



PONTIS UPDATE

November 2011



Conference Outline

- User Identified Critical Bugs (show stoppers)
- Additional Features
- Pontis 5.1.2 Schedule
- Pontis Q&A
- AASHTO Element Migrator Status
- Proposed Enhancements
- Release Schedule
- Pontis 5.2 Update

Bug Resolution

- The Following Critical Bugs Are Fixed in Beta 6
 - Unable to add Condition States to newly created elements. (PLBETA-162)
 - Pontis not changing the ELEINSDATE in the PONELEM_INSP table (PLBETA-124)
 - Userkey fields not being populated in PON_ELEM_DEFS and PON_ELEM_INSP tables. (PLBETA-113)
 - Cannot edit MRR action definitions (PLBETA-159)
 - Cannot check in bridges using override in Gateway (PLBETA-178)
 - Sufficiency rating calculate status not being updated (PONWEB-90)
 - Unable to access user tables through agency forms. (PLBETA-147)
 - Pontis not up to date with latest FHWA submission metrics. (PLBETA-144)

Bug Resolution

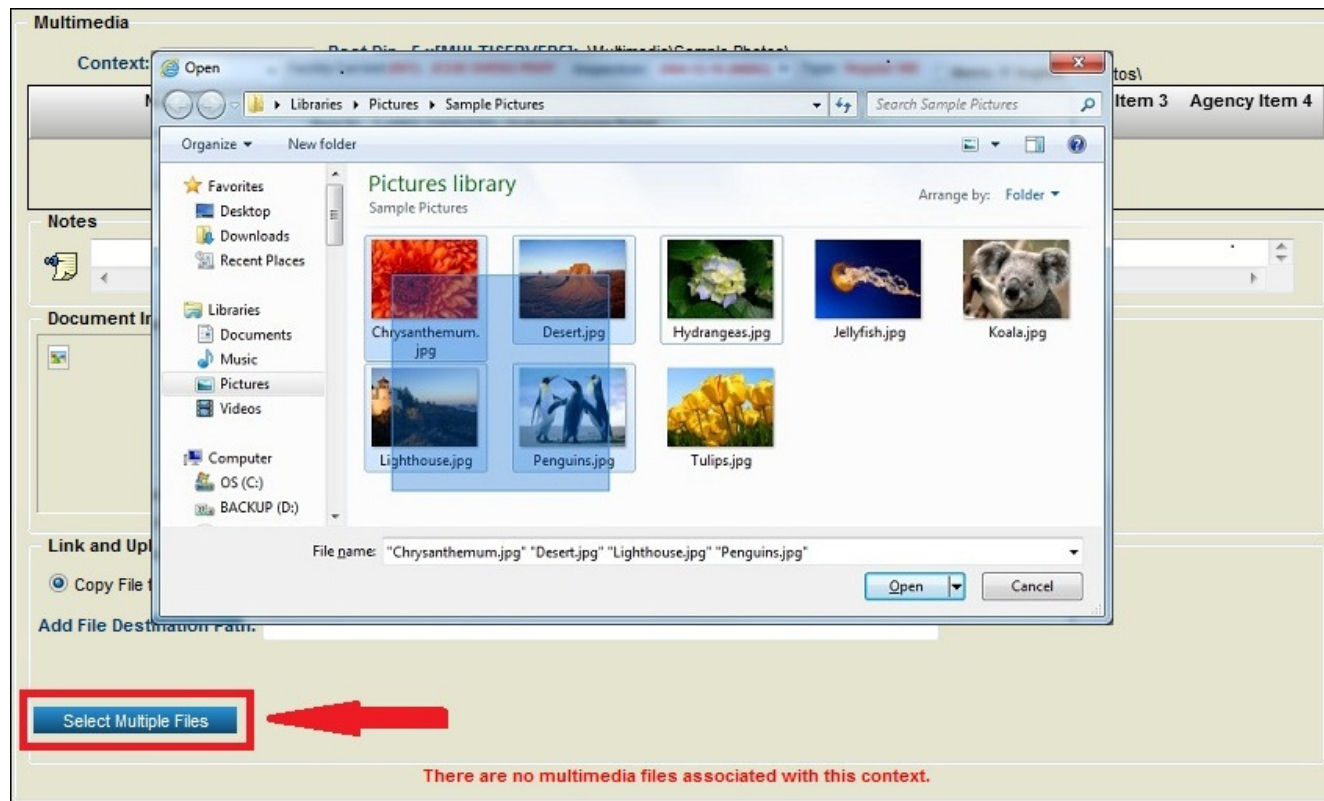
- Added Flexibility in Beta 6
 - Schedule screen handling dates incorrectly for new inspections (PLBETA-177)
 - New COPTION - explanation on how dates work
 - The “Inspection Date (090)” and “NBI (090)” dates not synched. (PLBETA-193)
 - New COPTION – explanation on dates how dates work
- Non Critical Bugs
 - User presented a second list of non critical bugs.
 - The development team has been addressing these as the opportunity presents itself.

Deferred Items

- Pontis times out when trying to run the Sufficiency Rating calculation on 2,000 bridges.
 - Fix requires a major redevelopment of the underlying C++ code used to perform the calculation in order to avoid the webserver timing out due to inactivity.
 - Task Force feels that a viable work around is available and that the cost to fix is not the best use of available funds at this time.
- Very infrequently, buttons or tabs may not be visible after navigating away from and then back to a particular screen.
 - Developer is unable to reproduce this issue, but acknowledges that they have seen it.
 - This item will continue to be tracked until a cause and solution can be found.















Improved Features

- Multiple Photo Load



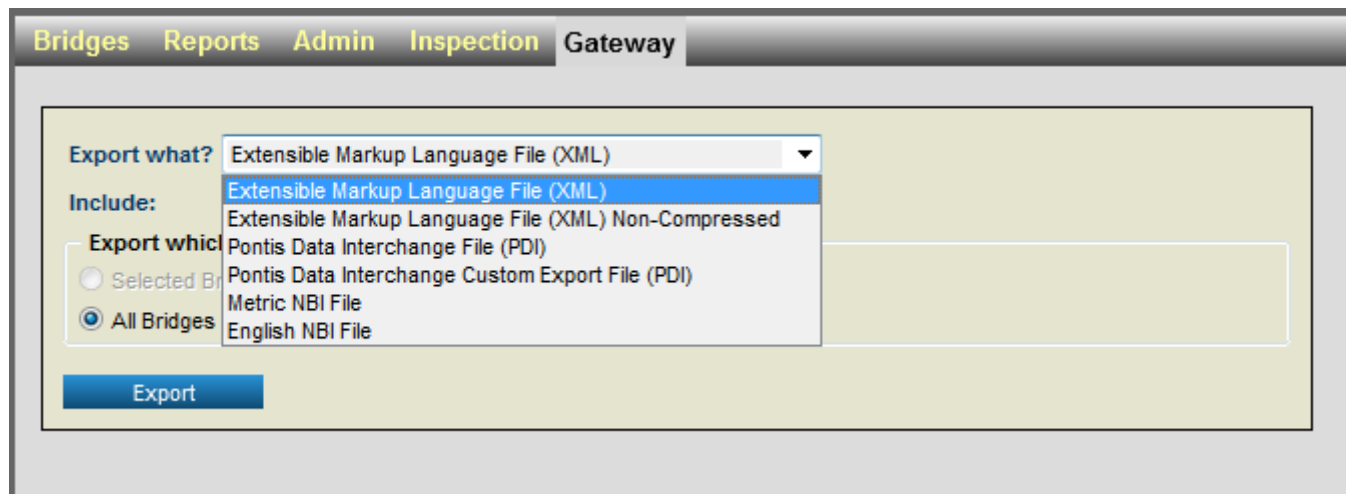
New Feature – Protective Systems

- Parent/child relationships
- Easily identifiable through icons

	Elem	Str. Unit	Env	Description	Quantity	Units	Qty. 1	Qty. 2	Qty. 3	Qty. 4	
		107	0 / Type = M (0)	Ben. (1)	Steel Open Girder / Beam	1640.420	ft	1640	0	0	0
		116	0 / Type = M (0)	Ben. (1)	R/C Stringer	1.000	ft	1	1	0	0
		358			Concrete Cracking	1.000	ft	1	0	0	0
		515			Steel Protective Coating	1.000	sq.ft	1	1	0	0
		202	0 / Type = M (0)	Low (2)	Steel Column	24.000	each	0	0	24	0
		241	0 / Type = M (0)	Low (2)	R/C Culvert	1.000	ft	1	0	0	0

New Feature – XML Export/Import

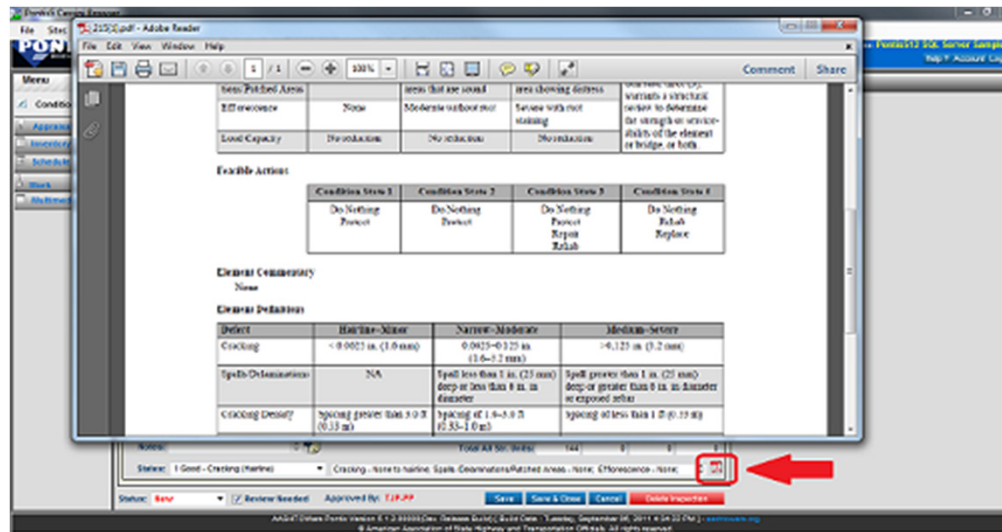
- XML is an industry standard format for saving and transferring data
- PDI is still available option for exporting/importing data



The screenshot shows a software interface with a navigation bar at the top containing the following tabs: Bridges, Reports, Admin, Inspection, and Gateway. The main content area is a form for exporting data. It features a dropdown menu labeled "Export what?" with "Extensible Markup Language File (XML)" selected. Below this is an "Include:" section with a list of options: "Extensible Markup Language File (XML)", "Extensible Markup Language File (XML) Non-Compressed", "Pontis Data Interchange File (PDI)", "Pontis Data Interchange Custom Export File (PDI)", "Metric NBI File", and "English NBI File". To the left of this list is an "Export which" section with two radio buttons: "Selected Br" (unselected) and "All Bridges" (selected). At the bottom of the form is a blue "Export" button.

Improved Features

- Integrated Guide Manuals



- Easy access to past CoRe elements

Elem	Str. Unit	Env	Description	Quantity	Units	Qty. 1	Qty. 2	Qty. 3	Qty. 4	Qty. 5
241	0 / Type = M (0)	Low (2)	(CoRe) Concrete Culvert	647.999	(LF)	641	7	0	0	0
333	0 / Type = M (0)	Low (2)	(CoRe) Other Bridge Railing	157.999	(LF)	158	0	0	0	0
334	0 / Type = M (0)	Low (2)	(CoRe) Misc. Rail -.33 m sw	342.001	(LF)	342	0	0	0	0
515	0 / Type = M (0)	Low (2)	(CoRe) Custom R/C Wing Wall	354.326	(LF)	354	0	0	0	0

Pontis 5.1.2 Schedule

- Beta 6 to be delivered to testers on November 18th
 - Includes critical bug fixes
 - Multiple photo upload
 - Check in/check out capability
- Acceptance Version
 - Testing will determine when the software is ready for release.
 - We are getting very close
 - Anticipate release before the end of December

AASHTO Element Migrator

- AASHTO Executive Board funded stand-alone software to help implement the new AASHTO Bridge Element Inspection Manual.
- Will read your CoRe and agency customized elements and “Migrate” them to the new AASHTO elements.
- Operates off of editable “Migration Rules”.
- Official set of rules is being refined and will be finalized before release.
- Migrator produces an XML file that Pontis 5.1.2 will import to populate inspections with new-style elements.

Element Migrator Enhancements

- Three enhancements to the basic Migrator have been proposed.
 - Auto-creation of associated protection systems and defect flags with special rules
 - Allow “roll-up” elements to be defined in the rules and database with editable rollup mappings
 - Auto generation of Agency Defined Elements (ADE).
- Enhancements are pending funding from AASHTO Executive Board.
- Pontis 5.1.2 will support the proposed enhancements when implemented.

Element Migrator Release Schedule

- Once approved the Migrator enhancements will take 6 weeks to develop.
- Testing will follow the completion of the updated code.
- Upon acceptance by the Task Force, the final version will be released with a compatible Pontis version.
- Anticipate release by year's end depending on approval date.

Pontis 5.2 Development

- Pontis 5.2 is proposed to be phased in over time as the budget allows.
- Phase 1 scheduled for late summer 2012 will include the following:
 - Bridge level risk assessment
 - Action level utility functions
 - Network Corridors/Bridge Groups
 - Bridge Dashboards (first stage)
- Task Force is exploring additional funding sources to implement Pontis 5.2.
- Possible solicitation to raise the funds to make Pontis 5.2 available sooner.

Technical Review Team

- The development of Pontis 5.2 is a substantial undertaking.
- To increase user involvement in the development process a Technical Review Team (TRT) is being developed.
- The TRT candidates should have time to work on this effort and be a positive team player.
- If you are interested in working on the TRT, Please forward your resume to Mark Faulhaber at
 - mark.faulhaber@ky.gov



THANK YOU

This concludes the Pontis status update