

School Facilites Webinar June 13th, 2024

Facilities Condition Assessment





- 1. "...outline resources and steps necessary for all school buildings in the school district to be in good or perfect condition."
 - Facility condition assessments (FCA) are only to be conducted on student occupied facilities
 - The results in the software will provide the estimated dollar amount
 - The estimations from the software will likely be more than your allocation



- The actual 10-year plan and estimations from the software are **not** the same thing
- Estimations may be used to develop 10-year plan
- The *10-year plan* and *facility condition assessments* are still necessary, even if **all** School Modernization funds are allocated toward new construction, property acquisition, etc.



- MAPPS is a web-based FCA Tool:
 - Customized for unique requirements of Idaho HB 521
- It provides:
 - Relatively quick and easy FCAs
 - Common cost database for all districts
 - Single location for IDE to track district progress for HB521 requirements

How are facilities organized in MAPPS?



District Facilities Hierarchy for FCA Tool

District – Top level, information entered is for the entire district

- → School (Campus) The Physical campus location of a School
 - Building A significant structure for which an FCA will be performed

Addition – A Portion of the Building which represents a significant difference in the Age and Condition of major systems



Purpose: Offline method of collecting FCA data for a facility in a format that will streamline data entry

School (Campus)-Level

- Consists of 5 general questions about the condition of major system affecting the entire site
- Only one school-level survey is required for each campus
- School name and number should be those recognized by the state

Building-Level (Addition-Level)

- Consists of 37 general questions about the condition of major system within a building
- Building name and number should be a name and number for which the district can use to properly identify the building
- Data will be entered at the Addition-level
 - Each Building will have at least one addition (original structure)
 - At least one addition-level survey is required for each building
 - It is only required to create separate additions if a portion of the building represents a significant difference in Age and Condition from another portion. In this case, a survey will be required for each addition.
 - Addition name and number should be a name and number for which the district can identify the individual additions to a building.



Show Collection forms



Cost per SF

- Determined by Internal Review and verified with RS Means data
- Three School Types: Elementary, Middle, and High
- Two District Areas: Northern Idaho and State-wide
- Portable buildings have a unique cost, regardless of school type
- Cost per SF (\$/SF) will determine the hypothetical replacement cost by multiplying \$/SF X Total Area
 - Area will be entered at the Addition-level and summed up for the Building, School and District
 - EX: Replacement cost for a 150,000sf High School in the Northern Idaho district area will be estimated as: \$522.50 X 150,000 = \$78,375,000

		Const Cost Per	Site Pct Of Building
District Area	School Type	Sf	Cost
ldaho State-wide	Elementary	\$400.00	20%
Idaho State-wide	Middle	\$450.00	20%
Idaho State-wide	High	\$475.00	20%
Idaho State-wide	Portable	\$200.00	20%
Northern Idaho	Elementary	\$440.00	20%
Northern Idaho	Middle	\$495.00	20%
Northern Idaho	High	\$522.50	20%

Calculating Cost per year (10 Year Plan)



- Total weighting of all questions is 100% of the Replacement Cost
- Each question has an individual weighting to determine its contribution to the overall Building Replacement Cost
 - All individual question weights add up to 100%
 - Questions answered with "N/A" will have their individual weighting redistributed over the remaining questions.
- Each question has an estimated expected life
- Each Response (Good, Fair, Poor, Replace) has a weighting as to estimate, on average, how much remaining life a system has

Ex: 177,500sf High School with a replacement cost of \$100,350,000

(125,000sf Original Building + 50,000sf Addition at \$475/sf, 2,500sf Portable at \$200/sf, and 20% of combined building cost for site-level items)

School:	997	Test High Scho	ol			
System		Years 0-5	Years 6-10	Years 11-20	Years 20+	Total
Site		-	-	\$12,376,500	\$4,348,500	\$16,725,000
Structural		-	-	-	\$10,546,785	\$10,546,785
Exterior		\$1,314,256	-	\$7,661,444	\$2,166,495	\$11,142,195
Roofing		\$14,610	-	\$4,872,435	-	\$4,887,045
Interior		\$7,958,304	\$6,720,103	\$971,138	\$251,750	\$15,901,294
HVAC		\$6,459,033	\$30,220	\$2,574,025	-	\$9,063,278
Plumbing		\$19,160	\$2,134,415	\$3,185,350	\$238,863	\$5,577,788
Electrical		\$5,000	\$39,670	\$10,889,045	\$1,884,325	\$12,818,040
Fire & Safety		\$264,510	\$1,408,206	\$2,561,218	-	\$4,233,934
Technology		\$953,813	\$1,223,765	\$831,250	-	\$3,008,828
Specialties		\$2,211,625	\$1,667,500	\$2,329,190	\$237,500	\$6,445,815
Totals		\$19,200,310	\$13,223,879	\$48,251,594	\$19,674,218	\$100,350,000

MAPPS - Quick Look at Software



MAPPS - Schedule



MM/DD/YYYY - MAPPS "Go Live" and Training In the meantime, districts can begin assembling FCA data in format that aligns with MAPPS:

School:	N/A Good Fair Poor Replace Est. Life
Site-Level	N/A Good Tee New Region
Full	20
Site Condition Site Roadways	NA Good Yes
Notesi Parking Lots	NA Gold For Four Autor A
2 Site	40
3 Site Site Development	NA Cost For 15
Notes: Utilities	NA God Fer Por Ages
4 Site	NA
S Site Site Lighting	
Notes	

ool:	seniace Est. Life
ilding:	Good Fair Poor Non 100
dition:	N/A GOOU Part Part Report
Full	50
Foundations	Tana Canal Ino Para
i) Structural Foundation	20
Walls	Total Cond Nor You
	Laplan 20
Windows	THA Good Nor
Murat	The Part Partice 20
4 Exterior Doors	NA Good for Poor
	ter ter ter
Notes Roofing Roof System	NA Gent Nor 1
- North	too Poor Augusta 13
Roofing Openings	NA Good 100
NUMER	Per Septem
7 Interior Doors	NA God Fer
Notesi Wall Finishes	Tair Pour Explore
8 Interior Wall Plant	NA Good To 10
Notas: Floor Finishes	Good Fair Pour Bagicos
9 Interior	NA 0000 10
Notes Ceiling Finishes	fault for fur taylow
10 Interior	NA Gaar 25
Notes: Partitions	10 100
11 Interior	NA CONTRACTOR NOTICE IS
Noces: Stairways	NAR Good Ter Poor March
12 Interior	15
Notes: Primary Heating Source	Log Cool for New Cond
	15
Primary County	Table Court New Poor
Notesi Notesi Primary Air Systems - Equipment	Fue Segure 15
15 HVAC Primary Air System	
Nexes Nexes Nexes Nexes Nexes Nexes Nexes Nexes Nexes Nexes Nexes	Fact Replace 15
14 HVAC Terminal and Pacing	NA Goal for Poo
	time town the
Building Concern	
17 HVAC Notes: Electrical Service and Distribution	n faar Paar Raplain e
18 Electrical Electrical Service	
Nectorical Lighting (includes Exit Signs)	Paul Paul
	NA Cord No
Notesi Emergency Generator	
20 Electrical Emergency e	
Notas	

NAM OAM Fair F	
Name Name <th< th=""><th></th></th<>	
Making Condition - Full Image of the second secon	
31 Processing Image: Secondary Forging loading baseling Image: Secondary Forging Image: Secondary Image: Secondary Forging	
New Danielity Water Paging loads balances Image: The State Paging loads balances	
11 Improvement Im	
Interim Sandary / Vere Paper Image: Sandary / Vere Paper Image: Sandary Paper Image: Sandary Paper Image: Paper Image: Sandary Paper Image: Sandary Paper Image: Sandary Paper Image: Paper Image: Sandary Paper Image: Sandary Paper Image: Sandary Paper Image: Paper Image: Sandary Paper Image: Sandary Paper Image: Sandary Paper Image: Paper Image: Sandary Paper Image: Im	
1) Junce Image: Comparison of the second of	
Image: Speaker System	
If prove 54.06(*) L	
No. Standoptics S	
(a) For a Sam? (a)	
Non Constrainty System Constanty System Constrainty System	
Image: Series States Image: Series States Image: Series	
21) Fore Kanning Notes 28) Technology Computer Technology Infrastructure 29) Technology Non	
21) Fore Kanning Notes 28) Technology Computer Technology Infrastructure 29) Technology Non	
28 Тесписто	
	•
Technology Technology Na Good	20
Notes: Public Address & Intercom	
10 Technology	15
Notes Elevators and Lifts Fire Fire Super-	_
31 Speciation	25
Notes: Fixed Cabinetry Int Cost For Series	_
32 Speciatics	18
Fixed Lab and the Cost of the	-
Notesti environment super-	20
34 Specialties Fixed Kitchen Bduppen Andread State Sta	2
August Super-	
135 Specialties Locaet Na cont	-
Notes: Writing Surfaces Not first Train Surfaces	
16 Speciality	
Note: Stage Equipment	
17 Special	
Notes	





QUESTIONS?