

Creating Custom Pages with Visual Form Editor

KYTC examples

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Good Advice:

- Don't plan on using any grids.
- Always start with a picture of what you want to see.
- Find your data first.
- Use groups to help keep things together
- Take the defaults, then fiddle with sizes and position
- A little json goes a long way.

- It's not hard. But it is tedious.

Start with a picture...

Header

FAULHABER, MARK
KENTUCKY BRIDGE MANAGEMENT
Bridge: 059B00048N Facility Carried (007): SUSPENSION BRIDGE Inspection: 2018-04-27 (OQHL) Type: Special-Other Submitted Status: Approved

KYTC > Notes

Overall the structure is in fair condition underwater with no recommended repairs at this time. For additional details see the underwater inspection report in the Media Tab.

Body

bridge.notes

inspevnt.notes

userbrdg.notes

userbrdg.ratingnote

userbrdg.postcompnote

Footer

Structure notes, Table & Column Name: bridge.notes
Datatype: varchar
width: 3999
Decimal Places: 0
Allow null: Y
Unique Key: N
Minimum: -1
Maximum: -1
Default: /
NBI Code: -1
Conversion Paircode: -1
Metric Units: -1
English Units: -1
Validation Type: -1

Inspection Notes:
4-27-18: Emergency repairs were made according to design plans on Vertical 31. See media tab for photos and plans.
A car hit the Downstream Vertical 31, on the downstream side around 10 PM on 3-20-18, at high speed. Initial inspection was performed around 11:30 PM by Andrew Bush. The decision was made to close the bridge because of the impact and the icy conditions of the steel grid deck.
Andrew Bush, Gary Cochran, Craig Bresch and Greg Cady returned at 8:00 am 3-21-18 when daylight was present to continue inspection.
The vertical suffered deformation for a height of 54". The interior channel was bent for a lateral distance of up to 2". The NE angle was distorted and split/fractured for a height of 30". The build up plate on the interior side was bent, and there was a crack/gouge on the NW angle for a length of 2.25".
The vertical has shifted over 1/2" on the pin at L31 from the impact. The distance between the 2 channels of the vertical had closed up to 1" less in places. The shift in the vertical impacted the lower chord on the exterior channel, with only a minor dent and loss of paint in the lower chord.
The photos and notes were sent to Josh Rogers of KYTC and Dr. Hank of The University of Kentucky, who performed the last load rating and condition summary of the bridge. At this point the decision was made to keep the bridge closed until repairs could be made.
Only subject area at Vertical 31 DS was in the scope of this inspection.

Scour Notes:
See cross section in Underwater Inspector Report dated 8/29/2012. EDV 6/30/2017

Load Rating Notes:
2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss. ALI
3/2/18 Close the structure to all traffic due to the condition of the vertical after the traffic impact. DGA
4/27/18 Due to the recent repairs, revert back to the 11 ton posting. DGA

Posting Compliance Notes:

Cancel Save Save & Close

It helps to start by copying something that works.

Admin > General Config > Visual Form Editor

Task Selection
Select a Tab and Task to Begin. 1
Tab Name: KYTC 2
Tasks: Notes
New Tab New Task Copy Task 3
Save Form Changes Toggle Outlines

Form Elements
Group Box Custom Control Dropdown List Save Button Button
Header Box Text Box Checkbox Save & Close Button Delete
Footer Box Text Box (Parameter) Text Label Cancel Button Calendar
1 2 Add Element

Toolbox
Load Rating Notes (000):
Load Rating Note Text
Posting Compliance Notes (000):
Posting Compliance Note text PostingCompNote Text
Cancel Save Save & Close

Copy Task - Notes
Tab: KYTC
Name: Copy of Notes 4
Label: Copy of Notes
Parent: None
Visible:
Read Only:
Code Module:
Agency Custom Task for updating Structure & Inspection Notes
Tooltip:
Save Task Cancel 5

The minimum number of groups

The screenshot displays the Visual Form Editor interface for the Bridge Management system. The main area shows a form layout with several sections: 'Structure Notes (000)', 'Inspection Notes (000)', 'Scour Notes (000)', 'Load Rating Notes (000)', and 'Posting Compliance Notes (000)'. A red box highlights the top section, labeled 'Header', which contains fields for 'Bridge Item1', 'Inspection (00) Item2', and 'Submitted Status (00)'. A callout points to the 'Inspection (00) Item2' field, which is part of a 'Notes Group'. The 'Footer' area contains 'Cancel', 'Save', and 'Save & Close' buttons. On the right, the 'Selected Group Properties' panel is open, showing settings for a group named 'Notes', including 'Group Type: Group Box', 'Label: No Caption', 'Visible: checked', 'Order: 2', and 'Repeat Count: 1'. The left sidebar shows navigation options like 'BRIDGES', 'INSPECTION', 'KYTC', 'TUNNELS', 'REPORTS', 'ANALYSIS', 'PROJECTS', 'PROGRAMS', 'GATEWAY', 'ADMIN', 'SECURITY', 'GENERAL CONFIG', 'PARAMETERS', and 'OPTIONS'. The top navigation bar shows 'Admin > General Config > Visual Form Editor' and the user 'FAULHABER, MARK'. The bottom of the page includes copyright information for the American Association of State Highway and Transportation Officials (AASHTO) and the date 'Wednesday August 8, 2018'.

If you create a new task

Admin > General Config > Visual Form Editor

Task Selection
Select a Tab and Task to Begin.

Tab Name: KYTC Tasks: --Select a Task--

New Tab New Task Copy Task

Save Form Changes Toggle Outlines

▲ Toolbox

Add New Task

New Task

Name: Demo of Notes
Label: Notes Demo
Parent: None
Asset Type: None/Bridge
Visible:
Read Only:
Code Module: None
Tooltip: this is a demo version of the NOTES

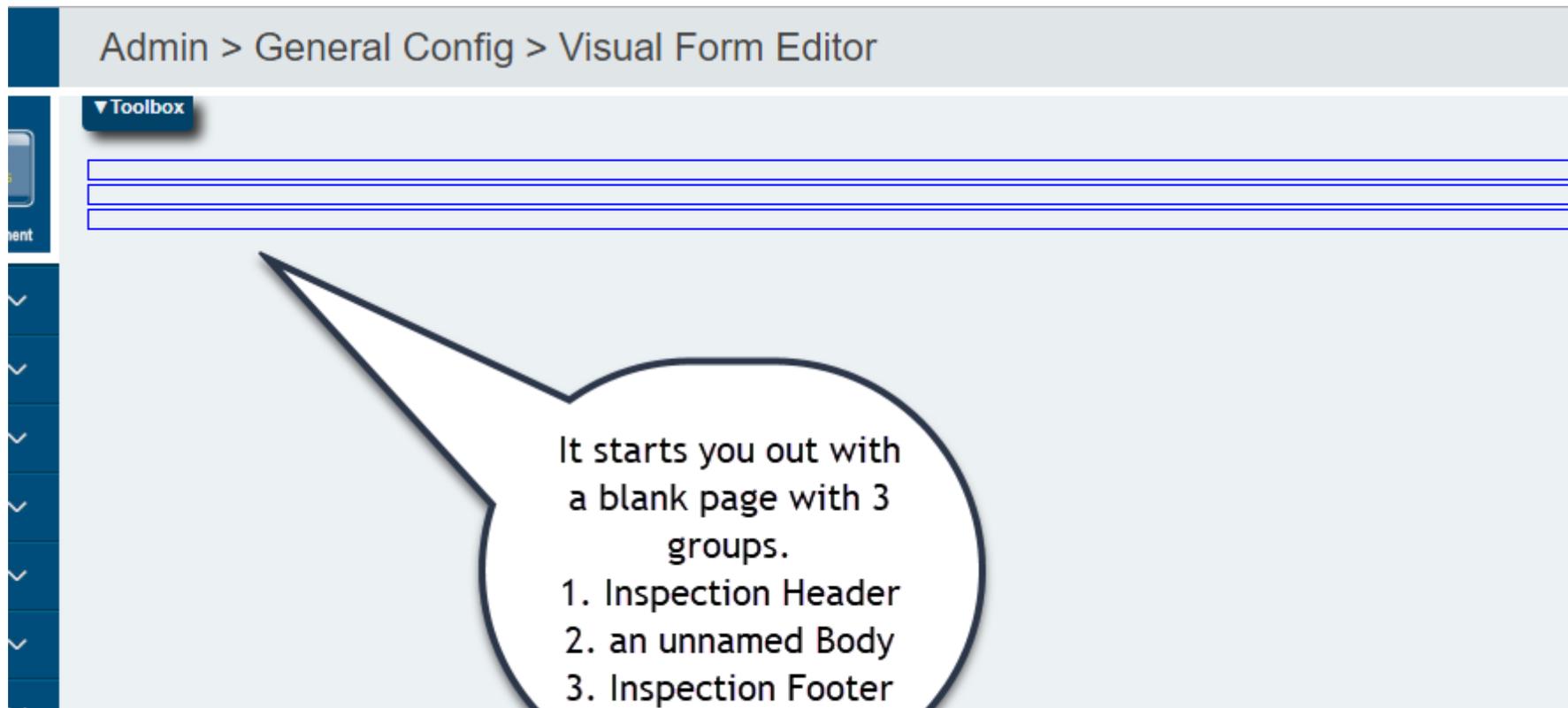
Save Task Cancel

Parent lets you put groups in groups

asset type makes bridge/tunnel controls available

© American Association of State Highway and Transportation
BrM Version 6.0.0.178755 RC 1 [Build Date: Wednesday Aug
<https://aashtoware.org> | AASHTO Publications

New, empty page



Admin > General Config > Visual Form Editor

▼ Toolbox

ent

It starts you out with a blank page with 3 groups.

1. Inspection Header
2. an unnamed Body
3. Inspection Footer

The screenshot shows the Visual Form Editor interface. At the top, there is a breadcrumb trail: "Admin > General Config > Visual Form Editor". Below this is a "Toolbox" section with a dropdown arrow. The main area of the editor is a light blue canvas. At the top of the canvas, there are three horizontal lines representing the initial structure of a new page: an "Inspection Header", an unnamed "Body", and an "Inspection Footer". A callout box with a white background and a dark border points to these lines, containing the text: "It starts you out with a blank page with 3 groups." followed by a numbered list: "1. Inspection Header", "2. an unnamed Body", and "3. Inspection Footer". On the left side of the interface, there is a vertical sidebar with several blue buttons, each with a white downward-pointing chevron icon.

Let's add some controls to the header

The screenshot shows the BrM Visual Form Editor interface. The breadcrumb navigation at the top reads "Admin > General Config > Visual Form Editor". The user profile in the top left is "FAULHABER, MARK". The left sidebar contains a menu with the following items: BRIDGES, INSPECTION, KYTC, TUNNELS, REPORTS, ANALYSIS, PROJECTS, PROGRAMS, GATEWAY, ADMIN, SECURITY, GENERAL CONFIG (highlighted), and PARAMETERS. The main workspace is currently empty. A "Toolbox" button is located at the top left of the workspace, with a red circle containing the number "2" next to it. A callout bubble with a red circle containing the number "1" points to the top header area of the workspace, with the text "select the Header" inside. On the right side of the workspace, there are two vertical buttons: "Properties" and "Security". At the bottom of the workspace, there is a footer containing the following text: "© American Association of State Highway and Transportation Officials. All rights reserved. BrM Version 6.0.0.178755 RC 1 [Build Date: Wednesday August 8, 2018] <https://aashtoware.org> | AASHTO Publications".

Bridge selector control comes first

The screenshot displays the 'Visual Form Editor' interface for 'Admin > General Config'. The interface is divided into several sections:

- Task Selection:** Contains a 'Tab Name' dropdown (1) set to 'KYTC' and a 'Tasks' dropdown (2) set to 'Demo of Notes'. Buttons for 'New Tab', 'New Task', and 'Copy Task' are present.
- Form Elements:** A central panel with a 'Metric' radio button (English selected) and a 'Bridge Selector' dropdown (4). Other elements include 'Structure Units Selector', 'Notes Control', 'Inspection Selector', 'Inspection Schedule Table', 'Work Candidate Grid', 'Roadway Selector', and 'Asset Selector'. A 'Toolbox' (3) is visible at the bottom of this panel.
- Selected Control Properties:** A panel on the right showing properties for the selected 'Bridge Selector'. The 'Label' field (5) is set to 'Bridge'. The 'Postback Event ID' is 'insp_bridge_sel_change'. A red arrow points to this field. The 'Delete Control' button (6) is at the bottom.

The browser address bar shows the URL: `Not secure | ktc073vu-ws006/BrM6/Admin/FormEditor.aspx?PON_NAV_TAB_GD=1349E9804435428C8D4D81E70543D9B5&PON_NAV_TASK_GD=26D960E611`

Next Facility Carried

The screenshot displays the Visual Form Editor interface. On the left is a navigation menu with categories like BRIDGES, INSPECTION, and KYTC. The main workspace is divided into several sections: Task Selection, Form Elements, and Selected Control Properties. Red callout numbers 1 through 7 point to specific elements: 1 points to the 'Add Element' button in the Form Elements section; 2 points to the 'Text Box' control; 3 points to the 'Add Element' button in the main workspace; 4 points to the 'Label' property in the Selected Control Properties panel; 5 points to the 'Column Name' property; 6 points to the 'Value Color' property; and 7 points to the 'New Tab' button in the Task Selection section.

Task Selection
Select a Tab and Task to Begin.
Tab Name: KYTC Tasks: Demo of Notes
New Tab New Task Copy Task
Save Form Changes Toggle Outlines

Form Elements
Group Box Custom Control Dropdown List Save Button Button
Header Box Text Box Checkbox Save & Close Button Delete Inspection Button
Footer Box Text Box (Parameter) Text Label Cancel Button Calendar
Add Element

Selected Control Properties
Name: Facility Carried
Label: Facility Carried
Tooltip Label: Tooltip Text
Table Name: bridge
Column Name: facility
Override Table Name: None
Override Column Name: None
Order: 2
Default Value:
Postback Event ID:
Control GUI ID:
Show Label Colon:
Show NBI Code:
Visible:
Read Only:
Bold Label:
Bold Value:
Label Color: None
Value Color: None
Field Width: 100 %
Label Width: 125 px
Delete Control

Add Inspection Selector

Admin > General Config > Visual Form Editor

Task Selection
Select a Tab and Task to Begin.

Tab Name: KYTC Tasks: Demo of Notes
New Tab New Task Copy Task

Save Form Changes Toggle Outlines

▲ Toolbox **6**

Form Elements

Metric English

Bridge Selector Structure Units Selector Multi Asset Status

Notes Control **Inspection Selector** Inspection Schedule Table **2**

Work Candidate Grid Roadway Selector Asset Selector Component Selector

1 **1** Add Element **3**

▲ Properties **Security**

Selected Control Properties

Name: Item3 **4**

Label: Inspection

Tooltip Label: Inspection

Order: 3

Default Value:

Postback Event ID: insp_date_sel_changed **4**

Control GUI ID:

Show Label Colon:

Show NBI Code:

Visible:

Read Only:

Bold Label:

Bold Value:

Label Color: None **5**

Value Color: None

Field Width: 100 %

Label Width: 80 px

Delete Control

Inspection Type

Admin > General Config > Visual Form Editor

Task Selection
Select a Tab and Task to Begin.

Tab Name: KYTC Tasks: Demo of Notes

New Tab New Task Copy Task

Save Form Changes Toggle Outlines

▲ Toolbox

Form Elements

Group Box Custom Control Dropdown List Save Button Button

Header Box Text Box Checkbox Save & Close Button Delete Inspection Button

Footer Box Text Box (Parameter) Text Label Cancel Button Calendar

1 2 Add Element 3

Selected Control Properties

Name: Item5 4

Label: Type 4

Tooltip Label: Tooltip Text

Table Name: inspevnt 5

Column Name: insptype 5

Override Table Name: None

Override Column Name: None

Order: 4

Default Value:

Postback Event ID:

Control GUI ID:

Show Label Colon:

Show NBI Code:

Visible:

Read Only:

Bold Label:

Bold Value:

Label Color: None 6

Value Color: None 6

Field Width: 100 %

Label Width: 40 px

Delete Control

Add Inspection Status as a Parameter text box

Admin > General Config > Visual Form Editor

Task Selection
Select a Tab and Task to Begin.
Tab Name: KYTC Tasks: Demo of Notes
New Tab New Task Copy Task
Save Form Changes Toggle Outlines

Form Elements
Group Box Custom Control Dropdown List Save Button Button
Header Box Text Box Checkbox Save & Close Button Delete Inspection Button
Footer Box Text Box (Parameter) Text Label Cancel Button Calendar
1 2 Add Element

Selected Control Properties
Name: Item6
Label: Status
Tooltip Label: Tooltip Text
Table Name: inspvt
Column Name: inspstat
Override Table Name: None
Override Column Name: None
Order: 5
Default Value:
Postback Event ID:
Control GUI ID:
Show Label Colon:
Show NBI Code:
Visible:
Read Only:
Bold Label:
Bold Value:
Label Color: None
Value Color: None
Field Width: 100 px
Label Width: 100 px
Delete Control

Properties
Security
Parameters

Let's see what we have at this point.

The screenshot displays the 'Admin - Visual Form Editor' interface. The breadcrumb navigation shows 'Admin > General Config > Visual Form Editor'. The user is identified as 'FAULHABER, MARK'. The interface includes a 'Toolbox' at the top and a 'Selected Group Properties' panel on the right. The main form area contains several fields:

- Bridge:** A dropdown menu with 'Item1' selected. A red circle with the number '1' is next to it.
- Facility Carried (000):** A text input field containing 'Facility Carried'.
- Inspection (000):** A dropdown menu with 'Item3' selected.
- Type (000):** A dropdown menu with 'FC' selected.
- Status (000):** A dropdown menu with 'Item6' selected.

Below the main form, a 'KYTC > Notes Demo' section is visible. This section contains a form with the following fields:

- Bridge:** A dropdown menu with '059B00048N' selected. A red arrow points to this field.
- Facility Carried (007):** A text input field containing 'SUSPENSION BRIDGE'. A red arrow points to this field.
- Inspection:** A dropdown menu with '2014-10-10 (MNGT)*' selected. A red arrow points to this field.
- Type:** A dropdown menu with 'FC' selected.
- Status:** A dropdown menu with 'Locked' selected. A red arrow points to this field.

The 'Selected Group Properties' panel on the right shows the following settings:

- Name: No Caption
- Group Type: Group Box
- Desktop Url: No Caption
- Label: No Caption
- Hide Label:
- Visible:
- Read Only:
- Span Across:
- Order: 2
- Horizontal Alignment: None

Now, let's do the Notes group:

Admin > General Config > Visual Form Editor

▼ Toolbox

Bridge Facility Carried (000): Inspection (000) Status (000):

Where'd my boxes go?

Admin > General Config > Visual Form Editor

Task Selection

Select a Tab and Task to Begin.

Tab Name: Tasks:

[New Tab](#)

[New Task](#)

[Copy Task](#)

[Save Form Changes](#)

[Toggle Outline](#)

1

Form Elements

<input type="text" value="Group Box"/>	<input type="text" value="Custom Control"/>	<input type="text" value="Dropdown List"/>	Save Button	Button
<input type="text" value="Header Box"/>	<input type="text" value="Text Box"/>	<input type="checkbox"/> Checkbox	Save & Close Button	Delete Inspection Button
<input type="text" value="Footer Box"/>	<input type="text" value="Text Box (Parameter)"/>	<input type="text" value="Text Label"/>	Cancel Button	<input type="text" value="Calendar"/>

1 2

[Add Element](#)

2

Select the group you want to add the notes to

The screenshot shows the 'Admin > General Config > Visual Form Editor' interface. The main area contains a form with several fields: 'Bridge Item1', 'Facility Carried (000): Facility Carried', 'Inspection (000) Item3', a locked 'type (000)' field, and 'Status (000): Item6'. A red circle with the number '1' is placed over the 'Inspection (000) Item3' field. On the left, a 'Toolbox' is visible with a red circle and the number '3' next to it. On the right, a 'Properties' panel is open, showing 'Selected Group Properties' with fields for Name, Group Type, Desktop Url, Label, Hide Label, and Visible. A red circle with the number '2' is placed over the 'Group Type' field, which is set to 'Group Box'. The 'Hide Label' and 'Visible' checkboxes are checked.

Add all of the Notes fields you need

Admin > General Config > Visual Form Editor

No changes to save!

Task Selection
Select a Tab and Task to Begin.
Tab Name: KYTC Tasks: Demo of Notes
New Tab New Task Copy Task

Form Elements
Metric English Bridge Selector Structure Units Selector Multi Asset Status
Notes Control Inspection Selector Inspection Schedule Table
Work Candidate Grid Roadway Selector Asset Selector Component Selector
1 2 Add Element

Selected Control Properties
Name: Posting Compliance Note
Label: Posting Compliance Note
Tooltip Label: Not Applicable
Table Name: userbrdg
Column Name: postcompnote
Override Table Name: None
Override Column Name: None
Order: 11
Default Value: Notes
Postback Event ID:
Control GUI ID:
Show Label Colon:
Show NBI Code:
Visible:
Read Only:
Bold Label:
Bold Value:
Label Color: None
Value Color: None
Field Width: 1200
Label Width:
Delete Control

7

1

2

3

Compliance Notes

- Bridge.Notes
- Inspevnt.Notes
- Userbrdg.Notes
- Userbrdg.RatingNote
- Userbrdg.PostCompNote

Let's see how we've done

The screenshot shows a web browser window with the URL `http://kctc073vu-ws006/BrM6/inspection/form.aspx?PON_NAV_TAB_GD=42861589A8251145E053102A17AC7563&PON_NAV_TASK_GD=:`. The user is logged in as FAULHABER, MARK. The page title is "KYTC > Notes Demo".

At the top, there are several dropdown menus: "Bridge" (059B00048N), "Facility Carried (007):" (SUSPENSION BRIDGE), "Inspection:" (2014-10-10 (MNGT)*), and "Type:" (FC).

The main content area displays a list of notes. The first note reads: "Overall the structure is in fair condition underwater with no recommended repairs at this time. For additional details see the underwater inspection report in the Media Tab." The second note reads: "Between October 6 and October 10, 2014, Burgess & Niple (B&N) completed the Fracture Critical Inspection of the John A. Roebling Bridge over the Ohio River in Kenton County, Bridge No. 059B00048N. The extents of the inspection were fro...". The third note reads: "2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss. ALI 3/21/18 Close the structure to all traffic due to the condition of the vertical after the traffic impact. DGA".

Four callout boxes provide feedback on the interface:

- "No labels" points to the "Notes Demo" header.
- "Standard size for a notes field" points to the height of the note text area.
- "doesn't default to word wrap" points to the text in the second note, which is truncated.
- "click on the clipboard to zoom to a note" points to the clipboard icon next to the third note.

The left sidebar contains a navigation menu with the following items: BRIDGES, INSPECTION, KYTC, SUMMARY & MISCELLANEOUS, NOTES, SCOUR, WEIGHTS, HIS & CLEARANCE, COPY OF NOTES, and NOTES DEMO.

Zoom to Note box is a nice feature

Bridge: 059B00048N Facility Carried (007) SUSPENSION BRIDGE Inspection: 2018-04-27 (OQHL) Type: Special-Other

KYTC > Notes Demo

Overall the structure is in fair condition underwater with no recommended repairs at this time. For additional details see the underwater inspection report in the Media Tab.

4-27-18: Emergency repairs were made according to design plans on Vertical 31. See media tab for photos and plans.

2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss
3/21/18 Close the structure to all traffic due to the condition of the vertical after

Notes Page
Bridge : 059B00048N Inspection : 4/27/2018 (OQHL)

4-27-18: Emergency repairs were made according to design plans on Vertical 31. See media tab for photos and plans.

A car hit the Downstream Vertical 31, on the downstream side around 10 PM on 3-20-18, at high speed. Initial inspection was performed around 11:30 PM by Andrew Bush. The decision was made to close the bridge because of the impact and the icy conditions of the steel grid deck.

Andrew Bush, Gary Cochran, Craig Bresch and Greg Cady returned at 8:00 am 3-21-18 when daylight was present to continue inspection.

The vertical suffered deformation for a height of 54". The interior channel was bent for a lateral distance of up to 2". The NE angle was distorted and split/fractured for a height of 30". The build up plate on the interior side was bent, and there was a crack/gouge on the NW angle for a length of 2.25".

The vertical has shifted over 1/2" on the pin at L31 from the impact. The distance between the 2 channels of the vertical had closed up to 1" less in places. The shift in the vertical impacted the lower chord on the exterior channel, with only a minor dent and loss of paint in the lower chord.

The photos and notes were sent to Josh Rogers of KYTC and Dr. Harik of The University of Kentucky, who performed the last load rating and condition summary of the bridge. At this point the decision was made to keep the bridge closed until repairs could be made.

Only subject area at Vertical 31 DS was in the scope of this inspection.

Characters remaining: 2522

Check Spelling Cancel Apply

word wraped

Add titles. (Why do they show up on the Visual Editor, but not on the Webpage?)

The screenshot shows the 'Admin > General Config > Visual Form Editor' interface. At the top, there is a breadcrumb trail and a 'Toolbox' button. Below this, there are several form fields: 'Bridge' with a dropdown menu showing 'Item1', 'Facility Carried (000):' with a text input field containing 'Facility Carried', 'Inspection (000)' with a dropdown menu showing 'Item3', a dashed box containing 'type (000)', and 'Status (000):' with a dropdown menu showing 'Item6'. Below the form fields is a list of note groups, each with a clipboard icon and a text input field:

- Bridge Notes
- Inspection Notes
- Scour Notes
- Load Rating Notes
- Posting Compliance Notes

A callout bubble points to the 'Bridge Notes' group, containing the text: 'click on outside of the group box to select group.'

Add all 5 titles and change the order so they are where you want them.

Admin > General Config > Visual Form Editor

The screenshot shows the Visual Form Editor interface. On the left, the 'Task Selection' panel has a 'Save' button with a red circle '6' next to it. Below it, the 'Toolbox' shows 'Posting Compliance Notes' and 'Bridge Notes'. A callout bubble points to 'Bridge Notes' with the text: 'appears at bottom move up using Order box'. In the center, the 'Form Elements' panel contains various controls like 'Group Box', 'Text Box', 'Dropdown List', 'Save Button', 'Button', 'Header Box', 'Text Box', 'Checkbox', 'Save & Close Button', 'Delete Inspection Button', 'Footer Box', 'Text Box (Parameter)', 'Text Label', 'Cancel Button', and 'Calendar'. A red circle '2' is next to 'Text Label', and a red circle '3' is next to the 'Add Element' button. On the right, the 'Selected Control Properties' panel shows fields for 'Name', 'Label', 'Tooltip Label', 'Order', 'Default Value', 'Postback Event ID', 'Control GUI ID', 'Show Label Colon', 'Visible', 'Read Only', 'Bold Label', 'Label Color', 'Field Width', and 'Label Width'. A red circle '4' is next to the 'Label' field, and a red circle '5' is next to the 'Label Color' dropdown. A red arrow points from the callout bubble to the 'Order' field, which contains the value '12'.

Task Selection
Select a Tab and Task to Begin.
Tab Name: KYTC Tasks: Demo of Notes
New Tab New Task Copy Task
Save Changes Toggle Outlines

Form Elements
Group Box Custom Control Dropdown List Save Button Button
Header Box Text Box Checkbox Save & Close Button Delete Inspection Button
Footer Box Text Box (Parameter) Text Label Cancel Button Calendar
Add Element

Selected Control Properties
Name: Bridge
Label: Bridge Notes
Tooltip Label: Tooltip Text
Order: 12
Default Value:
Postback Event ID:
Control GUI ID:
Show Label Colon:
Visible:
Read Only:
Bold Label:
Label Color: None
Field Width: 145 px
Label Width: 100 px
Delete Control

▲ Toolbox
Posting Compliance Notes Posting Compliance Notes
Bridge Notes

appears at bottom move up using Order box

After adding and reordering labels

Admin > General Config > Visual Form Editor

▼ Toolbox

Bridge [Item1] Facility Carried (000) Facility Carried Inspection (000) [Item3] [Type (000)] Status (000) [Item6]

Bridge Notes:
Bridge Notes

Inspection Notes:
Inspection Notes

Scour Notes:
Scour Notes

Load Rating Notes:
Load Rating Notes

Posting Compliance Notes:
Posting Compliance Notes

Selected Control Properties

Name: Posting Compliance Note
Label: Posting Compliance Note
Tooltip Label: Tooltip Text
Order: 15
Default Value:
Postback Event ID:
Control GUI ID:
Show Label Colon:
Visible:
Read Only:
Bold Label:
Label Color: None
Field Width: 145 None
Label Width: 100 px
Delete Control

What you see is not what you get.
WYSINWYG?

FAULHABER, MARK

Bridge: 059B00048N Facility Carried (007): SUSPENSION BRIDGE Inspection: 2018-04-27 (OQHL)



KYTC > Notes

titles are there now.

- BRIDGES
- INSPECTION
- KYTC
- SUMMARY & MISCELLANEOUS
- NOTES
- SCOUR
- WEIGHTS
- HIS & CLEARANCE
- COPY OF NOTES
- NOTES DEMO
- TUNNELS

Bridge Notes:
Overall the structure is in fair condition underwater with no recommended repairs at this time. For additional details see the underwater inspection report in the Media Tab.

Inspection Notes:
4-27-18: Emergency repairs were made according to design plans on Vertical 31. See media tab for photos and plans.

Scour Notes:

Load Rating Notes:
2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss. ALI
3/21/18 Close the structure to all traffic due to the condition of the vertical after the traffic impact. DGA

Posting Compliance Notes:

Add Cancel, Save and Save & Close to the footer.

Admin > General Config > Visual Form Editor

The screenshot shows the Visual Form Editor interface with several numbered callouts:

- 1**: Tab Name dropdown menu.
- 2**: Tasks dropdown menu.
- 3**: Save Form Changes button.
- 4**: Footer area of the form.
- 5**: Cancel Button in the Form Elements palette.
- 6**: Add Element button in the Form Elements palette.
- 7**: Save Button in the Form Elements palette.
- 8**: Save & Close Button in the Form Elements palette.
- 9**: Save & Close Button in the form footer.
- 10**: Save & Close Button in the form footer.
- 11**: Save Form Changes button in the form footer.

Form Elements

Group Box	Custom Control	Dropdown List	Save Button	Button
Header Box	Text Box	<input type="checkbox"/> Checkbox	Save & Close Button	Delete Inspection Button
Footer Box	Text Box (Parameter)	Text Label	Cancel Button	Calendar

Selected Group Properties

Name:	Inspection Footer
Group Type:	Inspection Footer Group Box
Visible:	<input checked="" type="checkbox"/>
Read Only:	<input type="checkbox"/>
Span Across:	<input type="checkbox"/>
Order:	3
Horizontal Alignment:	None
Vertical Alignment:	None
Repeat Direction:	Vertical
Repeat Count:	1
Height:	0 None
Width:	100 %
Cell Spacing:	
Cell Padding:	
Skin:	None

[Delete Group](#)



KYTC > Notes Demo

Bridge Notes:

Overall the structure is in fair condition underwater with no recommended repairs at this time. For additional details see the underwater inspection report in the Media Tab.

Inspection Notes:

4-27-18: Emergency repairs were made according to design plans on Vertical 31. See media tab for photos and plans.

Scour Notes:

Load Rating Notes:

2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss. ALI

3/21/18 Close the structure to all traffic due to the condition of the vertical after the traffic impact. DGA

Posting Compliance Notes:

- BRIDGES
- INSPECTION
- KYTC
- SUMMARY & MISCELLANEOUS
- NOTES
- SCOUR
- WEIGHTS
- HIS & CLEARANCE
- NOTES DEMO
- TUNNELS
- REPORTS
- ANALYSIS
- PROJECTS
- PROGRAMS
- GATEWAY

Cancel

Save

Save & Close



Setting up Security is pretty cool

FAULHABER, MARK | Admin > General Config > Visual Form Editor

▼ Toolbox

Bridge: Item1 | Facility Carried (000): F | Inspection (000): Item3 | Type (000): | Status (000): Item6

Bridge Notes: Bridge Notes

Inspection Notes: Inspection Notes

Scour Notes: Scour Notes

Load Rating Notes: Load Rating Notes

Posting Compliance Notes: Posting Compliance Notes

Cancel | Save | Save & Close

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 BrM Version 6.0.0.178755 RC 1 [Build Date: Wednesday August 8, 2018]
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Tab Security

Role	Visible	Read Only
Admin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AdminAnaly	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Advanced	<input type="checkbox"/>	<input type="checkbox"/>
Analysis	<input type="checkbox"/>	<input type="checkbox"/>
Basic	<input type="checkbox"/>	<input type="checkbox"/>
Default	<input type="checkbox"/>	<input type="checkbox"/>
KY BORDER BRIDGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY CHIEF INSPECTOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY CONTRACT INSPECTOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY DISABLED USERS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KY DISTRICT BRIDGE ENGINEER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY INSPECTOR NON-QTL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY INSPECTOR QTL	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY LOAD RATER	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY PAINT	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY PONTIS CONNECT	<input type="checkbox"/>	<input type="checkbox"/>
KY READ ONLY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KY READ ONLY w/ Cross Sections	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KY READ ONLY w/ Media Tab Upload	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KY READ ONLYw/ Admin read only	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KY SCOUR	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY SYSTEM ADMIN	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY Tunnel Edit Only add-on	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
KY Tunnel Read Only add-on	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Task Security

Role	Visible	Read Only
Admin	<input checked="" type="checkbox"/>	<input type="checkbox"/>
AdminAnalysis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Advanced	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Analysis	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Basic	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Default	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KY BORDER BRIDGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>

1

2

3

4

Can't see

can see but not touch

defaults to allow everyone access.

Save

But wait, there's more.....

Suppose you want to "pretty it up"

FAULHABER, MARK

Bridge: 059B00048N Facility Carried (007): SUSPENSION BRIDGE Inspection: 2018-04-27 (OQHL) Type: Special-Other Submitted Status: Approved

KYTC > Notes

Structure Notes:

Overall the structure is in fair condition underwater with no recommended repairs at this time. For additional details see the underwater inspection report in the Media Tab.

Size field to allow reading whole note

Word wrap.

Inspection Notes:

4-27-18: Emergency repairs were made according to design plans on Vertical 31. See media tab for photos and plans.

A car hit the Downstream Vertical 31, on the downstream side around 10 PM on 3-20-18, at high speed. Initial inspection was performed around 11:30 PM by Andrew Bush. The decision was made to close the bridge because of the impact and the icy conditions of the steel grid deck.

Andrew Bush, Gary Cochran, Craig Bresch and Greg Cady returned at 8:00 am 3-21-18 when daylight was present to continue inspection.

The vertical suffered deformation for a height of 54". The interior channel was bent for a lateral distance of up to 2". The NE angle was distorted and split/fractured for a height of 30". The build up plate on the interior side was bent, and there was a crack/gouge on the NW angle for a length of 2.25".

The vertical has shifted over 1/2" on the pin at L31 from the impact. The distance between the 2 channels of the vertical had closed up to 1" less in places. The shift in the vertical impacted the lower chord on the exterior channel, with only a minor dent and loss of paint in the lower chord.

The photos and notes were sent to Josh Rogers of KYTC and Dr. Harik of The University of Kentucky, who performed the last load rating and condition summary of the bridge. At this point the decision was made to keep the bridge closed until repairs could be made.

Only subject area at Vertical 31 DS was in the scope of this inspection.

Scour Notes:

See cross section in Underwater Inspector Report dated 8/29/2012. EDV 6/30/2017

Load Rating Notes:

2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss. ALI

3/21/18 Close the structure to all traffic due to the condition of the vertical after the traffic impact. DGA

4/27/18 Due to the recent repairs, revert back to the 11 ton posting. DGA

Posting Compliance Notes:

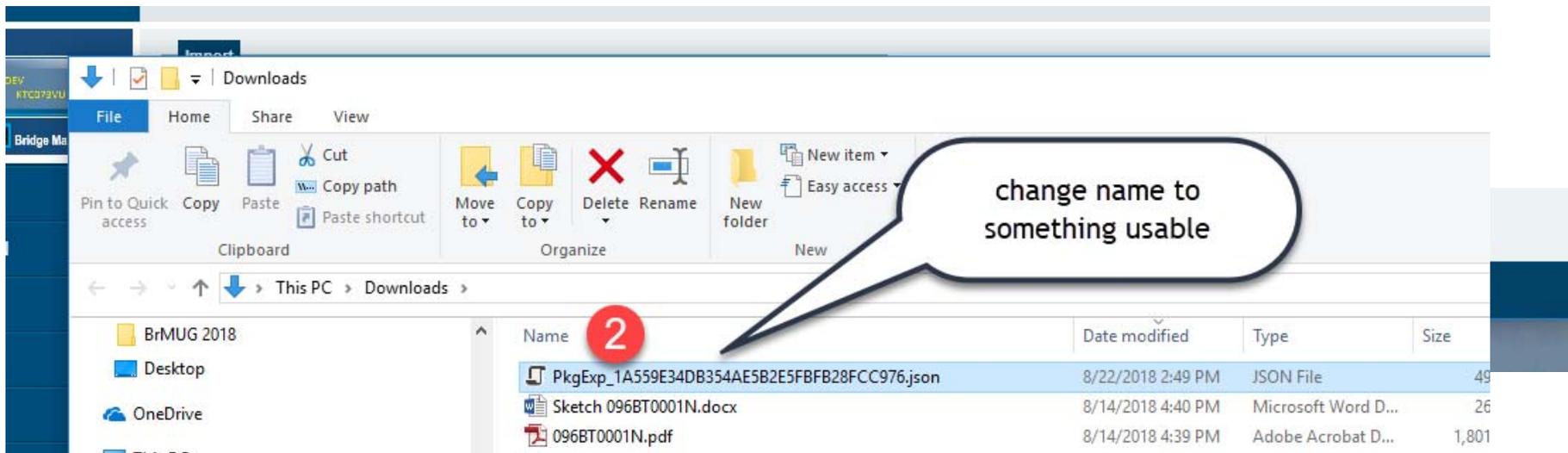
Export the page definition and edit it directly

The screenshot displays the 'Admin > General Config > Page Export' interface. The left sidebar contains a navigation menu with items: BRIDGES, INSPECTION, KYTC, TUNNELS, REPORTS, ANALYSIS, PROJECTS, PROGRAMS, GATEWAY, ADMIN (1), SECURITY, GENERAL CONFIG (2), PARAMETERS, LOGGING, STANDARD, AGENCY, and VISUAL FORM EDITOR (3). The main content area has an 'Import' section with an 'Import file:' field and a 'Select' button. Below it is an 'Export' section with a 'Context:' dropdown menu (4) set to 'Navigation'. A tree view shows the following structure:

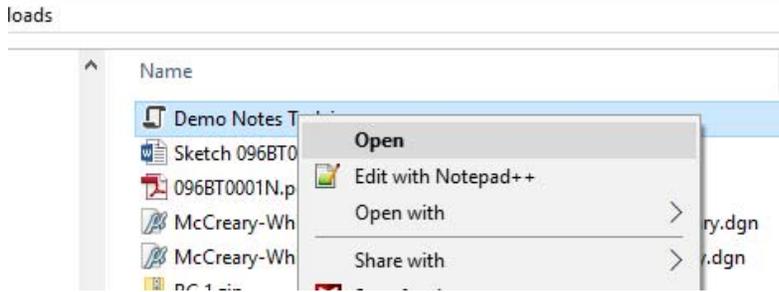
- KYTC
 - BridgePlans
 - Demo of Notes (5)
 - Inspection Footer
 - Item1
 - Item2
 - Item3
 - Inspection Header
 - No Caption
 - HIS & Clearance
 - Notes

At the bottom, a file dialog is open with the message: 'Do you want to open or save PkgExp_1A559E34DB354AE5B2E5FBFB28FCC976.json (48.7 KB) from ktc073vu-ws006?'. The dialog includes 'Open', 'Save' (6), and 'Cancel' (7) buttons.

Page Export downloads a .json file containing the page definition.



You need some (free) tools...



Unformatted .json is Uggly

```
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}
```

From the visual Editor. Make it meaningful

"HEIGHT": "240px",

2

3

"WRAP_TEXT_IND": "T",

Find What: Bridge Notes

Find Next

Count

Find All in All Opened Documents

Find All in Current Document

Close

Backward direction

Match whole word only

Match case

Wrap around

Search Mode

Normal

Extended (\n, \r, \t, \0, \x...)

Regular expression

matches newline

Transparency

On losing focus

Always

Find: Found the 1st occurrence from the top. The end of the document has been reached.

Don't forget to save on the way out!

MigrateSiteManagerReferenceData.log x new 2 x Prod Notes Task.json x

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```

Find

Find Replace Find in Files Mark

Find what: "COLUMN_NAME": "notes",

Find Next

Count

Find All in All Opened Documents

Find All in Current Document

Backward direction

Match whole word only

```
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make the same changes for
the other 4 notes fields.

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16 "LABEL_CAPTION_ID": null,  
17 "ORDER_NUM": 10.0,  
18 "VISIBLE_IND": "T",  
19 "READ_ONLY_IND": "F",  
20 "TABLE_NAME": "userbrdg",  
21 "COLUMN_NAME": "postcompnote",  
22 "CONTROL_TYPE": "Imaged Text Box",  
23 "HEIGHT": "40px",  
24 "FIELD_WIDTH": "1200px",  
25 "LABEL_WIDTH": null,  
26 "VALUE_COLOR": "None",  
27 "VALUE_BOLD_IND": null
```

- Backward direction
- Match whole word only
- Match case
- Wrap around

- Search Mode 1
- Normal
 - Extended (\n, \r, \t, \0, \x...)
 - Regular expression . matches newline

```
50 "CELL_PADDING": null,  
51 "CELL_SPACING": null,  
52 "WRAP_TEXT_IND": "T",  
53 "IMAGE_URL": "/images/notes.gif",  
54 "MAX_CHARS": 3999.0,  
55 "ENABLE_VIEW_STATE_IND": null,  
56 "DDX_TYPE_ID": null,  
57 "DESKTOP_URL": null,  
58 "MULTI_LINE_ROWS": null,
```

I used a shorter box
for Posting
Compliance

Don't forget to
save on the way
out!

Now, Import the changes you made

Click Select and Navigate to the .json file you just saved.

Admin > General Config > Page Export

Import

Import file: **Select** (1)

Export

Context: Navigation

EXPORT	NAME
<input type="checkbox"/>	Bridges
<input type="checkbox"/>	Inspection
<input type="checkbox"/>	KYTC
<input type="checkbox"/>	BridgePlans
<input type="checkbox"/>	Demo of Notes
<input type="checkbox"/>	HIS & Clearance
<input checked="" type="checkbox"/>	Notes
<input checked="" type="checkbox"/>	Inspection
<input checked="" type="checkbox"/>	It...

Choose File to Upload

This PC > Downloads

Organize New folder

Name	Date modified	Type	Size
Prod Notes Task.json (3)	8/22/2018 4:18 PM	JSON File	49 KB
Demo Notes Task.json	8/22/2018 4:17 PM	JSON File	57 KB
Sketch 096BT0001N.docx	8/14/2018 4:40 PM	Microsoft Word D...	26 KB
096BT0001N.pdf	8/14/2018 4:39 PM	Adobe Acrobat D...	1,801 KB
McCreary-Whitley Counties - CID 18-1026-PRmanu - ...	8/14/2018 10:23 AM	Bentley MicroStati...	606 KB
McCreary-Whitley Counties - CID 18-1026- PRmanu - ...	8/14/2018 10:16 AM	Bentley MicroStati...	714 KB
RC 1.zip	8/9/2018 8:38 AM	Compressed (zipp...	301,131 KB
Inventory_Data20187189121.xml	8/8/2018 3:07 PM	XML File	10 KB
Layout Column position.docx	8/8/2018 12:35 PM	Microsoft Word D...	457 KB
001B00021N.pdf	8/7/2018 1:10 PM	Adobe Acrobat D...	684 KB
BrM User Heat Ticket Template.docx	8/6/2018 2:28 PM	Microsoft Word D...	39 KB
AASHTOWarePavementMEDesignInstaller.zip	8/3/2018 12:52 PM	Compressed (zipp...	337,042 KB
15285.pdf	8/2/2018 8:14 AM	Adobe Acrobat D...	3,320 KB

Downloads was a bad place to have put this.

http://kctc073vu-ws006/BrM6/admin/AgencyGateway.aspx?PON_NAV_TAB_GD=1349E980443542 Component Package

FAULHABER, MARK Admin > General Config > Page Export

1

Import

Import file: Prod Notes Taskjson Remove

Export

Context: Navigation

EXPORT	NAME
<input type="checkbox"/>	Bridges
<input type="checkbox"/>	Inspection

BRIDGES
INSPECTION
KYTC
TUNNELS

PAGE EXPORT
EQUATION EDITOR
SET EDITOR
VALIDATION EDITOR
MANAGE ASSET TYPES

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Export Selected Import File

2

http://kctc073vu-ws006/BrM6/admin/AgencyGateway.aspx?PON_NAV_TAB_GD=1349E980443542 Component Package

FAULHABER, MARK Admin > General Config > Page Export **File import was successful.**

Import

Import file: Select

Export

Context: Navigation

EXPORT	NAME
<input type="checkbox"/>	Bridges

BRIDGES
INSPECTION
KYTC



FAULHABER, MARK

Bridge: 059B00048N

Facility Carried (007): SUSPENSION BRIDGE

Inspection: 2018-04-27 (OQHL)

Type: Special-Other

Status: Approved

NOTES DEMO

TUNNELS

REPORTS

ANALYSIS

PROJECTS

PROGRAMS

GATEWAY

ADMIN

KYTC > Notes Demo

Andrew Bush, Gary Cochran, Greg Cochran and Greg Gandy returned at 8:00 am 3/27/18 when daylight was present to continue inspection.

The vertical suffered deformation for a height of 54". The interior channel was bent for a lateral distance of up to 2". The NE angle was distorted and split/fractured for a height of 30". The build up plate on the interior side was bent, and there was a crack/gouge on the NW angle for a length of 2.25".

The vertical has shifted over 1/2" on the pin at L31 from the impact. The distance between the 2 channels of the vertical had closed up to 1" less in places. The shift in the vertical impacted the lower chord on the exterior channel, with only a minor dent and loss of paint in the lower chord.

The photos and notes were sent to Josh Rogers of KYTC and Dr. Harik of The University of Kentucky, who performed the last load rating and condition summary of the bridge. At this point the decision was made to keep the bridge closed until repairs could be made.

Only subject area at Vertical 31 DS was in the scope of this inspection.

Scour Notes:

Empty text area for Scour Notes.

Load Rating Notes:

2012 Post at 11 tons due to the load rating of a floorbeam with 20% section loss. ALI
3/21/18 Close the structure to all traffic due to the condition of the vertical after the traffic impact. DGA
4/27/18 Due to the recent repairs, revert back to the 11 ton posting. DGA

Posting Compliance Notes:

Empty text area for Posting Compliance Notes.

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Cancel

Save

Save & Close