System Level Deficiency Window

CAS/CAIS User Group Meeting

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System Level Deficiency Window

- Originally developed for one site to address legacy issues
- Was released to all sites as part of the CAIS 3.0 redesign in 2015
- Intended for shutdown assets only
- This screen can only be used for buildings/trailers that have a RPV value based on a model

Current System Level Deficiency Window

RPV Model: E15 - Office - Small (E15) Usage Code: 101 Office

The use of this window is only intended for Excess/Shutdown assets.

System Level Deficiency Cost

	System Level				Repair Needs				Deferred Maintenance				Total	
Volume	Cost	Factor	Percent Failed	DM	Engineered	System Level	IU	Calculation Method	Engineered	System Level	IU	Calculation Method	Repair Needs	Deferred Maintenance
A10-Foundation	$723,203	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
A20-Basement	$8,373	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
B10-Superstr.	$2,335,321	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
B20-Ext. Closure	$2,346,660	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
B30-Roofing	$338,576	1.000	0	No		$0	$750,000	IU			$750,000	IU	$750,000	$750,000
C10-Int. Const.	$1,283,485	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
C20-Int. Stairs	$667,559	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
C30-Int. Finish	$2,049,948	1.000	0	No		$0	$0	IU			$0	IU	$0	$0
Totals:					$0	$0	$3,550,000		$0	$0	$750,000		$3,550,000	$750,000

Proposed Changes – Phase I

Allow for system level deficiency percentage input only

System Level					Total	
Volume	Cost	Factor	Percent Failed	DM (Yes/No)	Repair Needs	Deferred Maintenance
A10 – Foundations	$723,203	1.000	0%	No	$0	$0
A20 – Basement Construction	$8,373	1.000	0%	No	$0	$0
B10 – Superstructure	$2,335,321	1.000	0%	No	$0	$0
B20 - Exterior Enclosure	$2,346,660	1.000	0%	No	$0	$0
B30 - Roofing	$338,576	1.000	50%	Yes	$169,288	$169,288
C10 – Interior Construction	$1,283,485	1.000	0%	No	$0	$0
					$169,288	$169,288

System Level Deficiency – Phase II

- Elimination of the deficiency percentage use of the window
- Window is not needed as the data on shutdown assets should continue to be maintained at the IU level
- Window becomes a read-only screen that displays the Repair Needs and Deferred Maintenance at the system level

System Level Deficiency – Phase II

Volume	Repair Needs	Deferred Maintenance
A10 – Foundations	$0	$0
A20 – Basement Construction	$0	$0
B10 – Superstructure	$0	$0
B20 - Exterior Enclosure	$0	$0
B30 - Roofing	$750,000	$750,000
C10 – Interior Construction	$0	$0
C20 – Stairs	$0	$0
C30 – Interior Finishes	$0	$0
	$750,000	$750,000

This displays a roll-up of the total IU level costs

Discussion

Topic 1

Is your Site actively using the system level window for shutdown assets?

Is your Site actively using the system level window for active assets? If so, why?

Topic 2

If your Site is using the system level window, did you originally develop RN and DM estimates at the IU level before the asset was shutdown?

- *If so, did you remove the IU level estimates when you began to use the system level window?*

Topic 3

If your Site is using the system level window, what are the unintended consequences of having only the IU level to estimate RN and DM?

Thanks for your input