## Observations for the BMS App Testing on Field (ORR Hyderabad)

### Location Details

1. Field: Bridge Function.  
   The Look up Table/ Radio Button options in UI shall be updated as below

|  |
| --- |
| Bridge Over River |
| ROB |
| RUB |
| Viaduct |
| **Vehicular Underpass** |
| **Pedestrian / Cattle Underpass** |
| Others |

1. Please add a New Radio Field Named as “**Bridge Support System**” (.This field is to be displayed after Category Type Field in UI).

The Look up Table/ Radio Button options in UI shall be updated as below

|  |
| --- |
| Simply Supported |
| Continuous |
| Cantilever |

1. The River/Stream Details **Section** Fields to be displayed in UI only if the Bridge Function Value is selected as “Bridge Over River”.
2. For the Field direction of flow Field to The Following lookup/ Radio Button Options shall be displayed.

|  |
| --- |
| L to R |
| R to L |

### Span Details

1. **“**HFL from Bed Level(m**)”** should be displayed only if the user selects “Bridge Over River” in “Function of Bridge”
2. Vertical Clearance above lowest bed Level (m) , Field name to be updated as - Vertical Clearance above LBL / GL (m).
3. Field “Is the Bridge Overtopped” should be displayed only if the user selects “Bridge Over River” in “Bridge Function”.
4. Please allow User to enter Span Length Columns in Decimal (Ex:18.3,17.4)

### Protection Works Inventory

**“Protection Works Inventory”** Shall be renamed as **“Details of Protection Works”**

1. The Following Fields shall be updated

Field: Type of Bed Material  
 The Look up Table/ Radio Button options in UI shall be updated as below

|  |
| --- |
| Soil |
| Boulders |
| Rock |
| Not Visible |
| Not Applicable |

Field: Waterway is  
 The Look up Table/ Radio Button options in UI shall be updated as below.

|  |
| --- |
| Alluvial |
| Quasi Alluvial |
| Rigid |
| **Not Applicable** |

1. For “Side Slope Pitching Type” and “Type of Floor Protection”   
   Please add 2 more new Dropdown values

|  |
| --- |
| Not Visible |
| Not Applicable |

### Top Deck

1. Please change the names for the check box fields as Is Approach Slab Provided, Are Drainage Spouts Provided, Are Expansion Joints provided, Is Service Crossing through the Bridge
2. Field: Location of Service Lines  
   The Look up Table/ Radio Button options in UI shall be updated as below.

|  |
| --- |
| Attached to Railing |
| Inside Footpath |
| Over the Footpath |
| Supported on bracket projected from Bridge |
| **Inside Kerb** |

### Abutment Foundation Inventory

1. First Type of Foundation shall be displayed and then Material. Same to be updated in Pier also
2. For Foundation Type Dropdown Display one more value “not Visible”. Same to be updated in Pier also

### Abutment Substructure Inventory.

1. Under Retaining wall section the following shall be updated

Length on each side (m) shall be modified as

1. Length on LHS (m)
2. Length on RHS (m)

### Abutment Bearings and Restrainer Inventory.

1. Check box and Dropdown Fields are not getting copied to Abutment 2 page.

### Abutment Foundation and Substructure Condition.

1. In the Cracks Section Height Field to be Replaced as Crack width (mm) , Thickness to be Replaced with Location
2. To display Full names for all the fields which are lengthy (Ex : Details of Deterioration and corrosion Field)

### Pier Sub Structure Inventory.

1. In the Pier Section first Type Field to be displayed and then material Field.
2. For Foundation Type Dropdown Display one more value “not Visible”.

### Super Structure Condition

1. If the Super Structure is selected as “Solid Slab” then display only “Deck Slab”, “Condition Tabs” for that Bridge. (Main Girders and Cross Girders Tabs are not required.)
2. Of the displayed 4 Tabs Condition Tab to be displayed at the end on the Screen.  
   The sequence of tabs should be “Deck slab, main Girders, Cross Girders, and Condition”.
3. Please Rename the Condition Tab as “Deck Surface”
4. To Remove “No. of locations where Metallic Sound Appears in a Span” in the Deck Slab Section as it is displayed in the next section Soundness.
5. Damage to Structure to be made as Text Entry Field.