ABSTRACT
 Fifty-seven references to documents received and processed to date by ERIC/CMF concerned with cost implications of educational facilities at the elementary and secondary levels are included in this interpretive bibliography. The references are classified according to content within the following categories-- (1) Economies in School Construction, (2) School Bond Elections, (3) Renovating and Remodeling, (4) Construction Programs in Specific Areas, (5) Design Methodologies and Construction Procedures, (6) Urban School Construction, and (7) Federal and State Aid. Each reference is indexed and abstracted and the procurement source for each document is supplied. (NT)
COST FACTORS IN THE PLANNING, DESIGN, FINANCING, AND CONSTRUCTION OF ELEMENTARY AND SECONDARY EDUCATIONAL FACILITIES

An Interpretive Bibliography
COST FACTORS IN THE PLANNING, DESIGN, FINANCING, AND CONSTRUCTION OF ELEMENTARY AND SECONDARY EDUCATIONAL FACILITIES

Prepared By
Norman P. Isler
Subject Area Coordinator

The work presented herein was performed pursuant to a contract with the U.S. Office of Education, Department of Health, Education, and Welfare (OEC-1-7-070883-5095)

ERIC Clearinghouse on Educational Facilities
The University of Wisconsin
Madison, Wisconsin
February, 1970
COST FACTORS IN THE PLANNING, DESIGN, FINANCING, AND CONSTRUCTION
OF ELEMENTARY AND SECONDARY EDUCATIONAL FACILITIES

Economies in School Construction

Comprising this first section are fourteen references to documents which specifically deal with effecting economies in school building construction. Design, flexibility, prefabrication, construction methods, and contracting are included in the various references as they pertain to the cutting of costs.

School Bond Elections

School bond elections and the marketing of bonds once the borrowing has been approved by the electorate are the subjects of the eleven references. Included are discussions of bond election promotion techniques, legal implications, and interest rates.

Renovating and Remodeling

The cost implications of renovating and/or remodeling school plants as opposed to the construction of new facilities are discussed in these four references. One document refers in particular to the refurbishing of non-educational buildings for use as schools.

Construction Programs in Specific Areas

Cost considerations in school construction programs have been reported from various areas in the U.S. and Canada. Included here are reports from Mississippi, Kentucky, Delaware, and Alberta, concerned with the financing of school construction in those areas.

Design Methodologies and Construction Procedures

Various design methodologies and construction procedures having a direct bearing on costs are the subjects of ten references. Critical Path Method, Component Building Systems, and a campus plan for an elementary school are among those reported upon.

Urban School Construction

The problem of school construction in urban areas and its effect on costs is discussed through cost models and systems analysis.
Federal and State Aid

Ten references which deal with federal aid and state aid toward construction of educational facilities are presented.
FOREWORD

The Educational Resources Information Center - Clearinghouse on Educational Facilities (ERIC/CEF) is a clearinghouse for information about sites, buildings, and equipment used for educational purposes. ERIC/CEF is part of a national network of 19 clearinghouses, each covering a different field of educational research. Information from all these clearinghouses is reported monthly in Research in Education (RIE), a publication of the U.S. Government Printing Office (annual subscription: domestic $21.00, foreign $26.25).

Since January, 1968 approximately 1,100 documents have been submitted by ERIC/CEF for inclusion in RIE. In addition, approximately 3,700 documents have been accumulated in a local collection which serves more specialized interests. While the clearinghouse collection does include textbooks, dissertations, and journal articles, the prime mission of ERIC/CEF is to locate and report on documents that are not well known nor widely distributed.

In performing subject searches in RIE, researchers should correlated its use with the Thesaurus of ERIC Descriptors. Descriptors are technically meaningful terms or short phrases that are used to characterize a document and which may also be used as index entries. The descriptors used to generate this particular bibliography were:

- Accounting
- Bond Issues
- Budgeting
- Capital Outlay (For Fixed Assets)
- Construction Costs
- Contracts
- Cost Effectiveness
- Costs
- Credit (Finance)
- Economic Factors
- Educational Finance
- Federal Aid
- Financial Needs
- Financial Policy
- Financial Problems
- Financial Services
- Financial Support
- Insurance Programs
- Interest
- Money Management
- School District Spending
- School Finance
- State Aid
- State Federal Support

All documents in the ERIC/CEF collection, which had been indexed using one or more of the aforementioned descriptors, were initial candidates for the bibliography. These documents were screened for applicability and quality and then organized into sections according to content.

The references contained herein do not represent an exhaustive compilation of publications on the subject. However, many of the documents are not widely circulated; and the bibliography serves to disseminate this information.

February, 1970

Howard E. Wakefield
Director
HOW TO OBTAIN DOCUMENTS

Information regarding the procurement of documents cited in this bibliography is provided at the bottom of each page. The documents are obtainable in either of two ways:

(1) If the document has been reported in RIE, reproductions may usually be purchased from EDRS (ERIC Document Reproduction Service) either on microfiche or hard copy. The ERIC identification number for the document (ED number) is provided along with the prices -- MF for microfiche and HC for hard copy. When ordering from EDRS, the following information should be provided:

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Note: Payment must accompany orders totaling less than $5. Add a handling charge of 50 cents to all orders except full document collections. EDRS is registered to collect sales taxes. Orders from states which have sales tax laws should include payment of the appropriate tax or a tax exemption certificate. Foreign orders: A 25 percent service charge, calculated to the nearest cent, must accompany orders from outside the United States, its territories, and possessions. This service charge is applicable to orders for microfiche and hard copy.

(2) If the document has not been reported in RIE, it may be secured directly from the source given.
ECONOMIES IN SCHOOL CONSTRUCTION
ECONOMIES IN SCHOOL CONSTRUCTION

INTERSTATE SCHOOL BUILDING SERVICE, NASHVILLE, TENNESSEE

PUBLISHED-

047 PAGES

DESCRIPTORS- *EDUCATIONAL PLANNING, *CONSTRUCTION COSTS, *SCHOOL CONSTRUCTION, SCHOOL PLANNING, SCHOOL LOCATION, SCHOOL DESIGN, BUILDING DESIGN, EDUCATIONAL FINANCE

THE PURPOSE OF THIS BULLETIN IS TO ASSIST DECISION-MAKERS IN THE DECISIONS AND CHOICES WHICH MUST BE MADE AND WHICH INFLUENCE THE COST OF A BUILDING PROJECT.

Availability;

Interstate School Building Service
George Peabody College for Teachers
Nashville, Tennessee
258 WAYS TO SAVE MONEY IN PLANNING AND CONSTRUCTION SCHOOLS
BUILDINGS

BY- DULES, HAKOLOD W.
WESTERN MICHIGAN UNIVERSITY, KALAMAZOO, SCHOOL OF GRADUATE STUDIES

PUBLISHED- 63
IN- SERIES VII, NO. 1

026 PAGES

DESCRIPTIONS- *COSTS, *CONSTRUCTION COSTS, *SCHOOL PLANNING,
PLANNING

THIS BOOKLET PRESENTS A COMPREHENSIVE LIST OF ECONOMY FACTORS, MOST OF
WHICH ARE UNIVERSALLY APPLICABLE. THESE FACTORS WERE DETERMINED BY
QUESTIONNAIRES PERTAINING TO 86 SCHOOL PLANTS CONSTRUCTED IN 1955.

Availability;

Campus Stores
Western Michigan University
Kalamazoo, Michigan
STRUCTURAL CONSIDERATIONS IN SCHOOL BUILDING ECONOMY

CONNECTICUT STATE DEPARTMENT OF EDUCATION, HARTFORD

PUBLISHED-JUN63

IN SCHOOL BUILDING ECONOMY SERIES NO. 5

33 PAGES

DESCRIPTIONS- *ARCHITECTURAL ELEMENTS, *CONSTRUCTION COSTS, *CONSTRUCTION NEEDS, *SCHOOL CONSTRUCTION, BUILDING DESIGN, BUILDING EQUIPMENT, PREFABRICATION, SCHOOL ARCHITECTURE, SCHOOL BUILDINGS

ALL SCHOOL BUILDINGS ARE BASICALLY SHELTER STRUCTURES. THEIR ELEMENTARY COMPONENTS ARE (1) STRUCTURAL MEMBERS, (2) WEATHER PROTECTION ELEMENTS, (3) MECHANICAL INSTALLATIONS, (4) FINISHING ELEMENTS, AND (5) BUILT-IN EQUIPMENT. THE CHOICE OF BUILDING SYSTEMS IS DEPENDENT ON (1) SUBSOIL CONDITIONS, (2) SITE CONTOURS, AND (3) CLIMATIC CONDITIONS. SEVERAL STRUCTURAL SYSTEMS ARE ANALYZED IN TERMS OF THESE CRITERIA. WEATHER PROTECTION ELEMENTS SUCH AS (1) ROOFING, (2) FLASHING, (3) SIDING, (4) WATERPROOFING, (5) INSULATION, (6) OVERHANGS AND SUNSHADES, (7) CIRCULATION CHARACTERISTICS, (8) AIR AND LIGHT PASSAGE, (9) ACOUSTICAL CORRECTION, AND (10) AESTHETIC IMPROVEMENT ARE DISCUSSED IN TERMS OF SCHOOL CONSTRUCTION. THE ASPECTS OF FIRE-RESISTIVITY MENTIONED ARE (1) SAFETY, (2) BUILDING RATING, AND (3) LOCAL ORDINANCES. MISCELLANEOUS ARCHITECTURAL CONSIDERATIONS ARE LISTED ALONG WITH RECOMMENDATIONS FOR THE ADOPTION OF A MODULAR SYSTEM OF DIMENSIONS. (MH)

Order from EDRS as: ED 15616

MF $0.25 HC $1.75
TOWARDS AN ECONOMICAL FLEXIBILITY

BY RICHARDSON, L. S. AND CAUDILL, WILLIAM W.
CAUDILL, ROWLETT, SCOTT AND ASSOCIATES ARCHITECTS-ENGINEERS
BRYAN, TEXAS

IN RESEARCH REPORT, 3

00 PAGES


AN ARCHITECT AND A SUPERINTENDENT OF SCHOOLS COLLABORATED ON THE DESIGN FOR A HIGH SCHOOL WHICH STRESSED ECONOMY AND FLEXIBILITY. THEY CONSIDERED THREE ASPECTS OF FLEXIBILITY--(1) EXPANDABILITY, (2) CONVERTIBILITY, AND (3) VERSATILITY. EXPANDABILITY IS DISCUSSED IN TERMS OF SITE SELECTION AND PLANNING. CONVERTIBILITY FEATURES IDENTIFIED INCLUDE MOVABLE SPACE DIVIDERS, EITHER STORAGE UNITS OR TEACHING PANELS, WHICH COULD BE REARRANGED FOR DIFFERENT INSTRUCTION LAYOUTS. VERSATILITY IS INCLUDED IN THE AUDITORIUM DESIGN WHICH INCORPORATES THE BAND ROOM AND ASSEMBLY ROOM, AND USING FOLDING PARTITIONS, PERMITS A NUMBER OF STAGE AND SEATING CONFIGURATIONS. THE AUDITORIUM ALSO FEATURES A CIRCULAR DOMED CONSTRUCTION WHICH HAS ACOUSTIC, ECONOMIC, AND STRUCTURAL ADVANTAGES. SPECIFIC ATTENTION IS GIVEN TO (1) STORAGE LIGHTING, (2) AUDITORIUM SEATING, (3) DOORLESS CLASSROOMS, AND (4) UTILITIES FLEXIBILITY.
COMPACT SCHOOL AND $S SAVING$ 

BY- BAIR, W. G. 
AMERICAN SCHOOL BOARD JOURNAL, MILWAUKEE, WISCONSIN 

PUBLISHED-MAY 66 
IN- AMERICAN SCHOOL BOARD JOURNAL, MAY 66, PP. 32-33 

002 PAGES 

DESCRIPTIONS- *AIR CONDITIONING, *COSTS, *FUEL CONSUMPTION, 
*HEATING, *TEMPERATURE 

A REVIEW OF THE CRITERIA FOR CONSIDERING THE USE OF A TOTAL 
ENERGY SYSTEM WITHIN A SCHOOL BUILDING STATES THE WINDOWLESS, 
COMPACT SCHOOL OFFERS MORE EFFICIENT SPACE UTILIZATION WITH LESS 
AREA REQUIRED FOR GIVEN STUDENT POPULATION AND LOWER OPERATION 
COSTS. THE AUTHOR RECOMMENDS THAT THESE BUILDINGS BE WINDOWLESS 
TO REDUCE HEAT COSTS, HOWEVER, AT THE SAME TIME IT IS POINTED OUT 
THAT WINDOWLESS STRUCTURES REQUIRE INCREASED LIGHTING LEVELS, AIR 
CONDITIONING AND AIR TREATMENT. IT IS RECOMMENDED AT THIS POINT 
THAT SCHOOL PLANNERS SHOULD SEEK THE ADVICE OF A CONSULTANT 
ENGINEER TO ASSESS THE FEASIBILITY OF INSTALLING A TOTAL ENERGY 
UNIT. ANNUAL COSTS OF COMMERCIAL ENERGY SHOULD BE COMPARED WITH 
OPERATING AND MAINTENANCE OF THE TOTAL ENERGY SYSTEM. SHOULD THE 
PLANNERS FAVOR THE TOTAL ENERGY UNIT, THEY SHOULD ALSO CONSIDER 
THE PURCHASE OF BACK-UP UNITS TO OPERATE IN THE EVENT OF A POWER 
FAILURE OF THE PRIMARY UNIT. THIS ARTICLE APPEARED IN THE MAY, 
1966 ISSUE OF AMERICAN SCHOOL BOARD JOURNAL. COPIES MAY BE 
OBTAINED FORM THE EDITOR, BRUCE PUBLISHING CO., 400 N. BROADWAY, 
MILWAUKEE, WISCONSIN 53211. (GM)
A REVIEW OF STUDIES OF ECONOMIES IN SCHOOLHOUSE CONSTRUCTION

BY- DUHERTY, LEO D. AND WHEATLEY, ARTRELLE
STATE UNIVERSITY OF NEW YORK, ALBANY, NEW YORK

PUBLISHED-MAY 60

30 PAGES

DESCRIPTORS- CONSTRUCTION COSTS, EDUCATIONAL FINANCE, EDUCATIONAL PLANNING, SCHOOL CONSTRUCTION, SCHOOL PLANNING, COMPONENT BUILDING SYSTEMS, MAINTENANCE, PREFABRICATION, SCHOOL DESIGN, SITE DEVELOPMENT, SCHOOL LOCATION, SCHOOL MAINTENANCE

ECONOMIES IN PLANNING AND DESIGNING BEGIN WITH THE WISE CHOICE OF AN ARCHITECT. COMPLETE INFORMATION ON BUILDINGS NEEDS, ENROLLMENT PROJECTIONS, AND PROGRAM MUST BE AVAILABLE. INCLUSION OF MULTIPLE-USE ROOMS, MINIMAL PERIMETER WALLS, LOWERED CEILINGS, MINIMAL WASTE SPACE, MINIMAL USE OF GLASS, AND USE OF STOCK PLANS ARE CONCEPTS WHICH CAN EFFECT ECONOMIES. FURTHER ECONOMIES CAN BE EFFECTED BY CAREFUL SITE SELECTION, DEVELOPMENT, AND UTILIZATION. PREFABRICATED SCHOOLS AND MODULAR DESIGN ARE NEWER CONCEPTS SUGGESTED AS EFFICIENT USES OF MATERIALS. LOW COST MAINTENANCE CONSTRUCTION CAN SAVE MUCH MONEY. USE OF TEMPORARY BUILDINGS SHOULD BE AVOIDED. CAREFUL FINANCING OF BUILDING PROJECTS WILL HELP REDUCE COSTS ESPECIALLY IF PROPER TIMING IS INTEGRATED. TIMING IS ESSENTIAL TO THE ENTIRE CONSTRUCTION PROGRAM. A BIBLIOGRAPHY IS INCLUDED. (RH)
25 SIGNIFICANT ECONOMIES IN NEW SCHOOL BUILDINGS

BY- BOLES, HAROLD W.

PUBLISHED-JAN64
IN- AMERICAN SCHOOL BOARD JOURNAL, JANUARY, 1964

002 PAGES

DESCRIPTORS- *CONSTRUCTION COSTS, *EDUCATIONAL FINANCE,
*FINANCIAL POLICY, *SCHOOL PLANNING, BUDGETING, BUDGETS,
CONTRACTS, EDUCATIONAL SPECIFICATIONS, EQUIPMENT, SCHOOL
BUILDINGS, SCHOOL DESIGN

A CHECKLIST OF WAYS TO ACHIEVE ECONOMY IN SCHOOL PLANT CONSTRUCTION. SOME OF THE FACTORS TO BE CONSIDERED INCLUDE: (1) BIDS, (2) DRAWINGS AND SPECIFICATIONS, (3) ELIMINATION OF AREAS, (4) SELECTION OF ARCHITECT, (5) EQUIPMENT, AND (6) PLAN FOR MULTIUSE.

Availability:

Bruce Publishing Co.
400 N. Broadway
Milwaukee, Wisconsin
VIRGINIANS STAY WITH LOW-COST SCHOOL PLAN

PUBLISHED-JAN'64
IN- NATIONS SCHOOLS, VOL. 73, NO. 1, JANUARY, 1964

0C3 PAGES

DESCRIPTORS- *BUILDING INNOVATION, *CONSTRUCTION COSTS, *SCHOOL CONSTRUCTION

AT LEAST $50,000 IS SAVED EVERY TIME A TWIN-CIRCLE SCHOOL IS BUILT IN PRINCE WILLIAM COUNTY, VIRGINIA. THE LOCH LOMOND SCHOOL IS COMPRISED OF TWO ROUND CLASSROOM BUILDINGS THAT ARE CONNECTED BY A 'CORRIDOR' LEADING TO CENTRAL COMMON USE AREAS.

Availability:
The Nation's Schools
1050 Merchandise Mart
Chicago, Illinois 60654
SEVEN STEPS CUT SCHOOL BUILDING COSTS

A STRONG CONSTRUCTION SAFETY PROGRAM CAN SAVE THOUSANDS OF DOLLARS FOR A SCHOOL DISTRICT ENGAGED IN A BUILDING PROGRAM. THE LESS INSURANCE MONEY THE CONTRACTOR MUST FIGURE INTO HIS PAYROLL, THE LOWER HE CAN BID.
DESIGNING THE SCHOOL PLANT FOR ECONOMY (SCHOOL BUILDING ECONOMY SERIES—NO. 4)

CONNECTICUT STATE DEPARTMENT OF EDUCATION, HARTFORD

PUBLISHED-JUN61

111 PAGES

DESCRIPTORS—SIGN NEEDS, SPACE UTILIZATION

TOPICS OF ECONOMICAL DESIGNING AND PLANNING ARE EXAMINED IN BOTH GENERAL AND SPECIFIC TERMS. DIAGRAMS AND PHOTOGRAPHS ILLUSTRATE GENERAL CONDITIONS AND PRINCIPLES WHILE THE TEXT OUTLINES CRITERIA AND PROVIDES SPECIFIC SUGGESTIONS. SUBJECTS COVERED INCLUDE--(1) BUILDING DESIGN FUNDAMENTALS, (2) COST COMPARISONS, (3) EFFICIENT DESIGN, (4) BASIC PLAN SCHEMES, (5) ENVIRONMENTAL CONTROL FACTORS, (6) ELEMENT PLANNING, (7) SITE ACCOMMODATION, (8) EXPANSION FACILITATION, (9) TREND DEVELOPMENT, AND (10) STATE AND LOCAL CODES. A BIBLIOGRAPHY IS INCLUDED. (MH)
ECONOMIES FROM A TO Z IN PLANNING AND BUILDING SCHOOLS. ECONOMY HANDBOOK

NEW YORK STATE COMMISSION ON SCHOOL BUILDINGS, ALBANY

PUBLISHED-NOV53

AVAILABLE FROM- NEW YORK STATE COMMISSION ON SCHOOL BUILDINGS, ALBANY, N. Y.

051 PAGES

DESCRIPTORS- *CAPITAL OUTLAY (FOR FIXED ASSETS), *CHECK LISTS, *CONSTRUCTION COSTS, *ECONOMIC FACTORS, *SCHOOL CONSTRUCTION, CONSTRUCTION PROGRAMS, EDUCATIONAL FINANCE, FACILITY EXPANSION, SCHOOL PLANNING, SITE SELECTION

PRESENTED IN THIS HANDBOOK ARE GENERAL DESCRIPTIONS AND CHECK LISTS OF ECONOMIES PERTAINING TO THE FOLLOWING ASPECTS OF SCHOOLHOUSE CONSTRUCTION--(1) SELECTING THE ARCHITECT, (2) SITE SELECTION, (3) EDUCATIONAL AND ARCHITECTURAL PLANNING, (4) CONSTRUCTION DETAILS, AND (5) CONTRACTING THE WORK. THE ECONOMIES ARE INTENDED FOR IMPLEMENTATION IN A WISE AND CAREFULLY MANAGED EXPENDITURE OF SCHOOL FUNDS IN PROVIDING FACILITIES WHICH ARE ADEQUATE IN TERMS OF THE NEEDS OF THE EDUCATIONAL PROGRAM AT THE MOST REASONABLE COST. PICTURES AND DRAWINGS SUPPLEMENT THE DESCRIPTIONS. (FS)////

Availability:

New York State Commission on School Buildings
Albany, New York
How Parma Built a Space-Age School and Saved a Million Dollars

Published: Sep 62


007 Pages


A description is given of the cost cutting features, which were implemented in the design and construction of a high school in Parma Heights, Ohio. Consideration is given to savings effected through functional design, providing for the multiple use of many areas, and by the use of large quantities of standard materials, with a corresponding reduction in the amount of custom and special materials utilized. It is emphasized that the economies were realized without cutting the quality of the educational program. Included are photographs, which exemplify the cost saving features. [FS]//

Availability:

McGraw-Hill Publications
Circulation Department
1050 Merchandise Mart
Chicago, Illinois 60654
NORTHVILLE BUILDS ELEMENTARY SCHOOL FOR $7.00 PER SQUARE FOOT CONSTRUCTION COST. ST. PAUL LUTHERAN CHURCH CEMENTS SOME SAVING.

PUBLISHED-MAR60
IN- MICHIGAN ASSOCIATION OF SCHOOL BOARDS JOURNAL, P 11-12 MAR 1960

AVAILABLE FROM- MICHIGAN ASSOCIATION OF SCHOOL BOARDS, 450 ERICKSON HALL, MICHIGAN STATE UNIVERSITY EAST LANSING, MICHIGAN 48823

002 PAGES


VARIOUS COST-CUTTING PROCEDURES, WHICH WERE IMPLEMENTED IN THE CONSTRUCTION OF THE NORTHLVILLE, MICHIGAN ELEMENTARY SCHOOL, ARE DESCRIBED. CONSIDERATION IS GIVEN TO FACILITY AND EQUIPMENT DESIGN FEATURES TOWARD WHICH ECONOMIZING EFFORTS WERE DIRECTED. PHOTOGRAPHS OF SOME OF THE DESIGN FEATURES REFERRED TO, ARE INCLUDED. (FS)
LONG RANGE PLANNING AND EDUCATIONAL SPECIFICATIONS FOR SCHOOL BUILDING ECONOMY

CONNECTICUT STATE DEPT. OF EDUCATION, HARTFORD

PUBLISHED: 62
IN: SCHOOL BUILDING ECONOMY SERIES, NO. 2

040 PAGES


IT IS THE PURPOSE OF THIS BOOKLET TO HELP LOCAL SCHOOL BOARDS TOWARD A FULLER UNDERSTANDING OF THE BENEFITS OF PLANNING AND THE TECHNIQUES FOUND MOST EFFECTIVE.

Availability

Connecticut State Dept. of Education
Hartford, Connecticut
SCHOOL BOND ELECTIONS
BOND ISSUE: WHAT SHALL WE DO (TECHNIQUES USED IN PROMOTING SCHOOL BOND ELECTIONS)

TEXAS EDUCATION AGENCY, AUSTIN, TEXAS

PUBLISHED-MARCH

091 PAGES


THIS REPORT OUTLINES SUGGESTIONS FOR CONDUCTING SCHOOL BOND CAMPAIGNS. ONE OF THE FIRST STEPS AN ADMINISTRATOR SHOULD TAKE IS TO EVALUATE THE FACTORS IMPORTANT TO THE SELLING OF BONDS--STIMULATE INTEREST IN INVESTMENT DEALERS THEREBY INCREASING COMPETITION FOR BONDS, PREPARE A COMPLETE ACCURATE PROSPECTUS, CIRCULATE THE PROSPECTUS AMONG BOND DEALERS, ANSWER ALL INQUIRIES PROMPTLY AND ACCURATELY, IF NOT RATED, INVESTIGATE THE POSSIBILITY OF BECOMING RATED. ANOTHER PRE-CAMPAIGN MEASURE IS TO ESTABLISH LINES OF COMMUNICATION FOR DISSEMINATING INFORMATION TO THE PUBLIC. MASS MEDIA, PUBLIC SPEAKERS, AND CITIZENS COMMITTEES UTILIZING GRAPHS, CHARTS, ETC. MAY BE USED TO CARRY THE CAMPAIGN TO THE PUBLIC. A PUBLIC RELATIONS PROGRAM IS SUGGESTED AS A MEANS FOR STIMULATING COMMUNITY ACTION. SAMPLES OF SPEECHES, BROCHURES, GRAPHS, BLUEPRINTS, FINANCIAL REPORTS AND OTHER CAMPAIGN MATERIALS ARE CITED IN THE REPORT. (GM)

Order from EDRS as: ED 14863
MF $0.50 HC $4.65
DEVELOPING PRACTICES CONCERNING GENERAL OBLIGATION SCHOOL BONDS AND CAPITAL OUTLAY FINANCING

BY- SHOCKLEY, EMMETT
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS. CHICAGO, ILLINOIS

PUBLISHED- 65
IN- PROCEEDINGS. ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, 50TH ANNUAL MEETING AND EDUCATIONAL EXHIBIT, SAN FRANCISCO, CALIFORNIA, OCTOBER 17-22, 1964

013 PAGES


THIS REPORT PRESENTS THE HISTORY AND EVOLUTION OF GENERAL OBLIGATION SCHOOL BONDS AND CAPITAL OUTLAY FINANCING FOR PUBLIC EDUCATION. THE HISTORY ENTAILS PAST LEGISLATION OF SEVERAL STATES CONCERNED WITH SCHOOL BORROWING. THE EVOLUTION OF SCHOOL BONDING IS EXPLAINED IN TERMS OF INCREASED SCHOOL FINANCING FROM 1900 THROUGH 1958. SINCE 1958 A LEVELING TREND IN SCHOOL BORROWING IS NOTED. THE SCHOOL BUILDING AUTHORITY, FEDERAL AID AND STATE CAPITAL OUTLAY ASSISTANCE ARE CITED AS MAJOR CAUSES FOR THE PLATEAU IN SCHOOL BORROWING. THE ISSUANCE OF BUILDING AUTHORITY BONDS CONTINUES TO SHOW THE MOST EXPANSION. STATE BONDS HAVE NOT SHOWN THE SAME RATE OF EXPANSION.

Availability:

ASBO Secretary
2424 W. Lawrence Ave.
Chicago, Illinois 60625
FINANCING SCHOOL CONSTRUCTION

BY- UAUM, HENRY F.
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS, EVANSTON, ILLINOIS

PUBLISHED-OCT61
IN- PROCEEDINGS, ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, 47TH ANNUAL MEETING AND EXHIBIT, TORONTO, ONTARIO, CANADA, OCTOBER 7-12, 1961

006 PAGES

DESCRIPTORS- * BOND ISSUES, *EDUCATIONAL FINANCE, *SCHOOL CONSTRUCTION, CONSTRUCTION COSTS, BUDGETING, BUDGETS, FINANCIAL NEEDS, FINANCIAL POLICY, FINANCIAL PROBLEMS, PLANNING, SCHOOL PLANNING

A DISCUSSION OF AUTHORITY FINANCING AS IT IS PRACTICED IN PENNSYLVANIA. AN AUTHORITY IS A SPECIAL CORPORATION CHARTERED BY THE STATE LEGISLATURE WHICH IS EMPOWERED TO BORROW MONEY AND TO BUILD SCHOOL BUILDINGS FOR LOCAL DISTRICTS AND THEN RENT THEM TO THE DISTRICTS FOR A RENT SUFFICIENT TO PAY OFF INTEREST AND PRINCIPAL.

Availability:

ASBO Secretary
2424 W. Lawrence Ave.
Chicago, Illinois 60625
Several methods of financing the school building program are discussed. (1) The bonding plan, (2) Pay As You Go, and (3) The combination plan. An outline of the state's responsibility for school building financing is provided.
LEGAL PROBLEMS RELATED TO MARKETING OF SCHOOL BONDS

BY- GALLOWAY, ARCHIBALD N.
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS, EVANSTON, ILLINOIS

PUBLISHED- 59
IN- PROCEEDINGS, ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE
UNITED STATES AND CANADA. 44TH ANNUAL CONVENTION, NEW YORK, N.
Y. OCTOBER 5-9, 1958

009 PAGES

DESCRIPTORS- * BOND ISSUES, *EDUCATIONAL FINANCE, *LEGAL
PROBLEMS, *MONEY MANAGEMENT, EDUCATIONAL POLICY, LEGAL AID, LEGAL
CUTS, MANAGEMENT, MUNICIPALITIES

A "BIRD'S EYE" VIEW OF PROBLEMS INVOLVED AND THE WARNING SIGNS THAT MUST
BE OBSERVED. AMONG THE PROBLEMS DISCUSSED ARE: DEBT LIMIT, PURPOSE OF THE
ISSUE, REFERENDUM, MAXIMUM LIFE OF ISSUE, AMOUNTS OF ANNUAL MATURITIES,
SALE OF BONDS, AND REQUIREMENTS FOR FURNISHING FINANCIAL INFORMATION.

Availability:
ASBOSecretary
2424 W. Lawrence Ave.
Chicago, Illinois 60625

21
FINANCIAL PROBLEMS RELATED TO MARKETING OF SCHOOL BONDS

BY- WHITBECK, JOHN
ASSOCIATION OF SCHOOL BUSINESS OFFICIALS, EVANSTON, ILLINOIS

PUBLISHED- 59
IN- PROCEEDINGS, ASSOCIATION OF SCHOOL BUSINESS OFFICIALS OF THE UNITED STATES AND CANADA, 44TH ANNUAL CONVENTION, NEW YORK, N.Y., OCTOBER 5-9, 1958

011 PAGES

DESCRIPTORS- #BOND ISSUES, #EDUCATIONAL FINANCE, #FINANCIAL POLICY, #FINANCIAL PROBLEMS, #MONEY, ADMINISTRATION, MANAGEMENT, SCHOOL ADMINISTRATION

A DISCUSSION OF STEPS A SCHOOL DISTRICT MAY TAKE WHICH SHOULD HELP TO HAVE A SUCCESSFUL SALE AT LOWEST POSSIBLE INTEREST COST.

Availability:

ASBO Secretary
2424 W. Lawrence Ave.
Chicago, Illinois 60625
MICHIGAN SCHOOL BOND LOAN PROGRAM

MICHIGAN STATE DEPT. OF EDUCATION, LANSING

PUBLISHED- 66

14 PAGES


AN ACTUAL STATEMENT OF LEGISLATION PERTAINING TO SCHOOL BONDS IN MICHIGAN.

Availability:

Michigan State Department of Education
Lansing, Michigan
GARDEN CITY REPORTS SUCCESSFUL BOND AND SCHOOL MILLAGE ELECTIONS

BY- O'LEARY E.J.

PUBLISHED-MAR64
IN- AMERICAN SCHOOL BOARD JOURNAL, P 17-18, MAR 1964

AVAILABLE FROM- THE AMERICAN SCHOOL BOARD JOURNAL, BRUCE PUB.
CO., 400 N. BROADWAY, MILWAUKEE, WISCONSIN 53201

VOTERS IN THIS MICHIGAN CITY APPROVED 18 SPECIAL SCHOOL PROPOSITIONS IN
11 YEARS AND TURNED DOWN MORE. SOME REASONS BEHIND THE SUCCESS ARE RELATED
IN THIS ARTICLE.
THE COST OF BORROWING MONEY

PUBLISHED-JUL 65

003 PAGES

DESCRIPTORS- *ADMINISTRATOR GUIDES, *CONSTRUCTION COSTS,
*CREDIT (FINANCE), *SCHOOL DISTRICTS, *SCHOOL DISTRICT SPENDING, 
EDUCATIONAL FINANCE, INTEREST

A DISCUSSION OF THE EFFECT OF INTEREST RATES ON SCHOOL CONSTRUCTION COSTS. AFTER REVIEWING THE VARIABLES WHICH DETERMINE INTEREST COSTS THE AUTHOR SUGGESTS THE ONE FACTOR THE SCHOOL ADMINISTRATOR CAN BEST CONTROL IS HIS DISTRICT'S CREDIT RATING. (FPQ)

Availability:

School Management Magazine Inc.
22 West Putnam Ave.
Greenwich, Connecticut 06830
FIFTEEN FINE YEARS OF SCHOOL CONSTRUCTION PROGRESS, 1950-1965

MILWAUKEE PUBLIC SCHOOLS, WISCONSIN

PUBLISHED - 66

066 PAGES


Availability:

Milwaukee Public Schools
5225 W. Vilet St.
Milwaukee, Wisconsin 53208

26
BCND SALES FOR PUBLIC SCHOOL PURPOSES 1967-68

BY: BAKR, RICHARD H.
U.S. DEPT OF HEALTH, EDUCATION AND WELFARE, OFFICE OF EDUCATION, WASHINGTON, D.C.

PUBLISHED: JAN69

008 PAGES


INFORMATION IS PROVIDED CONCERNING THE SALE OF BONDS FOR CONSTRUCTION OF PUBLIC ELEMENTARY AND SECONDARY SCHOOL FACILITIES. IT IS INTENDED FOR USE BY ADMINISTRATORS, BOARD MEMBERS, AND THE GENERAL PUBLIC WHO MUST REPAY THESE BONDS AND HENCE MUST HAVE SOME KNOWLEDGE OF THEIR FINANCING. A GENERAL DESCRIPTION OF THE CHARACTERISTICS OF PUBLIC SCHOOL PRIMARY MARKET BOND SALES DURING THE FISCAL YEAR 1968 (JULY 1, 1967-JUNE 30, 1968) IS GIVEN. SPECIFIC INFORMATION IS ALSO PROVIDED REGARDING NEW BOND SALES, BOND ELECTIONS FOR PUBLIC SCHOOL PURPOSES, AND NET INTEREST COSTS. (NI)
RENOVATING AND REMODELING
MODERNIZATION OF SCHOOL BUILDINGS

BY- L HOTE, JOHN
NATIONAL COUNCIL ON SCHOOLHOUSE CONSTRUCTION, EAST LANSING, MICHIGAN

PUBLISHED-OCT63
IN- PROCEEDINGS OF THE NCSC 40TH ANNUAL MEETING, PRINCETON, NEW JERSEY, OCTOBER 7-10, 1963

005 PAGES


THE PROBLEM OF BUILDING MODERNIZATION VERSUS REPLACEMENT CANNOT YET BE SOLVED WITH FIXED FORMULAS OR GUIDELINES. THE DECISION PROCESS INVOlVES A COMBINATION OF MANY FACTORS INCLUDING COSTS, HEALTH, SAFETY, EDUCATIONAL ADEQUACY, STRUCTURAL SAFETY, ADMINISTRATIVE FEATURES, AND APPEARANCE. THESE ARE DETERMINED BY BOTH CITIZEN AND STAFF EVALUATION. THE BASIC DECISIONS ARE MADE ON--(1) STRUCTURAL SOUNDNESS, (2) THE NEED FOR THE FACILITY, (3) APPROPRIATENESS OF FACILITIES. ECONOMIC CONSIDERATIONS DETERMINE THE NEED FOR MODERNIZATION, WHICH CAN BE DONE EFFECTIVELY, WITHIN THIS GENERAL DECISION FRAMEWORK. DISCUSSION AND EXAMPLES ARE DRAWN FROM THE DETROIT SCHOOL SYSTEM.

Availability:
C.E.F.P. Executive Headquarters
29 West Woodruff Avenue
Columbus, Ohio 43210
MAJOR CONSIDERATIONS IN SCHOOL MODERNIZATION - AGE, LOCATION, EDUCATIONAL ADEQUACY

BY: LHOTE, JOHN D.
RESEARCH COUNCIL OF THE GREAT CITIES PROGRAM FOR SCHOOL IMPROVEMENT, CHICAGO, ILLINOIS

PUBLISHED: OCT 57
IN: NEW LIFE FOR OLD SCHOOLS NEWSLETTER, NO. 22

004 PAGES


A DESCRIPTION OF THE RELATIONSHIP BETWEEN SCHOOL MODERNIZATION AND BUILDING AGE, WITH PARTICULAR ATTENTION TO RENOVATION RATHER THAN NEW CONSTRUCTION TO MEET CHANGING EDUCATIONAL NEEDS, IS GIVEN. THE NEWSLETTER EMPHASIZES EDUCATIONAL ADEQUACY AS BEING MORE IMPORTANT THAN BUILDING AGE, AND DESCRIBES RENOVATION TECHNIQUES WHICH WILL FACILITATE THIS APPROACH. A MAJOR CONSIDERATION IS IN TEACHING NEEDS AND EDUCATIONAL METHODS AS CRITERIA IN ADDITION TO LIGHTING AND CLIMATE CONTROL WHICH SERVE PHYSIOLOGICAL NEEDS. OTHER ITEMS INCLUDE DECISION MAKING PROCESSES, COSTS, FLEXIBILITY, AND TEACHER EDUCATION. CLARIFICATION OF THE TERM SCHOOL MODERNIZATION IS ALSO INCLUDED. (MM)
WAREHOUSES, GARAGES, BOWLING ALLEYS - NON-EDUCATIONAL BUILDINGS FIND NEW LIFE AS SCHOOLS

BY- GRAVES, BEN E.
RESEARCH COUNCIL OF THE GREAT CITIES PROGRAM FOR SCHOOL IMPROVEMENT, CHICAGO, ILLINOIS

PUBLISHED-JAN, 88
IN- NEW LIFE FOR OLD SCHOOLS NEWSLETTER, NO. 24

4 PAGES


INCREASING SCHOOL POPULATIONS AND SITE COSTS ARE CAUSING GREATER USE OF NON-EDUCATIONAL BUILDINGS. EXAMPLES CITED INCLUDE--(1) THE USE OF CHURCHES FOR CERTAIN PRIMARY LEVELS, (2) COMMERCIAL SPACE CONVERTED TO ADULT EDUCATION FACILITIES, (3) A 420,000 SQUARE FOOT FACTORY CONVERTED INTO A VOCATIONAL SCHOOL, (4) A TELEPHONE COMPANY BUILDING CONVERTED INTO A VOCATIONAL GUIDANCE CENTER, (5) A 660,000 SQUARE FOOT FACTORY CONVERTED INTO A TRADE SCHOOL AND MANPOWER TRAINING CENTER, (6) A FOOD STORE BUILDING CONVERTED INTO A VOCATIONAL HIGH SCHOOL, AND (7) A STUDY CONDUCTED CONFIRMING THE FEASIBILITY OF MERGING COMMUNITY COLLEGE FACILITIES WITH CULTURAL AND COMMERCIAL FACILITIES IN A DOWN TOWN LOCATION. EACH EXAMPLE DEMONSTRATES THE ECONOMIC ADVANTAGES WITH COST FIGURES. THE WINNING SUBMITTAL IN A COMPETITION TO CONVERT A JUNIOR HIGH SCHOOL INTO AN INTERMEDIATE SCHOOL IS SHOWN IN FLOOR PLAN AND PERSPECTIVE VIEWS. THE RENOVATION SCHEDULE WAS DESIGNED TO MINIMIZE DISTURBANCE TO EXISTING OPERATIONS. (MH)///

Availability:
Research Council of the Great Cities Program for School Improvement
4433 W. Touhy Ave.
Chicago, Illinois 60645
RENOVATE AND MODERNIZE OR ABANDON AND BUILD (A SUMMARY OF AN ILLUSTRATED TALK GIVEN BY WILLIAM L. ENSIGN OF MC LEOD, FERRARA AND ENSIGN, ARCHITECTS, AT THE AASA CONVENTION IN ATLANTIC CITY, 1968)

RESEARCH COUNCIL OF THE GREAT CITIES PROGRAM FOR SCHOOL IMPROVEMENT, CHICAGO, ILLINOIS

PUBLISHED-MARCH
IN-NEW LIFE FOR OLD SCHOOLS NEWSLETTER, NO. 26, MARCH 1968

4 PAGES


THIS NEWSLETTER COMPARES THE ADVANTAGES AND DISADVANTAGES OF SCHOOL RENOVATION AND NEW SCHOOL CONSTRUCTION WITH RESPECT TO EVOLVING EDUCATIONAL NEEDS AND METHODS. THE NEED TO UTILIZE EXISTING STRUCTURES THROUGH RENOVATION AND MODERNIZATION IS EMPHASIZED AND A FORMULA IS PROVIDED FOR COMPARING RENOVATION AND NEW SCHOOL CONSTRUCTION COSTS. PROBLEMS AND CONSIDERATIONS ARE GIVEN FOR MODERNIZATION. EXAMPLES ARE GIVEN OF SUCCESSFUL RENOVATION PROJECTS INCLUDING GYMNASIUMS, AUDITORIUMS, AND CLASSROOMS. NEW TEACHING INNOVATIONS ARE ALSO ILLUSTRATED.
MISSISSIPPI'S 300 MILLION DOLLAR SCHOOL CONSTRUCTION PROGRAM

BY- NAYLOR, T. H. JR. AND CAIN, G. J.
MISSISSIPPI STATE EDUCATIONAL FINANCE COMMISSION, JACKSON

PUBLISHED JUL 65

026 PAGES

DESCRIPTORS- *COSTS, *IMPROVEMENTS, *PLANNING, CONSTRUCTION
*COSTS, BUILDING IMPROVEMENT, PUBLIC SCHOOLS, SCHOOL PLANNING,
SOUTHERN SCHOOLS

THIS REPORT IS A REVIEW OF THE ASSISTANCE PROGRAM FROM 1946
TO THE PRESENT FOR LOCAL SCHOOL DISTRICTS IN MISSISSIPPI. SCHOOL
DISTRICT PROGRAM NEEDS WERE DETERMINED BY A CITIZEN'S COUNCIL, A
LEGISLATURE STUDY COMMITTEE, AN EDUCATIONAL FINANCE COMMITTEE AND
A LEGISLATIVE REPORT IN PUBLIC EDUCATION. THESE GROUPS EXAMINED
EXISTING SCHOOL PLANT FACILITIES AND MADE RECOMMENDATIONS IN
TERMS OF PROJECTIONS OF FUTURE NEEDS. A TABLE OF ALLOCATIONS TO
SCHOOL DISTRICTS AND A TABLE OF ANNUAL ALLOCATIONS ARE INCLUDED
IN THE REPORT. A SUMMARY PRESENTS SITE SPECIFICATIONS, FACILITIES
INCLUDED. THE REDUCTION OF THE NUMBER OF SCHOOL DISTRICTS, SCHOOL
POPULATION GROWTH AND SCHOOL CONSTRUCTION COSTS.

Availability:

Mississippi State Educational Finance
Commission
Jackson, Mississippi
FINANCING SCHOOL BUILDING CONSTRUCTION

BY- ROBINSON. RAYMUND W. AND SPEIDEL. HAROLD O.
Pennsylvania State Department of Public Instruction, Harrisburg

PUBLISHED- 84
IN- School Executive Series No. 5

010 PAGES

DESCRIPTIONS- *CONSTRUCTION COSTS, *EDUCATIONAL FINANCE, *FINANCIAL NEEDS, *SCHOOL CONSTRUCTION, BOND ISSUES, CONSTRUCTION NEEDS, FINANCIAL SUPPORT, MUNICIPALITIES, STATE AID, FINANCING

This publication outlines the various methods that may be employed by Pennsylvania school districts to finance building construction. Pay-as-you-go is cited as the most economical way since funds come from current tax receipts. Temporary loans are next. Such loans are considered to be for five years or less. Issuance of general obligation bonds is another common method of financing new construction. Statutory limitations provide controls which must be observed. The most common method of financing construction is through use of a municipality authority. This is a separate corporate entity which builds the building and rents it to the school district on a long-term lease. The State Public Building Authority can do the same thing as a municipality authority. Interest rates are often lower through such a body. Provisions are made for state reimbursement on approved building projects.

Availability:

Pennsylvania State Department of Public Instruction
Harrisburg, Pennsylvania
KENTUCKY PUBLIC SCHOOL CONSTRUCTION

BY: SPARKS, HARRY M.
KENTUCKY STATE DEPARTMENT OF EDUCATION, FRANKFORT

PUBLISHED: 67

163 PAGES


New school construction in the state of Kentucky is illustrated through review of—(1) 15 elementary schools, (2) 14 high schools, and (3) one administrative facility. Each example includes—(1) a general architectural description, (2) site and floor plans, and (3) an exterior photograph or perspective. Preceding these examples are reviews of—(1) bonds, special levies and assessments of state school districts, (2) bonds outstanding and school revenue bonds, and (3) area and cost data for school construction. Copies may also be obtained from the director, division of statistical services, state department of education, Frankfort, Kentucky. (MH)

Order from EDRS as: ED 19845

MF $0.75
HC $8.25
A REPORT TO THE ASSOCIATION OF STATE DIRECTORS OF EDUCATIONAL PLANT SERVICES ANNUAL MEETING IN DETROIT

PUBLISHED-OCT67

004 PAGES


A DESCRIPTION IS PRESENTED OF CHANGES EFFECTED IN SCHOOL BUILDING PROCEDURES IN DELAWARE. UPDATING OF PROCEDURES AND FUNDING OF CONSTRUCTION PROGRAMS IN THE FOLLOWING AREAS ARE DESCRIBED—(1) LEGISLATION, (2) NEW PROGRAMS, (3) REPORTS, (4) THE BUILDING PROGRAM, (5) BOARD POLICY AND (6) EDUCATIONAL TELEVISION. INCLUDED IS A BREAK-DOWN OF FUNDS INVOLVED IN THE ANNUAL CAPITAL IMPROVEMENT ACT FOR FISCAL 1968. (FS)

Availability:

State Department of Education
Dover, Delaware
SCHOOL BUILDING IN ALBERTA

BY- HALL, L. G.

PUBLISHED-MAR 7
IN- CANADIAN EDUCATION AND RESEARCH DIGEST, V7 N1 P59-66 MARCH 1967

AVAILABLE FROM- CANADIAN EDUCATION AND RESEARCH DIGEST, CANADIAN EDUCATION ASSN., 151 BLOOR ST. W., TORONTO 5, ONTARIO, CANADA

006 PAGES


AFTER POINTING OUT THE NEED FOR MORE SCHOOL BUILDINGS IN ALBERTA, CANADA, CONSIDERATION IS GIVEN TO THE ADMINISTRATIVE AND FINANCIAL BACKGROUND TO SCHOOL BUILDINGS. ROLES ARE DISCUSSED FOR PROVINCIAL ORGANIZATIONS INVOLVED IN BUILDING PROJECTS AND PLANNING, AND THE ROLE OF THE SCHOOL BUILDINGS BOARD IS DESCRIBED. (FS)

Availability:
Canadian Education and Research Digest
Canadian Education Association
151 Bloor St.
Toronto 5, Ontario Canada
DESIGN METHODOLOGIES AND CONSTRUCTION PROCEDURES
THE CRITICAL PATH METHOD IS APPLIED AS A TOOL FOR THE PLANNING AND MANAGEMENT OF DIFFERENT TYPES OF CONSTRUCTION PROJECTS. THIS METHOD CONSISTS OF A SCHEMATIC DIAGRAM OR MODEL THAT DEPICTS THE SEQUENCE AND INTERRELATION OF THE COMPONENT PARTS OF A PROJECT. A PLANNING APPROACH OF THIS TYPE PERMITS CONTINUAL EVALUATION AND COMPARISON OF ALTERNATIVE WORK PROGRAMS, CONSTRUCTION METHODS, AND TYPES OF EQUIPMENT THAT MAY BE USED. ONCE A PLAN HAS BEEN DEVISED AND CONSTRUCTION HAS STARTED, THE MODEL CAN PROVIDE INFORMATION ON THE EFFECTS OF CONSTRUCTION VARIATION OR DELAY AND PERMIT IDENTIFICATION OF CONSTRUCTION OPERATIONS REQUIRING ADJUSTMENTS. CRITERIA TO BE PUT INTO THE MODEL INCLUDE TIME-COST FACTORS, SCHEDULING, FLOAT TIMES AND PROJECT RESOURCE AND COST CONTROLS. (GM)
RELATIONSHIP OF COST TO THE GEOMETRY OF A BUILDING

BY- ROWLETT, JOHN M. AND BULLOCK, THOMAS A.
CAUDILL, ROWLETT, SCOTT AND ASSOCIATES ARCHITECTS-ENGINEERS
BRYAN, TEXAS

IN- RESEARCH REPORT, 5

006 PAGES

DESCRIPTION- *BUILDING DESIGN, *CONSTRUCTION COSTS, *SCHOOL
DESIGN, ARCHITECTURE, BUILDINGS, DESIGN, SCHOOL BUILDINGS, SCHOOL
CONSTRUCTION

A SIMPLE BUILDING WITH A MINIMUM NUMBER OF INSIDE AND
OUTSIDE CORNERS GIVES THE MAXIMUM AMOUNT OF QUALITY TEACHING
SPACE FOR EACH BUILDING DOLLAR. THIS CONCLUSION IS BASED ON ONE
ARCHITECTURAL FIRM'S COMPARISON OF TWO SIMILAR SCHOOLS, ONE OF
WHICH HAD A MORE COMPLEX PLAN. A COMPARISON OF COSTS, AREAS
PERIMETERS, VOLUMES, NUMBER OF CORNERS, AND NUMBER OF ROOFS IS
GIVEN. (JT)
CURRENT TRENDS IN SCHOOL FACILITIES

SCHOOL MANAGEMENT INC., GREENWICH, CONNECTICUT

IN ANNUAL SCHOOL BUILDING ISSUE, SCHOOL MANAGEMENT VOL 9 NO 7
JULY 1965 PP 108-141

034 PAGES

DESCRIPTIONS- *CONSTRUCTION COSTS, *EQUIPMENT, *SCHOOL FACILITIES

THIS DOCUMENT PRESENTS GRAPHS AND CHARTS WHICH DEMONSTRATE CURRENT TRENDS IN THE COSTS, EQUIPMENT, AND MATERIALS IN THE CONSTRUCTION OF ELEMENTARY AND SECONDARY SCHOOLS FOR THE 1963, 1964 AND 1965 SCHOOL YEARS. BY SCHOOL SIZE AND STATE, THE DOCUMENT LISTS CLASSROOM COSTS, PER PUPIL COSTS AND THE SPECIALIZED FACILITIES WHICH ARE BEING PROVIDED IN AUDITORIUMS, CAFETERIAS, KITCHENS, GYMNASIUMS, LANGUAGE LABORATORIES, SCIENCE LABORATORIES, INDUSTRIAL ARTS, ART, HOME ECONOMICS, BUSINESS EDUCATION, LIBRARY, AND MUSIC. SPECIALIZED COSTS FOR EDUCATIONAL TELEVISION, AIR CONDITIONING, CARPETING, AND OPERABLE WALLS ARE INCLUDED.

Availability:

School Management Magazine Inc.,
22 W. Putnam Ave.
Greenwich, Conn.
IN 1959 THE CONNECTICUT GENERAL ASSEMBLY PASSED LEGISLATION REQUIRING THAT THE STATE DEPARTMENT OF EDUCATION ESTABLISH A SCHOOL CONSTRUCTION SERVICE TO ASSIST COMMUNITIES IN ACHIEVING INCREASED ECONOMY IN THEIR SCHOOL BUILDING PROJECTS. IT FURTHER REQUIRES EACH PROJECT BE REVIEWED BY THE SERVICE FOR ECONOMY IN ORDER TO QUALIFY FOR STATE CONSTRUCTION GRANT. THIS FIRST BOOKLET RECOMMENDS PROCEDURES DESIGNED TO ELIMINATE WASTED EFFORT, LOST TIME, AND THE RESULTANT, HIDDEN BUT CONSIDERABLE COST. IT IS A MUST IN PROCEDURES WHICH COMMUNITIES SHOULD FOLLOW IF THEY WISH TO OBTAIN FINANCIAL ASSISTANCE UNDER THE CONNECTICUT SCHOOL BUILDING AID LAW. CHAPTERS ON SCHOOL BUILDING COMMITTEE, ALLOCATION OF RESPONSIBILITIES, EDUCATIONAL SPECIFICATIONS RECONSIDERED, SELECTING AN ARCHITECT, TIME FOR PLANNING, BUDGETING AND COST CONTROL, CONTRACT DOCUMENTS, BIDDING AND CONSTRUCTING, AND CONSTRUCTION PERIOD, ARE SHORT, CONCISE, AND USEFUL TO GROUPS AND OFFICIALS PLANNING SCHOOL FACILITIES. THE OTHER FOUR CHAPTERS ARE APPLICABLE ONLY TO CONNECTICUT AND OTHER STATE LAWS AND REGULATIONS.

Availability:

Connecticut State Department of Educ.
Hartford, Conn.
THE FINAL REPORT OF A THREE PART FEASIBILITY STUDY OF THE COMPONENT CONSTRUCTION SYSTEMS SAMPLED APPROPRIATED ASPECTS OF THE SCHOOL CONSTRUCTION CLIMATE IN NEW YORK STATE. IT SOUGHT TO DETERMINE THE APPROPRIATENESS OF THE SCHOOL CONSTRUCTION SYSTEM DEVELOPMENT PROCESS TO SCHOOL CONSTRUCTION IN THE MID-HUDSON VALLEY AND TO EXPLORE POSSIBILITIES FOR THE ACCOMPLISHMENT OF SUCH PROGRAMS. THIS COMPONENT APPROACH SEeks TO ACHIEVE ECONOMIES BY STANDARDIZING CERTAIN UNITS OF CONSTRUCTION AND EQUIPMENT AND BY LARGE SCALE PURCHASING OF THESE COMPONENTS. THIS STUDY CONTAINS A SUMMARY OF THE EIGHT 'CLIMATE AREAS' THAT WERE INVESTIGATED AND CONCLUSIONS AS TO THE VARIOUS ASPECTS OF FEASIBILITY. (80)
CONTRACT DOCUMENTS AND PERFORMANCE SPECIFICATIONS

FIRST CALIFORNIA COMMISSION ON SCHOOL CONSTRUCTION SYSTEMS, PALO ALTO

PUBLISHED-JUL63

269 PAGES


A SET OF EDUCATIONAL SPECIFICATIONS DRAFTED BY THE FIRST CALIFORNIA COMMISSION ON SCHOOL CONSTRUCTION SYSTEMS GIVES INFORMATION ON BIDDING PROCEDURES, A DESCRIPTION OF THE CURRENT CONSTRUCTION PROGRAM, PROCEDURES FOR SUBMITTING A PROPOSAL, DATA AND CONDITIONS RELATED TO THE DEVELOPMENT PHASE OF THE PROJECT, COMPONENT CONTRACTS, AND GENERAL CONDITIONS AND PROCEDURES. PERFORMANCE SPECIFICATIONS ARE OUTLINED IN TERMS OF STRUCTURE, HEATING, VENTILATION, COOLING, CEILING LIGHTING AND INTERIOR PARTITIONS. ALSO INCLUDED ARE MATERIALS—COST MATRICES, CONSTRUCTION TIMETABLES AND ADDENDA TO THE SPECIFICATIONS. (GM)
THE RELATIONSHIP OF PUBLIC HIGH SCHOOL PERFORMANCE TO EXPENDITURE PER PUPIL AND HIGH SCHOOL SIZE WAS EXAMINED. DATA FROM 775 PUBLIC HIGH SCHOOLS IN THE CONTINENTAL UNITED STATES GENERATED BY THE AMERICAN INSTITUTE FOR RESEARCH (PROJECT TALENT) WAS USED TO EVALUATE TWELVE POTENTIAL MEASURES OF HIGH SCHOOL PERFORMANCE. NINE OF THESE MEASURES WERE EITHER ACHIEVEMENT TESTS OR FACTOR SCORES BASED ON ALL TESTS. WHAT WERE JUDGED TO BE THE MOST IMPORTANT OF THESE OUTPUT MEASURES WERE THEN RELATED TO HIGH SCHOOL EXPENDITURE AND SIZE IN A SIMPLE MODEL OF THE EDUCATIONAL PROCESS IN WHICH PERFORMANCE OF PUPILS FROM SIMILAR SOCIO-ECONOMIC BACKGROUNDS WAS EXPLAINED BY A GENERAL INTELLIGENCE FACTOR SCORE, SCHOOL EXPENDITURE, SCHOOL SIZE, AND AN INDEX OF PUPIL SOCIO-ECONOMIC BACKGROUND. (RLP)
METHODS OF BUILDING COST ANALYSIS

BUILDING RESEARCH INST. INC., WASHINGTON D.C.

PUBLISHED: 61

066 PAGES

DESCRIPTORS: *ARCHITECTURAL PROGRAMING, *BUILDING DESIGN, *CONSTRUCTION COSTS, COST EFFECTIVENESS, FACILITY INVENTORY, LIGHTING

PRESENTATION OF SYMPOSIUM PAPERS INCLUDES—(1) A STUDY DESCRIBING TECHNIQUES FOR ECONOMIC ANALYSIS OF BUILDING DESIGNS, (2) THREE CASE STUDIES OF ANALYSIS TECHNIQUES, (3) PROCEDURES FOR MEASURING THE AREA AND VOLUME OF BUILDINGS, AND (4) AN OPEN FORUM DISCUSSION. CASE STUDIES EVALUATE—(1) THE THERMAL ECONOMICS OF BUILDING ENCLOSURES, (2) AN ECONOMIC ANALYSIS OF INTEGRATED LIGHTING, AND (3) COMPUTER OPTIMIZATION OF BUILDING SYSTEMS OF MORE THAN THREE VARIABLES. (MH)
A FIVE-YEAR SCHOOL BUILDING AND FUTURE SITES PROGRAM 1966-1970

MILWAUKEE BOARD OF SCHOOL DIRECTORS, WISCONSIN

PUBLISHED-JAN65

AVAILABLE FROM- BOARD OF SCHOOL DIRECTORS 5225 W VILET ST.
MILWAUKEE, WISCONSIN 53208

114 PAGES

DESCRIPTIONS- *CONSTRUCTION COSTS, *CONSTRUCTION PROGRAMS,
*FACILITY EXPANSION, *FACILITY REQUIREMENTS, *SITE ANALYSIS,
CONSTRUCTION NEEDS, EDUCATIONAL FINANCE, SCHOOL CONSTRUCTION,
SCHOOL IMPROVEMENT, SCHOOL PLANNING

FIVE-YEAR SCHOOL BUILDING AND SITE NEEDS AND RELATED
FINANCIAL REQUIREMENTS ARE SUMMARIZED FOR MILWAUKEE'S SCHOOLS.
EDUCATIONAL POLICIES CONCERNING THE SCHOOL BUILDING PROGRAM ARE
STATED, AND CONSIDERATION IS GIVEN TO FACTORS AFFECTING SCHOOL
BOARD NEEDS SUCH AS BIRTH RATE, PUBLIC HOUSING PROJECTS, URBAN
RENEWAL, HIGHWAYS AND EXPRESSWAYS, ETC. SCHOOL FACILITIES AND
SITES NEEDED ARE SPECIFICALLY NOTED. A PROGRESS REPORT IS GIVEN
ON THE SCHOOL CONSTRUCTION AND IMPROVEMENT PROGRAM, AND INTERIM
REPORTS OF THE FIVE-YEAR BUILDING AND FUTURE SITES COMMISSION ARE
PRESENTED. (FS)

Availability:

Board of School Directors
5225 W. Vilet St.
Milwaukee, Wisconsin 53208
THE CAMPUS PLAN: ONE ANSWER TO QUALITY ELEMENTARY EDUCATION IN SYRACUSE

SYRACUSE CITY SCHOOL DISTRICT, N.Y.

PUBLISHED: 68

017 PAGES

DESCRIPTORS: *CAMPUSES, *EDUCATIONAL COMPLEXES, *EDUCATIONAL FINANCE, *ELEMENTARY EDUCATION, *SCHOOL PLANNING, CAPITAL OUTLAY (FOR FIXED ASSETS), EDUCATIONAL PARKS, RACIAL BALANCE, SCHOOL BUILDINGS, SCHOOL DISTRICT SPENDING

ONE OF THREE RESEARCH REPORTS PUBLISHED ON THE CAMPUS PLAN FOR SYRACUSE ELEMENTARY SCHOOLS. THIS REPORT, AFTER EXPLAINING THE PLAN AND THE ADVANTAGES TO BE REALIZED FROM IT, IS CONCERNED WITH HOW MUCH THE PLAN WOULD COST. A SCHEDULE OF CAPITAL OUTLAYS FOR VARIOUS ALTERNATE PLANS, FOR BOTH THE CAMPUS PLAN AND SCATTERED-SITE SCHOOLS WITH VARIOUS FACILITY ARRANGEMENTS, IS PRESENTED. (FPO)
URBAN SCHOOL CONSTRUCTION
COST MODEL FOR LARGE URBAN SCHOOLS

DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, WASHINGTON, D.C.

PUBLISHED- 67
IN- TECHNICAL NOTE, NO. 30

026 PAGES

DESCRIPTORS- *COSTS, *SCHOOL CONSTRUCTION, *URBAN EDUCATION, CAPITAL, EQUIPMENT, EXPENDITURES, SCHOOL LOCATION, TRANSPORTATION

THIS DOCUMENT CONTAINS A COST SUBMODEL OF AN URBAN EDUCATIONAL SYSTEM. THIS MODEL REQUIRES THAT PUPIL POPULATION AND PROPOSED SCHOOL BUILDING ARE KNOWN. THE COST ELEMENTS ARE: (1) CONSTRUCTION COSTS OF NEW PLANTS, (2) ACQUISITION AND DEVELOPMENT COSTS OF BUILDING SITES, (3) CURRENT OPERATING EXPENSES OF THE PROPOSED SCHOOL, (4) PUPIL TRANSPORTATION COSTS, (5) INSTRUCTIONAL EQUIPMENT COSTS, AND (6) DEBT SERVICE COSTS.

VARIABLES CITED THAT DETERMINE CONSTRUCTION COSTS OF NEW SCHOOLS ARE ADMINISTRATION COSTS, SPACE PER PUPIL, TOTAL PUPILS, AND THE SQUARE FOOT COST. FROM EVIDENCE PRESENTED, THE ASSUMPTION THAT LARGER SCHOOL PLANTS COST LESS PER PUPIL CANNOT BE SUPPORTED.

QUANTITY RATHER THAN QUALITY OF BUILDING WAS CONSIDERED. LAND COSTS ARE DETERMINED BY COST PER ACRE, LAND NEEDED FOR TYPE OF SCHOOL, LAND NEEDED PER PUPIL, AND TOTAL NUMBER OF PUPILS.

CURRENT OPERATING COSTS ARE ESTIMATED FROM SALARY LEVEL AND NUMBER OF STAFF, EDUCATIONAL LEVEL AND NUMBER OF PUPILS, AND TEACHER-PUPIL RATIO. TRANSPORTATION EXPENSES ARE DETERMINED FROM EQUIPMENT COST, MAINTENANCE AND STORAGE COST, PUPILS TRANSPORTED, EFFECTIVE CAPACITY OF BUS PER MILE COST OF OPERATION, BUS SPEED, AND PUPIL COLLECTION TIME. INSTRUCTIONAL EQUIPMENT COSTS ARE DETERMINED FROM PURCHASE AND MAINTENANCE COSTS, AND NUMBER OF PUPILS USING EQUIPMENT. DEBT SERVICE COSTS ARE ESTIMATED FROM CONSTRUCTION, BUS, EQUIPMENT, LAND PURCHASE, INTEREST VARIABLES, AND AMORTIZATION SCHEDULE. (J2)
ANALYSIS OF URBAN EDUCATIONAL SYSTEMS MAY BE ACHIEVED BY USE OF AN ANALYTICAL MODEL. THE MODEL MAY BE USED IN DECISION-MAKING REGARDING SCHOOL LOCATION, ENROLLMENT, FACILITIES, ORGANIZATION, PROGRAMS AND COSTS. KNOWN DATA SUCH AS MONIES AVAILABLE, STAFF ALLOCATION, AND CURRENT SCHOOL PLANT ARE INTRODUCED INTO THE MODEL. IN THE STRUCTURE OF THE MODEL--(1) AN INITIAL INVESTMENT POLICY (BUILDING) IS PROPOSED BY THE ADMINISTRATOR. THE PROPOSAL IS RELATED TO (2) AN URBAN SUBMODEL WHICH COMBINES PUPIL POPULATION, LOCATION, TRANSPORTATION NEEDS, AND SOCIO-ECONOMIC CHARACTERISTICS OF THE COMMUNITY, (3) SCHOOL SUBMODEL WHICH DESCRIBES THE SCHOOL PROGRAM, SITE SPECIFICATIONS AND DEVELOPMENT PLANS, STAFF SPECIFICATIONS, AND SPACE AND EQUIPMENT PROVISIONS PER PUPIL BY INSTRUCTIONAL AREA, AND (4) COST SUBMODEL WHICH HELPS TO ESTIMATE ACCURATELY TOTAL PER PUPIL EXPENDITURE FOR REMODELING EXISTING FACILITIES COMPARED TO NEW SITE AND CONSTRUCTION PROPOSALS, PER PUPIL TRANSPORTATION EXPENDITURES, AND CURRENT OPERATION COSTS. IN AN INTERACTION SUBMODEL (5), SUBMODELS (2), (3), AND (4) ARE SUMMED. SUBMODEL (6) EVALUATES BENEFITS AND COSTS PER PUPIL IN RELATION TO EDUCATIONAL OBJECTIVES, CAUSING EXAMINATION SUBMODEL (7), THROUGH FEEDBACK, TO ALTER THE ORIGINAL PROPOSAL (1), JUSTIFYING, MODIFYING, OR ELIMINATING THE INITIAL INVESTMENT POLICY. (80)
EDUCATIONAL FACILITIES IN URBAN SETTINGS

PUBLISHED: 67

066 PAGES


MAJOR ADDRESSES CONCERNING EDUCATIONAL FACILITIES IN URBAN SETTINGS, WHICH WERE PRESENTED AT THE 1967 MEETING OF THE COUNCIL OF EDUCATIONAL FACILITY PLANNERS. THE PRESENTATIONS SET FORTH MUCH OF THE CONTEMPORARY THINKING AND PLANNING AS TO HOW EDUCATIONAL FACILITIES CAN BE DEVELOPED TO HELP RESOLVE THE VASTLY COMPLICATED NEGATIVE SITUATION CURRENTLY CHARACTERIZING URBAN ENVIRONMENTS. (FS)
FEDERAL AND STATE AID
PER PUPIL COSTS OF NEW SCHOOL BUILDINGS, 1965

PENNSYLVANIA STATE DEPARTMENT OF PUBLIC INSTRUCTION, HARRISBURG

PUBLISHED: 65

643 PAGES

DESCRIPTIONS: COSTS, EDUCATIONAL FINANCE, CONSTRUCTION COSTS, ELEMENTARY SCHOOLS, HIGH SCHOOLS, STUDENT COSTS

A TABLE WHICH GIVES PER PUPIL COST STRUCTURE PLUS ARCHITECTS FEE, AND PER PUPIL COST BASED ON TOTAL COST LESS SITE COST FOR SCHOOLS BUILT IN PENNSYLVANIA IN 1965.

Availability:

Pennsylvania State Department of
Public Instruction
Harrisburg, Pennsylvania
NEW YORK STATE TITLE III NDEA PLANNING GUIDE (REVISED EDITION 1967-68)

STATE UNIVERSITY OF NEW YORK, ALBANY

PUBLISHED- 68

028 PAGES

DESCRIPTORS- *EDUCATIONAL FINANCE. *FEDERAL AID. *FEDERAL PROGRAMS. *FINANCIAL SUPPORT. *PLANNING. SCHOOL PLANNING

THIS DOCUMENT PROVIDES GUIDELINES FOR PUBLIC SCHOOL AUTHORITIES WHO WISH TO AVAL troublesome THEMSELVES OF THE OPPORTUNITIES PROVIDED BY THE TITLE III NDEA PROGRAMS. FOR A SCHOOL DISTRICT OR OTHER AGENCY TO BE ELIGIBLE FOR FEDERAL ASSISTANCE UNDER ANY PROGRAM ADMINISTERED BY THE USDEA, THE OFFICIAL GOVERNING BODY IS REQUIRED TO FURNISH ASSURANCE OF COMPREHENSIVE WITH THE CIVIL RIGHTS ACT OF 1964. THE LIST OF EQUIPMENT AND MATERIALS IN THE DOCUMENT ARE NOT PROSCRIPTIVE. THE DOCUMENT OUTLINES PARTICIPATION IN THE PROGRAM IN TERMS OF--APPLICATION PROCEDURES, REIMBURSEMENT PROCEDURES, SPECIAL PROJECTS, PRIORITY CONSIDERATIONS, BASIC STANDARDS FOR THE APPROVAL OF PROJECTS, AND SPECIAL EQUIPMENT AND FURNITURE. (GM)

Availability:
The University of the State of New York
The State Education Department
Division of Educational Finance
Albany, New York
FEDERAL ASSISTANCE FOR EDUCATIONAL PLANNING ACQUIRING AND DEVELOPING SITES AND CONSTRUCTING FACILITIES

BY: GARDNER, DWAYNE E. AND TROTTER, CHARLES E., JR. AND LEVY, SPERRY D.
DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, WASHINGTON, D.C.

044 PAGES


A GUIDE TO FEDERAL FINANCIAL ASSISTANCE PROGRAMS. THE PROGRAMS ARE IDENTIFIED WITH THE ENABLING LEGISLATION, ALONG WITH ADDRESSES OF FEDERAL AGENCY OFFICES IN ALL AREAS OF THE COUNTRY RESPONSIBLE FOR THEIR ADMINISTRATION. THE BOOKLET IS DIVIDED INTO THREE PARTS ACCORDING TO THE TYPE OF FEDERAL PROGRAM—(1) EDUCATIONAL PLANNING, (2) ACQUISITION AND DEVELOPMENT OF SITES FOR EDUCATIONAL FACILITIES, AND (3) CONSTRUCTION OF EDUCATIONAL FACILITIES.
PUBLIC SCHOOL BUILDING AID PROGRAM IN CONNECTICUT (A BRIEF HISTORY FROM 1945 TO 1968)

CONNECTICUT STATE DEPARTMENT OF EDUCATION, HARTFORD, BUREAU OF SCHOOL BUILDINGS

PUBLISHED - MAY 68

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A BRIEF REVIEW OF LEGISLATIVE HISTORY IN CONNECTICUT WITH REFERENCE TO THE PUBLIC SCHOOL BUILDING AND PROGRAM. SPECIAL ACTIONS TAKEN BY THE 1965 LEGISLATURE AND THE 1967 GENERAL ASSEMBLY ARE ENUMERATED. A STATISTICAL SUMMARY OF AID UNDER THE PROGRAM IS PRESENTED. (FPO)

Availability:

Connecticut State Department of Educ.
Bureau of School Buildings
Hartford, Connecticut
STATE PARTICIPATION IN FINANCING LOCAL PUBLIC-SCHOOL FACILITIES

BY- BARK, W. MONTFORD AND WILKERSON, WILLIAM R.  
NATIONAL EDUCATION ASSN., WASHINGTON D.C., COMMITTEE ON  
EDUCATIONAL FINANCE  
PUBLISHED- 65

DESCRIPTORS- *EDUCATIONAL FINANCE, *PUBLIC SCHOOLS, *RESEARCH  
METHODOLOGY, *RESEARCH REVIEWS (PUBLICATIONS), *STATE AID,  
EDUCATIONAL ADMINISTRATION, EDUCATIONAL TRENDS

A REVIEW OF RESEARCH AND PROCEDURES IN STATE PARTICIPATION  
in Financing Local Capital Outlays in the 25 Year Period from  
1940-1965. The report summarizes major studies published in 1940,  
1951, and 1959 and numerous uncoordinated studies and reports  
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Availability:  
National Education Association  
1201 Sixteenth Street, N.W.  
Washington, D.C.
PLAN FOR EXPENDITURE OF STATE CAPITAL OUTLAY FUNDS, 1968-69

TENNESSEE STATE DEPT. OF EDUCATION, NASHVILLE

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DESCRIPTORS- *ACCOUNTING, *CAPITAL OUTLAY (FOR FIXED ASSETS), *EDUCATIONAL FINANCE, *EDUCATIONAL PLANNING, *STATE PROGRAMS, STATE DEPARTMENTS OF EDUCATION

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Availability:

Tennessee State Department of Education
Nashville, Tennessee
DETERMINATION OF THE STATE MATCHING RATIO

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Availabilty:
Washington Office
State Supt. of Public Instruction
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A SUMMARY OF THE DATA SUBMITTED BY SCHOOL DISTRICTS IN AN ON-THE-PREMISES
SURVEY CONDUCTED BY THE STATE OF WASHINGTON, DEPARTMENT OF EDUCATION
OFFICE STAFF DURING THE SPRING AND SUMMER OF 1966 IN EACH SCHOOL DISTRICT
OF THE STATE WHICH INDICATED A NEED FOR ADDITIONAL FACILITIES BY JULY 1, 1972.

Availability:
Washington State Board of Education
Olympia, Washington
PROCEDURES TO BE OBSERVED IN ORDER FOR SCHOOL DISTRICTS TO QUALIFY FOR STATE PUBLIC SCHOOL BUILDING FUNDS

MISSISSIPPI STATE DEPT OF EDUCATION, JACKSON

PUBLISHED- 65

A LISTING OF, AND AN ELABORATION ON 21 PROCEDURES WHICH SCHOOL DISTRICTS IN MISSISSIPPI MUST OBSERVE IN ORDER TO QUALIFY FOR STATE BUILDING FUNDS.

Availability:

Mississippi State Department of Educ.
Jackson, Mississippi
THE DEVELOPMENT OF FEDERAL, STATE AND COUNTY FINANCE PROGRAMS FOR KANSAS SCHOOLS

KANSAS STATE DEPT. OF PUBLIC INSTR., TOPEKA

PUBLISHED—MAY 62

012 PAGES

DESCRIPTORS—EDUCATIONAL FINANCE, FEDERAL AID, FINANCIAL SUPPORT, STATE AID, STATE FEDERAL SUPPORT, EQUALIZATION AID, SCHOOL TAXES, STATE FEDERAL AID, TAX SUPPORT

This is a brief historical account of the development of federal, state and county school finance programs that have been established in Kansas. (FS)

Availability:

Kansas State Department of Public Instruction
Topeka, Kansas