

STATE ALLOCATION BOARD
IMPLEMENTATION COMMITTEE MEETING
September 7, 2012

Applying the Project Information Worksheet (PIW)
to Additional School Facility Program (SFP) Project Types

PURPOSE OF REPORT

The purpose of the report is to present an outline of the process flow and questions school districts would answer to complete an online PIW for modernization projects.

DESCRIPTION

At the January 2012 State Allocation Board (Board) meeting, the Board directed the Office of Public School Construction (OPSC) staff to take an item to the Committee to explore ways to streamline the PIW, and to explore applying the PIW to additional SFP projects beyond new construction.

At the February, March and April 2012 Committee meetings, OPSC staff worked with the Committee to develop plans to streamline the PIW online submittal process through auto-population of any information already collected by the OPSC, and to develop options to reduce the number of submittals required. The Committee also discussed whether the PIW could be used for SFP project types other than new construction, such as modernization. Consensus was reached that the worksheet would need substantial modifications to capture meaningful modernization project data.

The Board provided further clarification that the original direction at the January 2012 Board meeting was to develop a detailed proposal to expand the PIW to collect data for other SFP project types, and that it expects that this proposal will be included in the item that the OPSC presents to the Board.

AUTHORITY

See Attachment A

BACKGROUND

The Board approved the PIW in September 2007 and modified it in May 2010 (see Attachment B). The worksheet was approved by the Board for the following purposes:

- To analyze the relationship between the pupil grant and the cost of new construction pursuant to Education Code Section 17072.11(b)

- To demonstrate bond accountability
- To identify the changes in the bid climate over time
- To evaluate the High Performance Incentive (HPI) Grant

At the January 2012 Board meeting, the Board directed OPSC staff to bring a discussion of PIW improvements to the Committee, specifically to explore:

- Ways to streamline the PIW
- Reducing the number required submittals for individual projects
- Applying the PIW to programs other than New Construction

At its February, March and April 2012 meetings, the Committee discussed the first two elements of the Board direction at length. Pursuant to these discussions, OPSC staff took steps to streamline the online entry of the PIW, and to create proposals for the Board to reduce the number of required submittals.

At this time, the PIW is required for these SFP project types:

- New Construction (50)
- Facility Hardship New Construction (51)
- Critically Overcrowded Schools (53)
- Charter Schools (54) (new construction only)
- Overcrowding Relief Grant (56)
- Modernization (57) – only High Performance Incentive information, if applicable

The PIW is not required for these SFP project types:

- Joint-Use (52)¹
- Charter Schools (54) (rehabilitation)
- Career Technical Education (55) (new construction)
- Career Technical Education (59) (modernization)
- Modernization (57)
- Facility Hardship rehabilitation (58) (modernization)

In July 2012, the Committee began an in-depth discussion of how the PIW could be expanded to modernization programs. The Committee agreed that the current PIW would not effectively gather data for these programs, and that expanding the PIW to other programs would require different questions to address the wide variety of types of work that may be funded for modernization. At the August Committee meeting, OPSC staff presented sample questions and a modernization PIW draft.

¹ If a new construction project includes joint-use funding, then the district indicates the following information on the PIW: type of joint-use partner, OPSC application number (if applicable), type of joint-use facility and the amount of funds provided by the joint-use partner and/or the State. No information is gathered on the PIW for any joint-use project that is not part of a State-funded new construction project.

Based on feedback from Committee members and the public, OPSC staff has amended the questions that would be asked on a modernization PIW. Attachment C represents a more simplified version of the questions presented at the July Committee meeting. The final printed and the final online version of the PIW may not be formatted in the way the questions are presented on Attachment C, but the information requested would remain the same.

STAFF ANALYSIS/STATEMENTS

Currently, a PIW is required for all new construction projects that receive funding based on new construction pupil grants, or for modernization projects that receive HPI grant funding. The PIW in its current form is used for all SFP project types that are funded through these grants, but because its questions are oriented toward gathering new construction data, it could also be applied for Joint-Use and Career Technical Education (CTE) projects, though there may be additional data the Board would wish to capture for these programs.

The remaining SFP project types, Modernization, Facility Hardship Rehabilitation, CTE modernization and Charter School rehabilitation, are all variants of modernization. Just as the current PIW applies to several programs involving new construction, if the PIW was expanded to include questions related to modernization, it could be applied to all of these remaining programs.

Attachment C

Attachment C details the information the Project Information section of the modernization PIW would collect. Again, the final printed and the final online version of the Project Information section may not be formatted in the way that is presented, but information requested would remain the same.

Roadmap

Page 11 summarizes the project information section and illustrates where that section falls in the entire PIW. Districts would still complete project funding and project cost information and would then provide information about the schoolsite, the dollars spent by division of construction, and the work done per building.

Basic Schoolsite and Type of Work Information

Page 12 details the basic questions about the schoolsite and the work information districts would complete. The construction cost information categories is based on the 16 divisions of the Construction Specifications Institute Master Format.

Building Replacement – Building that was Replaced

Page 13 details the questions that would be asked if the modernization project included a building replacement. This page only relates to the building that was replaced.

Building Replacement – New Building

Page 14 details the questions that would be asked if the modernization project included a building replacement. This page only relates to the new building.

Buildings Modernized

Page 15 details the questions that would be asked if the modernization project modernized existing buildings.

Types of Work

Page 16 details the types of work categories districts would use to complete Questions 10 and 11 on page 15.

Attachment D

Attachment D provides more information about the work included in the broader Divisions of Construction categories listed on Question 4 on page 12.

NEXT STEPS

Identify improvements to the questions shown in Attachment C.

ATTACHMENT A

AUTHORITY

EDUCATION CODE

Education Code (EC) Section 17072.11 (b) states, "On or after January 1, 2008, the [Board] shall increase or decrease the per-unhoused-pupil grant eligibility determined pursuant to subdivision (a) by amounts it deems necessary to cause the grants to correspond to costs of new school construction, provided that the increase in any fiscal year pursuant to this section shall not exceed 6 percent."

EC 17074.25 states, "(a) A modernization apportionment may be used for an improvement to extend the useful life of, or to enhance the physical environment of, the school. The improvement may only include the cost of design, engineering, testing, inspection, plan checking, construction management, demolition, construction, the replacement of portable classrooms, necessary utility costs, utility connection and other fees, the purchase and installation of air-conditioning equipment and insulation materials and related costs, furniture and equipment, including telecommunication equipment to increase school security, fire safety improvements, playground safety improvements, the identification, assessment, or abatement of hazardous asbestos, seismic safety improvements, and the upgrading of electrical systems or the wiring or cabling of classrooms in order to accommodate educational technology. A modernization grant may not be used for costs associated with acquisition and development of real property or for routine maintenance and repair. (b) A modernization apportionment may also be used for the cost of designs and materials that promote the efficient use of energy and water, the maximum use of natural lighting and indoor air quality, the use of recycled materials and materials that emit a minimum of toxic substances, the use of acoustics conducive to teaching and learning, and other characteristics of high-performance schools."

EC Section 17070.35(a) states, "In addition to all other powers and duties as are granted to the board by this chapter, other statutes, or the California Constitution, the board shall do all of the following: . . . (2) Establish and publish any procedures and policies in connections with the administration of this chapter as it deems necessary."

GOVERNMENT CODE

Government Code Section 15503 states, "Whenever the board is required to make allocations or apportionments under this part, it shall prescribe rules and regulations for the administration of, and not inconsistent with, the act making the appropriation of funds to be allocated or apportioned. The board shall require the procedure, forms, and the submission of any information it may deem necessary or appropriate. . . ."

ATTACHMENT A

SCHOOL FACILITY PROGRAM REGULATIONS

School Facility Program (SFP) Regulation Section 1859.71 states, "The new construction per-unhoused-pupil grant amount, as provided by (EC) Section 17072.10(a), may be increased by an additional amount not to exceed six percent in a fiscal year, or decreased, based on the analysis of the current cost to build schools as reported on the Project Information Worksheet (New 09/07) which shall be submitted with the Forms SAB 50-05 and 50-06 and as approved by the Board."

SFP Regulation Section 1859.104.1 states, "A school district filing a (PIW) with the best information available will not be subject to a Material Inaccuracy for that information."

SFP Regulation Section 1859.71 states, "The new construction per-unhoused-pupil grant amount, as provided by Education Code Section 17072.10(a), may be increased by an additional amount not to exceed six percent in a fiscal year, or decreased, based on the analysis of the current cost to build schools as reported on the Project Information Worksheet (New 09/07) which shall be submitted with the Forms SAB 50-05 and 50-06 and as approved by the Board."

SFP Regulation Section 1859.104 states, "A School District receiving an Apportionment for high performance incentive grants pursuant to Section 1859.71.6 or 1859.77.4 shall submit a completed Project Information Worksheet to the OPSC for all expenditures related to the additional design and construction costs of the high performance building components. In addition, the School District shall provide information related to resulting energy savings and efficiency, as well as other resulting benefits. The Project Information Worksheet shall be submitted with the Form SAB 50-05 and the District's first and final Forms SAB 50-06 pursuant to (a)(1) and (2) above."

The information collected using this form is necessary in order to conduct an analysis of the relationship between the per-unhoused-pupil grant eligibility and the per-pupil cost of new school construction for grades K - 12 pursuant to Education Code Section 17072.11, to meet the requirements for bond accountability, and status of the bid climate.

COMPLETED BY		TITLE	
PHONE NUMBER		DATE COMPLETED	
APPLICATION NUMBER(S)			
SCHOOL DISTRICT		COUNTY	
PROJECT TRACKING NUMBER		PROJECT NAME	
REPORTING PERIOD			
<input type="checkbox"/> FUND RELEASE (FORM SAB 50-05)		<input type="checkbox"/> ANNUAL REPORTING PERIOD (FORM SAB 50-06)	
PERCENT COMPLETED _____			

PROJECT FUNDING

1. Is this a Financial Hardship Project? Yes No

2. Funds Available:

	AMOUNT	ESTIMATE	ACTUAL
a. Total Amount of State Apportionment(s):	\$	<input type="checkbox"/>	<input type="checkbox"/>
1. Project:	\$	<input type="checkbox"/>	<input type="checkbox"/>
2. Joint-Use (if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
b. Interest Earned on State Apportionment for this project:	\$	<input type="checkbox"/>	<input type="checkbox"/>
c. Total District Match:	\$	<input type="checkbox"/>	<input type="checkbox"/>
1. Project:	\$	<input type="checkbox"/>	<input type="checkbox"/>
2. Joint-Use (if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
d. Additional Local Funds Necessary to Complete State Funded Project:	\$	<input type="checkbox"/>	<input type="checkbox"/>

PROJECT COSTS

	AMOUNT	ESTIMATE	ACTUAL
1. Total cost for site acquisition (State share & District amount):	\$	<input type="checkbox"/>	<input type="checkbox"/>
2. Bid/Construction Contract Data:			
a. Accepted Base Bid Amount Prior to additive/deductive alternates:	\$	<input type="checkbox"/>	<input type="checkbox"/>
b. Amount of accepted additive/deductive alternates:	\$	<input type="checkbox"/>	<input type="checkbox"/>
c. Total Construction Cost:	\$	<input type="checkbox"/>	<input type="checkbox"/>
1) Building Cost in Contract(s):	\$	<input type="checkbox"/>	<input type="checkbox"/>
2) Site Development in Contract(s):	\$	<input type="checkbox"/>	<input type="checkbox"/>
3) Other (Interim Housing, Demolition, General Conditions, if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
3. Soft Costs (e.g., tests and inspections, architect fees, etc.):	\$	<input type="checkbox"/>	<input type="checkbox"/>
4. Estimated Remaining Project Cost Not Yet Contracted (Hard Costs):	\$	<input type="checkbox"/>	<input type="checkbox"/>
5. Construction Management Fees (General Conditions, if applicable):	\$	<input type="checkbox"/>	<input type="checkbox"/>
6. Contingency:	\$	<input type="checkbox"/>	<input type="checkbox"/>
7. Furniture and Equipment:	\$	<input type="checkbox"/>	<input type="checkbox"/>
8. Total Project Cost (Sum of 2c, 3, 4, 5, 6 and 7):	\$		

JOINT-USE INFORMATION:

1. Did the project include a joint-use partner? Yes No OPSC Application Number (if applicable): _____

2. Which type of joint-use partner did it include? Non-Profit Government Higher Education Other (Explain) _____

3. Did the joint-use partner contribute any capital funding towards the construction of the project? Yes No

If yes, how much? \$ _____

4. Which facilities were involved? Gymnasium Multi-Purpose Room Teacher Education Facility
 Library Childcare Facility Other (Explain) _____

ATTACHMENT B

PROJECT INFORMATION WORKSHEET
(rev 5/2010)

STATE OF CALIFORNIA — DEPARTMENT OF GENERAL SERVICES
STATE ALLOCATION BOARD

PROJECT INFORMATION

Project Type

School Type

Outdoor Physical Education Facilities: <i>(Check all that apply)</i>	
FACILITY	NUMBER
<input type="checkbox"/> Baseball Diamond	
<input type="checkbox"/> Softball Diamond	
<input type="checkbox"/> Football/Soccer Field	
<input type="checkbox"/> Playground/Hardcourt/Turf	
<input type="checkbox"/> Track	
<input type="checkbox"/> Swimming Pool	
<input type="checkbox"/> Stadium	
<input type="checkbox"/> Other <i>(Explain)</i>	

Grade and Number of Pupils Served: <i>(Check all that apply)</i>	
GRADE	NUMBER
<input type="checkbox"/> K	
<input type="checkbox"/> 1	
<input type="checkbox"/> 2	
<input type="checkbox"/> 3	
<input type="checkbox"/> 4	
<input type="checkbox"/> 5	
<input type="checkbox"/> 6	
<input type="checkbox"/> 7	
<input type="checkbox"/> 8	
<input type="checkbox"/> 9	
<input type="checkbox"/> 10	
<input type="checkbox"/> 11	
<input type="checkbox"/> 12	
<input type="checkbox"/> Non-Severe	
<input type="checkbox"/> Severe	

Master Plan Site Capacity of project <i>(Based on single-track use and local district loading standard):</i>	
Square footage of parking structure <i>(if applicable):</i>	
Net Useable Site Size <i>(Acres):</i>	

COMPONENT TYPES:		CONSTRUCTION TYPE (CHOOSE FROM PULL DOWN MENU)	SQUARE FOOTAGE FROM DSA APPROVED PLAN	FUND RELEASE (FIRST REPORT) SQUARE FOOTAGE	FIRST ANNUAL REPORT	FINAL EXPENDITURE REPORT
<i>(Complete if applicable)</i>	NUMBER				SQUARE FOOT	SQUARE FOOT
<input checked="" type="checkbox"/> Classrooms	17	Permanent				
<input checked="" type="checkbox"/> Classrooms	16	Modular				
<input checked="" type="checkbox"/> Classrooms	2	Portable				
<input type="checkbox"/> Multi-Purpose Room/Cafeteria						
<input type="checkbox"/> Cafeteria - Stand Alone						
<input type="checkbox"/> Kitchen						
<input type="checkbox"/> Library						
<input checked="" type="checkbox"/> Gym/Shower Locker Room	1	Permanent				
<input checked="" type="checkbox"/> Administration/Support	1	Permanent				
<input type="checkbox"/> Performing Arts Facility						
<input checked="" type="checkbox"/> Restroom Building	4	Portable				
<input type="checkbox"/> Other <i>(Explain)</i>						
Total:						

Total Square Feet All Facilities:
Permanent:
Modular:
Portable:

Total Building Cost (Per Square Foot)	
ORIGINAL ESTIMATE	CURRENT ESTIMATE / ACTUAL
\$	\$

ADDITIONAL INFORMATION: This information is being collected to evaluate the bid climate.

1. How many bidders bid the project? _____

2. What date did the bid(s) open? _____

3. How many times was the project re-bid? _____

4. Please describe the accepted additive/deductive alternates:
 Facilities (e.g., Multi-Purpose, Gym, Library) SQ. FT. _____
 Building Elements (e.g., metal roof, glazing) _____

5. Did this contract(s) include any facilities or other construction that has not yet been identified on this form?
 Yes No Explain. _____

6. Was the project modified due to cost? Yes No
a. What measures were taken? (e.g., permanent to portable) Explain _____

7. Indicate which facilities or elements were eliminated to meet the project budget and/or indicate any facilities that were added to the project. Provide a brief explanation of why they were eliminated. _____

a. Answer the following question only if the project received an Adjusted Grant fund release on or after November 1, 2007. Were the facilities and/or square footage that was added or deleted approved by:
the CDE Yes No
the DSA Yes No
the SAB Yes No
Please attach the appropriate documentation.

b. Are these buildings considered deferred until a later date? Yes No
If yes, explain. _____

8. Were there any local requirements or ordinances the district had to meet that were not funded with State funds (e.g., road, street improvements, utilities, fees)? Yes No
a. If yes, were these costs included in the contract? Yes No
b. If yes, please specify the local requirement and the associated cost. _____ Cost: \$ _____

9. Did you utilize existing architectural plans from another project? Yes No
a. If yes, how many times were these plans re-used within the district? _____ Project Name(s): _____
b. Indicate which other districts have used these plans, if known. _____
Who was the architect? _____

Comments/Additional Information _____

HIGH PERFORMANCE INCENTIVE GRANT INFORMATION

1. Is this a Financial Hardship Project? Yes No

2. Number of HPRC Points attained: _____

	AMOUNT	ESTIMATE	ACTUAL
3. Total State Apportionment:.....	\$	<input type="checkbox"/>	<input type="checkbox"/>
a. State Share HPI:.....	\$	<input type="checkbox"/>	<input type="checkbox"/>
4. Total District Match:	\$	<input type="checkbox"/>	<input type="checkbox"/>
a. Total HPI Match.....	\$	<input type="checkbox"/>	<input type="checkbox"/>

5. Differential Hard Costs of achieving High Performance:

Component/Element	High Performing Cost	Standard Cost	Difference
	\$		
	\$		

6. Differential Soft Costs of achieving High Performance:

Component/Element	High Performing Cost	Standard Cost	Difference
	\$		
	\$		

ADDITIONAL HIGH PERFORMANCE INCENTIVE GRANT INFORMATION

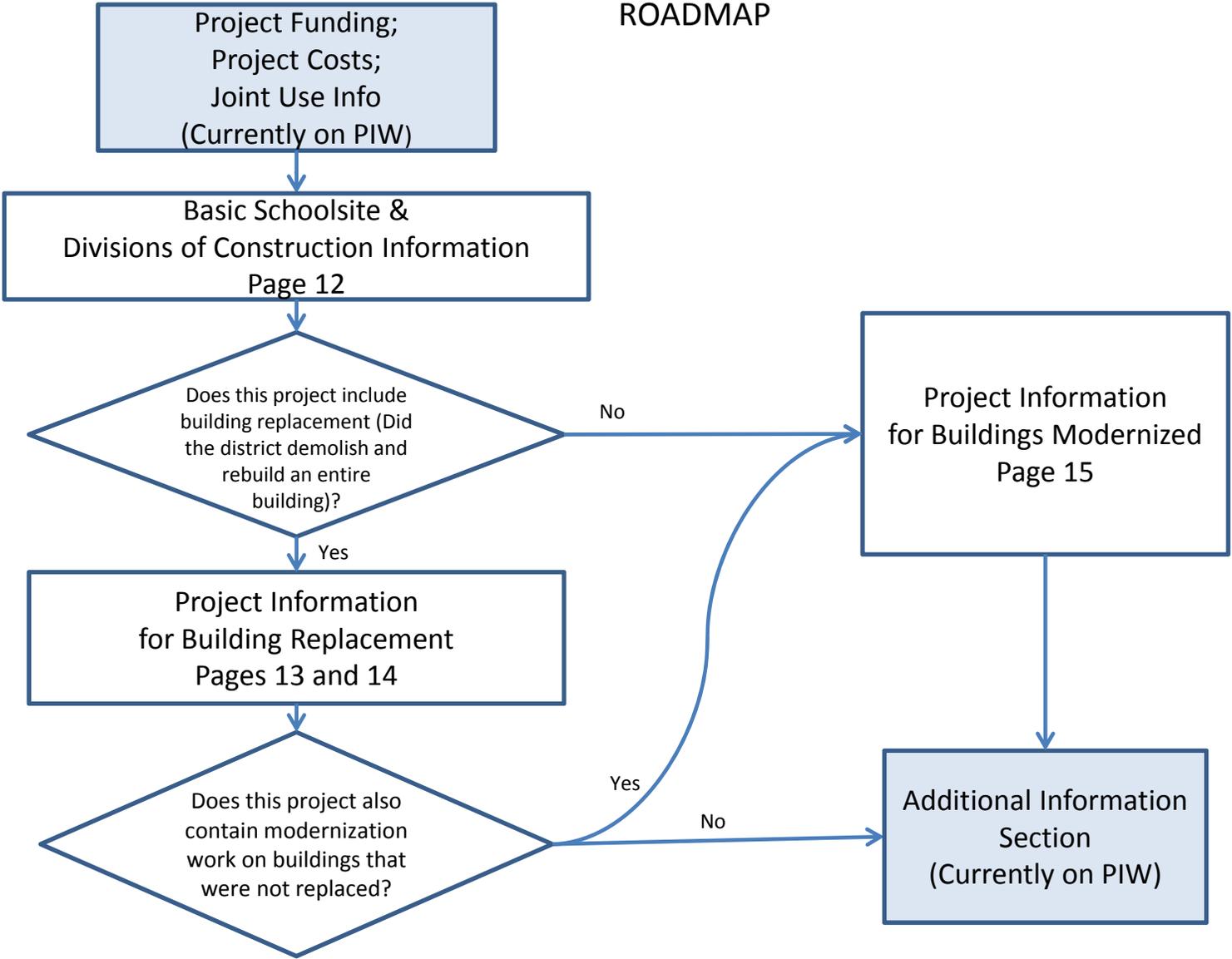
1. Energy Savings:..... \$ _____ ESTIMATE ACTUAL

Description of Energy Savings _____

2. Student Achievement _____

3. Other Benefits realized _____

ATTACHMENT C
PIW for Modernization Projects
Project Information Section
ROADMAP



ATTACHMENT C
Basic Schoolsite and Type of Work Information

1. Type of School (check one):

<input type="checkbox"/> Elementary	<input type="checkbox"/> K-8
<input type="checkbox"/> Middle	<input type="checkbox"/> K-12
<input type="checkbox"/> High	<input type="checkbox"/> Other (please specify): _____



2. How many students attend the school?



3. Estimated cost of work related for current Americans with Disabilities Act requirements:
\$ _____



4. Divisions of Construction (including any costs entered in Question 3) (check all that apply):

<input type="checkbox"/> General Requirements \$ _____	<input type="checkbox"/> Finishes \$ _____
<input type="checkbox"/> Site Construction \$ _____	<input type="checkbox"/> Specialties \$ _____
<input type="checkbox"/> Concrete \$ _____	<input type="checkbox"/> Equipment \$ _____
<input type="checkbox"/> Masonry \$ _____	<input type="checkbox"/> Furnishings \$ _____
<input type="checkbox"/> Metals \$ _____	<input type="checkbox"/> Special Construction \$ _____
<input type="checkbox"/> Wood and Plastics \$ _____	<input type="checkbox"/> Conveying Systems \$ _____
<input type="checkbox"/> Thermal and Moisture Protection \$ _____	<input type="checkbox"/> Mechanical \$ _____
<input type="checkbox"/> Doors and Windows \$ _____	<input type="checkbox"/> Electrical \$ _____

ATTACHMENT C
Building Replacement
Building that was Replaced

The flowchart consists of eight numbered boxes connected by arrows. Box 1 is at the top left. An arrow points down to Box 2. From Box 2, an arrow points down to Box 3. From Box 3, an arrow points right to Box 4. From Box 4, an arrow points down to Box 5. From Box 5, an arrow points down to Box 6. From Box 6, an arrow points down to Box 7. From Box 7, an arrow points right to Box 8. From Box 8, an arrow points down to a final blue box at the bottom right.

1. What was the name of the building that was replaced?
(Examples: "C-101," "Elm," or "Gym")

2. What was the building used for (check all that apply)?

- Administration
- Cafeteria
- Classrooms
- Gymnasium
- Kitchen
- Library
- Multipurpose Room
- Performing Arts
- Restrooms
- Other (please specify): ___

3. How many classrooms were in the building?

4. What was the construction type (check all that apply)?

- Portable
- Modular
- Masonry
- Steel
- Wood
- Other: _____

5. How many stories was the building?

6. What was the original year that the building was built?

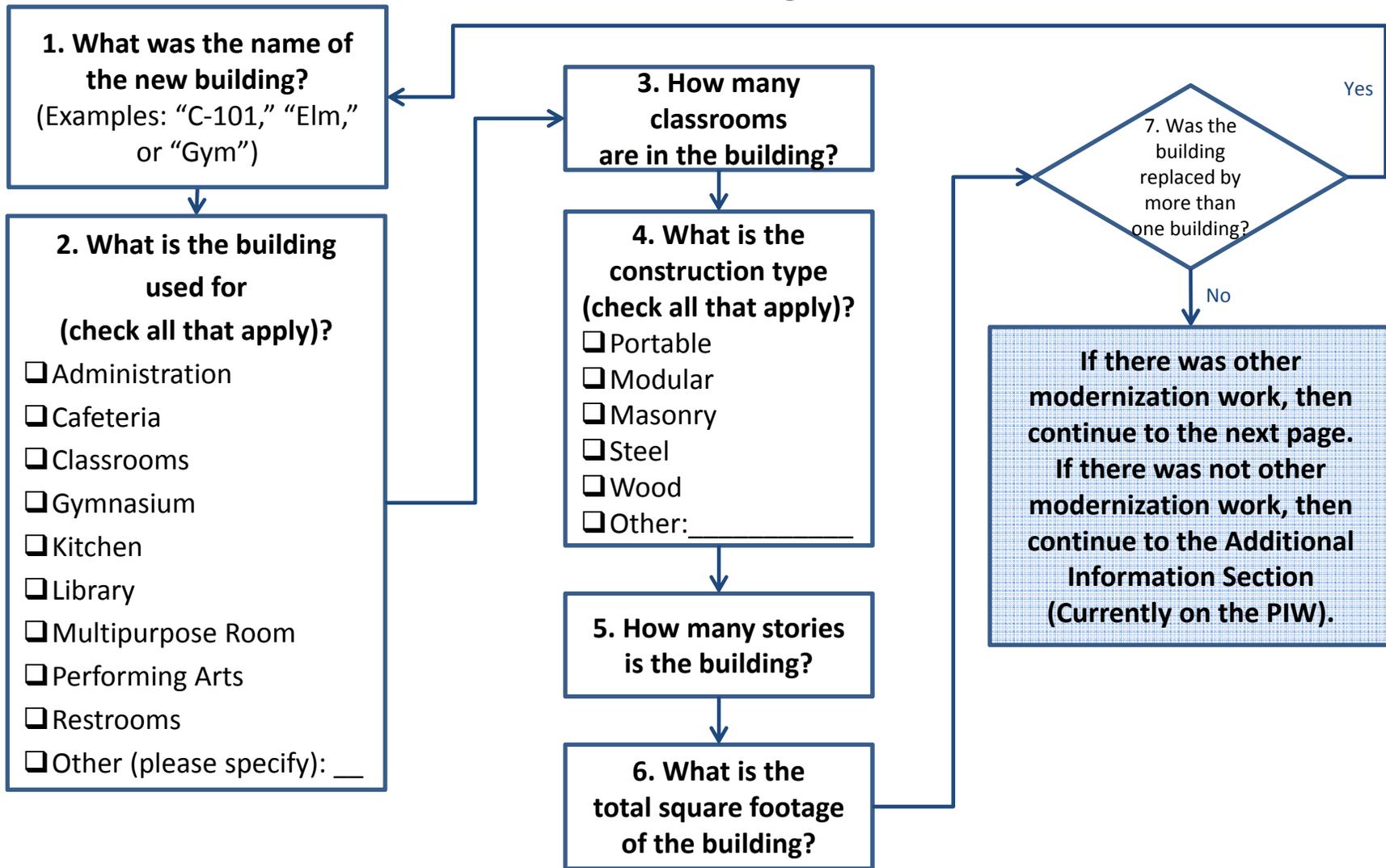
7. What was the total square footage of the building?

8. Why was the building replaced? (check one – the primary reason)

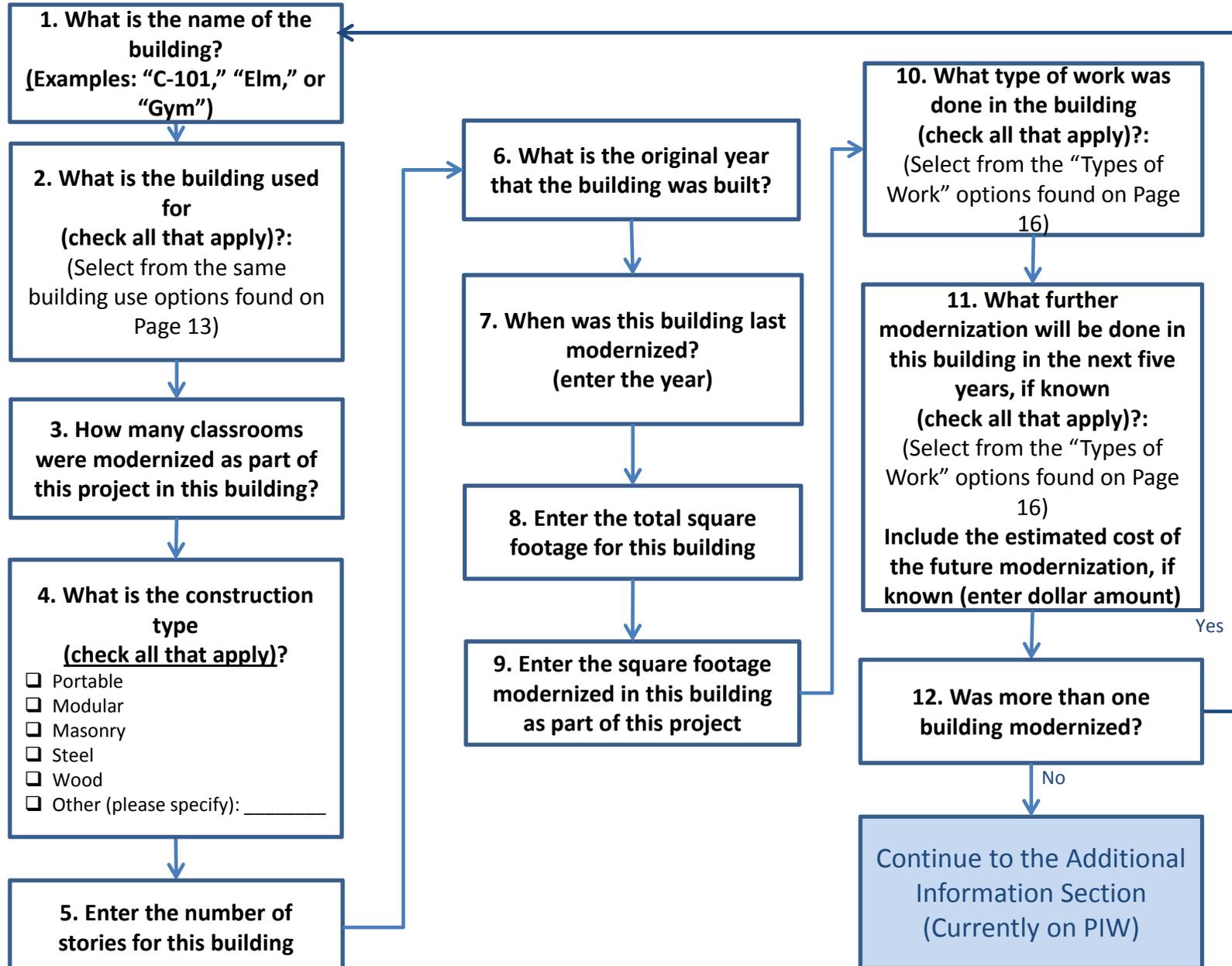
- Hazardous Materials Abatement
- Portable Demolition/Removal and Replacement
- Site Reconfiguration
- Building Replacement Was Cost Effective
- Age
- Educational Need
- Other (please specify): _____

Continue to the next page to enter information about the new building.

ATTACHMENT C
Building Replacement
New Building



ATTACHMENT C
Building Modernized



ATTACHMENT C
Types of Work

- Site Infrastructure
- Hazardous Materials Abatement
- Sitework
- ADA Compliance
- Structural/Seismic Upgrades
- Roofing
- Building Replacement
- Building Exterior (Wall Systems, Windows, Doors)
- Building Interior (Wall Systems, Flooring, Casework)
- HVAC
- Plumbing
- Electrical
- Other (please specify):_____

ATTACHMENT D

CSI Codes- Construction Products & Activities

<p>00000 Contracting Requirements</p> <p>00500 Agreement 00600 Bonds & Certificates 00700 General Conditions 00800 Supplementary Conditions 00900 Modifications</p> <p>01000- Division 1 — General Requiremts</p> <p>01100 Summary 01200 Price & Payment Procedures 01300 Administrative Requiremts 01400 Quality Requiremts. 01500 Temporary Facilities & Controls 01600 Product Requiremts 01700 Execution Requiremts 01800 Facility Operation 01900 Facility Decommissioning</p> <p>02000 Division 2 — Site Construction</p> <p>02050 Basic Site Materials & Methods 02100 Site Remediation 02200 Site Preparation 02300 Earthwork 02400 Tunneling, Boring, & Jacking 02450 Foundation & Load-bearing Elements 02500 Utility Services 02600 Drainage & Containment 02700 Bases, Ballasts, Pavemts, & Appurtenances 02800 Site Improvements & Amenities 02900 Planting 02950 Site Restoration & Rehabilitation</p> <p>03000- Division 3 — Concrete</p> <p>03050 Basic Materials & Methods 03100 Concrete Forms & Accessories 03200 Concrete Reinforcement 03300 Cast-in-Place Concrete 03400 Precast Concrete 03500 Cementitious Decks & Underlayment 03600 Grouts 03700 Mass Concrete 03900 Concrete Restoration & Cleaning</p>	<p>04000 Division 4 — Masonry</p> <p>04050 Basic Materials & Methods 04200 Masonry Units 04400 Stone 04500 Refractories 04600 Corrosion-Resistant Masonry 04700 Simulated Masonry 04800 Masonry Assemblies 04900 Masonry Restoration & Cleaning</p> <p>05000- Division 5 — Metals</p> <p>05050 Basic Metal Materials & Methods 05100 Structural Metal Framing 05200 Metal Joists 05300 Metal Deck 05400 Cold-Formed Metal Framing 05500 Metal Fabrications 05600 Hydraulic Fabrications 05650 Railroad Track & Accessories 05700 Ornamental Metal 05800 Expansion Control 05900 Metal Restoration & Cleaning</p> <p>06000- Division 6 — Wood & Plastics</p> <p>06050 Basic Materials & Methods 06100 Rough Carpentry 06200 Finish Carpentry 06400 Architectural Woodwork 06500 Structural Plastics 06600 Plastic Fabrications 06900 Wood & Plastic Restoration & Cleaning</p> <p>07000- Division 7 — Thermal & Moisture Protection-</p> <p>07050 Basic Thermal & Moisture Protection Materials & Methods 07100 Dampproofing & Waterproofing 07200 Thermal Protection 07300 Shingles, Roof Tiles, & Roof Coverings 07400 Roofing & Siding Panels 07500 Membrane Roofing 07600 Flashing & Sheet Metal 07700 Roof Specialties & Accessories 07800 Fire & Smoke Protection</p>	<p>07900 Joint Sealers</p> <p>08000- Division 8 — Doors & Windows</p> <p>08050 Basic Door & Window Materials & Methods 08100 Metal Doors & Frames 08200 Wood & Plastic Doors 08300 Specialty Doors 08400 Entrances & Storefronts 08500 Windows 08600 Skylights 08700 Hardware 08800 Glazing 08900 Glazed Curtain Wall</p> <p>09000- Division 9 — Finishes</p> <p>09050 Basic Finish Materials & Methods 09100 Metal Support Assemblies 09200 Plaster Gypsum Board 09300 Tile 09400 Terrazzo 09500 Ceilings 09600 Flooring 09700 Wall Finishes 09800 Acoustical Treatment 09900 Paints & Coatings</p> <p>10000- Division 10— Specialties-</p> <p>10100 Visual Display Boards 10150 Compartments & Cubicles 10200 Louvers & Vents 10240 Grilles & Screens 10250 Service Walls 10260 Wall & Corner Guards 10270 Access Flooring 10290 Pest Control 10300 Fireplaces & Stoves 10340 Manufactured Exterior Specialties 10350 Flagpoles 10400 Identification Devices 10450 Pedestrian Control Devices 10500 Lockers 10520 Fire Protection Specialties 10530 Protective Covers 10550 Postal Specialties 10600 Partitions 10670 Storage Shelving 10700 Exterior Protection</p>
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ATTACHMENT D

CSI Codes- Construction Products & Activities (continued)

<p>10750 Telephone Specialties 10800 Toilet, Bath, & Laundry Accessories 10880 Scales 10900 Wardrobe & Closet Specialties</p> <p>11000- Division 11 — Equipment</p> <p>11010 Maintenance Equipmt 11020 Security & Vault Equipmt 11030 Teller & Service Equipmt 11040 Ecclesiastical Equipmt 11050 Library Equipmt 11060 Theater & Stage Equipmt 11070 Instrumental Equipmt 11080 Registration Equipmt 11090 Checkroom Equipmt 11100 Mercantile Equipmt 11110 Commercial Laundry & Dry Cleaning Equipmt 11120 Vending Equipmt 11130 Audio-Visual Equipmt 11140 Vehicle Service Equipmt 11150 Parking Control Equipmt 11160 Loading Dock Equipmt 11170 Solid Waste Handling Equipmt 11190 Detention Equipmt 11200 Water Supply & Treatment Equipmt 11280 Hydraulic Gates & Valves 11300 Fluid Waste Treatment & Disposal Equipmt 11400 Food Service Equipmt 11450 Residential Equipmt 11460 Unit Kitchens 11470 Darkroom Equipmt 11480 Athletic, Recreational, & Therapeutic Equipmt 11500 Industrial & Process Equipmt 11600 Laboratory Equipmt 11650 Planetarium Equipmt 11660 Observatory Equipmt 11680 Office Equipmt 11700 Medical Equipmt 11780 Mortuary Equipmt 11850 Navigation Equipmt 11870 Agricultural Equipmt 11900 Exhibit Equipmt</p>	<p>12000- Division 12 — Furnishings</p> <p>12050 Fabrics 12100 Art 12300 Manufactured Casework 12400 Furnishings & Accessories 12500 Furniture 12600 Multiple Seating 12700 Systems Furniture 12800 Interior Plants & Planters 12900 Furnishings Repair & Restoration</p> <p>13000- Division 13 — Special Construction</p> <p>13010 Air-Supported Structures 13020 Building Modules 13030 Special Purpose Rooms 13080 Sound, Vibration, & Seismic Control 13090 Radiation Protection 13100 Lightning Protection 13110 Cathodic Protection 13120 Pre-Engineered Structures 13150 Swimming Pools 13160 Aquariums 13165 Aquatic Park Facilities 13170 Tubs & Pools 13175 Ice Rinks 13185 Kennels & Animal Shelters 13190 Site-Constructed Incinerators 13200 Storage Tanks 13220 Filter Underdrains & Media 13230 Digester Covers & Appurtenances 13240 Oxygenation Systems 13260 Sludge Conditioning Systems 13280 Hazardous Material Remediation 13400 Measurement & Control Instrumentation 13500 Recording Instrumentation 13550 Transportation Control Instrumentation 13600 Solar & Wind Energy Equipmt 13700 Security Access & Surveillance 13800 Building Automation & Control 13850 Detection & Alarm 13900 Fire Suppression</p>	<p>14000- Division 14 — Conveying Systems</p> <p>14100 Dumbwaiters 14200 Elevators 14300 Escalators & Moving Walks 14400 Lifts 14500 Material Handling 14600 Hoists & Cranes 14700 Turntables 14800 Scaffolding 14900 Transportation</p> <p>15000- Division 15 — Mechanical</p> <p>15050 Basic Mechanical Materials & Methods 15100 Building Services Piping 15200 Process Piping 15300 Fire Protection Piping 15400 Plumbing Fixtures & Equipmt 15500 Heat-Generation Equipmt 15600 Refrigeration Equipmt 15700 Heating, Ventilating, & Air Conditioning Equipmt 15800 Air Distribution 15900 HVAC Instrumentation & Controls 15950 Testing, Adjusting, & Balancing</p> <p>16000- Division 16 — Electrical</p> <p>16050 Basic Electrical Materials & Methods 16100 Wiring Methods 16200 Electrical Power 16300 Transmission & Distribution 16400 Low-Voltage Distribution 16500 Lighting 16700 Communications 16800 Sound & Video</p>
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