DOCUMENTATION FOR

FMIS 5.0

Projects Module Test Plan

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Name	Position
Vijay Padmanabhan	Contractor Project Manager
Phil Troutman	ITS Project Manager

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Introduction

This document provides the test scenarios for testing the Projects module.

Points of Contact

System Owner

Elissa Konove
Chief Financial Officer
Office of the Chief Financial Officer
202-366-0622
Elissa.konove@dot.gov

ITS Project Manager

Phil Troutman
(202) 366-4669
Phil.troutman@dot.gov

ITS Program Manager

James Lieu
202-493-0104
James.lieu@dot.gov

Contractor Contact

Vijay Padmanabhan
Project Manager
Sevatec Inc.
FHWA-FITSS II Contract
202-366-0858
Vijay.Padmanabhan.CTR@dot.gov

Audience

The intended audiences of this document are Points of Contact and developers for FMIS 5.0.

Test Plan

Project List

Scenario I: Project List – All User Accessibility

This scenario tests whether a user without rights can access the Project List Screen.

Prerequisites:

1. Log in to the FMIS 5 application
2. All Update and Signature rights have been removed

ASR-PA-0101 - *(12/18/2012):* Historical, Current and Pending versions of a project may be viewed by any FMIS user.

Design Solution: FMIS users can select a project from the Project List screen and the Project Information screen (in View mode) is displayed to the user.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A Test Steps

1. elect the *Projects* menu item
2. _Y_ Verify that there is a menu item under *Projects* named *Manage Projects*
3. Select this item
4. _Y_Verify that the *Manage Projects* menu item opens the *Project List* page

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: ____

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Date: _______________ Signature: ______________________________________

Projects Information

<u>Scenario I: Project Information (View Mode) – All User Accessibility</u>

This scenario tests whether a user without rights (Update, Signature, etc) can access the Project Information Screen.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. No Signature rights at any level
4. Identified a Federal Project Number (FPN) that has a Pending, Current, and one or more Historical versions: **Alabama, ZBB4567**
5. Searched and found the aforementioned FPN, and it is listed on the Project List screen

ASR-PA-0102 - *(12/18/2012):* The user shall be allowed to view information on all versions (pending, current, and historical) of a selected project. For a given project, a complete change history showing all project versions shall be readily available. All the fields shall be read-only except for the "Version" field.

Design Solution: FMIS users can select a project from the Project List screen and the Project Information screen (in View mode) is displayed to the user. When the Project Information screen is displayed, the current or pending version will be displayed first depending on which version was selected from the Project List screen. All existing versions will be displayed in the "Version" drop down list in the first section "General Project Information". Selecting a different version from this list will change the version displayed on the page. All other fields displayed in this screen are read-only.
ASR-PA-0103 - *(12/18/2012)* The system shall divide the project information into major sections: General Project Information, Project Status Dates, Project Funding, Other Project Information, Special Project Groupings, Related Projects, Project Bridge Data, User Defined Fields, Detail Summary, Remarks, Signatures, Change Summary (Pending Only)
Design Solution: The Project Information screen will contain the sections with the fields as outlined in the above requirements. The fields corresponding to the Project Header are displayed in the Project Information tab. The Project Information screen is divided into various sections and each section can be expanded or collapsed. The Project Detail tab displays the detail records for the project in a grid (Figure 1.4). The user will be able to expand a particular detail line to view funds break-down by location.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A Test Steps

1. From the Project list click the 'View Project' image icon associated with the target FPN
2. _Y_ Verify that the Project Information screen is shown for the target FPN
3. _Y_ Verify that the Version drop-down is showing the Current (Last signed <DateTime>) as the selected version

4. Select the Pending version from the Version dropdown
5. _X_Verify that the Project Information page was refreshed with the Pending version data
6. _X_ Verify that all 12 data sections are displayed, including the Change Summary
7. _X_Verify that the Change Summary section is visible
8. Select a Historical version from the Version dropdown
9. _X_Verify that the Project Information page was refreshed with the Historical version data
10. Click the Project Details List tab
11. _X_ Verify that the Project Detail screen is displayed and at least one Project Detail item is listed
12. Click the drill-down icon for one of the items – possibly where the data attributes as follows: Program Code=1220, Detail#=1.
13. _X_ Verify that Location detail is displayed

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: ____

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Date: ________________ Signature: ____________________________________

Scenario II: Add New Project

This scenario tests whether a user with Update rights can modify a respective Project.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

ASR-PA-0201 - *(12/18/2012)* FMIS users with “Project update” privileges will be able to create a new project.

Design Solution: FMIS users with Project update authority and based on the “UPDATE RULES” defined in the General Requirements section will be able to create a new project by clicking the “Add New Project” link in the “Projects List” screen. The “Add New Project” screen with the Project Information tab is displayed. The Project Detail tab will be disabled since the user will need to first create a project header record before adding a detail record. The Project Information tab screen will behave like a Modal screen which means that the user will not be able to navigate to other screens or access the navigation menus unless the user clicks the “Save” or “Cancel” button in the Project Information screen. Once the user enters all the required information for the project and clicks the “Save” button, the project record is saved and the Project screen is displayed in view mode with the “Project Information” tab selected and the Project Detail tab is enabled so that the user can enter detail records.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: Add New Project form if modal

Sub-Scenario A Test Steps

1. From the Project list click the ‘Add New Project’ button
2. _X_ Verify that ‘Add New Project’ window opens as a modal window and cannot perform non-Add New Project action
3. _X_ verify that clicking either the Cancel button or the Window ‘X’ closes the modal window

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: ____

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Sub-Scenario B: Enter minimal data to create a Project

Sub-Scenario B Test Steps

1. From the Project list click the ‘Add New Project’ button
2. _X_ Verify that ‘Add New Project’ window opens as a modal window and cannot perform non-Add New Project action
3. Enter a value in the Federal Project Number field fitting the constraint: [alphanumeric]*4 [digits]*4, like ‘ABCD6842’
4. Click the Save button
5. _X_Verify the new Project was created and no errors were shown

Sub-Scenario Test B Results

Pass_X_ Fail___

Notes: Projected was saved with warnings.

Sub-Scenario C: Enter data in all fields to create a Project

Sub-Scenario C Test Steps

1. From the Project list click the ‘Add New Project’ button
2. _X_ Verify that ‘Add New Project’ window opens as a modal window and cannot perform non-Add New Project action
3. Enter a value in the Federal Project Number field fitting the constraint: [alphanumeric]*4 [digits]*4, like GAIE6683
4. Recipient Project #s: RPXDEE, 3G3ABV8 by clicking the Recipient Project # Add button
5. Project Title: This is project is for testing only

6. Project Type: default value of Conventional
7. DUNS: 003880940; a valid DUNS for DC
8. Project Desc: This is a simple description for the project
9. PE Date: 02/01/2014
10. ROW Date: 02/05/2014
11. SPR Date: 02/11/2014
12. Other Date: 02/14/2014
13. Project Oversight: Full/Oversight/Locally Adm.
14. STIP Reference: ASAVEI
15. Emergency Relief: checked
16. Disaster Fiscal Year: 2012
17. Disaster Seq #: 05
18. Emergency Relief Code: DC38V94Y
19. Major Project: Mid-Currituck
20. Pooled Funds: Birmingham Northern
21. Other: I-270 Expan
22. Grant Num: GR NUM
23. Index (PE/CE): IND PE
24. Index (Construction): index contr
25. Est. construction date: 1/31/2014
26. FHWA Area: 2/7/2014
27. Ward: 22
28. Contract Number: 364
29. Appro: Number: 45
30. Project Comments: These are some project comments
31. Agreement Doc remarks: these are recipient remarks
32. Added Related Projects: Virginia, 0413003, Construction; Maryland, CRPL038, Preliminary Eng.
33. Click the Save button

Sub-Scenario Test C Results

Pass___ Fail_X__

Notes: ____

Scenario III: Business Rules and Validations

This scenario tests the business rules and validations have been coded to the System Design - Projects Area document.

Prerequisites:

1. Log in to the FMIS 5 application
2. Recipient User
3. Have Update rights to a Recipient

ASR-PA-0203 - *(12/18/2012)* When the user either adds a new project or updates or signs an existing project, the system shall adhere to all the rules (business, protection & required and project status rules) outlined in the tables below.

Design Solution: The Project Information screen will implement all the rules outlined in the tables below.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: Incorrect Recipient DUNS shows error message

Prerequisites:

1. On Add New Project screen

Sub-Scenario A Test Steps

1. Entered a valid Federal Project Number
2. Entered an invalid DUNS for the respective Recipient: 'THIS IS A FAKE DUNS'
3. Click the Save button
4. _X_ Verify error message is shown indicating invalid DUNS
5. _X_ Verify the Project is not created

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: ____

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Sub-Scenario B: Title greater than 150 characters is not permitted

Prerequisites:

1. On Add New Project screen

Sub-Scenario A Test Steps

1. Entered a valid Federal Project Number
2. Try to enter Title, less quotes: 'This title is too long that it is just greater than the max length of one hundred fifty characters long, and should not be allowed to be entered, yep.'
3. Click the Save button
4. _X_ Verify error message is shown indicating Project Title exceeds max length
5. _X_ Verify the Project is not created

Sub-Scenario Test B Results

Pass_X_ Fail___

Notes: ____

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Sub-Scenario C: Federal Project Number (FPN) cannot contain the letter O and characters 5-7 must be numeric

Prerequisites:

1. User has Update rights to his/her Home State

Sub-Scenario C Test Steps

1. Navigate to the Project List page
2. Click the ‘Add New Project’
3. Wait for Add New Project window to open
4. Enter value ‘EWOW1234’ for the Federal Project Number
5. Click the Save button
6. _X_ Verify that the Project is not added and FPN error message, noting the FPN constraint, is displayed
7. Enter value ‘abdcg284’ for the Federal Project Number
8. Click the Save button
9. _X_ Verify that the Project is not added and FPN error message, noting the FPN constraint, is displayed

Sub-Scenario Test C Results

Pass_X_   Fail___

Notes: ____

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Sub-Scenario D: Recipient Project (Allowable Characters)

Prerequisites:

1. User has Update rights to his/her Home State of Alabama

Sub-Scenario D Test Steps

1. Navigate to the Project List page
2. Click the ‘Add New Project’
3. Wait for Add New Project window to open
4. Enter values:
    a. Federal Project Number: ADIW1234
    b. Recipient Project #: ASV#440
5. Click the Save button
6. _X_ Verify that the Project is not added, the Allowable Characters error message is displayed

Sub-Scenario Test D Results

Pass_X_   Fail___

Notes: Test for more than 500 Recipient Projects was not run via UI; inspected code to verify limitation.

Sub-Scenario E Test Steps

1. Entered a valid Federal Project Number
2. Entered an invalid DUNS for the respective Recipient: ‘THIS IS A FAKE DUNS’
3. Click the Save button
4. _X_ Verify error message is shown indicating invalid DUNS
5. _X_ Verify the Project is not created

Sub-Scenario Test E Results

Pass_X_ Fail___

Notes: ____

____

Sub-Scenario F: Title greater than 150 characters is not permitted

Prerequisites:

1. On Add New Project screen

Sub-Scenario F Test Steps

1. Entered a valid Federal Project Number
2. Try to enter Title, less quotes: ‘This title is too long that it is just greater than the max length of one hundred fifty characters long, and should not be allowed to be entered, yep.’
3. Click the Save button
4. _X_ Verify error message is shown indicating Project Title exceeds max length
5. _X_ Verify the Project is not created

Sub-Scenario Test F Results

Pass_X_ Fail___

Notes: ____

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Sub-Scenario G: Description greater than 2000 characters is not permitted

Prerequisites:

1. On Add New Project screen

Sub-Scenario G Test Steps

1. Entered a valid Federal Project Number
2. Try to enter Description, less quotes: <blocks of lorem ipsum> just over 2000 characters worth
3. Click the Save button
4. _X_ Verify error message is shown indicating Project Description exceeds max length
5. _X_ Verify the Project is not created

Sub-Scenario Test G Results

Pass_X_ Fail___

Notes: Can use http://www.lipsum.com/ to generate 2001 bytes________________

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Sub-Scenario H: Effective Authorization Date Validations:

1. ROW Date Cannot occur after the PE Date
2. PE Date must occur before the Construction Date
3. PE Date must occur before the Completed Date

Prerequisites:

1. On Add New Project screen

Sub-Scenario H Test Steps

1. Entered a valid Federal Project Number
2. Enter values:
    a. PE Date: 01/15/2016
    b. ROW Date: 02/04/2014
3. Click the Save button
4. _X_ Verify error message is shown indicating that the ROW Date cannot occur after the PE Date
5. _X_ Verify the Project is not created
6. Enter values:
    a. PE Date: 01/15/2014
    b. ROW Date: 02/04/2014
7. Click the Save button
8. _X_ Verify no error message is shown and the Project was created
9. Modify the Project
10. Enter values:
    a. Construction Date: 01/02/2014
11. Click the Save button
12. _X_ Verify error message is shown indicating that the PE Date must occur before the Construction Date
13. _X_ Verify the Project was not modified
14. Modify the Project
15. Enter values:
    a. Construction Date: 06/08/2014
16. Click the Save button
17. _X_ Verify no error message is shown and the Project was updated
18. Add a Project Detail item
19. _X_Verify that the item was added
20. <Completed Date Is Being Coded as Enterable>

Sub-Scenario Test H Results

Pass___ Fail_X_

Notes: The Completed Date is not user enterable the time so the scenario failed not being to fulfill all scenarios

Sub-Scenario V: Can only Sign a Project with SPR Date if there's Detail with Program Code with SPR Recode

Prerequisites:

1. Update rights for a Recipient

Sub-Scenario I Test Steps

1. Add a new Project
2. Enter values:
    a. Valid values for a basic sign-off
    b. SPR: 02/04/2014
3. Click the Save button
4. _X_ Verify that the Project was created
5. Go to the Project Info screen for the Project
6. Sign the 1st Signature
7. _X_ Verify error message is shown indicating that a detail line of 090 or 222 recode Program Code is needed when the SPR is provided
8. _X_ Verify the Project is not signed
9. Modify the Project, by removing the SPR Date
10. _X_ Verify the SPR Date was removed
11. Add a Detail Line
    a. Program Code: using a 090 Recode Program Code: 0800, 08F0, 3BR0
    b. Improvement Type: Utilities
12. Sign the 1st Signature
13. _X_ Verify error message is shown indicating that a detail line of 090 or 222 recode Program Code is needed when the SPR is provided
14. Withdraw the Detail Line
15. _X_ Verify that the Detail Line was withdrawn
16. Add a Detail Line
    a. Program Code: using a 222 Recode Program Code: 31F0, L56E, QA40
    b. Improvement Type: Historic Preservation
17. Sign the 1st Signature
18. _X_ Verify error message is shown indicating that a detail line of 090 or 222 recode Program Code is needed when the SPR is provided
19. Modify the Project, by providing a valid SPR Date
20. Sign the 1st Signature
21. _X_ Verify from the Project Info tab that no error message is shown and the 1st Signature is signed with Signee and date

Sub-Scenario Test I Results

Pass_X_ Fail___

Notes:

Sub-Scenario J: Other is required if no other Authorization Date is

Prerequisites:

1. Update rights for a Recipient

Sub-Scenario J Test Steps

1. Add a new Project
2. Enter values:
    a. Valid values for a basic sign-off, except any Authorization Dates
3. Click the Save button
4. _X_ Verify that the Project was created
5. Add a Detail Line
    a. Program Code: W050
    b. Improvement Type: Design-Build Contract
6. Go to the Project Info screen for the Project
7. Sign the 1st Signature
8. _X_ Verify error message is shown indicating that at least the Other Date is required
9. _X_ Verify the Project is not signed
10. Modify the Project, by providing a valid Other Date
11. Sign the 1st Signature
12. _X_ Verify from the Project Info tab that no error message is shown and the 1st Signature is signed with Signee and date

Sub-Scenario Test J Results

Pass_X_ Fail___

Notes:

Sub-Scenario K: Cannot Sign a Project of Emergency Relief Project Type that contains Demo Program Code Detail Line

Prerequisites:

1. Using a Project that is of Emergency Relief Project Type
2. Ensure Project does not have active, demo Detail Line

Sub-Scenario K Test Steps

1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
    a. Program Code: L10R (is a demo type program code)

   b. Improvement Type: Bridge Rehabilitation
   c. Click Save
5. Navigate to the Project Information page for the Project
6. Sign the Project with the 1st Signature
7. Modify the Project if needed to Sign, for example, an Authorization date (Construction)
8. _X_ Verify that error message is shown stating that Demo Program Codes items are not allowed for Emergency Relief Project Types

Sub-Scenario Test K Results

Pass_X_ Fail___

Notes:

Sub-Scenario L: Cannot Sign a Project of Emergency Relief Project Type if it does not contain Program Code that has Limited Statistics Required set to Emergency Relief

Prerequisites:

1. Using a Project that is of Emergency Relief Project Type

Sub-Scenario L Test Steps

1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
   a. 0Program Code: any not equal to 0090 or 00E0 (Emergency Limited Statistics program codes)
   b. Improvement Type: New Construction Roadway
   c. Click Save
5. Navigate to the Project Information page for the Project
6. Modify the Project if needed to Sign, for example, an Authorization date (Construction)
7. Sign the Project with the 1st Signature
8. _X_ Verify that error message is shown stating that must contain Detail Line where the Program Code Limited Statistics is emergency

Sub-Scenario Test L Results

Pass_X_ Fail___

Notes:

Sub-Scenario M: Can Sign a Project of Emergency Relief Project Type that contains Program Code that has Limited Statistics Required set to Emergency Relief

Prerequisites:

1. Using a Project that is of Emergency Relief Project Type

Sub-Scenario M Test Steps

1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
    a. Program Code: 0090 (is an Emergency Limited Statistics program code)
    b. Improvement Type: Bridge Rehabilitation
    c. Click Save
5. Navigate to the Project Information page for the Project
6. Modify the Project if needed to Sign, for example, an Authorization date (Construction)
7. Sign the Project with the 1st Signature
8. _X_ Verify from the Project Info tab that no error message is shown and the 1st Signature is signed with Signee and date

Sub-Scenario Test M Results

Pass_X_ Fail___

Notes:

Sub-Scenario N: Cannot Sign a Project of STP Project Type that contains Detail Lines that are non-STP Program Codes

Prerequisites:

1. Using a Project that is of STP Project Type

Sub-Scenario N Test Steps

1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
    a. Program Code: not equal to 2180 (an STP Program Code)
    b. Improvement Type: Reconstruction
    c. Click Save
    d. _X_ Verify that the Detail item was added
5. Navigate to the Project Information page for the Project
6. Modify the Project if needed to Sign, for example, an Authorization date (Construction)
7. Sign the Project with the 1st Signature
8. _X_ Verify from the Project Info tab that an error message is shown stating that all active detail lines must be STP Program Codes and the Project was not signed
9. Modify the Project Info to provide any other required data
10. Add another Project Detail item with the following info

11. Enter values:
    a. Program Code: 2180 (an STP Program Code)
    b. Improvement Type: Maintenance Resurfacing
    c. Click Save
    d. _X_ Verify that the Detail item was added
12. _X_ Verify Detail item was added
13. Attempt to Sign the Project again with the 1st Signature
14. _X_ Verify from the Project Info tab that an error message is shown stating that all active detail lines must be STP Program Codes and the Project was not signed

Sub-Scenario Test N Results

Pass_X_ Fail___

Notes:

Sub-Scenario O: Can Sign a Project of STP Project Type that contains Detail Lines that are STP Program Codes

Prerequisites:
1. Using a Project that is of STP Project Type
2. The Project contains no non-2180 Program Code Detail items

Sub-Scenario O Test Steps
1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
    a. Program Code: not equal to 2180 (an STP Program Code)
    b. Improvement Type: Bridge Rehabilitation
    c. Click Save
    d. _X_ Verify that the Detail item was added
5. Navigate to the Project Information page for the Project
6. Modify the Project if needed to Sign, for example, an Authorization date (Construction)
7. Sign the Project with the 1st Signature
8. _X_ Verify from the Project Info tab that no error message is shown and the 1st Signature is signed with Signee and date

Sub-Scenario Test O Results

Pass_X_ Fail___

Notes: ____

Sub-Scenario P: Cannot Sign a Project of SIB Project Type that contains Detail Lines that are non-SIB Program Codes

Prerequisites:

1. Using a Project that is of SIB Project Type

Sub-Scenario P Test Steps

1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
    a. Program Code: not equal to 03B0, 09G0, HT80, 9AT0, Q690 (an SIB Program Code), like Z150
    b. Improvement Type: Design-Build Contract
    c. Click Save
    d. _X_ Verify that the Detail item was added
5. Navigate to the Project Information page for the Project
6. Modify the Project if needed to Sign, for example, an Authorization date (Other)
7. Sign the Project with the 1st Signature
8. _X_ Verify from the Project Info tab that an error message is shown stating that all active detail lines must be SIB Program Codes and the Project was not signed
9. Add another Project Detail item with the following info
10. Enter values:
    a. Program Code: 03B0, 09G0, HT80, 9AT0, Q690 (an SIB Program Code)
    b. Improvement Type: Reconstruction
    c. Click Save
11. _X_ Verify Detail item was added
12. Attempt to Sign the Project again with the 1st Signature
13. _X_ Verify from the Project Info tab that an error message is shown stating that all active detail lines must be SIB Program Codes and the Project was not signed

Sub-Scenario Test P Results

Pass_X_ Fail___

Notes:

Sub-Scenario Q: Can Sign a Project of SIB Project Type that contains Detail Lines that are SIB Program Codes

Prerequisites:

1. Using a Project that is of SIB Project Type
2. The Project contains no non-SIB Program Code Detail items (SIB Program Code: 03B0, 09G0, HT80, 9AT0, Q690)

Sub-Scenario Q Test Steps

1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:

   a. Program Code: not equal to 03B0
   b. Improvement Type: Planning
   c. Click Save
   d. _X_ Verify that the Detail item was added
5. Add another Detail Item by entering values:
   a. Program Code: not equal to Q690
   b. Improvement Type: Maintenance Relocation
   c. Click Save
   d. _X_ Verify that the Detail item was added
6. Navigate to the Project Information page for the Project
7. Modify the Project if needed to Sign, for example, an Authorization date (Other, Construction)
8. Sign the Project with the 1st Signature
9. _X_ Verify from the Project Info tab that no error message is shown and the 1st Signature is signed with Signee and date

Sub-Scenario Test Q Results

Pass_X_ Fail___

Notes:

Sub-Scenario R: Signing a Project of Demo Project Type requires a Detail Line that is a Demo Program Code

Prerequisites:
1. Using a Project that is of Demo Project Type

Sub-Scenario R Test Steps
1. Navigate to the Project Details List tab
2. Click the Add Detail button
3. Wait for the Add Project Detail window to open
4. Enter values:
   a. Program Code: not equal to L10R (a Demo Program Code)
   b. Improvement Type: Reconstruction
   c. Click Save
   d. _X_ Verify that the Detail item was added
5. Navigate to the Project Information page for the Project
6. Modify the Project if needed to Sign, for example, an Authorization date (Other)
7. Sign the Project with the 1st Signature
8. _X_ Verify from the Project Info tab that an error message is shown stating that that at least one active detail lines must be a Demo Program Codes and the Project was not signed
9. Add another Project Detail item with the following info
10. Enter values:

    a. Program Code: L10R (a Demo Program Code)
    b. Improvement Type: Reconstruction
    c. Click Save
    d. _X_ Verify that the Detail item was added
11. Attempt to Sign the Project again with the 1st Signature
12. _X_ Verify from the Project Info tab that no error message is shown and the 1st Signature is signed with Signee and date

Sub-Scenario Test R Results

Pass_X_ Fail___

Notes:

Sub-Scenario S: Cannot designate an Emergency Relief nor a Demo Project Type as Eligible for Emergency Relief

Prerequisites:

1. Have Update rights to a Recipient

Sub-Scenario S Test Steps

1. Navigate to the Project List tab
2. Click the Add Project button
3. Wait for the Add New Project window to open
4. Enter values:
    a. Federal Project Number: <a valid FPN>
    b. Project Type: Emergency Relief
    c. Eligible for Emergency Relief: yes
    d. Click Save
5. _X_ Verify from the Project Info tab that an error message is shown noting that Emergency Relief Type Projects cannot be marked for Is Eligible for Emergency Relief
6. _X_ Verify that the Project was not saved
7. From the Add New Project screen, change to the following:
    a. Project Type: Demo
    b. Click Save
8. _X_ Verify from the Project Info tab that an error message is shown noting that Emergency Relief Type Projects cannot be marked for Is Eligible for Emergency Relief
9. _X_ Verify that the Project was not saved

Sub-Scenario Test S Results

Pass_X_ Fail___

Notes:

Sub-Scenario T: Disaster Year and Disaster Sequence Number are required if the Project is marked for Eligible for Emergency Relief when creating a Project

Prerequisites:

1. Have Update rights to a Recipient

Sub-Scenario T Test Steps

1. Navigate to the Project List tab
2. Click the Add Project button
3. Wait for the Add New Project window to open
4. Enter values:
    a. Federal Project Number: <a valid FPN>
    b. Project Type: Conventional
    c. Eligible for Emergency Relief: yes
    d. Click Save
5. _X_ Verify from the Project Info tab that an error message is shown noting that Disaster Year is required if marked for Is Eligible for Emergency Relief
6. _X_ Verify that the Project was not saved
7. From the Add New Project screen, change to the following:
    a. Disaster Year: <current 4 digit year>
    b. Click Save
8. _X_ Verify from the Project Info tab that an error message is shown noting that Disaster Sequence Number is required if marked for Is Eligible for Emergency Relief
9. _X_ Verify that the Project was not saved
10. From the Add New Project screen, change to the following:
    a. Disaster Sequence Number: <valid sequence number>
    b. Click Save
11. _X_ Verify from the Project Info tab that no error message is shown noting that Disaster Year nor Disaster Sequence Number is required if marked for Is Eligible for Emergency Relief

Sub-Scenario Test T Results

Pass_X_ Fail___

Notes:

Sub-Scenario U: Disaster Year and Disaster Sequence Number are required if the Project is marked for Eligible for Emergency Relief when modifying a Project

Prerequisites:

1. Have Update rights to a Recipient
2. Can access a non-Emergency Type or non-Demo Project Types

Sub-Scenario U Test Steps

1. Navigate to the Modify screen for the Project
2. Enter values:
    a. Eligible for Emergency Relief: yes, if not
    b. Disaster Year is blank
    c. Disaster Sequence Number is blank
    d. Click Save
3. _X_ Verify from the Project Info tab that an error message is shown noting that Disaster Year is required if marked for Is Eligible for Emergency Relief
4. _X_ Verify that the Project was not modified
5. From the Edit/Modify Project screen, change to the following:
    a. Disaster Year: <current 4 digit year>
    b. Click Save
6. _X_ Verify from the Project Info tab that an error message is shown noting that Disaster Sequence Number is required if marked for Is Eligible for Emergency Relief
7. _X_ Verify that the Project was not saved
8. From the Edit/Modify Project screen, change to the following:
    a. Disaster Sequence Number: <valid sequence number>
    b. Click Save
9. _X_ Verify from the Project Info tab that no error message is shown noting that Disaster Year nor Disaster Sequence Number is required if marked for Is Eligible for Emergency Relief

Sub-Scenario Test U Results

Pass_X_   Fail___

Notes:

Sub-Scenario V: Cannot Sign a Project when providing Disaster Year and Disaster Sequence Number unless ….(there are four scenarios)

Prerequisites for Scenario V1:

1. User has update rights to a Recipient
2. Intend for the Project Type to be non-Emergency Relief or non-Demo that Is Eligible For Emergency Relief

Sub-Scenario V1 Test Steps

1. Create a Project
2. Enter values:
    a. Federal Project Number: <valid FPN> (DYDS123456)
    b. Disaster Fiscal Year: <current year>
    c. Disaster Sequence Number: <valid sequence number>
    d. Additional fields sufficient to Sign: Project Title, DUNS, Other Date, Project Oversight

e. Click Save
3. _X_ Verify from the Project was created
4. Enter a Project Detail with the following data:
    a. Program Code: 00K0, 0240, 6650, L25E (not an Emergency Relief program code: Limited Statistics Required = ER" or Emergency Relief Type='Y')
    b. Improvement Type: Rail/Highway Crossing (a non-gis required Imp. Type)
    c. Save
    d. _X_ Verify that the Detail item was created
5. Sign the 1st Signature
6. _X_ Verify error message is shown indicating that the Project Type has to be marked Is Eligible for Emergency Relief when providing the Disaster Year
7. Modify the Project accordingly
    a. Is Eligible For Emergency Relief: yes
    b. ER Code: <valid input>
    c. Save
    d. _X_ Verify the data was updated
8. Sign the 1st Signature
9. _X_ Verify no error message is shown indicating that the Project has to be marked Is Eligible for Emergency Relief when providing the Disaster Year

Sub-Scenario Test V1 Results

Pass_X_ Fail___

Notes:

Prerequisites for Scenario V2:

1. User has update rights to a Recipient
2. Intend for the Project Type to be Emergency Relief

Sub-Scenario V2 Test Steps

1. Create a Project
2. Enter values:
    a. Federal Project Number: <valid FPN> (DYDS234567)
    b. Disaster Fiscal Year: <current year>
    c. Disaster Sequence Number: <valid sequence number>
    d. Additional fields sufficient to Sign: Project Title, DUNS, Other Date, Project Oversight
    e. Click Save
3. _X_ Verify from the Project was created
4. Enter a Project Detail with the following data:

a. Program Code: 00K0, 0240, 6650, L25E (not an Emergency Relief program code: Limited Statistics Required = ER” or Emergency Relief Type=’Y’)
b. Improvement Type: Historic Preservation (a non-gis required Imp. Type)
c. Save
d. _X_ Verify that the Detail item was created

5. Sign the 1st Signature
6. _X_ Verify error message is shown indicating that the Project Type Emergency Relief when providing the Disaster Year
7. Modify the Project accordingly
   a. Project Type: Emergency Relief
   b. Save
   c. _X_ Verify the data was updated
8. Sign the 1st Signature
9. _X_ Verify no error message is shown indicating that the Project has to be marked Is Eligible for Emergency Relief

Sub-Scenario Test V2 Results

Pass_X_ Fail___

Notes:

Prerequisites for Scenario V3:

1. User has update rights to a Recipient
2. Intend for the Project Type to be Conventional with an ER Type Program Code

Sub-Scenario V3 Test Steps

1. Create a Project
2. Enter values:
   a. Federal Project Number: <valid FPN> (DYDS345678)
   b. Disaster Fiscal Year: <current year>
   c. Disaster Sequence Number: <valid sequence number>
   d. Additional fields sufficient to Sign: Project Title, DUNS, Other Date, Project Oversight
   e. Click Save
3. _X_ Verify from the Project was created
4. Sign the 1st Signature
5. _X_ Verify error message is shown indicating that an ER Type Program Code is required when providing the Disaster Year
6. Enter a Project Detail with the following data:
   a. Program Code: ER90 (Emergency Relief Type=’Y’)
   b. Improvement Type: Other (a non-gis required Imp. Type)

    c. Save
    d. _X_ Verify that the Detail item was created
7. Sign the 1st Signature
8. _X_ Verify no error message is shown indicating that an ER Type Program Code is required when providing the Disaster Year

Sub-Scenario Test V3 Results

Pass_X_ Fail___

Notes:

Prerequisites for Scenario V4:

1. User has update rights to a Recipient
2. Intend for the Project Type to be Conventional with an Emergency Limited Statistic Program Code Program Code

Sub-Scenario V4 Test Steps

1. Create a Project
2. Enter values:
    a. Federal Project Number: <valid FPN> (DYDS456789)
    b. Disaster Fiscal Year: <current year>
    c. Disaster Sequence Number: <valid sequence number>
    d. Additional fields sufficient to Sign: Project Title, DUNS, Other Date, Project Oversight
    e. Click Save
3. _X_ Verify from the Project was created
4. Sign the 1st Signature
5. _X_ Verify error message is shown indicating that an Emergency Limited Statistic Program Code is required when providing the Disaster Year
6. Enter a Project Detail with the following data:
    a. Program Code: 00E0 (has Emergency Limited Statistics)
    b. Improvement Type: Transit (a non-gis required Imp. Type)
    c. Save
    d. _X_ Verify that the Detail item was created
7. Sign the 1st Signature
8. _X_ Verify no error message is shown indicating that an Emergency Limited Statistic Program Code is required when providing the Disaster Year

Sub-Scenario Test V4 Results

Pass_X_ Fail___

Notes:

Prerequisites for Scenario V5: Disaster Fiscal Year has to be in centuries 19 or 20, but cannot be in the future

1. User has update rights to a Recipient

Sub-Scenario V5 Test Steps

1. Create a Project
2. Enter values:
    a. Federal Project Number: <valid FPN> (DYDS567890)
    b. Disaster Fiscal Year: <current year> + 1
    c. Disaster Sequence Number: <valid sequence number>
    d. Click Save
3. _X_ Verify error message is shown indicating that the Disaster Year cannot be in the future
4. _X_ Verify that the Project was not created
5. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (DYDS567890)
    b. Disaster Fiscal Year: 1863
    c. Disaster Sequence Number: 12
    d. Click Save
6. _X_ Verify error message is shown indicating that the Disaster Year has to either be in centuries 19 or 20
7. _X_ Verify that the Project was not created

Sub-Scenario Test V5 Results

Pass___ Fail___

Notes:

Prerequisites for Scenario V6: Disaster Sequence Number/Disaster Year Dependency

1. User has update rights to a Recipient

Sub-Scenario V6 Test Steps

1. Create a Project
2. Enter values:
    a. Federal Project Number: <valid FPN> (DSDY123456)
    b. Disaster Fiscal Year: <current year>
    c. Click Save
3. _X_ Verify error message is shown indicating that Disaster Sequence Number is required when providing the Disaster Year
4. _X_ Verify that the Project was not saved
5. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (DSDY123456)
    b. Disaster Fiscal Year: <blank>
    c. Disaster Sequence Number: 12

        d. Click Save
6. _X_ Verify error message is shown indicating that Disaster Sequence Number is required when providing the Disaster Year
7. _X_ Verify that the Project was not saved
8. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (DSDY123456)
    b. Disaster Fiscal Year: <current year>
    c. Disaster Sequence Number: 12
    d. Click Save
9. _X_ Verify that no error message is shown indicating that the Disaster Sequence Number is required when providing the Disaster Year

Sub-Scenario Test V6 Results

Pass_X_ Fail___

Notes:

Sub-Scenario W: ER Code Validation

Prerequisites for Scenario W:

1. User has update rights to the Alaska Recipient

Sub-Scenario W Test Steps:

1. Create a Project
2. Enter values:
    a. Recipient: Alaska
    b. Federal Project Number: <valid FPN> (ERCD123456)
    c. ER Code: TNWIWOOF
    d. Click Save
3. _X_ Verify error message is shown indicating that the ER Code has to start with the State abbreviation of the respective Recipient
4. _X_ Verify that the Project was not saved
5. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (ERCD123456)
    b. ER Code: AKIWOOF (Less than 8 characters)
    c. Click Save
6. _X_ Verify error message is shown indicating that the ER Code has to be 8 characters in length
7. _X_ Verify that the Project was not saved
8. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (ERCD123456)
    b. Is Eligible for Emergency Relief: yes
    c. ER Code: <blank>
    d. Click Save

9. _X_ Verify error message is shown indicating that the ER Code is required when the Project is marked Eligible for Emergency Relief
10. _X_ Verify that the Project was not saved
11. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (ERCD123456)
    b. Project Type: Emergency Relief
    c. Is Eligible for Emergency Relief: no
    d. ER Code: <blank>
    e. Click Save
12. _X_ Verify error message is shown indicating that the ER Code is required when the Project is an Emergency Relief Project Type
13. _X_ Verify that the Project was not saved
14. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN> (ERCD123456)
    b. Project Type: Conventional
    c. Is Eligible for Emergency Relief: no
    d. ER Code: <blank>
    e. Additional fields sufficient to Sign: Project Title, DUNS, Other Date, Project Oversight
    f. Click Save
15. _X_ Verify the Project was created
16. Add another Project Detail item with the following info
17. Enter values:
    a. Program Code: ER90 (Emergency Relief Type='Y')
    b. Improvement Type: Transit
    c. Click Save
18. _X_ Verify Detail item was added
19. Sign the 1st Signature
20. _X_ Verify error message is shown indicating that the ER Code is required when there are Emergency Program Code Detail items
21. _X_ Verify that the Project was not signed

Sub-Scenario Test W Results

Pass_X_   Fail___

Notes:

Sub-Scenario X: State/Division

Prerequisites for Scenario X:

1. User has update rights to a Recipient

Sub-Scenario X Test Steps:

1. Create a Project

2. Enter values:
    a. Federal Project Number: <valid FPN>
    b. Recipient Remarks: <2001 characters>
    c. Click Save
3. _X_ Verify error message is shown indicating that the Project State Remarks exceed the max length
4. _X_ Verify the Project is not created
5. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN>
    b. Recipient Remarks: An exclamation point is not an Allowable Character!
    c. Click Save
6. _X_ Verify error message is shown indicating that there are disallowed characters
7. Change User Type from Recipient to Division, ensuring to have Update rights to a Recipient
8. Create a Project
9. Enter values:
    a. Federal Project Number: <valid FPN>
    b. Division Remarks: <2001 characters>
    c. Click Save
10. _X_ Verify error message is shown indicating that the Project State Remarks exceed the max length
11. _X_ Verify the Project is not created
12. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN>
    b. Recipient Remarks: An exclamation point is not an Allowable Character!
    c. Click Save
13. _X_ Verify error message is shown indicating that there are disallowed characters

Sub-Scenario Test X Results

Pass_X_ Fail___

Notes:

Sub-Scenario Y: State/Division

Prerequisites for Scenario Y: State/Division Comments

1. User has update rights to a Recipient

Sub-Scenario Y Test Steps:

1. Create a Project
2. Enter values:
    a. Federal Project Number: <valid FPN>

   b. Recipient Comments: <2001 characters>
   c. Click Save
3. _X_ Verify error message is shown indicating that the Project State Comments exceed the max length
4. _X_ Verify the Project is not created
5. Change/Add values, accordingly
   a. Federal Project Number: <valid FPN>
   b. Recipient Comments: An exclamation point is not an Allowable Character!
   c. Click Save
6. _X_ Verify error message is shown indicating that there are disallowed characters
7. Change User Type from Recipient to Division, ensuring to have Update rights to a Recipient
8. Create a Project
9. Enter values:
   a. Federal Project Number: <valid FPN>
   b. Division Comments: <2001 characters>
   c. Click Save
10. _X_ Verify error message is shown indicating that the Project State Comments exceed the max length
11. _X_ Verify the Project is not created
12. Change/Add values, accordingly
    a. Federal Project Number: <valid FPN>
    b. Recipient Comments: An exclamation point is not an Allowable Character!
    c. Click Save
13. _X_ Verify error message is shown indicating that there are disallowed characters

Sub-Scenario Test Y Results

Pass_X_ Fail___

Notes:

Sub-Scenario Z: Related Projects

Prerequisites for Scenario Z: Related Projects

1. User has update rights to a Recipient

Sub-Scenario Z1 Test Steps (A Project Cannot Be Related Itself):

1. Modify a Project that has a Current Project
2. Enter values:

        a. Related Project: <Same Recipient & Federal Project Number as itself>
        b. Click Save
    3. _X_ Verify error message is shown indicating that the Project cannot be related to itself
    4. _X_ Verify the Project is not created

Sub-Scenario Test Z1 Results
Pass_X_ Fail___

Notes:

Sub-Scenario Z2 Test Steps (Disallow Multiple Same Recipient, Federal Project Number, and Relation Type):

1. Create a New Project
2. Enter values:
    a. Required data to Create a New Project
    b. Related Project 2X: Alaska, 0001157, Construction
    c. Click Save
3. _X_ Verify error message is shown indicating that Projects with the same Recipient, Federal Project Number, Relation Type cannot added
4. _X_ Verify the Project is not created

Sub-Scenario Test Z2 Results
Pass_X_ Fail___

Notes:

Sub-Scenario AA: Project Action State Changes (New – Withdrawal – Current)

Prerequisites:

1. Have Update rights for a Recipient

Sub-Scenario AA Test Steps

1. Navigate to the Project List tab
2. Click the Add Project button
3. Wait for the Add New Project window to open
4. Enter values:
    a. Federal Project Number: <a valid FPN> (PAAL583050)
    b. Click Save
    c. _X_ Verify Project was added
5. _X_ Verify the Project Action is 'New Project' on the Project Information page
6. Go to the Modify page for the Project
7. Add a value for the Title
8. Click Save

9. _X__ Verify the Project Action is ‘Project Change’ on the Project Information page
10. Go to the Modify page for the Project
11. Provide values for DUNS, Other Date, and Project Oversight
12. Click Save
13. _X__ Verify the Project Action is ‘Project Change’ on the Project Information page
14. Add a detail line
15. Withdraw the detail line
16. _X_Verify the Project Action is ‘Project Withdrawal’ on the Project Information page
17. Add detail line again
18. _X_Note the Project Action value: Project Withdrawal
19. Sign 1st , 2nd, and 3rd Signatures
20. _X_Note the Project Action value: Project Withdrawal
21. Change User to Division type and give rights to all Signatures for respective project
22. Sign 1st , 2nd, and 3rd Signatures as a Division User
23. _X_Verify that Current Project was created and the Pending is not available
24. _X_Note the Project Action value: Project Withdrawal

Sub-Scenario Test AA Results

Pass___ Fail_X__

Notes: Project Action was not changed when the first Modify was a Title change. During Final Signature, a window was briefly shown then disappeared.

Sub-Scenario AB: Project Action State Changes (New – Current)

Prerequisites:

1. Have Update rights for a Recipient

Sub-Scenario AB Test Steps

1. Navigate to the Project List tab
2. Click the Add Project button
3. Wait for the Add New Project window to open
4. Enter values:
   a. Federal Project Number: <a valid FPN> (NCAL835953)
   b. Enter data for: DUNS, Project Title, Other Date, Project Oversight
   c. Click Save
   d. _X_ Verify Project was added
5. _X_Note the Project Action value: New Project
6. Add a detail line

7. _X_Verify the detail line was added
8. _X_Note the Project Action value: Project Change
9. Sign 1st , 2nd, and 3rd Signatures
10. _X_Note the Project Action value: New Project
11. Change User to Division type and give rights to all Signatures for respective project
12. Sign 1st , 2nd, and 3rd Signatures as a Division User
13. _X_Verify that Current Project was created and the Pending is not available
14. _X_Note the Project Action value: New Project

Sub-Scenario Test AB Results

Pass___ Fail_X__

Notes: Project Action never changed from the initial New Project value. During Final Signature, a window was briefly shown then disappeared. The Close button was not visible from the Current Project Info screen

Date: ________________ Signature: ______________________________________

Scenario IV: Copy Project Detail

This scenario tests whether a user with Update rights can Copy a Project Detail.
Prerequisites:
1. User's Home State is District of Columbia

ASR-PA-0304 - *(12/18/2012):* The system shall allow the user to copy a detail line (excluding funds)

Design Solution: The Project Details tab in View mode has the "Copy" button. This button will be available only for users with update privileges to the project (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements section.) The user can click the "Copy" button available in the Project Detail screen (Figure 3.2) and the "New Project Detail" screen is displayed with all the information from the detail record being copied except for the funding information (all fund amount are set to zero). The user will be able to modify the funding and other information and save the changes.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: When a User does not have Update rights
Prerequisites:
1. User does not **have** access rights to the District of Columbia

Sub-Scenario A Test Steps
1. From the Project List Quick Search page, find FPN GAIE6683 (District of Columbia)
2. Navigate to the Project's Project Detail List tab

3. Select detail line with the following values: PC=17W0, Detail #=1, IT=Bridge Replacement
4. _X_ Verify that you land on the Project Detail tab
5. Verify visible buttons: Modify, Copy, and History
6. Click Copy
7. Modal form opens
8. State Funds: 10,000
9. Click Save

Sub-Scenario Test A Results

Pass___ Fail_X_

Notes: After clicking Save, there was a JavaScript error. The modal window didn't close. After manually closing the modal window and manually refreshing the Project Detail List tab, the newly added Project Detail item was listed

Sub-Scenario B: When a User has Update rights

Prerequisites:

1. User does not **have** access rights to the District of Columbia

Sub-Scenario B Test Steps

1. From the Project List Quick Search page, find FPN GAIE6683 (District of Columbia)
2. Navigate to the Project's Project Detail List tab
3. Select detail line with the following values: PC=7900, Detail #=1, IT= 4R-Reconstruction Added Capacity
4. _X_ Verify that you land on the Project Detail tab
5. Verify visible buttons: Modify, Copy, and History
6. Click Copy
7. Modal form opens
8. _X_ Verify data is copied except the funding data
9. Adv. Con: 5000
10. Fed Funds: 6000
11. State Funds: 7000
12. Local Funds: 8000
13. Private Funds: 9000
14. Non-Monetary: 10000
15. Other Funds: 1
16. Udf Grant Number: gr
17. Udf Index (pe/ce) idx pe
18. Click Save

Sub-Scenario Test B Results

Pass_X_ Fail___

Notes: After clicking Save, there was a JavaScript error. The modal window didn't close. After manually closing the modal window and manually refreshing the Project Detail List tab, the newly added Project Detail item was listed

Date: ________________ Signature: ____

Scenario V: Add Project Detail

This scenario tests whether a user with Update rights can add a respective Project Detail.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

ASR-PA-0401 - *(12/18/2012)* FMIS users with "Project update" privileges shall be able to create a new project detail and this function is subject to the update rules defined in requirement ASR-PA-0000B in General Requirements section.

Design Solution: In the Project Information screen (View Mode), the "Project Detail" tab will have an "Add Detail" link available that can be used by the user to create a new project detail record (Figure 4.1). The "Add Detail" link will only be available to users with "Project update" privileges as defined in the requirement above. The "New Project Detail" screen (Figure 4.2) is displayed. This screen will behave like a Modal screen and the user will not be able to access other screens in the system unless the user clicks the "Save" or "Cancel" button in this screen. The user will be able to add the detail information on this screen and click the "Save" button or "Cancel" button to save or cancel the changes.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: Add Project Detail form if modal

Prerequisites:

1. Go to the Project Information page for FPN GAIE6683, Recipient DC, Project Details List tab

Sub-Scenario A Test Steps

1. From the Project Details List click the 'Add Detail' button
2. _X_ Verify that 'Add Project Detail' window opens as a modal window and cannot perform non- Add Project Detail action
3. _X_ verify that clicking either the Cancel button or the Window 'X' closes the modal window

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: Window opens as modal, but there occupies all of web browser window space; there's no padding such the parent screen is partially visible.

Sub-Scenario B: Enter minimal data to add a Project Detail

Prerequisites:

1. Go to the Project Information page for FPN GAIE6683, Recipient DC, Project Details List tab

Sub-Scenario B Test Steps

1. From the Project Detail List click the 'Add Detail' button
2. Program Code: R050
3. Improvement Type: New Construction
4. Detail #: auto-populated with value of 1
5. Click the Save button

Sub-Scenario Test B Results

Pass_X_ Fail___

Notes: The Add Detail modal form window closed upon saving, however, parent screen Project Details List did not refresh automatically to show the newly added Detail item. The Project Details List tab had to be manually refreshed before displaying the newly added Detail item.

Sub-Scenario C: Add Project Detail form if modal

Prerequisites:

Sub-Scenario C Test Steps

1. Go to the Project Information search and find a non-DC Recipient project
2. Navigate to the Project Information page for the Project
3. Select the Project Details List tab
4. _X_ Verify that the 'Add Detail' button is not visible

Sub-Scenario Test C Results

Pass_X_ Fail___

Notes: ____

Sub-Scenario D: Enter data into every section to add a Project Detail

Prerequisites:

1. Go to the Project Information page for FPN GAIE6683, Recipient DC, Project Details List tab

Sub-Scenario D Test Steps

1. From the Project Detail List click the 'Add Detail' button

2. Program Code: 17W0
3. Improvement Type: Bridge Replacement
4. Detail #: auto-populated with value of 1
5. Withdrawal Area: 003
6. Adv. Constr: 10000
7. Fed Funds: 50000
8. State Funds: 20000
9. Local Funds: 15000
10. Private Funds: 5000
11. Non-monetary: 500
12. Other Funds: 1500
13. Federal Share %: 50.00
14. Toll Road: checked
15. IsHighwaysForLife: checked
16. Grant Number: grant num
17. Index (PE/CE): pe over ce
18. Index (Construction): constr idx
19. Ward: 4
20. Contract Number: 1500
21. Appropriation Number: 2332
22. Click the Save button

Sub-Scenario Test D Results

Pass___ Fail_X__

Notes: New record was added but, the User Defined Fields (UDFs) were not added correctly. The UDFs were added under at the Project level. And, the UDF data was showing under the Recipient and Division levels (only the text value UDFs) on the Project Detail view.

Date: ________________ Signature: ______________________________________

Scenario VII: Close Project

This scenario tests whether a user with Update rights can Close a Project.

ASR-PA-0206 - *(12/18/2012)* The system shall provide the ability to close a Current project that is in an active status. The following business rules shall be enforced for a project close action to be allowed:

1. Advanced Construction funds must be zero
2. None of the Authorization or Project Status dates should have a future value.

Design Solution: The Project Information screen (in View Mode) will have a “Close Project” button available for Current projects in the Active status (Figure 2.3). This button will be available only for users with update privileges to the project (Refer to the “UPDATE RULES” ASR-PA-0000B requirement in the General Requirements section.)

When the user clicks the “Close Project” button, the Project record is locked for modification and the Project Information screen in Modify mode is displayed to the user (Figure 2.4). If the user clicks the “Cancel” button, the “Close Project” action is cancelled and no change is made to the project record and the project record is unlocked.

If the user clicks the “Save” button in the screen then a Pending version of the project is created with the Project Action set to “Project Close” and the Project Status set to the appropriate signature needed status and the project record is unlocked. The pending project will then need to go thru the State and Division signature process. When the Final Division signature is applied to the pending project, the system will validate the project closing business rules (mentioned above) and upon successful validation, the pending project will become current project with project status as “CLOSED” or “CLOSED PENDING EXPENDITURES depending on the following conditions.

Closed	Obligations = Expenditures for each program code on the project where program code is not 1020 AND Expenditure balance for 1020 is zero
Closed Pending Expenditures	Obligations is not = Expenditures for at least one program code on the project where program code is not 1020 OR Expenditure balance for 1020 is non- zero

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: Close Current Project

Prerequisites:

1. Go to the Project Information page for a Current Project where:

a. the Authorization Dates are not in the future
b. Advanced Construction Funds for all Project Details are zero
c. Project Status is Active

Sub-Scenario A Test Steps

1. _X_ Verify that 'Close' button is visible
2. Click the 'Close' button
3. Click the 'OK' button on the Close Project confirmation form
4. Click the 'OK' button on the Project Closed confirmation form
5. _X_ Verify the Project Information page is refreshed to the newly created Pending version
6. _X_ Verify the Project Action is Project Close
7. _X_ Verify the Project Status is set to the starting Status relative to the Recipient's Electronic Signature Use setting

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: ____

____

Scenario VIII: Re-open Project

This scenario tests whether a user with Update rights can Re-open a Project.

ASR-PA-0207 - *(12/18/2012)* The system shall provide the ability to re-open a closed project.

Design Solution: The Project Information screen (in View Mode) will have a "Reopen Project" button available for Current projects in the "Closed" or "Closed Pending Expenditures" status. This button will be available only for users with update privileges to the project (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements section.)

When the user clicks the "Reopen Project" button, the Project record is locked for modification and the Project Information screen in Modify mode is displayed to the user (Figure 2.4). If the user clicks the "Cancel" button, the "Reopen Project" action is cancelled and no change is made to the project record and the project record is unlocked.

If the user clicks the "Save" button in the screen, a Pending version of the project is created with the Project Action set to "Reopen" and the Project Status set to the appropriate signature needed status and the project record is unlocked. The pending project will then need to go thru the State and Division signature process and when the Final Division signature is applied, the pending project will become current project with project status as "ACTIVE".

Note: This test (items 1-4) is applicable to all user levels.

Prerequisites:

1. Go to the Project Information page for a Pending Project of a Previously Closed Project

Scenario VIII Test Steps

1. _X_ Verify the ‘Re-Open’ button is visible
2. Click the ‘Re-Open’ button
3. Click the ‘OK’ button on the Re-open Project confirmation form
4. Click the ‘OK’ button on the Project Re-opened confirmation form
5. _X_ Verify the Project Information page is refreshed
6. _X_ Verify the Project Action is Project Re-Open

Scenario Test VIII Results

Pass_X_   Fail___

Notes: ____

____

Date: ________________   Signature: _____________________________________

Scenario IX: Withdraw Project

This scenario tests whether a user with Update rights can Withdraw a Project.

ASR-PA-0208 - *(12/18/2012)* The system shall provide the ability to withdraw one or more detail lines from an active project. The withdrawal of all project detail lines shall cause the entire project to be withdrawn. A withdrawal action is subject to over-expenditure checks, but is not subject to any other business rule checking of any kind. Example: Users should not be expected to correct an obsolete improvement type, or missing authorization date if they are withdrawing a Project.

Design Solution: The Project Information screen (in View Mode) will have a "Withdraw Project" button available for Current projects in the "Active" status. This button will be available only for users with update privileges to the project (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements section.) When the user clicks the "Withdraw Project" button, the "Withdraw Project" screen will be displayed (Figure 2.5). This screen will allow the user to withdraw one or more detail lines or withdraw all the project detail lines.
When the user initiates the Withdraw action, the Project record is locked for modification and the Project Information screen in Modify mode is displayed to the user (Figure 2.4). If the user clicks the "Cancel" button, the "Withdraw" action is cancelled and no change is made to the project record and the project record is unlocked.
If the user clicks the "Save" button in the screen, a Pending version of the project is created with the Project Action set to "Project Withdrawal" if the entire project is withdrawn or to "Project Change" if not the entire project but only one or more detail lines are withdrawn. All fund amounts corresponding to the detail lines that are withdrawn are zeroed out. The pending project will then need to go thru the State and Division signature process. The system will only perform the over-expenditure checks for the withdrawal action. During the Final Signature process, if all the detail lines in the project are withdrawn, the project status will be set to "Withdrawn" or "Withdrawn Pending Expenditures" depending on the following conditions.

Withdrawn	If total expenditures for each program code on the project are 0
Withdrawn Pending Expenditures	If total expenditures for any program code on the project are non-zero

If not all the detail lines in the project are withdrawn, then after the Final Division Signature process the project status will remain as "Active" and the detail lines marked for withdrawal will get the "Withdrawn" status.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: Withdraw Entire Current Project

Prerequisites:

a. Go to the Project Information page for a Current Project where Project Status is Active

Sub-Scenario A Test Steps

1. _X_ Verify that 'Withdraw' button is visible
2. Click the 'Withdraw' button
3. When the Withdraw Detail form opens, ensure the checkbox for all detail items are checked
4. Click the 'OK' button on the Withdraw confirmation form
5. _X_ Verify the Project Information page is refreshed to the newly created Pending version
6. _X_ Verify the Project Action is Project Withdrawal
7. _X_ Verify the Project Status is set to the starting Status relative to the Recipient's Electronic Signature Use setting
8. _X_ Verify that the fund amounts for all detail lines were zeroed
9. _X_ Verify that the Status for all detail lines were set to Withdrawn

Sub-Scenario Test A Results

Pass___ Fail_X_

Notes: The Project Status should have been at the respective starting Status, based on the Recipient's Electronic Signature Use setting. The Project Status is Active.

Date: ________________ Signature: ____

PLACEHOLDERS FROM THIS POINT FORWARD FOR THE PROJ. INFO SECTION

Scenario X: Re-establish Project

This scenario tests whether a user with Update rights can Re-establish a Project.

ASR-PA-0209 - *(12/18/2012)* The system shall provide the ability to re-establish one or more withdrawn detail lines. If an entire project was withdrawn, re-establishing all the detail lines shall assign the project an active status.
Design Solution: The Project Information screen (in View Mode) will have a "Re-Establish" button available for Current projects in the "Active" status (with one or more detail lines withdrawn) and for projects in the "Withdrawn" or "Withdrawn Pending Expenditures" status. This button will be available only for users with update privileges to the project (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements section.) When the user clicks the "Reestablish Project" button, the "Reestablish Project" screen will be displayed (Figure 2.6). This screen will allow the user to reestablish one or more detail lines or the entire project if the project is in "Withdrawn" status.

When the user initiates the Reestablish action, the Project record is locked for modification and the Project Information screen in Modify mode is displayed to the user (Figure 2.4). If the user clicks the "Cancel" button, the "Reestablish" action is cancelled and no change is made to the project record and the project record is unlocked.

If the user clicks the “Save” button in the screen, a Pending version of the project is created with the Project Action set to “Project Change” and the project record is unlocked. The pending project will then need to go thru the State and Division signature process. If all the detail lines of a “Withdrawn” project are reestablished, then after the Final Division Signature, the project status will be set to Active status.

Note: This test (items 1-4) is applicable to all user levels.

Prerequisites:

1. <Prerequisite 1>
2. <Prerequisite 2>

Scenario X Test Steps

1. <Step 1>
2. <Step 2>
3. <Step 3>

Scenario Test X Results

Pass___ Fail___

Notes: ____

____

Date: ________________ Signature: ____

Scenario XI: Sign Project

This scenario tests whether a user with Sign rights can Sign a Project

ASR-PA-0401 - *(12/18/2012)* FMIS users with “Project update” privileges shall be able to create a new project detail and this function is subject to the update rules defined in requirement ASR-PA-0000B in General Requirements section

Design Solution: In the Project Information screen (View Mode), the “Project Detail” tab will have an “Add Detail” link available that can be used by the user to create a new project detail record (Figure 4.1). The “Add Detail” link will only be available to users with “Project update” privileges as defined in the requirement above. The “New Project Detail” screen (Figure 4.2) is displayed. This screen will behave like a Modal screen and the user will not be able to access other screens in the system unless the user clicks the “Save” or “Cancel” button in this screen. The user will be able to add the detail information on this screen and click the “Save” button or “Cancel” button to save or cancel the changes.

Note: This test (items 1-4) is applicable to all user levels.

Prerequisites:

1. <Prerequisite 1>
2. <Prerequisite 2>

Scenario XI Test Steps

1. <Step 1>
2. <Step 2>
3. <Step 3>

Scenario Test XI Results

Pass___ Fail___

Notes: ____

____

Date: ________________ Signature: ____

Scenario XII: Unsign Project

This scenario tests whether a user with Sign rights can Unsign a Project.

ASR-PA-0401 - *(12/18/2012)* FMIS users with “Project update” privileges shall be able to create a new project detail and this function is subject to the update rules defined in requirement ASR-PA-0000B in General Requirements section.

Design Solution: In the Project Information screen (View Mode), the “Project Detail” tab will have an “Add Detail” link available that can be used by the user to create a new project detail record (Figure 4.1). The “Add Detail” link will only be available to users with “Project update” privileges as defined in the requirement above. The “New Project Detail” screen (Figure 4.2) is displayed. This screen will behave like a Modal screen and the user will not be able to access other screens in the system unless the user clicks the “Save” or “Cancel” button in this screen. The user will be able to add the detail information on this screen and click the “Save” button or “Cancel” button to save or cancel the changes.

Note: This test (items 1-4) is applicable to all user levels.

Prerequisites:

1. <Prerequisite 1>
2. <Prerequisite 2>

Scenario XI Test Steps

1. <Step 1>
2. <Step 2>
3. <Step 3>

Scenario Test XII Results

Pass___ Fail___

Notes: ____

____

Date: _______________ Signature: ______________________________________

Scenario XIII: Convert AC Funds

This scenario tests whether a user with Update rights can Convert AC Funds for a Project Detail.

ASR-PA-0401 - *(12/18/2012)* FMIS users with "Project update" privileges shall be able to create a new project detail and this function is subject to the update rules defined in requirement ASR-PA-0000B in General Requirements section.

Design Solution: In the Project Information screen (View Mode), the "Project Detail" tab will have an "Add Detail" link available that can be used by the user to create a new project detail record (Figure 4.1). The "Add Detail" link will only be available to users with "Project update" privileges as defined in the requirement above. The "New Project Detail" screen (Figure 4.2) is displayed. This screen will behave like a Modal screen and the user will not be able to access other screens in the system unless the user clicks the "Save" or "Cancel" button in this screen. The user will be able to add the detail information on this screen and click the "Save" button or "Cancel" button to save or cancel the changes.

Note: This test (items 1-4) is applicable to all user levels.

Prerequisites:

1. <Prerequisite 1>
2. <Prerequisite 2>

Scenario XIII Test Steps

1. <Step 1>
2. <Step 2>
3. <Step 3>

Scenario Test XIII Results

Pass___ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Scenario XIV: Update Rules

This scenario tests whether a user with Update rights can Convert AC Funds for a Project Detail.

Prerequisites:

1. User has Update And Signature rights for Alabama

ASR-PA-0000B - *(12/18/2012):* The "**UPDATE RULES**" below define how the overall disposition of the application or the project impact whether or not a project can be updated or signed. Many of the rules below are marked with an asterisk. This indicates that these rules apply to signature privileges as well as update, and the word "signature" can be used interchangeably with "update" anywhere in these rules.

Note: This test (items 1-4) is applicable to all user levels.

Sub-Scenario A: System Lockout

Prerequisites:

1. <Prerequisite 1>
2. <Prerequisite 2>

Sub-Scenario A Test Steps

1. <Step 1>
2. <Step 2>
3. <Step 3>

Sub-Scenario Test A Results

Pass___ Fail___

Notes:

Sub-Scenario B: No updates of any kind are allowed for any Historical version of a Project

Prerequisites:

1. Go to the Project Information page for FPN ZBB4567, Recipient Alabama
2. Select a Historical version of the Project

Sub-Scenario B Test Steps

1. _X_ Verify that no modification type buttons, like Modify, Close, Withdraw, Delete, Sign, are not visible
2. Navigate to the Project Details List
3. _X_ Verify that no modification type buttons, like Add Details are not visible

Sub-Scenario Test B Results

Pass_X_ Fail___

Notes:

Sub-Scenario C: No updates of any kind are allowed for the Current version of a Project

Prerequisites:

1. Go to the Project Information page for FPN ZBB4567, Recipient Alabama
2. Select the Current version of the Project

Sub-Scenario C Test Steps

4. _X_ Verify that no modification type buttons, like Modify, Close, Withdraw, Delete, Sign, are not visible
5. Navigate to the Project Details List
6. _X_ Verify that no modification type buttons, like Add Details are not visible

Sub-Scenario Test C Results

Pass_X_ Fail___

Notes:

Sub-Scenario D: No updates of any kind are allowed for the Current version of a Project
Prerequisites:

1. Go to the Project Information page for FPN ZBB4567, Recipient Alabama
2. Select the Pending version of the Project, if it is not selected

Sub-Scenario D Test Steps

7. _X_ Verify that no modification type buttons, like Modify, Close, Withdraw, Delete, Sign, are not visible
8. Navigate to the Project Details List
9. _X_ Verify that no modification type buttons, like Add Details are not visible

Sub-Scenario Test D Results

Pass___ Fail___

Notes: ____

____

Date: _______________ Signature: ___________________________________

Project Detail

Scenario I: Add New Project Detail

This scenario tests whether a user with Update rights can create a Project Detail.

ASR-PA-0401 - *(12/18/2012):* FMIS users with “Project update” privileges shall be able to create a new project detail and this function is subject to the update rules defined in requirement **ASR-PA-0000B** in General Requirements section.

Design Solution – In the Project Information screen (View Mode), the “Project Detail” tab will have an “Add Detail” link available that can be used by the user to create a new project detail record (Figure 4.1). The “Add Detail” link will only be available to users with “Project update” privileges as defined in the requirement above. The “New Project Detail” screen (Figure 4.2) is displayed. This screen will behave like a Modal screen and the user will not be able to access other screens in the system unless the user clicks the “Save” or “Cancel” button in this screen. The user will be able to add the detail information on this screen and click the “Save” button or “Cancel” button to save or cancel the changes.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A: Display Add New Detail form

Sub-Scenario A Test Steps

1. Open the Project Details List tab
2. From the Project Details grid click the ‘Add New Detail’ button
3. _X_ Verify that ‘Add New Detail window opens as a modal window and cannot perform non-Add New Detail action
4. _X_ verify that clicking either the Cancel button or the Window ‘X’ closes the modal window

Sub-Scenario Test A Results

Pass _X_ Fail___

Notes: ____

Sub-Scenario B: Enter minimal data to create a Project Detail

Sub-Scenario B Test Steps

1. From the Project list click the ‘Add Detail’ button
2. _X_ Verify that ‘Add New Detail’ window opens as a modal window and cannot perform non-Add New Detail action
3. _X_ Verify the ‘Recipient ID’ and ‘Federal Project Number’ of the parent project is displayed as a read only
4. _X_ Enter a value in the Program Code field fitting the constraint: [alphanumeric, digits]*4, like ‘04W0’

5. _X_ Once Program Code is entered the following fields need to be populated :
   _X_ Fund Source – fund source for the program code
   _X_ Recode – recode value for the selected program code
   _X_ Detail Number – the next available number for the combination of the Recipient , Federal Project Number and Program Code type needs to be populated
6. _X_ From Improvement Type drop down menu select a value
7. Click the Save button
8. _X_ Verify the Project Detail tab is opened for the newly created Project Detail

Sub-Scenario Test B Results

Pass _X_ Fail___

Notes: Project Detail was saved with warnings.

Sub-Scenario C: Enter data in all fields to create a Project

Sub-Scenario C Test Steps

1. From the Project list click the 'Add Detail' button
2. _X_ Verify that 'Add New Detail window opens as a modal window and cannot perform non-Add New Detail action
3. Program Code:
4. Improvement Type:
5. Detail #:
6. Recode::
7. Fund Source:
8. Withdrawal Area:
9. Prefix:
10. Adv. Construction:
11. Federal Funds:
12. State Funds:
13. Local Funds:
14. Private Funds:
15. Non-Monetary:
16. Other Funds
17. Total Cost(read only calculated field):
18. Federal Share %:
19. Soft Match #:
20. Toll Road:
21. Safety 100%:
22. Temporary Match Waived:
23. Indian Reservation
24. Appalachia
25. Construction

26. Design Build
27. CMGC
28. IsOtherSEPFourteen
29. IsHighwaysForLife
30. VDOT UPC:
31. Click the Save button
32. _X_ Verify the Project Detail tab is opened for the newly created Project Detail

Sub-Scenario Test C Results

Pass_X_ Fail___

Notes: ____

____

Date: ________________ Signature: ____________________________________

ASR-PA-0405 - *(12/18/2012)* The system shall display required field messages appropriately wherever applicable.
Design Solution (for ASR-PA-0404 & 0405): The system will enforce the “Required & Protected Data Rules” for the active detail lines and user supplied fields. The system will also implement the required rules exceptions for the “Limited Statistics Required” projects. The system will display appropriate error messages if an entry is not made in a required field. The system will disable fields as per the Protected Data rules so that the user will not be able modify the information.

Sub-Scenario D: Add New Detail with NO value entered

Sub-Scenario D Test Steps

1. Open Create Project Detail view
2. Without entering any value click on Save button
3. _X_ Verify error message showing Program Code, Improvement Type and Detail Number are required fields

Sub-Scenario Test D Results

Pass _X_ Fail___

Notes: ____

Sub-Scenario E: Add New Detail with ONLY Program Code value entered

Sub-Scenario E Test Steps

1. Open Create Project Detail view
2. Enter only Program Code value, this will add the detail number automatically
3. Click on Save button
4. _X_ Verify error message showing Improvement Type is required a required

Sub-Scenario Test E Results

Pass__ Fail_X__

Notes: __Improvement Type is part of key but requirement for Improvement Type to be editable or not hasn't been decided yet

Scenario II: Update Project Detail

This scenario tests whether a user with Update rights can update a Project Detail.

ASR-PA-0402 - *(12/18/2012):* FMIS users with "Project update" privileges shall be able to edit an existing project detail and save project detail information.

Design Solution: The Project Detail screen in View mode has a "Modify" button available. This button will only be available for users with update privileges to the project (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements section.). To modify a project detail line, the user will click the "Modify" button available in the Project Detail screen to lock the project and to enter Edit Mode. If the project is already locked for modifications, or marked for block signature, by another user, the "Modify" button will be disabled and a message will be displayed identifying the user who has the lock.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A Test Steps

1. Open the 'Project Details List' tab
2. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to edit
3. Click on the 'Modify' button
4. _X_ Verify that 'Edit Project Detail' window opens as a modal window and cannot perform non-Update Detail action
5. _X_ verify that clicking either the Cancel button or the Window 'X' closes the modal window

Sub-Scenario Test A Results

Pass_X_ Fail___

Notes: ____

Sub-Scenario B Test Steps

1. Open the 'Project Details List' tab
2. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to edit

3. _X_ Verify that ‘Update Detail’ window opens as a modal window and cannot perform non-Update Detail action
4. _X_ Verify the ‘Recipient ID’ and ‘Federal Project Number’ of the parent project is displayed as a read only
5. Made change to the fields based on their input requirement
6. Click the Save button
7. _X_ Verify the Project Detail view is refreshed with modified values

Sub-Scenario Test B Results

Pass_X__ Fail_ __

Notes: ____

____

Date: ________________ Signature: ____________________________________

Sub-Scenario C (GIS – requirement)

Sub-Scenario C: Update Detail with Improvement Type category of “GIS Location Required” and there is no GIS Location added to the detail

Sub-Scenario C Test Steps

1. Open the ‘Project Details List’ tab
2. _X_ Open the View Detail view - from the Project Details grid click on the ‘View’ icon of the detail you want to edit, with Improvement Type category of “**GIS Location Required”**
3. Made change to the fields based on their input requirement
4. Click the Save button
5. _X_ Verify the Project Detail tab is opened with updated Project Detail and a warning is displayed showing *“The Improvement Type selected for this detail line requires GIS Location information”*

Sub-Scenario Test C Results

Pass_X_ Fail___

Notes: ____

ASR-PA-0403 - *(12/18/2012)* When the user either adds a new project detail or updates an existing detail, the system shall adhere to all the rules outlined in the tables below.

Design Solution: The Project Detail screen will implement all the rules outlined in the tables below.

Data Element	Description
Recipient Project	Project owner
Federal Project Number (FPN)	Federal number of the project.
Recipient Project Number	Number used by the recipient to identify a project, aka State Project Number. A single recipient project number will be displayed by default. If there are additional recipient project numbers, a "more" button or similar control will be provided to allow the user to scroll through all recipient project numbers for a project.
Version	Displays the version of the project.
Fund Source	Indicates the source of funding for a given Program Code.
Recode	Used for reporting purposes to group like Program codes together. System-generated, protected field.

Data Element	Description	Business Rules
Detail ID		
Program Code	Indicates the category of funds in the new system.	1. Must be on the program code table 2. The program code's Federal Funds Source must be "FMIS Only". 3. Obsolete program code is not valid on a new detail line, unless it already exists on the project. 4. New Detail lines cannot be added for cancelled program codes under any conditions. 5. Obligations cannot be increased within a project for an obsolete program code. Fed funds can be increased on individual detail lines or even new detail lines, but any such increases must be offset by decreases on other

		detail lines. 6. Expired "FMIS Only" program codes are not allowed. 7. The program code may not exist on another project with the same state and project number (project suffix is different). **8. If the Project Type is Emergency Relief, at least one of the program codes on the project should be Emergency Relief program code (limited-statistics-required = 'Emergency Relief'** **9. Must be an SIB Program Code (limited-statistics-required = 'SIB') if Project Type is SIB.** **10. Must be an STP Program Code (limited-statistics-required = 'STP') if Project Type is STP.** 11. When a user enters a demo program code for a non-demo project, the project will be converted to a demo project. 12. **When a user enters an Emergency Relief program code for a non-Emergency Relief project, the project will be converted to an Emergency Relief project.**
Detail Number	Used to identify a portion of work.	1. Numeric integer, length 3. 2. Line number must be unique within a project and program code. 3. The system generates the first available line number for the project and program code (max + 1), but the user has the option to change to another unused line number.
Demo ID	Relates the project to a particular Demonstration Project (Demo). Assigned by the responsible program office.	1. Demo ID will be enabled for new details with demo program codes. 2. When a value for demo ID is entered, a warning message to indicate demo Id cannot be changed after final signature is displayed. 3. Demo ID must exist on an allocation or apportionment for the State and program code.
Detail Status	Used to identify the status of the detail line.	Detail lines can be either withdrawn or active. All money amounts are set to zero on withdrawn detail lines. All other statistics can remain.
Improvement Type	Field which indicates the nature of work involved.	See the "Improvement Type" table below for a complete list of rules regarding usage of

		Improvement Types.
County*	Identifies County in which the detail line is located.	1. Must be a valid County Code. 2. See Geospatial rules for details regarding when user supplied verses derived.
Urbanized Area Code *	Identifies the urbanized Area in which the project is located.	1. Must be an Urbanized Area code as defined by the Census Bureau, or Statewide Planning (SWP), or Small Urbanized Area (SUA) 2. Required for "urban required" program codes. Note: All "urban attributable" codes are also "urban required" 3. If program code is urban attributable, urbanized area must refer to an urbanized area with a population of at least 200,000. Urban required program codes that are not urban attributable can use any valid urbanized area as well as SWP and SUA. 4. Urbanized area codes '000', 'NAV' are obsolete. These values must be changed to another value when modifying a detail line and are not allowed when adding a detail line. **5.** FMIS 4 Urbanized area codes shall be converted to their equivalent 2010 Census Bureau codes. This conversion shall occur both for apportionments and project detail data, and will apply to both historical and current apportionment and project data. **6.** FMIS 4 Urbanized area codes values which don't have an equivalent Census Bureau code, and which are associated with at least one apportionment on the FMIS 4 data base, will migrated "as is" to FMIS 5. FMIS 5 will not restrict the use of such codes. This means that users will be able to increase or decrease obligations, add detail lines, etc., subject to over-obligation checks and all other typical project validations. **7.** Some program codes require all detail lines within the same project which refer to that code to have the same urbanized area. "Many urban areas allowed" is a property of the program code **8.** Urbanized area may not be selected when county is Statewide 9. See Geospatial rules for details regarding

		when user supplied verses derived
Withdrawal Area	Identifies the withdrawal area codes for projects using Interstate Transfer funds.	1. Must be a valid Withdrawal Area for withdrawal-attributable program codes. 2. Not allowed on detail lines having non-withdrawal-attributable program codes.
Congressional* District	Identifies the Congressional district in which the project is located.	1. Must be a valid congressional district for the State 2. Required for States that have congressional districts, except when county is statewide, in which case district is not allowed. 3. See Geospatial rules for details regarding when user supplied verses derived
Percent of Detail Funds*	Bridge or tunnel detail line: The percentage of detail funds that is assigned to a particular bridge or tunnel. Other detail line: The percentage of detail funds that is assigned to a unique County, Urbanized Area (when present), and Congressional District(when present)	1. The sum of all congressional district percent's must be equal to 100%. 2. Required for each Congressional District
Note: Urban or Rural, Functional System, Federal Aid System, "General Ownership" will be derived from LRS data rather than being State-supplied through EDS or the online screens. These items are not presented to the user on LRS lines (drill-down is available) These items must still be State-supplied on off-roadway lines, along with county, urbanized area, and congressional district.		
Urban or Rural	Used to indicate whether a project is located in an urban or rural area.	1."U" is required when: a. Urbanized area is selected on the detail line OR b. Detail line is for a DC and PANYNJ project 2. If the detail line is statewide and State is other than DC or PANYNJ, Urban/Rural must be blank 3. If Urban/Rural is not required to be either "U" or blank and Program Code is an HRRR, Default to Rural. If the user changes it to another value, ask for confirmation. 4. Selection of Urban or Rural is required when county code other than statewide . 5. See Geospatial rules for details regarding when user supplied verses derived

Functional System	Field which groups streets and highways into classes, or systems, according to the character of service they provide. **Values:** Interstate Principal Arterial – Other Freeways and Expressways Principal Arterial – Other Minor Arterial Major Collector Minor Collector Local No Functional Class	1. Functional System must be "Interstate", "Other Principal Arterial" or "Freeways & Expressway" when System Code is "Interstate." 2. Functional System cannot be "Interstate", "Other Prin. Arterial" or "Freeways and Express ways" when System Code is "Not on any Federal-aid System." 3. See Geospatial rules for details regarding when user supplied verses derived
System Code	Identifies the Federal-Aid Highway System on which a project is located.	Must be a valid Federal-aid Highway System. Possible values are 1. Interstate 2. NHS non-Interstate 3. Not on any Federal-aid system 4. Other Federal-aid Highway See Geospatial rules for details regarding when user supplied verses derived
General Ownership	Identifies the ownership of the roadway on the detail line.	Required when 1.Program code belongs to recode 963 HSIP or 964 HRRR OR 2.When improvement type on the detail is Safety (21, 57) OR 3.When the safety indicator on the detail line is marked Y. Possible values are: 1. State 2. Local 3. Other See Geospatial rules for details regarding when user supplied verses derived
Last Action Date	Date of last activity on a given detail line.	System generated value. This date is updated each time the detail line is saved.
Toll Facility	Indicates Toll Facilities financed with Federal Funds.	Must be Y or N
Safety 100%	100% Safety is eligible for 100% Federal Share.	The Program Code must be eligible for 100% safety if Safety 100% is set to 'Y'. Eligibility is indicated by a Y/N indicator on the program code.

Temporary Match Waived	Indicates funds waived of the State matching share requirement.	Must be Y or N
Indian Reservation	Identifies whether the project is on an Indian Reservation.	Must be Y or N
Construction	Identifies whether the project is a construction project.	1. Must be Y or N 2. When Construction indicator is Y, Improvement Type must be a valid Construction Improvement Type
Design Build	An agreement that provides for design and construction by a contractor, regardless of whether the agreement is in the form of a design build contract, franchise agreement or any other form of contract approved by the Secretary.	Must be Y or N, default is N
CMGC	Construction Manager/General Contractor	Must be Y or N, default is N
Other SEP14	FHWA's special Experimental Project No. 14 that allows the states to use alternative project delivery or alternative contracting procedures.	Must be Y or N, default is N
Hwys for Life		Must be Y or N
Appalachia		Must be Y or N. Defaulted to N for new detail lines.

Fund Amounts	Description	Business Rules
Advance construction amount	The amount of AC that has been converted to federal funds.	1. Can be entered only when advance-construction-allowed indicator for the program code = Y. 2. System will track the amount that was converted between detail lines within the project.
Federal Funds	Federal Obligations for this segment of the project.	
Percent Federal Share	Percentage of Federal Funds versus Total Cost of	1. Percent cannot exceed 100%.

	this segment of the project.	
State Funds	Total of State Funds used to finance this segment of the project.	
Local Funds	Total of local funds used to finance this segment of the project.	
Private Matching Funds	Private donations/contributions towards this segment of the project.	
Value of Non-Monetary Donations	Total value of all non-monetary contributions towards this segment of the project (i.e., land, equipment, etc.).	
Other funds amount	Other funds towards this segment of the project	
Total Cost	Total of all funds used to finance this segment of the project.	1. Without exception, this item shall be calculated by summing the other fund amounts. 2. This item shall carry dollars and cents for consistency with other money amounts.
Advanced construction converted funds	Total funds that have been converted from AC to Federal Funds.	
Soft Match amount	Soft match amt.	
NBI Number	National Bridge Inventory Number	1. 0 to n NBI numbers may be present on a single detail line. A maximum of 200 NBI numbers will be supported on per project. 2. Must be the "best" bridge number for the span, as indicated by the NBI database. 3. Obsolete NBI number must be updated to the "best" bridge number if an existing detail line is updated. 4. The same structure may not be referenced twice on the same detail line.
Route ID*	Unique identifier of a roadway segment from each State's own Linear	See "Geospatial Business Rules" for details.

	Reference System.	
Beginning Mile Point*	The starting point for the physical location of the project detail line	See "Geospatial Business Rules" for details.
Ending Mile Point*	The ending point for the physical location of the project detail line	See "Geospatial Business Rules" for details.
Tunnel Number*	Structure number of the tunnel	1. 0 to n tunnel numbers can be entered for a single project detail. 2. The tunnel numbers are subject to duplicate checking. Duplicate numbers are not allowed. 3. Must be **a valid** tunnel number.
Project Prefix	Character item which corresponds with given funding categories.	
Detail Recipient Defined Fields	A data item that has been named by the State for its own purposes.	Same rules as on Project Summary screen
Detail Division Defined Fields	A data item that has been named by the Division for its own purposes.	Same rules as on Project Summary screen

Prerequisites:
1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A: Create a Project Detail with all field values entered

Sub-Scenario a Test Steps
1. From the Project list click the 'Add Detail' button
2. _X_ Verify that 'Add New Detail window opens as a modal window and cannot perform non-Add New Detail action
3. Program Code:
4. Improvement Type:
5. Detail #:
6. Recode::
7. Fund Source:
8. Withdrawal Area:
9. Prefix:
10. Adv. Construction:
11. Federal Funds:
12. State Funds:

13. Local Funds:
14. Private Funds:
15. Non-Monetary:
16. Other Funds:
17. Total Cost(read only calculated field):
18. Federal Share %:
19. Soft Match #:
20. Toll Road:
21. Safety 100%:
22. Temporary Match Waived:
23. Indian Reservation:
24. Appalachia:
25. Construction:
26. Design Build:
27. CMGC:
28. IsOtherSEPFourteen:
29. IsHighwaysForLife:
30. User Defined Fields:
31. Click the Save button
32. _X_ Verify the Project Detail tab is opened for the newly created Project Detail

Sub-Scenario Test A Results

Pass _X__ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Sub-Scenario B: Display Demo Id message

Sub-Scenario B Test Steps

1. From the Project list click the 'Add Detail' button
2. _X_ Verify that 'Add New Detail' window opens as a modal window and cannot perform non-Add New Detail action
3. _X_ Verify a demo Id Message is displayed: *"Demo Id cannot be changed after final signature is applied"*

Sub-Scenario Test B Results

Pass _X__ Fail___

Notes: ____

____

Date: ________________ Signature: ______________________________________

Sub-Scenario C: Assign Withdrawal Area value for detail with Non Withdrawal Attributable program code

Sub-Scenario C Test Steps

1. From the Project list click the 'Add Detail' button
2. _X_ Verify that 'Add New Detail' window is opened
3. Enter a Program Code that is "Non Withdrawal Attributable"
4. Enter all the required fields
5. Enter Withdrawal Area value
6. Click on Save button
7. _X_ Verify that create detail failed and an Error message is displayed with message: *"Withdrawal Area value is not allowed. Program code is not Withdrawal Area attributable"*

Sub-Scenario Test C Results

Pass _X__ Fail___

Notes: ____

____

Date: ________________ Signature: ______________________________________

Scenario III: Copy Project Detail

This scenario tests whether a user with Update rights can copy a Project Detail

ASR-PA-0406 - *(12/18/2012):* The system shall allow the user to copy detail line (excluding funds). The use of this function shall be subject to the rules defined in the "Update Rules" requirement in the General System Requirements section of this document. An exact copy of the detail line shall be created, with the exception of the following elements, which are set as follows on the new detail line:

a. A new detail number is assigned, and the user has the option to change it.
b. Last Action Date reflects date and time the detail line was copied.

c. All money amounts are zero, and the user must supply values.

User supplied percentages in the sub-detail should be nullified, or reset to FMIS-assigned default values when such exist (defaulted to 100% when there is only one county, defaulted to a pro-rata of mileage when specific routes are involved, etc.).

Design Solution: The system will allow the authorized users to make an exact copy of a detail line (excluding funds) by using the "Copy" button available on the Project Detail screen. The "Copy" button will only be available to the users with project update authority (Refer to the "Update Rules" requirement in the General System Requirements section of this document). When the user clicks the Copy button, the "New Project Detail" screen (Figure 4.2) will be displayed with an exact copy of the detail line, with the exceptions as mentioned in the above requirement.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A: Copy Detail form in modal

Sub-Scenario A Test Steps

1. Open the 'Project Details List' tab
2. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to copy
3. From the project detail view Click on the 'Copy' button
4. _X_ Verify that 'Copy Project Detail' window opens as a modal window and cannot perform non-Add New Detail action
5. _X_ Verify that the all the fields except Fund Information are assigned with values from the existing detail
6. Change the Program Cod value
7. _X_ Verify the Detail Number field is populated with the next available number for Recipient, Project Number and Program Code combination
8. Click on Save button
9. __ Verify the Project Detail view is refreshed with new project detail modified values :
   a. _X_ Verify a new detail number is assigned, and the user has the option to change it.
   b. _X_ Verify Last Action Date reflects date and time the detail line was copied.
   c. _X_ Verify all money amounts are zero, and the user must supply values.
   d. _X_ User supplied percentages in the sub-detail should be nullified, or reset to FMIS-assigned default values when such exist (defaulted to 100% when there is only one county, defaulted to a pro-rata of mileage when specific routes are involved, etc.).

Sub-Scenario Test A Results

Pass _X_   Fail___

Notes: _

Scenario IV: View Detail

This scenario tests whether a user can view a Project Detail.
Requirement - ASR-PA-0302, 0303

ASR-PA-0302 - *(12/18/2012):* All users with access to the system will have access to this screen.

ASR-PA-0303 - *(12/18/2012):* The information that shall be displayed in Project Detail View screen is listed in tables below: All fields shall be read-only.

Design Solution (for ASR-PA-0301, 0302 & 0303) – The Project Information screen (View Mode) contains the "Project Details" tab that lists all the detail records for the project (Figure 3.1). The user will be able to view a project detail record by clicking the "View" icon to the left of the desired Project Detail Line in the grid. The Project Detail screen in View mode is displayed to the user (Figure 3.2). The project details view consists of a single screen that will list all the data elements as per the above requirement and divided into various sections. The data will be displayed in read-only form.

Data Element	Description
Recipient	Project Owner
Federal Project Number (FPN)	Federal number of the project.
Recipient Project Number	Number used to identify the project. A single recipient project number will be displayed by default. If there are additional recipient project numbers, a "more" button or similar control will be provided to allow the user to scroll through all recipient project numbers for a project.
Version	Displays the version of the project.
Fund Source	Indicates the source of funding for a given Program Code.
Recode	Used for reporting purposes to group like Program codes together. System-generated, protected field.
Last Action Date	Date of last activity on a given detail line.
Program Code	Indicates the category of funds in the new system.
Detail Number	Used to identify a portion of work.
Demo ID	Relates the project to a particular Demonstration Project (Demo). Assigned by the responsible program office.
Detail Status	Used to identify the status of the detail line.
Improvement Type	Field which indicates the nature of work involved.
County	Identifies County in which the detail line is located.
Urbanized Area Code	Identifies the urbanized Area in which the project is located.
Withdrawal Area	Identifies the withdrawal area codes for projects using Interstate Transfer funds.
Congressional District	Identifies the Congressional district in which the project is located.

Percent of Detail Funds	Bridge or tunnel detail line: The percentage of detail funds that is assigned to a particular bridge or tunnel. Other detail line: The percentage of detail funds that is assigned to a unique County, Urbanized Area (when present), and Congressional District(when present)
Urban or Rural	Used to indicate whether a project is located in an urban or rural area.
Functional System	Field which groups streets and highways into classes, or systems, according to the character of service they provide. **Values:** Interstate Principal Arterial – Other Freeways and Expressways Principal Arterial – Other Minor Arterial Major Collector Minor Collector Local No Functional Class
System Code	Identifies the Federal-Aid Highway System on which a project is located.
General Ownership	Identifies the ownership of roadway.
Toll Facility	Indicates Toll Facilities financed with Federal Funds.
Safety 100%	100% Safety is eligible for 100% Federal Share.
Temporary Match Waived	Indicates funds waived of the State matching share requirement.
Indian Reservation	Identifies whether the project is on an Indian Reservation.
Construction	Identifies whether the project is a construction project.
Design Build	An agreement that provides for design and construction by a contractor, regardless of whether the agreement is in the form of a design build contract, franchise agreement or any other form of contract approved by the Secretary.
CMGC	Construction Manager/General Contractor
Other SEP14	FHWA's special Experimental Project No. 14 that allows the states to use alternative project delivery or alternative contracting procedures.
HWYS for Life	
Appalachia	
Advance construction amount	The amount of AC that has not been converted to federal funds.
Federal Funds	Federal Obligations for this segment of the project.
Percent Federal Share	Percentage of Federal Funds versus Total Cost of this segment of the project.

State Funds	Total of State Funds used to finance this segment of the project.
Local Funds	Total of local funds used to finance this segment of the project.
Private Matching Funds	Private donations/contributions towards this segment of the project.
Value of Non-Monetary Donations	Total value of all non-monetary contributions towards this segment of the project (i.e., land, equipment, etc.).
Other funds amount	Other funds towards this segment of the project
Total Cost	Total of all funds used to finance this segment of the project.
Advance construction converted funds	Total funds that have been converted from AC to Federal Funds.
Soft Match amount	Soft match amount.
NBI Number	National Bridge Inventory Number
Route ID	Unique identifier of a roadway segment from each State's own Linear Reference System.
Beginning Mile Point	The starting point for the physical location of the project detail line
Ending Mile Point	The ending point for the physical location of the project detail line
Tunnel Number	Structure number of the tunnel
Project Prefix	Character item which corresponds with given funding categories.
Detail Recipient Defined Fields	A data item that has been named by the State for its own purposes.
Detail Division Defined Fields	A data item that has been named by the Division for its own purposes.

Table 3.1 Information displayed in project detail view

Prerequisites:

1. Log in to the FMIS 5 application

<u>Sub-Scenario A: View a detail</u>

Sub-Scenario A Test Steps

1. Open the 'Project Details List' tab
2. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to copy
3. From the project detail view Click on the 'Copy' button
4. _X_ Verify project Detail view is opened
5. _X_ Verify the following fields are displayed:

- Recipient ID :
- Federal Project Number :
- Recipient Project Number:

- Version
- Fund Source
- Recode
- Last Action Date
- Program Code:
- Detail #:
- Demo ID
- Detail Status
- Improvement Type:
- Withdrawal Area:
- Toll Facility:
- Safety 100%:
- Temporary Match Waived:
- Indian Reservation
- Construction
- Design Build
- CMGC
- Other SEP14
- HWYS for Life
- Appalachia
- Adv. Construction
- Federal Funds
- State Funds
- Local Funds
- Private Funds
- Non-Monetary
- Other Funds
- Total Cost(read only calculated field)
- Advance construction converted funds
- Federal Share %
- Soft Match #
- Project Prefix

User Defined Fields

Sub-Scenario Test A Results

Pass _X__ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Prerequisites:
1. Log in to the FMIS 5 application

Sub-Scenario B: Hide Modify and Copy buttons for users with no Update right

Sub-Scenario B Test Steps
1. Set User No Update Right to a Recipient
2. Open a Project for a Recipient that the user has no right to update
3. Open the 'Project Details List' tab
4. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail record
5. _X_ Verify project Detail view is opened
6. _X_ Verify the "Modify" and "Copy" buttons are not displayed

Sub-Scenario Test B Results

Pass ___ Fail _X__

Notes: ____

____

Date: ________________ Signature: ____________________________________

Requirements - ASR-PA-0304

ASR-PA-0304 - *(12/18/2012):* The system shall allow the user to copy a detail line (excluding funds)

Design Solution: The Project Details tab in View mode has the "Copy" button. This button will be available only for users with update privileges to the project (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements section.) The user can click the "Copy" button available in the Project Detail screen (Figure 3.2) and the "New Project Detail" screen is displayed with all the information from the detail record being copied except for the funding information (all fund amount are set to zero). The user will be able to modify the funding and other information and save the changes.

Prerequisites:
1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A: Allow user to Copy a detail to create a new detail

Sub-Scenario A Test Steps
1. Set User No Update Right to a Recipient
2. Open a Project for a Recipient that the user has no right to update
3. Open the 'Project Details List' tab

4. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to copy
5. From the project detail view Click on the 'Copy' button
6. _X_ Verify that 'Copy Project Detail' window opens as a modal window and cannot perform non-Copy Detail action
7. _X_ Verify that the all the fields except Fund Information are assigned with values from the existing detail

Sub-Scenario Test A Results

Pass _X__ Fail___

Notes: ____

____

Date: ________________ Signature: _____________________________________

Requirement - ASR-PA-0305

ASR-PA-0305 - *(12/18/2012):* The system shall allow the user to view a detail history report which displays fund amounts for the detail line across all Standard reporting time periods that apply.

Design Solution: A button labeled "History Report" will be provided at the top (and bottom) of the Project Detail screen (Figure 3.2) that the user can click to generate the detail history report. *Since the History Report layout has not been finalized, the functionality of the "History Report" button will be implemented as part of the Reports module.*

Prerequisites:

1. Log in to the FMIS 5 application

Sub-Scenario A: View History of a detail

Sub-Scenario A Test Steps

1. Open the 'Project Details List' tab
2. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail record
3. _X_ Verify project Detail view is opened
4. _X_ Verify the History button is displayed
5. Click on History button

Sub-Scenario Test A Results

Pass _X__ Fail___

Notes: ____

____

Date: ________________ Signature: _____________________________________

Requirement - ASR-PA-0306

ASR-PA-0306 - *(12/18/2012):* The user shall be able to modify information of the selected project detail line, as long as the user has update privileges to the project (Refer to the "UPDATE RULES" requirement in the General Requirements section.).

Design Solution: To modify a project detail line, the user will click the "Modify" button available in the Project Detail screen to lock the project and to enter Edit Mode. If the project is already locked for modifications or marked for block signature by another user, the "Modify" button will be disabled and a message will be displayed identifying the user who has the lock.

Prerequisites:

1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A: User with Update privileges can update a detail

Sub-Scenario A Test Steps

1. Open the 'Project Details List' tab
2. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to edit
3. Click on Modify button
4. _X_ Verify that 'Update Detail' window opens as a modal window and cannot perform non-Update Detail action
5. _X_ Verify the Modify view is opened with editable controls and 'Recipient ID' and 'Federal Project Number' of the parent project is displayed as a read only
6. __ Verify that the user is able to see History of the detail

Sub-Scenario Test A Results

Pass ___ Fail _X__

Notes: ____

____

Date: ________________ Signature: ____________________________________

Scenario V: Convert Advance Construction

This scenario tests whether a user with Update right can Convert Advance Construction.
Requirements - ASR-PA-0307, 0307, 0309, 0310

ASR-PA-0307*(12/18/2012):* – The system shall allow users with project update privileges (Refer to the "UPDATE RULES" ASR-PA-0000B requirement in the General Requirements.) to convert Advanced Construction to federal funds. The following rules are true for AC Conversion.

1. The conversion amount may be all or part of the AC amount.
2. AC converted amount and federal funds amount shall both be incremented by the conversion amount.
3. AC amount shall be decremented by the conversion amount.

ASR-PA-0308 – System shall allow users to convert funds to the same detail line. In more than 80% of cases, AC funds are converted to federal funds on the same detail line.

ASR-PA-0309 – System shall allow users to convert funds to the other existing detail lines. For such scenarios the following rules shall apply:

a. Federal funds amount on a target detail line other than the source detail line are incremented by the conversion amount. "Source detail" refers to the detail line from which AC funds are being converted.
b. Last action date on the target line shall be updated.
c. The user shall have the option to transfer some or all of each fund amount from the source detail line to the target detail line. The amount on the target detail line shall be incremented by the transfer amount and the amount on the source detail line shall be decremented by the transfer amount.

ASR-PA-0310 – System shall allow users to convert funds to a new detail line. In such a scenario, a new detail line shall be created as a result of the conversion. Each element on the new detail line shall carry the same value as on the source detail line, except for the following:

a. Federal funds shall be set equal to the conversion amount.
b. AC, soft match, and AC converted amounts amount shall be set to 0
c. Fund amounts other than AC and federal funds shall default to 0 unless funds have been transferred from the source detail line
d. Program code and detail number shall be user supplied.
e. The source and target program codes may not have compatible data requirements, therefore the new detail line will need to be fully validated and the user will need to be prompted to address any such issues. Example: If a non-demo detail line is created from a demo detail line, the user will need to remove demo ID from the new detail line.
f. If the data requirements for the new created detail line cannot be met from the AC Conversion screen, then the user shall be instructed that the new detail line could not be created and that the user will need to create a new detail screen using the Add Detail function and then attempt the AC Conversion.

Design Solution (for ASR-PA-0307 thru 0310): In the Project Detail screen (view mode), the "Convert" button will be available next to the "Adv. Construction" field if the advanced construction fund is greater than zero. When user clicks on the 'Convert' button on the 'Project Detail' screen, the AC Conversion screen will be displayed (Figure 3.3). This screen will provide the user the capability for converting all or part of AC amount to Federal funds.

The AC Conversion screen will have two general sections: ‘Source Detail’ and ‘Destination Detail Lines’. The ‘Source Detail’ section is a ‘view only’ display of the information (Detail Number, Program Code, and Demo ID) pertaining to the source detail line. “Source detail” refers to the detail line from which AC funds are being converted.
The ‘Destination Detail Lines’ section is a grid that displays all the detail lines for the project. When the user selects a detail line from the “Destination Detail Lines” grid, the section below the grid displays the selected detail. The “Current Funds” column at the bottom of the screen displays the fund amounts of the source detail line and the “Conversion Amount” column is where the user will enter the amount to be converted from AC funds on the source detail line to the Federal Funds on the destination detail line.

Conversion to Same Detail line:

Since in more than 80% of cases AC funds are converted to federal funds on the same detail line, the AC Conversion screen will default to this scenario (Figure 3.3). In this scenario, the detail line from which AC funds are being converted is selected in both the source and the destination section (Detail# 32 in the screenshot). The “Current Funds” column displays the current fund amounts for the source detail line (detail# 32) and the user can enter the amount to be converted to the federal funds in the “Federal Funds” field under the “Conversion Amount” column. Once the user enters the conversion amount in the “Conversion Amount” column and clicks OK button, the following changes corresponding to the AC Conversion action is applied to the detail record (source & destination detail records were the same in this scenario).

1. Adv. Construction converted amount and federal funds amount will both be incremented by the conversion amount.
2. Adv. Construction amount will be decremented by the conversion amount.

As with the other project changes, this change will need to go through the State and division signature process and after the successful final division signature this change in funds gets applied to the Current version of the project.

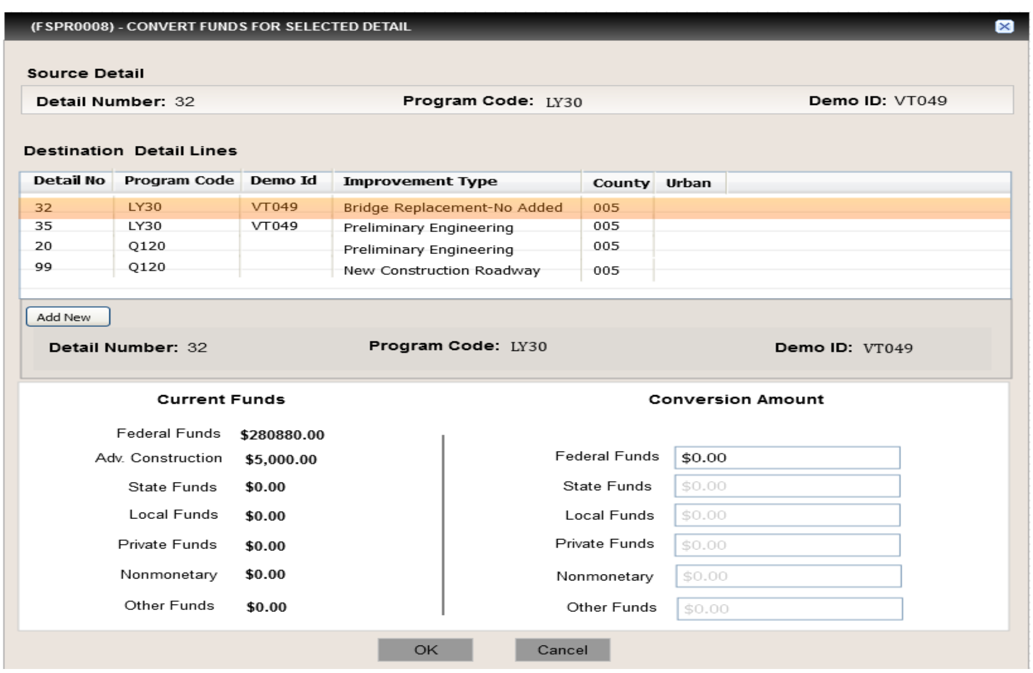

Figure 3.3 AC Conversion Screen (Source and Destination detail are same)

Conversion to another existing detail line:

If the user needs to convert funds to another detail line, the user can select the appropriate detail line from the “Destination Detail Lines” grid (Figure 3.4). The “Current Funds” column displays the current fund amounts for the source detail line and the user can enter the amount to be converted to the federal funds in the “Federal Funds” field under the “Conversion Amount” column. Once the user enters the conversion amount and clicks OK button, a “pending” version of the project is created and the following changes corresponding to the AC Conversion action is applied to the source and the destination detail line.

a. Federal funds amount on the destination detail line is incremented by the conversion amount and the Adv. Construction amount on the source detail line is decremented by the conversion amount
b. Adv. Construction converted amount is incremented by the conversion amount in the source detail line
c. Last action date on the destination detail line is updated.

As with the other project changes, this change will need to go through the State and division signature process and after the successful final division signature this change in funds gets applied to the Current version of the project.

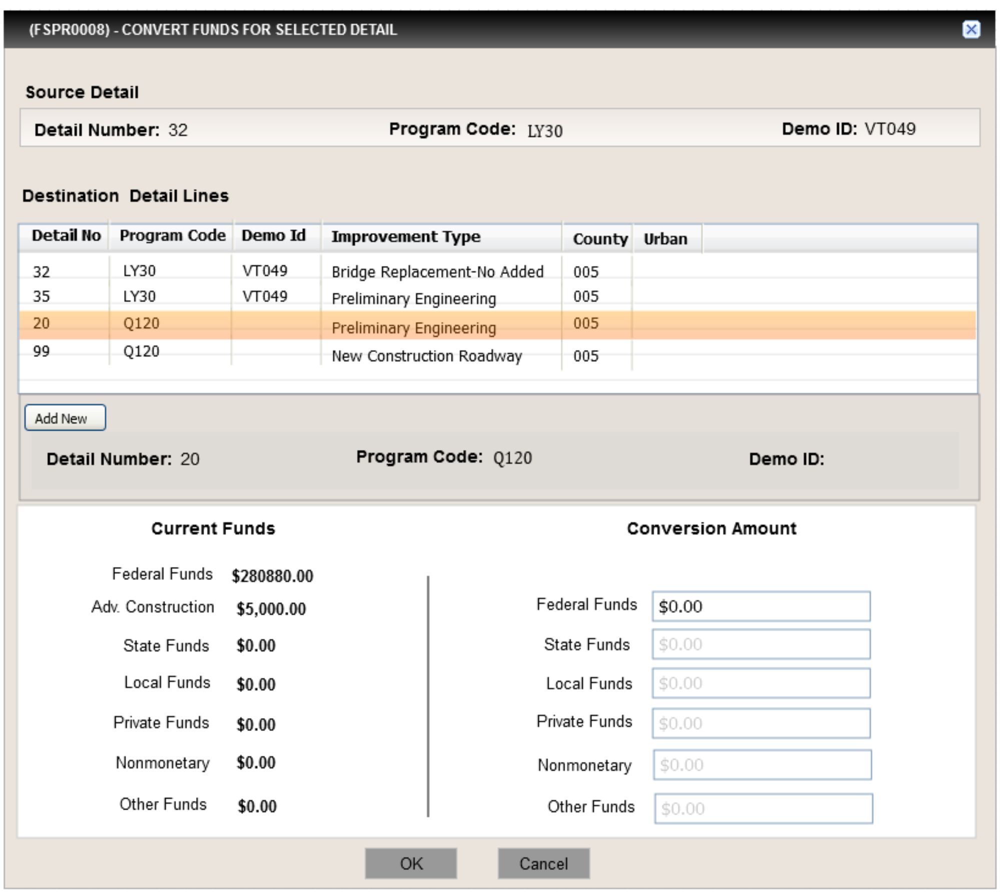

Figure 3.4 AC Conversion Screen showing conversion to an existing detail line

Conversion to a new detail line:

If the user needs to convert funds to a new detail line, they will be able to do so by clicking the "Add New" button available below the "Destination Detail Lines" grid to enter the information about the new detail line (Detail#, Program Code, Demo ID) (Figure 3.5). The next available detail number for the project and program code is displayed in the Detail Number field, but the user has the option to change to another unused detail number.
The "Current Funds" column displays the current fund amounts for the source detail line and the user can enter the conversion amount in the "Federal Funds" field under the "Conversion Amount" column. Once the user enters the conversion amount and clicks the OK button, a "pending" version of the project is created and a new detail line is also created. Each element on the newly created detail line will carry the same value as on the source detail line, except for the following:

a. Federal funds will be set equal to the conversion amount.
b. Adv. Construction, soft match, and Adv. Construction converted amounts will be set to 0
c. Fund amounts other than federal funds will default to 0 unless funds have been transferred from the source detail line

The following validations will be in place while creating a new detail line:

1) The program codes in the source and destination detail lines might not have compatible data requirements, therefore the new detail line will be fully validated and the user will be prompted to address any such issues. Example: If a non-demo detail line is created from a demo detail line, the user will need to remove demo ID from the new detail line.

2) If the data requirements for the new created detail line cannot be met from the AC Conversion screen, then the user will be provided an alert message informing that the new detail line could not be created due to different data requirements between the source and destination detail lines and that the user will need to create the new detail screen using the Add Detail function and then attempt the AC Conversion function.

As with the other project changes, this change will also need to go through the State and division signature process and after the successful final division signature this change in funds gets applied to the Current version of the project.

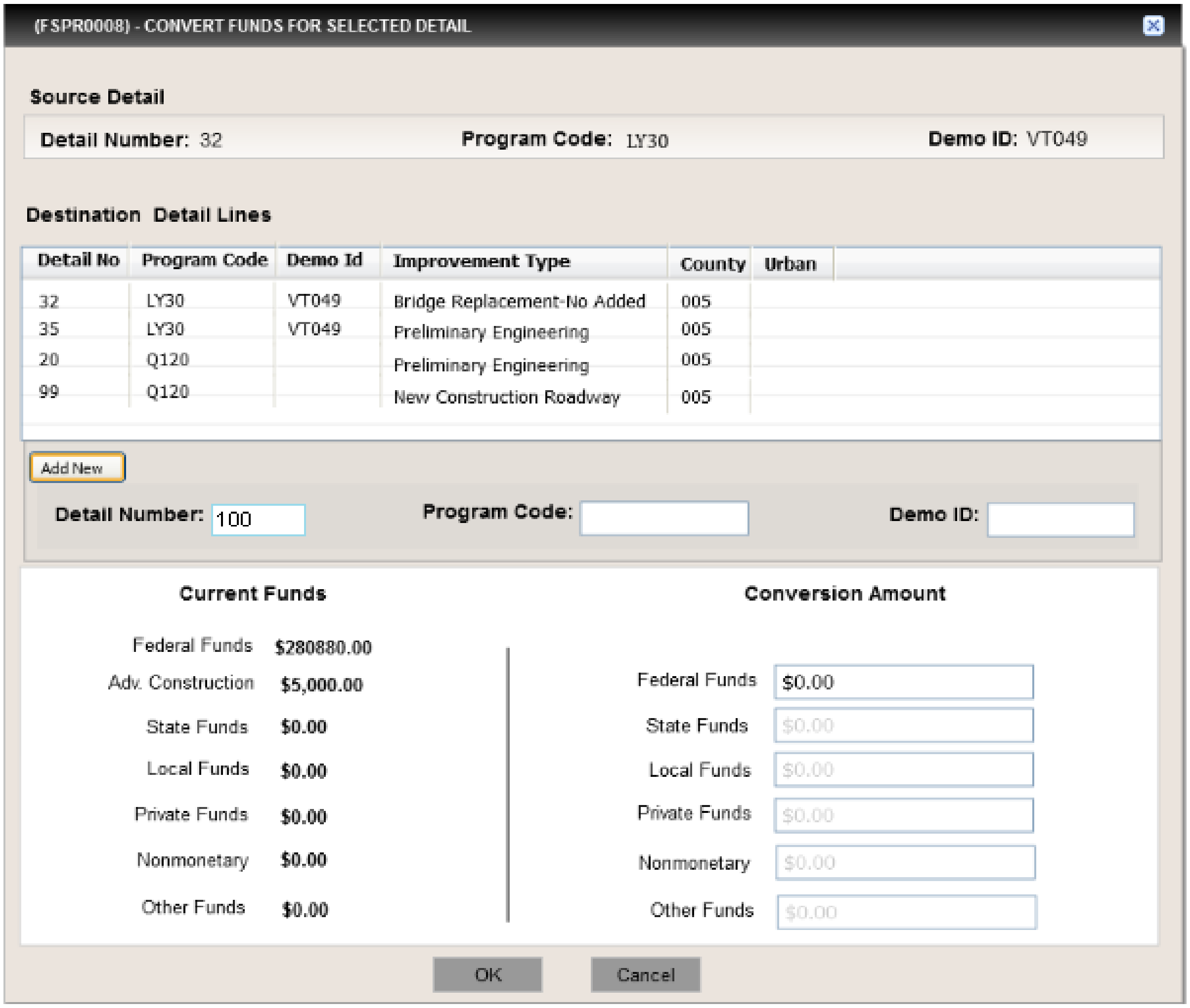

Figure 3.5 AC Conversion Screen displaying the entry fields for new detail line.

Prerequisites:
1. Log in to the FMIS 5 application
2. Home State is District of Columbia
3. Have Update rights only for the District of Columbia
4. No Signature rights at any level

Sub-Scenario A: Convert Advance Construction Funds (ASR-PA-0307)

Sub-Scenario A Test Steps
1. Set User No Update Right to a Recipient
2. Open a Project for a Recipient that the user has no right to update
3. Open the ‘Project Details List’ tab
4. _X_ Open the View Detail view - from the Project Details grid click on the ‘View’ icon of the detail you want to copy
5. From the project detail view “Funding” section Click on the ‘Convert” button

6. _X_ Verify that ‘Convert Advance Construction’ window opens as a modal window and cannot perform non-Convert Advance Construction action
7. Enter Fund values in Conversion Amount sections
8. Click on Save button
9. __ Verify that ::
    a. _X_ The conversion amount may be all or part of the AC amount.
    b. _X_ AC converted amount and federal funds amount shall both be incremented by the conversion amount.
    c. _X_ AC amount shall be decremented by the conversion amount.

Sub-Scenario Test A Results

Pass _X__ Fail ___

Notes: ____

____

Date: _________________ Signature: ____

Sub-Scenario B: Transfer Funds using Convert Advance Construction Funds (ASR-PA-0309)

Sub-Scenario B Test Steps

1. Set User No Update Right to a Recipient
2. Open a Project for a Recipient that the user has no right to update
3. Open the ‘Project Details List’ tab
4. _X_ Open the View Detail view - from the Project Details grid click on the ‘View’ icon of the detail you want to copy
5. From the project detail view “Funding” section Click on the ‘Convert” button
6. _X_ Verify that ‘Convert Advance Construction’ window opens as a modal window and cannot perform non-Convert Advance Construction action
7. Enter Fund values in Conversion Amount sections
8. Click on Save button
9. _X_ Verify that funds are transfer between detail:

    a. _X_ Federal funds amount on a target detail line other than the source detail line are incremented by the conversion amount. “Source detail” refers to the detail line from which AC funds are being converted.
    b. _X_ Last action date on the target line shall be updated.
    c. _X_ The user shall have the option to transfer some or all of each fund amount from the source detail line to the target detail line. The amount on the target detail line shall be incremented by the transfer amount and the amount on the source detail line shall be decremented by the transfer amount.

Sub-Scenario Test B Results

Pass _X__ Fail ___

Notes: ____

____

Date: _________________ Signature: ____

Sub-Scenario C: Convert Advance Construction Funds- Default value for Federal Fund (ASR-PA-0308)

Sub-Scenario C Test Steps

1. Set User No Update Right to a Recipient
2. Open a Project for a Recipient that the user has no right to update
3. Open the 'Project Details List' tab
4. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to copy
5. From the project detail view "Funding" section Click on the 'Convert" button
6. _X_ Verify that 'Convert Advance Construction' window opens as a modal window and cannot perform non-Convert Advance Construction action
7. _X_ Verify Federal Fund value in the Conversion Amount section is set to the source detail Federal Fund amount
8. Enter Fund values in Conversion Amount sections
9. Click on Save button
10. _X_ Verify that:
    a. _X_ The conversion amount may be all or part of the AC amount.
    b. __ AC converted amount and federal funds amount shall both be incremented by the conversion amount.
    c. _X_ AC amount shall be decremented by the conversion amount.

Sub-Scenario Test C Results

Pass ___ Fail _X__

Notes: AC Converted Amount didn't get updated

Date: _________________ Signature: ____

Sub-Scenario D: Create Detail with funds using Convert Advance Construction Funds (ASR-PA-0310)

Sub-Scenario D Test Steps

1. Set User No Update Right to a Recipient
2. Open a Project for a Recipient that the user has no right to update
3. Open the 'Project Details List' tab
4. _X_ Open the View Detail view - from the Project Details grid click on the 'View' icon of the detail you want to copy
5. From the project detail view "Funding" section Click on the 'Convert" button

6. _X_ Verify that ‘Convert Advance Construction’ window opens as a modal window and cannot perform non-Convert Advance Construction action
7. Click on “Add Detail” button
8. Provide Detail # and Program Code values
9. Enter Fund values in Conversion Amount sections
10. Click on Save button
11. _X_ Verify that New Detail is created and:

    a. _X_ Federal funds shall be set equal to the conversion amount.
    b. _X_ AC, soft match, and AC converted amounts amount shall be set to 0
    c. _X_ Fund amounts other than AC and federal funds shall default to 0 unless funds have been transferred from the source detail line
    d. _X_ Program code and detail number shall be user supplied.
    e. __ The source and target program codes may not have compatible data requirements, therefore the new detail line will need to be fully validated and the user will need to be prompted to address any such issues. Example: If a non-demo detail line is created from a demo detail line, the user will need to remove demo ID from the new detail line.
    f. __ If the data requirements for the new created detail line cannot be met from the AC Conversion screen, then the user shall be instructed that the new detail line could not be created and that the user will need to create a new detail screen using the Add Detail function and then attempt the AC Conversion.

Sub-Scenario Test D Results

Pass _ X _ Fail ___

Notes: Not decided which view to show after a failed create (Detail view for source Detail, or Create Detail view with the data populate

Date: ________________ Signature: ____

Scenario VI: Requirements addressed in Project Information screen requirement

This scenario describes requirements already addressed in Project Information.

ASR-PA-0407 - *(12/18/2012):* The system shall allow users to withdraw detail lines. Use of this function shall be subject to the rules defined in the “Update Rules section of this document.

Design Solution: The design solution and screenshot that addresses this requirement is described in the Project Information screen requirement - **ASR-PA-0208.**

ASR-PA-0408 - *(12/18/2012):* Withdrawal of a new detail line shall result in physical removal of the line from the data base. A new detail line is one that exists on a Pending project, but not on the Current version of the same project.

Design Solution: When a new detail line in the pending version of the project is withdrawn, the detail line will be removed from the database and such detail lines cannot be re-established but only be recreated.

ASR-PA-0409 - *(12/18/2012):* Withdrawal of an existing detail line causes it to be

marked withdrawn, with money amounts set to zero, and all other detail statistics left unchanged. An existing detail line is one where program code + line number do exist on the Current version of the same project.
Design Solution: When an existing detail line is withdrawn, the status of the detail line will be set to “Withdrawn” and all the money amounts for that detail line will be set to zero and the other detail statistics will be left unchanged.

ASR-PA-0410 - *(12/18/2012):* Default view of project detail lines for a project: Withdrawn detail lines shall be hidden, with the exception that detail lines that are being withdrawn as part of a Pending transaction should be visible. Such detail lines are those that that are withdrawn on the Pending project but not withdrawn on the Current version of the same project.

Design Solution: In the default view of the Project Details tab for a project, the withdrawn detail lines will be hidden, with the exception that detail lines that are being withdrawn as part of a Pending transaction will be visible. However, the Detail Summary section will have a checkbox labeled “View Withdrawn” which the user can check to display all the withdrawn detail lines (Figure 4.3).

ASR-PA-0411 - *(12/18/2012):* A detail cannot be updated if it is withdrawn. It must first be reestablished before updates can be made to it.

ASR-PA-0412 - *(12/18/2012):* The system shall allow users to re-establish withdrawn detail lines. Use of this function is subject to the rules defined in the “Update Rules section of this document.

Design Solution (for ASR-PA-0411 & 0412): The design solution and screenshot that addresses this requirement is described in the Project Information screen requirement

Scenario VII: GIS

Sub-Scenario A: Add New Detail with GIS required Improvement Type

Sub-Scenario A Test Steps

1. Open Create Project Detail view
2. Enter only Program Code value, this will add the detail number automatically
3. Select GIS Locations required Improvement Type : “4R-Reconstruction”
4. Click on Save button
5. _X_ Verify the Project Detail tab is opened for the newly created Project Detail and a warning is displayed showing *“The Improvement Type selected for this detail line requires GIS Location information”*

Sub-Scenario Test A Results

Pass _X_ Fail___

Notes: ____

Sub-Scenario B: Urban Area required program code, add GIS location

Sub-Scenario B Test Steps

1. From Project Information view select "Open the 'Project Details List' tab
2. _X_ Open the Detail view - from the Project Details grid click on the 'View' icon of the detail with program code that is Urban Area Required '00B0'
3. Select "Project Detail Locations" tab
4. Check the Use Route Id checkbox to switch the location entry to GIS Locations
5. _X_ Verify that 'Add Location" window is opened
6. Enter Location values
7. Select a route id, begin point and end point that will fall in Non-Urban Area
8. Click on Save button
9. _X_ Verify that create detail location failed and an Error message is displayed with message: *"The detail line funded by urban required program code can have locations that are in urban area only"*

Sub-Scenario Test B Results

Pass _X__ Fail___

Notes: ____

____

Date: _________________ Signature: _________________________________

Sub-Scenario C: Urban Area Attributable program code, add GIS location

Sub-Scenario C Test Steps

1. From Projects list view select a project for Recipient Virginia
2. From Project Information view select "Open the 'Project Details List' tab
3. _X_ Open the Detail view - from the Project Details grid click on the 'View' icon of the detail with program code that is Urban Area Required '00B0'
4. Select "Project Detail Locations" tab
5. Check the Use Route Id checkbox to switch the location entry to GIS Locations
6. _X_ Verify that 'Add Location" window is opened
7. Enter Location values
8. Select a route id, begin point and end point that will fall in Urban Area with population less than 200,000
   - Recipient = VA
   - Route ID = 'R-VA FR00060NB'
   - Begin Point = 0

- End Point = 1

9. Click on Update button
10. _X_ Verify that create detail location failed and an Error message is displayed with message: *“The detail line funded by urban attributable program code can have locations that are in urban area that have population more than 200,000”*

Sub-Scenario Test C Results

Pass _X__ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Sub-Scenario D: Detail with Non Advance Construction Allowed program Code, and Advance Construction Fund value assigned

Sub-Scenario D Test Steps

1. From the Project Detail List click the ‘Add Detail’ button
2. _X_ Verify that ‘Add New Detail’ window is opened
3. Select an Improvement Type that is “Non Construction” type
4. Enter all the required fields
5. Enter Construction value
6. Click on Save button
7. _X_ Verify that create detail failed and an Error message is displayed with message: *“Is Construction value cannot be set true when the improvement type is not construction”*

Sub-Scenario Test D Results

Pass _X__ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Sub-Scenario E: Add GIS Location for a detail with NBI Number (structure number) that is being already added to the detail

Sub-Scenario E Test Steps

1. From Project Information view select “Open the ‘Project Details List’ tab
2. _X_ Open the Detail view - from the Project Details grid click on the ‘View’ icon of the detail with Improvement Type of Bridge
3. Select “Project Detail Locations” tab
4. Check the Use Route Id checkbox to switch the location entry to GIS Locations
5. _X_ Verify that ‘Add Location” window is opened

6. Enter structure number already that is being used in one of the existing locations for the detail
7. Click on Update button
8. _X_ Verify that create detail location failed and an Error message is displayed with message*: "A bridge with same structure number already exist in the detail's locations"*

Sub-Scenario Test E Results

Pass _X__ Fail___

Notes:

____

____

___

Date: _________________ Signature: ____________________________________

Scenario VIII: NOT TESTED - Required & Protected Data Rules related tests

This scenario describes requirements related to Protected Data Rules.
ASR-PA-0404 - *(12/18/2012)* The "Required & Protected Data Rules" (listed in Table 2 above) apply only to the Active detail lines and user supplied fields.
ASR-PA-0404A - *(12/18/2012):* "STP, SIB and Emergency Relief are all "Limited Statistics Required" projects. This means that data items listed as special or standard in the "Required & Protected Data Rules" above are not required with the following exception:

- When a limited statistics project is to be closed, the statistical requirements become the same as for a conventional project.
- Emergency Relief projects require Disaster year and sequence number even though these items are Standard.

Special Project Groupings

SCENARIO	SCENARIO DESCRIPTION	FUNCTIONAL REQUIREMENTS
XX	Accessing the Special Projects Grouping Page	ASR-PA-0801, ASR-PA-0802
XX	Adding a Special Projects Group	ASR-PA-0803, ASR-PA-0804, ASR-PA-0806, ASR-PA-0808
XX	Updating a Special Projects Group	ASR-PA-0803, ASR-PA-0804
XX	Using the Filter Controls	ASR-PA-0809
XX	Using the Filter Controls (AND/OR Criteria)	ASR-PA-0809
XX	Deleting a Special Projects Group	ASR-PA-0803, ASR-PA-0804
XX	Scenario XX: Browsing (Viewing) a Special Projects Group	ASR-PA-0808

<u>Scenario XX: Accessing the Special Projects Grouping Page</u>

This scenario tests whether any user can access the Special Projects Grouping feature. This test is applicable to all user levels.
Prerequisites: Log in to the FMIS 5 application.
Associated Requirements:

- ASR-PA-0801
- ASR-PA-0802

Accessing the Special Projects Group Page

1. Select the *Projects* menu item.

2. ___ Verify that there is a menu item under *Projects* named *Project Groupings*.

3. Select this item.

4. ___Verify that the *Project Groupings* menu item opens the Project Groupings page.

Scenario XX Test Results

Pass___ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Scenario XX: Adding a Special Projects Group

This scenario tests whether an authorized user can add a Special Projects Group. This series of tests is applicable to State and Division users with Project area update authority.
Associated Requirements:

- ASR-PA-0803
- ASR-PA-0804
- ASR-PA-0806
- ASR-PA-0808

Prerequisites: Log in to the application and navigate to the Project Groupings page.
Add Group - General

1. Enter the name of your State or the State your Division represents:

   ____

2. On the Project Groupings page, there will be a data grid which is called *Group Listing*. On the top right corner of this data grid are two buttons, *Add Group* and *Export to Excel*.

3. Select the *Add Group* button.

4. ____ Verify that the Create Project Group page displays.

5. ____ Verify that the value in the *Group State* field matches the Recipient (State) you entered in step 1.

6. On the page, there should be six (6) editable controls. Verify that these controls are visible and are editable:
   - ____ *Group Code (textbox)*
   - ____ *Project Group Name (textbox)*
   - ____ *Category(drop down list)*
   - ____ *Description (textbox)*
   - ____ *Nationwide (checkbox)*

     Note that if the *Nationwide* checkbox is checked (i.e. set to 'True'), the *Recipients* dropdown control will be disabled because 'Nationwide = True' selects all States.

   - ____ *Recipients (dropdown list)*

Add Group - Test the Missing Fields Validation and the Cancel Button

7. The next test will verify that the required fields' are validated. Enter the values for a new group in the table below. The *Group Code*, *Project Group Name* and *Description* are required fields. The values entered below will be used later on the page:

   Add Group Table

Field Name	**Enter Values Below**
Group Code	
Project Group Name	
Description	

8. Select the *Save* button <u>before entering</u> any of the **Add Group Table** values.

9. ____ Verify that an error message is generated prompting you to enter the *Group Code, Project Group Name,* and *Description*.

10. Enter the *Group Code* <u>only</u> and select the *Save* button again.

11. ____ Verify that an error message is generated prompting you to enter the *Project Group Name* and the *Description*.

12. Enter the *Group Name* <u>only</u> and select the *Save* button again.

13. ____ Verify that an error message is generated prompting you to enter the *Group Code* and the *Description*.

14. Enter the *Description* <u>only</u> and select the *Save* button again.

15. ____ Verify that an error message is generated prompting you to enter the *Group Code* and the *Project Group Name*.

16. Enter two of the three fields from the **Add Group Table** at random and leave one field blank. Select the *Save* button.

17. ____ Verify that an error message is generated prompting you to enter the *missing field*.

18. Now, enter all three values from the **Add Group Table**.

19. Select the *Cancel* button.

20. ____ Verify that the page closes.

21. ____ Verify that there is not an item in the *Group Listing* data grid with the same information you entered on the page (from the **Add Group Table**).

Add Group – Test the Save Button

22. Select the *Add Group* button.

23. Enter values in the *Group Code*, *Project Group Name*, and *Description* textboxes. Use the values that you entered in the **Add Group Table** earlier.

24. Select the *Save* button to save the data.

Add Group – Create a Duplicate Special Project Group

25. Select the *Save* button again (this will test validation for duplicates, as you have already created the group in the preceding step).

26. ____ Verify that an error message is displayed indicating that the group is a duplicate ('Group Already Exists').

27. Select the *Cancel* button to close the page.

28. ____ Verify that the page closes.

29. ____ Verify that there is an item in the *Group Listing* data grid with the same information you added in the **Add Group – Test the Save Button** section.

30. Re-select the project group that you created. To do this, select the *View* icon (represented by a magnifying glass hovering over a sheet of paper).

31. ____ When the Project Group Detail page re-loads, verify that the fields you populated from the **Add Group Table** contain the values you entered.

32. Select the *Back to List* button to close the page.

Add Group – Create a Second Special Project Group with Optional Fields

33. Select the *Add Group* button on upper right side of the *Group Listing* data grid.

34. Enter values in the *Group Code, Project Group Name,* and *Description* textboxes. These are required fields.

    Note that the values entered must be different than those entered in the **Add Group Table**, as those earlier values were saved. Write in the new values below:

    Add Group Table with Optional Fields

Field Name	**Enter Values Below**
Group Code	
Project Group Name	
Description	
Category ***Note*** that the *Category* dropdown list actually precedes the *Description* field but since it is an optional field, it is grouped with the other like items in this test.	
Nationwide Checkbox Enter 'True' (checked) or 'False' (unchecked) ***Note*** that the *Recipients* dropdown control will be disabled if the *Nationwide* checkbox is set to 'True'.	
Recipients	

35. Select the *Save* button to save the data.

36. Select the *Cancel* button to close the page.

37. ____ Verify that there is an item in the *Group Listing* data grid with the same information you added to the **Add Group Table with Optional Fields**.

38. Re-select the project group that you created. To do this, select the *View* icon (represented by a magnifying glass hovering over a sheet of paper).

39. ____ Verify that the fields populated contain the same values you entered in the **Add Group Table with Optional Fields**.

40. Select the *Back to List* button to close the page.

Scenario XX Test Results

Pass___ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Scenario XX: Updating a Special Projects Group

This scenario tests whether an authorized user can update a Special Projects Group. This series of tests is applicable to State and Division users with Project area update authority.
Associated Requirements:

- ASR-PA-0803
- ASR-PA-0804

Prerequisites: Log in to the application and navigate to the Project Groupings page. The **Add Group Table with Optional Fields**, used in the **Adding a Special Projects Group** scenario, is also used in this scenario.
Update (Edit) Group - Verify Values and Control Status'

1. Locate the second Special Project group that you created earlier (the **Add Group Table with Optional Fields** used in the **Adding a Special Projects Group** scenario) in the *Special Projects Grouping* data grid**.**

2. Inside this grid, on the left, there is an icon depicting a sheet of paper with a magnifying glass. This control is used to view or update a group in the data grid. Select this button to open the group.

3. When the Special Project Group Information page loads, review the fields displayed on the page:
    - *Group Owner*
        - ____ Verify that the State displaying in the *Recipient* field is the same as your State.
        - ____ Verify that the field is read-only.
    - *Group Code*
        - ____ Verify that the code matches what was originally entered.
        - ____ Verify that the field is read-only.
    - *Project Group Name*
        - ____ Verify that the name matches what was originally entered.
        - ____ Verify that the field provides an editable textbox.
    - *Category*
        - ____ Verify that the category matches the value that was originally selected.
        - ____ Verify that the field provides an editable dropdown list.
    - *Nationwide*
        - ____ Verify that the value matches what was originally selected.
        - ____ Verify that the field provides an editable checkbox.
    - Recipient
        - ____ Verify that the value matches what was originally selected.
        - ____ Verify that the field provides an editable dropdown list.

Update (Edit) Group – Test the Back to List Button Without Saving

4. Enter the current values from the **Add Group Table with Optional Fields** (used in the earlier **Adding a Special Projects Group** scenario) in the table below:

Existing Group Table Field Name	**Old Values**	**Enter New Values Below**
Group Code		
Project Group Name		
Description		
Category		
Nationwide Checkbox		
Recipients		

5. Using one of the new values that you added to the **Existing Group Table** in the preceding step, replace the current contents of one of the editable controls. <u>Do not</u> use the *Save* button.

6. Select the *Back to List* button to close the page.

7. ____ Verify that the page closes.

8. Re-select the project from the *Special Projects Grouping* data grid**.**

9. ____ Verify that the data in the fields you modified revert back to their original values.

Update (Edit) Group – Test the Save Button

10. Change the values on all the editable controls on the page. Use the **New Values** entered on the **Existing Group Table**.

11. Select the *Save* button.

12. Select the *Back to List* button to close the page.

13. Re-select the project from the *Special Projects Grouping* data grid**.**

14. ____ Verify that the new values that you entered were saved.

Scenario XX Test Results

Pass___ Fail___

Notes: ____

____

Date: ________________ Signature: _______________________________________

<u>Scenario XX: Using the Filter Controls</u>

This scenario tests whether a user can filter Special Projects Groups. This test is applicable to all user levels.

Associated Requirements:

- ASR-PA-0809

Prerequisites: Log in to the application and navigate to the Project Groupings page. **The Existing Group Table**, used in the **Updating a Special Projects Group** scenario, is also used in this scenario.

Filtering the Group Listing Data Grid

1. Examine the *Group Listing* data grid. ***Note*** that on the data grid headings there is a symbol resembling a funnel to the right of each item. These represent the filter controls.

Filter Criteria	**Description**
Is Equal To	The item being filtered <u>must match</u> the criteria you supply <u>exactly</u>.
Is Not Equal To	The item being filtered <u>must not match</u> the criteria you supply.
Starts With	The item being filtered <u>must begin with</u> the same criteria you supply.
Contains	The item being filtered <u>must contain</u> the criteria you supply.
Does Not Contain	The item being filtered <u>must not contain</u> the criteria you supply.
Ends With	The item being filtered <u>must end with</u> the same criteria you supply.

Note that there are also AND/OR controls to allow you to filter on more than one item.

2. You can use the values you entered on the **Existing Group Table** from the **Adding a Special Projects Group** scenario to test the filters.

3. Select the filter to the right of the *Group Code* heading and use the 'Is Equal To' filter. Enter the corresponding value that you supplied earlier (from the **Existing Group Table**) in the textbox below the filter criteria.

Filtering the Group Listing Data Grid – Test the Clear Control

4. Use the *Clear* button.

5. **____** Verify that the information you entered in the textbox (in the preceding step of this test) is cleared.

Filtering the Group Listing Data Grid – Group Code

6. Select the filter to the right of the *Group Code* heading and use the 'Is Equal To' filter. Re-enter the *Group Code* value that you supplied earlier (from the **Existing Group Table**) in the textbox below the filter criteria.

7. Use the *Filter* button.

8. **____** Verify that the data grid displays only the special project group containing the *Group Code*.

9. Select the 'Is Not Equal to' filter criteria. Enter the *Group Code* in the filter control.

10. Use the *Filter* button.

11. **____** Verify that the data grid displays everything but the *Group Code* you entered into the filter.

12. Select the 'Starts With' filter criteria. Enter the first few characters from the *Group Code* in the filter control (i.e. if the text length is four characters or more, enter the first two or three characters).

13. Use the *Filter* button.

14. **____** Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Code*. Be aware that any other *Group Code* that matches the criteria will also display.

15. Select the 'Contains' filter criteria. Enter any partial text from the *Group Code* in the filter control.

16. Use the *Filter* button.

17. ____ Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Code*. Be aware that any other *Group Code* that matches the criteria will also display.

18. Select the 'Does Not Contain' filter criteria. Enter any partial text from the *Group Code* in the filter control.

19. Use the *Filter* button.

20. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Code*. Be aware that any other *Group Code* that matches the criteria will not display either.

21. Select the 'Ends With' filter criteria. Enter the last few characters from the *Group Code* in the filter control (i.e. if the text length is four characters or more, enter the last two or three characters).

22. Use the *Filter* button.

23. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Code*. Be aware that any other *Group Code* that matches the criteria will not display either.

Filtering the Group Listing Data Grid – Group Name

24. Select the filter to the right of the *Group Name* heading and use the 'Is Equal To' filter. Enter the *Group Name* value that you supplied earlier (from the **Existing Group Table**) in the textbox below the filter criteria.

25. Use the *Filter* button.

26. ____ Verify that the data grid displays only the special project group containing the *Group Name*.

27. Select the 'Is Not Equal to' filter criteria. Enter the *Group Name* in the filter control.

28. Use the *Filter* button.

29. ____ Verify that the data grid displays everything but the *Group Name* you entered into the filter.

30. Select the ‘Starts With’ filter criteria. Enter the first few characters from the *Group Name* in the filter control (i.e. if the text length is four characters or more, enter the first two or three characters).

31. Use the *Filter* button.

32. ____ Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Name*. Be aware that any other *Group Name* that matches the criteria will also display.

33. Use the *Filter* button.

34. Select the ‘Contains’ filter criteria. Enter any partial text from the *Group Name* in the filter control.

35. Use the *Filter* button.

36. ____ Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Name*. Be aware that any other *Group Name* that matches the criteria will also display.

37. Select the ‘Does Not Contain’ filter criteria. Enter any partial text from the *Group Name* in the filter control.

38. Use the *Filter* button.

39. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Name*. Be aware that any other *Group Name* that matches the criteria will not display either.

40. Select the ‘Ends With’ filter criteria. Enter the last few characters from the *Group Name* in the filter control (i.e. if the text length is four characters or more, enter the last two or three characters).

41. Use the *Filter* button.

42. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Name*. Be aware that any other *Group Name* that matches the criteria will not display either.

Filtering the Group Listing Data Grid – Group Description

43. Select the filter to the right of the *Group Description* heading and use the 'Is Equal To' filter. Enter the *Group Description* value that you supplied earlier (from the **Existing Group Table**) in the textbox below the filter criteria.

44. Use the *Filter* button.

45. **____** Verify that the data grid displays only the special project group containing the *Group Description*.

46. Select the 'Is Not Equal to' filter criteria. Enter the *Group Description* in the filter control.

47. Use the *Filter* button.

48. **____** Verify that the data grid displays everything but the *Group Description* you entered into the filter.

49. Select the 'Starts With' filter criteria. Enter the first few characters from the *Group Description* in the filter control (i.e. if the text length is four characters or more, enter the first two or three characters).

50. Use the *Filter* button.

51. **____** Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Description*. Be aware that any other *Group Description* that matches the criteria will also display.

52. Select the 'Contains' filter criteria. Enter any partial text from the *Group Description* in the filter control.

53. Use the *Filter* button.

54. **____** Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Description*. Be aware that any other *Group Description* that matches the criteria will also display.

55. Select the 'Does Not Contain' filter criteria. Enter any partial text from the *Group Description* in the filter control.

56. Use the *Filter* button.

57. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Description*. Be aware that any other *Group Description* that matches the criteria will not display either.

58. Select the 'Ends With' filter criteria. Enter the last few characters from the *Group Description* in the filter control (i.e. if the text length is four characters or more, enter the last two or three characters).

59. Use the *Filter* button.

60. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Description*. Be aware that any other *Group Description* that matches the criteria will not display either.

Filtering the Group Listing Data Grid – Category

61. Select the filter to the right of the *Category* heading and use the 'Is Equal To' filter. Enter the *Category* value that you supplied earlier (from the **Existing Group Table**) in the textbox below the filter criteria.

62. Use the *Filter* button.

63. ____ Verify that the data grid displays only the special project group containing the *Category*.

64. Select the 'Is Not Equal to' filter criteria. Enter the *Category* in the filter control.

65. Use the *Filter* button.

66. ____ Verify that the data grid displays everything but the *Category* you entered into the filter.

67. Select the 'Starts With' filter criteria. Enter the first few characters from the *Category* in the filter control (i.e. if the text length is four characters or more, enter the first two or three characters).

68. Use the *Filter* button.

69. ____ Verify that the data grid displays only the special project groups containing the partial text from the filtered *Category*. Be aware that any other *Category* that matches the criteria will also display.

70. Select the ‘Contains’ filter criteria. Enter any partial text from the *Category* in the filter control.

71. Use the *Filter* button.

72. **____** Verify that the data grid displays only the special project groups containing the partial text from the filtered *Category*. Be aware that any other *Category* that matches the criteria will also display.

73. Select the ‘Does Not Contain’ filter criteria. Enter any partial text from the *Category* in the filter control.

74. Use the *Filter* button.

75. **____** Verify that the data grid does not display any special project groups containing the partial text from the filtered *Category*. Be aware that any other *Category* that matches the criteria will not display either.

76. Select the ‘Ends With’ filter criteria. Enter the last few characters from the *Category* in the filter control (i.e. if the text length is four characters or more, enter the last two or three characters).

77. Use the *Filter* button.

78. **____** Verify that the data grid does not display any special project groups containing the partial text from the filtered *Category*. Be aware that any other *Category* that matches the criteria will not display either.

Filtering the Group Listing Data Grid – Group Recipients (State) and (Restricted To…)

Note that in this test the terms ‘Restricted To’ and ‘Group Recipients’ are interchangeable and refer to the same field or control.

79. Select the filter to the right of the ‘*Restricted To’* heading and use the ‘Is Equal To’ filter. Enter the *Group Recipients* value that you supplied earlier (from the **Existing Group Table**) in the textbox below the filter criteria for the *Restricted To* heading.

80. Use the *Filter* button.

81. ____ Verify that the data grid displays only the special project group containing the *Group Recipients*.

82. Select the ‘Is Not Equal to’ filter criteria. Enter the *Group Recipients* in the filter control.

83. Use the *Filter* button.

84. ____ Verify that the data grid displays everything but the *Group Recipients* you entered into the filter.

85. Select the ‘Starts With’ filter criteria. Enter the first few characters from the *Group Recipients* in the filter control (i.e. if the text length is four characters or more, enter the first two or three characters).

86. Use the *Filter* button.

87. ____ Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Recipients*. Be aware that any other *Group Recipients* that matches the criteria will also display.

88. Select the ‘Contains’ filter criteria. Enter any partial text from the *Group Recipients* in the filter control.

89. Use the *Filter* button.

90. ____ Verify that the data grid displays only the special project groups containing the partial text from the filtered *Group Recipients*. Be aware that any other *Group Recipients* that matches the criteria will also display.

91. Select the ‘Does Not Contain’ filter criteria. Enter any partial text from the *Group Recipients* in the filter control.

92. Use the *Filter* button.

93. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Recipients*. Be aware that any other *Group Recipients* that matches the criteria will not display either.

94. Select the ‘Ends With’ filter criteria. Enter the last few characters from the *Group Recipients* in the filter control (i.e. if the text length is four characters or more, enter the last two or three characters).

95. Use the *Filter* button.

96. ____ Verify that the data grid does not display any special project groups containing the partial text from the filtered *Group Recipients*. Be aware that any other *Group Recipients* that matches the criteria will not display either.

TO DO: Add filtering tests for *Last Modified Date*.

Scenario XX: Using the Filter Controls (AND/OR Criteria)

This scenario tests whether a user can filter Special Projects Groups using the ‘and’ and ‘Or’ filtering controls. This test is applicable to all user levels.

Associated Requirements:

- ASR-PA-0809

Prerequisites: Log in to the application and navigate to the Project Groupings page. The **Existing Group Table**, used in the **Updating a Special Projects Group** scenario, is also used in this scenario.

Filtering the Group Listing Data Grid – ‘And/Or’ Criteria

1. Examine the entries in the *Group Listing* data grid and write down a *Group Code* at random (do not use the ones you created in earlier scenarios for this value).

2. Enter this random *Group Code* here: ______________________.

3. Enter the *Group Code* value that you supplied earlier (from the **Existing Group Table**) in the textbox below the first filtering criteria selection.

4. Select the *AND* filter control. Enter the random *Group Code* number (that you selected in the preceding step) and enter it in the textbox below the second filtering criteria selection.

5. Perform the following tests to verify that the *AND* filter functions properly with the other two filter controls:

    - Criteria One: ‘Is Equal To’ Criteria Two: ‘Is Equal To’
        1. Use the *Filter* button.
        2. ____ Verify that there are no items displaying in the data grid (duplicate *Group Codes* are not allowed and since both criteria specifies ‘Equal To’, nothing should display).

    - Criteria One: ‘Is Equal To’ Criteria Two: ‘Is Not Equal To’
        1. On the status bar on the right bottom corner of the data grid is a count of items currently displayed in the grid (e.g. ’10 or 35 items’).
            - Write down the counts here: ‘________ of ________ items’.
        2. Use the *Filter* button.

3.____ Verify the counts on the status bar. If there are a total of 35 items, the count should be ‘34 of 34 items’ as the second *Group Code* will not be displayed.

4.____ Verify that the first Group Code displays.

TO DO: Currently the AND filter criteria controls do not behave properly, so this series of tests will be resumed later so that the expected results can be verified. Also, these tests will be quite extensive, so I need to check with Vijay to determine the scope of these particular tests.

Scenario XX Test Results

Pass___ Fail___

Notes: ____

____

Date: _________________ Signature: ___________________________________

Scenario XX: Deleting a Special Projects Group

This scenario tests whether an authorized user can delete a Special Projects Group. This series of tests is applicable to State and Division users with Project area update authority.
Associated Requirements:

- ASR-PA-0803
- ASR-PA-0804

Prerequisites: Log in to the application and navigate to the Project Groupings page. The **Add Group Table** and the **Add Group with Optional Fields**, used in the **Adding a Special Projects Group** scenario, are also used in this scenario.

Delete Group from Group Listing Data Grid

1. Using the filter controls, locate the Special Project group that you created earlier (use the group you entered earlier on the **Add Group Table**) in the *Special Projects Grouping* data grid**.**

2. Inside this grid, on the leftmost column, is an icon showing a sheet of paper with a red 'X' superimposed upon it. This control is used to delete a group from the data grid.

3. Select the *Delete* button to the left of the group.

4. **____** Verify that a popup window titled Confirm Delete Group displays.

5. Select the *Yes* button to delete.

6. **____** Verify that a popup window titled Delete Group Confirmation displays.

7. Select the *Close* button to close the popup window.

8. Review the *Group Listing* data grid.

9. **____** Verify that the group has been deleted.

Delete Group from the Group Detail Page

10. Using the filter controls, locate the Special Project group that you created earlier (use the group you entered earlier on the **Add Group Table with Optional Fields**) in the *Special Projects Grouping* data grid**.**

11. Use the *View* button (it has an icon depicting a sheet of paper with a magnifying glass) to open the group.

12. When the Project Group Detail page opens, select the *Delete* button.

13. ____ Verify that a popup window titled Confirm Delete Group displays.

14. Select the *Yes* button to delete.

15. ____ Verify that a popup window titled Delete Group Confirmation displays.

16. Select the *Close* button to close the popup window.

17. Review the *Group Listing* data grid.
    - ____ Verify that the group has been deleted.

Scenario XX Test Results

Pass___ Fail___

Notes: ____

____

Date: ________________ Signature: ______________________________________

Scenario XX: Browsing (Viewing) a Special Projects Group

This scenario tests whether an authorized user can delete a Special Projects Group. This series of tests is applicable to State and Division users with Project area update authority.
Associated Requirements:

- ASR-PA-0808

Prerequisites: Log in to the application and navigate to the Project Groupings page.

View Group

1. Select any group that (as long as it is not one you created) in the *Special Projects Grouping* data grid**.**

2. Inside this grid, on the left, there is an icon depicting a sheet of paper with a magnifying glass. This control is used to view or update a group in the data grid. Select this button to open the group.

3. Select this *View* button.

4. ____ Verify that the Project Group Detail pager displays.

5. ____ Verify that the following fields display:

- ____ *Group Code*
- ____ *Group Name*
- ____ *Category*
- ____ *Description*
- ____ *Last Modified By*
- ____ *Last Modified Date*
- ____ *Recipients*

Scenario XX Test Results

Pass___   Fail___

Notes: ____

____

Date: _________________   Signature: ____

Block Signature List

Scenario I: Accessing the Block Signature Page

This scenario tests how a user can access the projects Block Signature page.
Prerequisites:
Log in to the FMIS 5 application.
ASR-PA-0601 - *(12/18/2012):* The user shall be able to access the Block Signature List from the Navigation Menu.
Design Solution: The user will be able to open the “Block Signature List” screen by clicking the “Block Signatures” menu item in the Projects Menu.
ASR-PA-0602 - *(12/18/2012):* This screen shall display all the projects that the user has selected for Block signing.
ASR-PA-0603 - *(12/18/2012):* The users shall be able to navigate to all the projects in the Block signature list.
Design Solution (for ASR-PA-0602 & 0603): When a user opens the “Block Signature List” screen, it will list the projects that the user had selected for block signature. The screen will have the pagination feature and the user will also be able to control the number of records that gets displayed in the grid
Note: This test is applicable to all user levels with signature authority.

5. Select the *Projects* menu item.
6. __X__ Verify that there is a menu item under *Projects* named *Block Signatures*.

7. Select this item.
8. _X_Verify that the *Block Signature* menu item opens the *Block Signature* page.

Scenario I Test Results

Pass_X_ Fail___

Notes: ____

____

Date: ________________ Signature: ____

Scenario II: Visible Fields in Block Signature Grid

This scenario tests whether required fields are visible in Block Signature grid.

Prerequisites: Log in to the application and navigate to the Block Signature page.
ASR-PA-0604 - *(12/18/2012):* For each project within the Block Signature List, details like State, Project number will be displayed along with checkboxes for three state signature approval fields for state users or three division signature approval fields for Division users.
Design Solution: When the user opens the "Block Signature List" screen, a list of projects that the user has marked for block sign will be displayed in a grid. Each row will have the following fields :

- a checkbox for selecting/deselecting the project for block signature action
- Recipient
- Federal Project Number
- A Checkbox for each signature and 3 in total. The following will be the names of the checkboxes – Review, Recommendation and Authorization. If a particular signature is already applied, the corresponding checkbox will be checked & disabled and will display the name of user that applied that signature.

Note: This series of tests is applicable to State and Division users.

Scenario II Test Results

Pass_X_ Fail___

Notes: ____

____

Date: _______________ Signature: ______________________________________

Scenario III: Applying default signatures in Block Signature grid

This scenario tests whether the default signatures apply in Block Signature grid.

ASR-PA-0605 - *(12/18/2012):* The block signature function shall apply default signatures on each project, unless the user unmarks one or more of the defaults. A signature will be set as a default signature when all of the following are true:

a. The user must have UPACS authority to sign it.
b. The signature must be null
c. There cannot be a missing lower level signature that the user does NOT have authority to sign.
d. The default signatures cannot result in the same Division user signing all three Division signatures. Final Division signature will not be included as a default signature in this situation.

ASR-PA-0606 - *(12/18/2012):* When performing block signature, each project on the user's block signature list will be displayed along with the default signatures to be applied to each project.

Design Solution (for ASR-PA-0605 & 0606): When the user opens the Block Signatures List screen, all the projects in the user's block signature list will be marked for block signature and the signature checkboxes will be checked by default for each project, when all of the following are true:

- The user must have UPACS authority to sign it.
- The signature must be null
- There cannot be a missing lower level signature that the user does NOT have authority to sign.
- The default signatures cannot result in the same Division user signing all three Division signatures. Final Division signature will not be included as a default signature in this situation.

Note: This series of tests is applicable to State and Division users with different levels of signature authority

Scenario III Test Results

Pass_X_ Fail___

Notes: ____

____

Date: ________________ Signature: ______________________________________

Scenario IV: Unsign signatures in Block Signature grid

This scenario tests whether the user cannot un-sign any signature in Block Signature grid.
ASR-PA-0607 - *(12/18/2012):* Un-sign cannot be performed via block signature.

Design Solution: The user will not be able to un-sign a project from the "Block Signature Screen" and no such option will be available in the screen.

Note: This series of tests is applicable to State and Division users with different levels of signature authority

Scenario IV Test Results

Pass_X_ Fail___

Notes: ____

____

Date: ________________ Signature: ______________________________________

Scenario V: Remove from Block Signature grid

This scenario tests whether the user can remove a selected project from Block Signature grid.
ASR-PA-0608 - *(12/18/2012):* The user can completely omit a project from signature.
Design Solution: The user will be able to completely omit a project from block signature by unchecking the checkbox next to the project. In this scenario, when the Block sign action happens, the projects that are unchecked will be excluded from the Block signature action.

Remove projects from block signature list

1. Select the checkboxes on the left column of those projects that need to be removed from the block signature.
2. Click the "remove" button at the left top of the grid.
3. Click "Ok" on the confirmation popup.

Scenario V Test Results

Pass_X_ Fail___

Notes: ____

____

Date: _______________ Signature: ____________________________________

Scenario VI: A project that is marked Block Signature is not modifiable

This scenario tests whether the user can modify a project that is marked for Block Signature.

ASR-PA-0609 - *(12/18/2012):* A project that is marked for block signature cannot be updated by any user, or signed by another user. It must first be removed from the block signature list

ASR-PA-0610- *(12/18/2012):* Any user with authority to update the pending project based on the "Update Rules" can remove a project from a block signature list. It does not have to be the same user who has marked the project for block signature

Design Solution: When a user adds a project to the block signature list, the project is set to "Locked" state and no change will be allowed to the project. If the user wants to make changes to the project or if another user wants to sign the project, then the project needs to be removed from the Block Signature List. The user who added the project to the block signature list can remove the project from the list by selecting the project and clicking the "Remove" button in the bottom of the Block Signature List screen. **Note: If a user wants to remove a project added to the Block Signature list by another user, the user will need to perform "Remove From Block Sign" action in the Project Information screen.**

A marked for block signature project is not modifiable

1. Select a project from the project list (the user has to have the update right on the selected project)
2. Make sure there is an existing pending version of the project. Select the pending version from the version dropdown in the view project page.

3. If the project has not already marked for block signature, there will be the “Mark for block signature” button at the top right corner.
4. _X_ verify that “Mark for Block Signature” button displays.
5. Click on that button and mark the project for block signature.
6. All of the buttons that can make any change to the project (pending and current) are invisible.
7. _X_ verify that all of the buttons that can make any change to the project (pending and current) are invisible.

Scenario VI Test Results

Pass_X_ Fail___

Notes: ____

____

Date: _______________ Signature: ___________________________________

Scenario VII: Remove projects from block signature at project level

1. Select a project with the block signature property showing “Yes” from the project list (the user has to have the update right on the selected project)
2. There will be “Remove from Block Signature” at the top right corner of the page with the two labels indicating the name of the user who blocked the project for signature and the date of that transaction.
3. ____ verify that “Remove from Block Signature” is visible.
4. Click on the mentioned button and the block signature will be removed.
5. The “Remove from Block Signature” will change to “Mark for Block Signature”.
6. ____ verify that “Mark for Block Signature” is visible.
7. Depending on the status of the project some or all of the buttons that can make any change to the project are visible.

Scenario VII Test Results

Pass_X_ Fail___

Notes: ____

____

Date: _______________ Signature: ___________________________________

Scenario VIII: Block Signature remains on a project until a user removes it

This scenario tests a block signature can only be removed by user’s action.

ASR-PA-0611 - *(04/08/2013):* Projects will remain in the user’s block signature list until a user takes action to remove it, or block signature is performed. Without user action, projects shall remain in the block signature list indefinitely. Block signature action removes all projects from the list without exception (signature may or may not be successful due to validations, etc.).

ASR-PA-0612 - *(12/18/2012):* Performing block signature shall clear the user's block signature list.

Design Solution: When a user adds a project to the block signature list, the project is set to "Locked" state and no change will be allowed to the project. If the user wants to make changes to the project or if another user wants to sign the project, then the project needs to be removed from the Block Signature List. The user who added the project to the block signature list can remove the project from the list by selecting the project and clicking the "Remove" button in the bottom of the Block Signature List screen. **Note: If a user wants to remove a project added to the Block Signature list by another user, the user will need to perform "Remove From Block Sign" action in the Project Information screen.**

Block signature can only be removed by user's action

1. **Remove project from block signature by using "Remove" button in the block signature page**

- was discussed above (ASR-PA-0608)

2. **Remove project from block signature by signing the project by using "Sign" button in the block signature page**

1. Select all projects that you want to sign by checking the checkbox on the left column next to each project.
2. Click on "Sign" button and put the PIN (UPACS) in the popup pin text box and click "OK".
3. The selected projects will be removed from the "Block signature" list (regardless of success or error) and the result grid indication the statuses of the sign transactions of all selected projects will be displayed.
4. _X_ verify that all previously selected projects in the block signature list do not appear in that grid anymore.

Scenario VIII Test Results

Pass_X_   Fail___

Notes: ____

____

Date: ________________   Signature: ______________________________________

Scenario IX: Requirements apply to block signature

This scenario tests all state and division signatory's single-signature requirements apply to block signature.

ASR-PA-0613 - *(12/18/2012):* All State and division signatory's single-signature requirements apply to block signature, unless stated otherwise.

Design Solution: From “Block Signature List” screen, when a user initiates the Block signature action by clicking the “Sign” button, all the rules that apply to the Single signature process will also be applied to the Block signature process. The errors during the signature process will be displayed to the user in the “Signature Results” section.

Signature requirements apply on every single signature of a selected project to be sign on block signature page

1. In the block signature page, select those projects that you want to sign (by checking the left checkbox next to each project).
2. Select those signatures that you want to apply for each project. The three checkboxes in each project row represent different type of signatures (Review, Recommendation and Authorization) (Signatures’ checkboxes are disabled/enabled according to the user’s signature right and business requirements).
3. Click on “Sign” button.
4. All requirements will be applied on every selected project’s signature and accordingly, the result will be visible in the signature result grid with the status of “Success” or “Error” for each selected project. If the status is “Error”, those requirements which were not supplied for each project’s signature can be view by clicking on “Error_Code” link in the error column for each project. (These errors are the same as the errors which are generated when the same signatures apply on project level by clicking on “Sign” button in project information page).
5. _X_ verify that errors are the same as the errors which are generated when the same signatures apply on project level by clicking on “Sign” button in project information page.

Scenario IX Test Results

Pass_X_ Fail___

Notes: ____

____

Date: ________________ Signature: ____________________________________

Scenario X: Sign up to 100 pending project using single PIN entry

This scenario tests whether more than 100 pending project can be selected and sign by a single PIN entry.

ASR-PA-0614 - *(12/18/2012):* Users can sign up to 100 Pending projects using a single PIN entry.

Design Solution: Users will be able to sign up to 100 pending projects to block sign using a single PIN entry. If there are more than 100 projects in the Block Signature list, the user will be able to select and sign only up to 100 projects.

Not more than 100 projects can be selected to sign by one single PIN entry.

1. Go to Block signature page
2. At the bottom left of the block signature grid, the number of items per page can be set.
3. The maximum item per page is 100 therefor no project can be displayed and selected to sign per page and per single PIN entry.
4. _X_verify that not more than 100 records can be visible per page

Scenario X Test Results

Pass_X_ Fail___

Notes: ____

____

Date: _______________ Signature: __________________________________

Scenario XI: All three division signatures cannot be applied by the same division user

This scenario tests whether all three division signatures can be applied to a project by the same user.

ASR-PA-0615 - *(12/18/2012):* A single Division user cannot apply all 3 Division signatures via block signature.

Design Solution: The Block Signature List screen will have the necessary validations and controls in place to ensure that a single division user cannot apply all 3 division signatures via block signature. The final division signature checkbox will be disabled in scenarios where a user has authority to sign all three division signatures.

All three division signatures cannot be applied by the same division user

1. Login as a division user in to the FMIS application.
2. Make sure that the user has signature right on all three signatures.
3. Select a project and navigate to project information page for that project (Pending version)
4. Click on “Mark for Block Signature”.
5. Go to Block signature page.
6. The project will appear in the block signature grid.
7. _X_verify if there has no signature already applied to that project, the first two checkboxes are checked and enabled (After considering other requirements like existing state signature and…) and the last one is disabled and not checked.
8. _X_ verify if there has been already the first or second signature applied to that project, if at least one of the applied signatures had been done by another user, the last checkbox is enabled.
9. _X_verify if the first two signatures have already applied by the same logged in user, the third checkbox is disabled and unchecked.

Scenario XI Test Results

Pass_X_ Fail___

Notes: ____

____

Date: ________________ Signature: _____________________________________

User Defined Fields

Scenario A: Accessing the Recipient and Division Defined Fields Page

This scenario tests whether a user can access the Recipient and Division Defined Fields (User-Defined Fields) feature. This test is applicable to State or Division users.
Prerequisites: Log in to the FMIS 5 application.
Associated Requirements:

- **ASR-PA-0701**

Accessing the User-Defined Page

1. Select the *Projects* menu item.
2. _X_ Verify that there is a menu item under *Projects* named *User-Defined Fields*. Select this item.
   _X_Verify that the *User-Defined Fields* menu item opens the *User-Defined Fields* page.

Scenario A Test Results

Pass_X_ Fail___

Notes: ____

____

Date: _______________ Signature: ______________________________________

Scenario B: Creating Fields on the Recipient and Division Defined Fields Page

This scenario tests whether the Recipient and Division Defined Fields (User-Defined Fields) feature provides nine (9) fields for the Project Summary and nine (9) for Project Detail. It also tests whether they are modifiable. This test is applicable to State and Division users.
Prerequisites: Log in to the FMIS 5 application.
Associated Requirements:

- **ASR-PA-0702**
- **ASR-PA-0703**
- **ASR-PA-0703A**
- **ASR-PA-0704**
- **ASR-PA-0705**
- **ASR-PA-0705A**
- **ASR-PA-0706**

Scenario B1 Accessing the User-Defined Page & Default

1. Select the *Projects* menu item. One of the items under this menu item is titled *User-Defined Fields*. Select this item to open the User Defined Fields page.
2. _X_ Verify that the *Recipient* value matches that of your U.S. State.

3. _X_ Verify that value of the *Level* control is ‘Project Summary’.
4. Since this is the first time you have visited this page, there should be no fields defined.
5. _X_ Verify that there are no user defined fields set up on the page, except the following fields for all States:
6. Estimated Construction Date
7. FHWA Area
8. The page is broken into three sections that represent the types of records a user can define. They are listed below:
9. Numeric Fields
10. Date Fields
11. Text Fields
12. The application allows three user defined fields for each section, except the Date Field, which allows four, for a total of ten (10) fields. To verify this, the next step in the test will create user defined fields for each section.

Sub-Scenario Test B1 Results

Pass_X_ Fail___

Notes: ____

Prerequisites for Scenario B2: Numeric Fields

1. In the *Numeric Fields* section, select the *Add New Record* button. Upon doing this, a new user defined item will be created and will display at the top of the list.
2. _X_ Verify that an item was created.
3. To save the item, a title must be supplied as well as a value indicating how many decimal places the numeric field will allow. In addition, there is a checkbox titled *Obsolete*. Leave this checkbox unchecked for now.
   - _X_ Verify that two buttons, one with a checkmark and one with the ‘No’ symbol (a circle with a line through it) display under the *Operation* heading. The button with a checkmark is used as a *Save* button to save an item; the button with the ‘No’ symbol is used as a *Cancel* button.
   - Enter text in the *Title* field. Write the value here: _______________________.
   - Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: _______________.
   - _X_ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields. Leave this checkbox <u>unchecked</u>.
   - Select the button with a checkmark to save the item.
   - _X_ Verify that the user defined item is saved.

Sub-Scenario Test B2 Results

Pass_X_ Fail___

Notes: ____

4. Create two more items in the *Numeric Fields* section (the maximum is three).
    - _X_ Verify that two buttons, one with a checkmark and one with the 'No' symbol (a circle with a line through it) display under the *Operation* heading. The button with a checkmark is used as a *Save* button to save an item; the button with the *No* symbol is used as a *Cancel* button.
    - Enter text in the *Title* field. Write the value here: ________________________.
    - Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: ________________.
    - _X_ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields. Leave this checkbox unchecked.
    - Select the button with a checkmark to save the item.
    - _X_ Verify that the user defined item is saved.
    - **Sub-Scenario B1C Test Steps**
    - _X_ Verify that two buttons, one with a checkmark and one with the 'No' symbol (a circle with a line through it) display under the *Operation* heading. The button with a checkmark is used as a *Save* button to save an item; the button with the *No* symbol is used as a *Cancel* button.
    - Enter text in the *Title* field. Write the value here: ________________________.
    - Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: ________________.
    - _X_ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields. Leave this checkbox unchecked.
    - Select the button with a checkmark to save the item.
    - _X_ Verify that the user defined item is saved.
5. _X_ Verify that all three items were successfully created.

Test Results

Pass_X_ Fail___

Notes:

6. In the *Date Fields* section, select the *Add New Record* button. Upon doing this, a new user defined item will be created and will display at the top of the list.
7. _X_ Verify that an empty item was created.
8. To save the item, a title must be supplied as well as a value indicating how many decimal places the numeric field will allow. In addition, there is a checkbox titled *Obsolete*. Leave this checkbox unchecked for now.
    - Item One
        - ____ Verify that a textbox is created called *Title*.
        - Enter text in the *Title* field. Write the value here: _________________________.
        - ____Verify that a textbox is created called *Decimal Places*.
        - Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: ________________.
        - ____ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields. Leave the *Obsolete* checkbox unchecked.
9. Create three more items in the *Date Fields* section (the maximum is four).
    - Item Two
        - ____ Verify that a textbox is created called *Title*.
        - Enter text in the *Title* field. Write the value here: _________________________.
        - ____Verify that a textbox is created called *Decimal Places*.
        - Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: ________________.
        - ____ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields.
        - Leave the *Obsolete* checkbox unchecked.
    - Item Three
        - ____ Verify that a textbox is created called *Title*.
        - Enter text in the *Title* field. Write the value here: _________________________.
        - ____Verify that a textbox is created called *Decimal Places*.
        - Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: ________________.
        - ____ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields.
        - Leave the *Obsolete* checkbox unchecked.
    - Item Four
        - ____ Verify that a textbox is created called *Title*.

- Enter text in the *Title* field. Write the value here: ________________________.
- ____Verify that a textbox is created called *Decimal Places*.
- Enter a value in the *Decimal Places* field (the maximum number of places is four). Write the value here: _______________.
- ____ Verify that a checkbox called *Obsolete* is created to the right of the *Decimal Places* fields.
- Leave the *Obsolete* checkbox unchecked.

10. ____ Verify that all four items were successfully created.
11. In the *Text Fields* section, select the *Add New Record* button. Upon doing this, a new user defined item will be created and will display at the top of the list.
12. ____ Verify that an empty item was created.
13. To save the item, a title must be supplied as well as the field type you wish to use (textbox, dropdown list, or checkbox). In addition, there is an attribute control associated with the field type you selected. Finally, there is a checkbox control titled *Obsolete*. Leave this checkbox unchecked for now.
    - Item One
        - ____ Verify that a textbox is created called *Title*.
        - Enter text in the *Title* field. Write the value here: ________________________.
        - ____ Verify that a dropdown list control displays in the *Field Type* field.
        - ____ Verify that the dropdown control has three selections: *Text*, *Dropdown*, and *Checkbox*.
        - Using the *Field Type* dropdown control, select *Text*.
        - ____ Verify that the *Attribute* field contains a textbox titled *Max Length*.
        - Using the same *Field Type* dropdown control again, select *Checkbox*.
        - ____ Verify that the *Attribute* field does not contain anything (the *Checkbox* selection has no attribute).
        - Using the same *Field Type* dropdown control one more time, select *Dropdown*.
        - ____ Verify that the *Attribute* field displays a button titled *Values*.
        - Select the *Values* button.
        - ____ Verify that a popup window titled List Values.
        - This window initially has one button control titled *Add New Record*. Select this button.
        - After you select this button, the view expands to display additional controls:

- ____ Verify that two buttons, one with a checkmark and one with the 'No' symbol (a circle with a line through it) display under the *Operation* heading.
- ____ Verify that a button containing a red X symbol displays under the *Delete* heading.
- ____ Verify that an empty textbox displays under the *List Values* heading.
- ____ Verify that an empty checkbox (i.e. unchecked) displays under the heading titled *Obsolete*.
- Type in something in the textbox. Write it here: __________________.

*** add more here after control is fixed (throws an exception currently) ***

14. Create two more items in the *Date Fields* section (the maximum is three).
    - Add tests here
15. ____ Verify that both items were successfully created.

Scenario B Test Results

Pass___ Fail___

Notes: ____

____

Date: ________________ Signature: ____

Scenario C: Created User defined Fields on the Recipient and Division appear on the project Summary screen

This scenario tests whether the created Recipient and Division Defined Fields (User-Defined Fields) will appear on the project summary and project summary detail screen.

- **ASR-PA-0707**

1. Login to FMIS application as a recipient user
2. Navigate to the project list through the top menu bar.
3. Select a project from a state that some project and project detail user defined fields already created for them.
4. ___ verify In the project information page, the created recipient user defined fields appear(if they have a name and are not marked obsolete)
5. Click on "Project detail" tab.
6. ___ verify in the project detail page, the created recipient user defined fields appear (if they have a name and are not marked obsolete)
7. Repeat steps 1 to 4 as a division user

8. ___ verify In the project information page, the created division user defined fields appear(if they have a name and are not marked obsolete)
9. ___ verify in the project detail page, the created division user defined fields appear (if they have a name and are not marked obsolete)

Scenario C Test Results

Pass___ Fail___

Notes: ____

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Date: _________________ Signature: ____________________________________

Scenario D: Visibility of obsolete fields, types and validation of Fields on the Recipient and Division Defined Fields

This scenario tests the visibility of obsolete user defined fields (division and recipient) from a time period that precedes the date and time when the defined field became obsolete. Also whether user has the ability to define the following types for the text fields: "Text" or "Drop-down" or "Checkbox" and the field values for drop-down fields for both project and project detail level.

- **ASR-PA-0709**
- **ASR-PA-0710**
- **ASR-PA-0711**
- **ASR-PA-0712**
- **ASR-PA-0713**

1. Login to FMIS application as a recipient user
2. Navigate to the pending project list through the top menu bar.
3. Select a project from a state that some project and project detail user defined fields already created for them.
4. Apply all signatures on the pending project and create a current project (The pending version will be deleted)
5. Create a pending version of the project by modifying any signature required filed.
6. Navigate to the user defined fields page and mark one of the user defined fields as obsolete for the state of the created project in step 5.
7. Navigate back to the created pending version of that project.
8. ___ verify that the user defined field which was marked obsolete is invisible in project view page (pending version).
9. ___ verify that the user defined field which was marked obsolete is invisible in modify project page.

10. Sign all six signatures which cause creating a new current version, makes the previous current version to historical and deleting the pending version.
11. ___ verify that the user defined field which was marked obsolete is invisible in the current version.
12. ___ verify that the user defined field which was marked obsolete is visible in the historical version.

Scenario D Test Results

Pass___ Fail___

Notes: ____

____

Date: _______________ Signature: ______________________________________

Scenario E: Visibility of obsolete fields, types and validation of Fields on the Recipient and Division Defined Fields

Navigate to the user defined field page.

1. ___ verify that the length of the created text field can't be greater than 250.
2. Navigate to project view page of the state with the user defined text field in step 2.
3. Navigate to modify page by clicking on "Modify" button at the top. (Current or pending version).
4. ___ verify that the max characters which can be typed in the text field doesn't exceed the max number which was set in user defined field page for the textbox.
5. Navigate to the user defined field page.
6. Make sure that there is a Text field type of "Drop-down".
7. ___ verify that a new value can be added to the drop-down.

Scenario E Test Results

Pass___ Fail___

Notes: ____

____

Date: _______________ Signature: ______________________________________

Scenario F: Visibility of obsolete fields, types and validation of Fields on the Recipient and Division Defined Fields

1. Navigate to the user defined field page.
2. Add a valid value to a list user defined field in the text field.
3. Navigate to a project in the same state with that list user defined field and newly added valid value.
4. Go to the modify page and select the newly added value to the user defined field and save the project.

5. Navigate back to the user defined field page.
6. ___ verify that the newly value added to the list cannot be deleted.

Scenario F Test Results

Pass___ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Scenario G: Visibility of obsolete fields, types and validation of Fields on the Recipient and Division Defined Fields

1. Navigate to the user defined field page.
2. ___ verify that a specific date range can be defined for a date field.

Scenario G Test Results

Pass___ Fail___

Notes: ____

____

Date: _________________ Signature: ____

Over Obligations and Over Limitation checks

Scenario A: Accessing the Recipient and Division Defined Fields Page

This scenario tests whether a user can access the Recipient and Division Defined Fields (User-Defined Fields) feature. This test is applicable to State or Division users.
Prerequisites: Log in to the FMIS 5 application.
Associated Requirements:

- **ASR-PA-0701**

Accessing the User-Defined Page

3. Select the *Projects* menu item.
4. _X_ Verify that there is a menu item under *Projects* named *User-Defined Fields*. Select this item.
   _X_Verify that the *User-Defined Fields* menu item opens the *User-Defined Fields* page.

Scenario A Test Results

Pass_X_ Fail___

Notes: ____

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Date: _________________ Signature: ___________________________________