will be enabled, allowing users to access a zip file containing their crossing records.

2. **FRA Approved Excel Template (used for the File Upload feature)**

    a. The lookup value that populates the drop-down lists will be updated to reference a named range rather than a range of cells to address Excel 2007 users who are currently experiencing this software limitation.

    Note: The change will not impact any users using Microsoft Excel 2010 or newer.

3. **Data Validation**

    a. System will no longer validate crossing updates submitted by State users, except for the following fields:

        i. Header A. – D.

        ii. Part I.2. State

        iii. Part I.3. County

        iv. Part I.4. City (In/Near)

        v. Part I.5. Street/Road Name

        vi. Part I.6. Highway Type & No

    Leaving a non-required field blank will no longer trigger a validation error. However, the system will still perform single field validations for data that is provided for any fields that are not required.

    b. Parts III – V: The system will no longer validate crossing updates provided by Railroad/Transit users. Leaving a non-required field blank will no longer trigger a validation error. However, the system will still perform single field validations for data that is provided for any fields that are not required.

4. **Public & Secure API**

    a. Field III.3.B. Gate Configuration Type (GateConfType) will be added to the GET request.

    b. Field I.15. Parent RR (RrMain) will be added to the Railroad GET request.

    c. Header B. Reporting Agency (ReportingAgencyTypeID) will be added to the Crossings GET request.

5. **Documentation Inventory**

The table below lists all current versions of documents located in the GCIS:

Document Name	Version	Last Updated Date
GCIS Web User Guide v2.3.0.0 Rel 01-15-2016	4.0	01/15/2016
GCIS Data Dictionary External Use v2.3.0.0 Rel 01-15-2016	3.0	01/15/2016
GCIS Data Migration Strategy v2.3.0.0 Rel 01-15-2016	3.0	01/15/2016

Document Name	Version	Last Updated Date
GCIS Electronic Submissions Instructions v2.3.0.0 Rel 01-15-2016	4.0	01/15/2016
Grade Crossing Inventory Form Template RR_Data_Only v2.3.0.0 Rel 01-15-2016	3.0	01/15/2016
Grade Crossing Inventory Form Template RR_Full_Inventory_Record v2.3.0.0 Rel 01-15-2016	3.0	01/15/2016
Grade Crossing Inventory Form Template State v2.3.0.0 Rel 01-15-2016	3.0	01/15/2016

6. **Documentation Change**

    a. GCIS Data Dictionary for External Use:

        i. On page 9, under the Description column, the row for III.6 Highway Monitoring Device, "s" will be added to "Device."

        ii. On page 9, under the Description column, the row for III.4.C Highway Traffic Signal Preemption, "d" will be removed from "Advanced."

        iii. On page 15, under the Type column, the row for IV.6 HwynDist will be updated to the following:

        Numeric (4,0)

    b. GCIS Data Migration Strategy:

        i. On page 16, under the Description column, the row for III.6 Highway Monitoring Devices will be updated to include "s" in "Device."

        ii. On page 19, under the Migration Strategy column, the row for HWYNEAR was updated to reflect 4=NA was migrated to No.

    c. FRA Instructions for Electronic Submission of U.S. DOT Crossing Inventory Data:

        i. Appendix A, under the Update Provided By column, the row for Part I.1 Primary Operating Railroad, the text "State &" will be removed.

        ii. Appendix A, under the Description column, the row for I.2 State Code, "Numeric Code" will be removed.

        iii. Appendix A, under the Single-field Data Validation Rules column, the row for I.2 State Code, "Abbreviation or" will be added.

        iv. Appendix A, under the Description column, the row for I.3 County Code, "Numeric Code" will be removed.

        v. Appendix A, under the Single-field Data Validation Rules column, the row for I.3 County Code, "Name or" will be added.

        vi. Appendix A, under the Description column, the row for I.4 City Code, "Numeric Code" will be removed.

vii. Appendix A, under the Single-field Data Validation Rules column, the row for I.4 City Code, "Name or" will be added.

viii. Appendix A, under the Single-field Data Validation Rules column, the row for III.4.C Highway Traffic Signal Preemption, "d" will be removed from "Advanced."

ix. Appendix A, under the Description column, the row for III.6 Highway Monitoring Device, "s" will be added to "Device."

x. Appendix A, under the Field Size column, the row for IV.6 HwyNear, If Yes, Approximate Distance (feet) will be updated to 4.

xi. Appendix A, under the Single-field Data Validation Rules column, the row for IV.6 HwyNear, If Yes, Approximate Distance (feet) will be updated as follows:

If Yes, Valid value: 1-500
If No, Valid value: 501-2500

xii. Appendix B-1, under the Description column, the row for I.2 State Code, "Numeric Code" will be removed

xiii. Appendix B-1, under the Single-field Data Validation Rules column, the row for I.2 State Code, "Abbreviation or" will be added.

xiv. Appendix B-1, under the Description column, the row for I.3 County Code, "Numeric Code" will be removed.

xv. Appendix B-1, under the Single-field Data Validation Rules column, the row for I.3 County Code, "Name or" will be added.

xvi. Appendix B-1, under the Description column, the row for I.4 City Code, "Numeric Code" will be removed.

xvii. Appendix B-1, under the Single-field Data Validation Rules column, the row for I.4 City Code, "Name or" will be added.

xviii. Appendix B-1, under the Cross-field Data Validation Rules column, the row for I.17 Crossing Type will be updated as follows:

If Crossing Type (TYPEXING) is '3' (Public), Position of a Crossing (POSXING) is '1' (At Grade), and Crossing Purpose (XPURPOSE) is '1' (Highway), then Parts I – II data items must be specified (except for I.20).

If Crossing Type (TYPEXING) is '2' (Private), then Parts I – II data items must be specified.

xix. Appendix B-1, under the Single-field Data Validation Rules column, the row for III.4.C Highway Traffic Signal Preemption, "d" will be removed from "Advanced."

xx. Appendix B-1, under the Description column, the row for III.6 Highway Monitoring Device, "s" will be added to "Device."

xxi.   Appendix B-1, under the Cross-field Data Validation Rules, the row for IV.6 HwyNear, Intersecting Roadway within 500 feet, will be updated to include the following:

If Approximate Interesecting Roadway Distance (HWYNDIST) is greater than 501, then Intersecting Roadway within 500 feet (HWYNEAR) code must be 2 (NO).

xxii.   Appendix B-1, the row for IV.6 HwynDist, If Yes, Approximate Distance (feet) will be updated as follows:

- Under the Single-field Data Validation Rules column:

    If Yes, Valid Value: 1-500

    If No, Valid Value: 501-2500

- Under the Cross-field Data Validation Rules column:

    If Intersecting Roadway within 500 feet (HWYNEAR) is 1 (YES), then Approximate Intersecting Roadway Distance (HWYNDIST) must be greater than 0 and less than 501.

    If Intersecting Roadway within 500 feet (HWYNEAR) is 2 (NO), then Approximate Intersecting Roadway Distance (HWYNDIST) must be greater than 500 and less than 2501.

xxiii.   Appendix C, under the Description column, the row III.6 Highway Monitoring Device, "s" will be added to "Device."