



Idaho Department
of Education

School Facilities 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

Purpose for Facility Condition Assessment



- 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.

What is MAPPS?



- 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: $\$522.50 \times 150,000 = \$78,375,000$

District Area	School Type	Const Cost Per Sf	Site Pct Of Building Cost
Idaho 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 School			
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: _____

Site-Level

Site	Name	Condition					Est. Life
		N/A	Good	Fair	Poor	Replace	
1	Site						20
Site Condition - Full							
1	Site						20
2	Site						50
3	Site						40
4	Site						15
5	Site						

School: _____

Building: _____

Building Addition: _____

Building	Name	Condition					Est. Life
		N/A	Good	Fair	Poor	Replace	
Building Condition - Full							
1	Structural						100
2	Exterior						20
3	Exterior						20
4	Exterior						20
5	Roofing						20
6	Roofing						15
7	Interior						8
8	Interior						15
9	Interior						10
10	Interior						10
11	Interior						25
12	Interior						15
13	HVAC						15
14	HVAC						15
15	HVAC						15
16	HVAC						15
17	HVAC						30
18	Electrical						30
19	Electrical						20
20	Electrical						20

Building	Name	Condition					Est. Life
		N/A	Good	Fair	Poor	Replace	
Building Condition - Full							
21	Plumbing						20
22	Plumbing						40
23	Plumbing						20
24	Fire & Safety						20
25	Fire & Safety						10
26	Fire & Safety						10
27	Fire & Safety						10
28	Technology						10
29	Technology						15
30	Technology						20
31	Specialties						15
32	Specialties						25
33	Specialties						15
34	Specialties						20
35	Specialties						20
36	Specialties						20
37	Specialties						10

QUESTIONS?