# [Appraisal of Tenney Building at One Ten East Main Street, Madison, Wisconsin]. 

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August 16, 1976

Mr. Richard C. Glesner
Ross \& Stevens, S. C.
First Wisconsin Plaza
One South Pinckney
Madison, Wisconsin 53703
Dear Mr. Glesner,
With this letter we are transmitting to you the appraisal requested for the Tenney Building at One Ten East Main Street, Madison, Wisconsin.

My associate, K. Edward Atwood, accounting instructor and real estate analyst, and myself inspected the Tenney Building with building manager John Schwab on Wednesday, June 30 , 1976 and we have visited various bank staff specialists on the subject premises many times since. We were provided a monthly accounting history but it was necessary to reconstruct these records in accordance with appraisal methods. We were provided access to all leases and it was necessary to reconstruct actual occupancies and rates for space by relating leases to actual receipts. While many leases represented market rents for space, it was necessary to substitute market rents for actual lease terms for bank occupied space. We have been careful to distinguish among and between land owned and land properly part of the Tenney project, structure, and chattels, but of little income value to a second owner purchasing the property for investment.

Our value assumes a cash sale of the property rather than sale at non-market financial terms extended by the present owner. We have corrected for certain errors in land area allocation which exist on the tax records due to the identical ownership of the Tenney Building and the neighboring First Wisconsin Plaza. These assumptions are necessary to be consistent with Wisconsin Real Estate Tax Law as the purpose of this appraisal is to serve as a basis for real estate tax assessment valuation as of May 1, 1975.

As further explained in the report, the market approach to value and the cost approach to value are inapplicable at the present time to this building. Therefore our estimate is based on the income approach, utilizing somewhat optimistic cash revenue and cash outlay forecasts, specifically the mortgage equity approach as generally approved by Judge George R. Curry relative to valuation of the James Wilson Plaza office building here in Madison in 1974 (specific details provided with in the report).

Based on the assumptions, limiting conditions, and property tax law as presented in the attached report, it is the opinion of the appraiser that the highest most probable price in dollars and fair market value of the subject property, more precisely described herein, which might be obtained as of May 1,1975 is the amount of:

ONE MILLION, ONE HUNDRED AND FORTY THOUSAND DOLLARS $(\$ 1,140,000)$

We are pleased to have been of service and Mr. Atwood and I remain available to answer any specific questions you may have regarding this report. Please give us adequate notice as to date, time, and location of presentations to the Madison real estate tax assessor or related boards.

Sincerely yours,


James A. Graaskamp, Ph.D., SREA, CRE Urban Land Economist
r. Edward Oturood
K. Edward Atwood

Accounting Specialist

Tenney Building
110 E. Main St.
Madison, Wisconsin


Front facade facing southeast from Pinckney and E. Main intersection


Fear facade facing northwest from Webster St, and E. Main St.

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IMV Output \#2
IMV Final Valuation Output \#3

1. STATEMENT OF PURPOSE AND DEFINITION OF VALUE
A. Purpose of Appraisal

This appraisal is requested as a measure of fair market value as of May 1, 1975 to serve as a basis for assessed value for land and buildings in the City of Madison, Dane County, Wisconsin. The controlling statute in Wisconsin is Section 70.32, Stats., which provides in part:
"Real estate, how valued. (1) Real property shall be valued by the assessor from actual view or from the best information that the assessor can practicably obtain, at the full value which could ordinarily be obtained therefore at a private sale."
B. Definition of Value

Such a sale implies another user and not the original owner-builder. "Full value" as that term is used in the above-quoted statute means "Fair market value"; that is, the amount for which the property in question could be sold on the open market by an owner willing but not compelled to sell to a purchaser willing but not obligated to buy. State ex rel. Lincoln F. Warehouse v. Board of Review (1973), 60 Wis., (2d) $84,89$.
C. Date of Appraised Value

The appraised value and methodology utilized to determine that value should provide a consistent method for reappraisal to reflect conditions of refurbishing and improved operations of the office building enterprise on May 1, 1976 and May 1, 1977.
11. DEFIMITIOA OF PROPERTY TO $3 E$ APPRAISED
A. Property Identification

The subject property of this appraisal is the TENNEY BUILDING in downtown Madison, Wisconsin, identified as 110 East Main Street (see Exhibit 1 for location on Madison Square), and more specifically identified for tax purposes as:

Tax parcel number 0709-133-2901-1
B. Legal Description

The legal description of the subject property as provided by attorney Richard C. Glesner of the law firm, Ross \& Stevens:

Exhibit 1


Lots 7 and 8 and the south one-half of Lot 6 of Block 102, Original Plat of Hadison. (See Exhibit 2 and Section IV, A-1 for correction of land area visa vis current tax record which is incorrect relative to above tax parcel number.)
C. Qualification of Property Interests

The appraisal is to include only the real estate interests at the above location and will therefore exclude the value of all personalty subject to the personal property tax whether utilized in general building operations or specialized for tenant leasehold improvements.

## 111. DEFINITION OF FAIR MARKET VALUE APPRAISAL METHODOLOGY

A. General Approaches to Value

The appraisal process would prefer to base valuation estimates on actual sales of comparable property where buyer and seller were under no special duress and where no special financing, not obtainable in the marketplace, was provided by the seller.

1. In Madison there has been only one sale of a structure comparable to the Tenney Building, specifically the sale of the Wisconsin Power and Light Bullding on West Washington Avenue, to Donald Hovde for renovation and remarketing as the Hovde Building. As will be shown this building was in somewhat better condition and was, in fact, a transaction financed originally by the seller.
2. The more recent 1975 sale of 30 on the Square involved not only a relatively new building of comparable size to the subject but was a sale in bankruptcy at judicial sale, November 17, 1975, by James Bloor, reorganization trustee, representing the U.S. District: court for the southern District of New York State. Thus the sale was under duress and in addition, included a favorable $6 \%$ mortgage with 15 years to run, thus violating both conditions of a fair market transaction.
3. The subject property itself was purchased by The First Wisconsin Bank Corporation, which was under duress to extinguish certain easements to the benefit of the Tenney Building which made construction of the new First Wisconsin Bank Plaza Building on the balance of lot \#102 impossible. This sale of the Tenney Uuilding was admitted by both the Madison Assessor and the grantor and grantee to be a nonmarket transaction in certiorari in Dane County Circuit Court and under the decision of Judge George R. Currie in case \#140-201, Wild, Inc., the relator, relative to the office building known as James Wilson Plaza.

Therefore, application of the market approach is limited by an absence of sales which meet the test of freedom from duress, freedom from nonmarket financing terms offered by seller, as well as reasonable comparability. An effort will be made to adjust these

sales to provide a rough benchmark of market value (see Section V), but a more appropriate appraisal methodology in this case would be the income approach.
B. Relevance of Income Approach

An office building is a vehicle for purchase of investment income and appreciation, not unlike any other cash cycle investment with a series of returns. The relationship of outlays and receipts in time and quantity determines investor rate of return. Conversely, if the investment return desired is assumed and net receipts can be estimated, the relationship can be reversed to determine the maximum outlay, i.e., probably purchase price, which could be justified by the investor.
C. Legality of Income Approach

The Wisconsin Supreme Court generally prefers the price determined from fair sale of comparable property as the best approach to fair market value, but where the fair market value is not established by a sale or sales of the property under consideration for similar property, the assessor is required to consider all the facts and circumstances which have a bearing on the property's fair market value including occupancy, rental conditions and income.

1. The Supreme Court of Wisconsin has stated:
"If income be considered and the capitalization-of-income the formula be applied, net income, not gross income should be considered."
2. More recently in Dane County Circuit Court, Judge George R. Currie instructed the City of Madison Board of Review in Case \#140-201, Wild, Inc., the relator, relative to the office building VIP Plaza, as follows:
"The Property Assessment Manual for Wisconsin Assessors published by the Wisconsin Department of Revenue states (at p. 29), that for "Apartment Buildings", "Office Buildings", and "Store Buildings", the "Income Approach" to valuation is the "most applicable" where actual sales data of the property or comparable property is unavailable. This manual is issued pursuant to sec. 73.02 (2a), Stats., and is for use of assessor in assessing real property. "
"The use of an income approach to valuation in arriving at the fair market value of property has often been approved by the Wisconsin Supreme Court. State ex rel. Garton Toy Co. v. Hosel, supra, 259; State ex rel. I. B.M. Corp., supra, 311-313; Rahr Malting Co. v. Manitowoc (1937), 225 Wis. 401, 405; State ex rel. Horthwestern Mutual Life Ins. Co. v. Weiher, supra, 450.
\& "Moreover, it must always be kept in mind that in attempting to arrive at the fair market value of real property for tax assessment
purposes the yardstick is the amount for which the property could be sold on the open market by an owner willing but not compelled to sell to a purchaser willing but not obligated to buy. In purchasing an investment property, such as the V.l.P. Plaza or el Esplanade, the prospective purchaser-investor will expect a fair return on his investment and is sure to be more interested in the potential income of the property than the cost of its brick and mortar. This is equally true whether he is purchasing a completed building or one only half completed."
D. Limitations of the Cost Approach

The cost approach to value is limited to those situations where improvements are new and represent the optimum use of the site in question. The subject property was built in 1928, its equipment is obsolete, and its layout does not lend itself to efficient modernization. As the income approach will reveal, the building as presently constituted barely provides a return on the land values.
E. Income Approach Methodology Selected

The income approach selected assumes the fair market value of the property is the most probable price the subject will bring if offered in the marketplace as an investment property for a reasonable period of time and sold subject to financing terms typically available for such age investor at the time of sale.

1. Income Approach Techniques

The investor will purchase the project for cash income as a return to his own cash invested plus a deferred cash return to be realized upon sale from equity accumulation attributed to amortization of mortgage debt, to an increase in cash earnings from building due to effective management and marketing, and possibly due to general inflationary price increases. Cash returns are therefore not level but will vary from year to year, hopefully increasing as certain current problems in building management and marketing are corrected. A variety of assumptions will need to be made for revenues and expenses as well as future resale values.
2. Income Tax Impacts on Purchase Price

Many real estate decisions are influenced by federal income tax status of purchasers. Should the purchaser be tax exempt, such as a pension fund, it would view the building without regard to tax shelter but might require an overall lower rate of return, say $8 \%$ cash-on-cash and $10 \%$ overall return to its equity dollars. It would, however, need to hire property management. A private investor will be influenced by his Federal Income Tax status but not to the degree supposed by the layman. For office buildings such as the subject property, the lRS rules limit second owners to a straight line depreciation method only;
moreover, there is full recapture of depreciation shelters in excess of straight line for additional capital improvements made by the second owner. Thus, the owner would seek $12 \%$ cash-on-cash plus $3-6 \%$ from equity accumulation.
3. Appraisal System Selected

To discount the cash flows from earnings and resale to both a tax exempt or a taxable purchaser, a computerized system has been selected called Investment Harket Value. This system is available in the library of EDUCARE network, a computer timesharing service operated for and under the control of the three leading appraisal organizations, The American Institute of Real Estate Appraisers, The International Society of Real Estate Appraisers, and The American Society of Real Estate Counselors.
4. Discounted Cash Flows

The lMV system utilizes a discounted cash flow system which will reflect the proportionate interests of those financing purchase, the municipality seeking its prorata share of economic productivity, and the cash and reversion returns to the ownership position after prior claims of real estate taxes and mortgage lenders have been met. The system provides values on both a before and after tax basis to the ownership position.

## IV. PHYSICAL ANALYSIS OF SUBJECT PROPERTY

The market value of the project depends on comparability to substitute cm parable investments or the income investment productivity which can be attributed to the interrelationship of the physical site and improvements, both existing and with modifications if necessary. I In analyzing the subject property it is useful to review the physical attributes of the site and improvements, the legal attributes constraining use of the parcel, the linkages of the property location to generators of office and retail demand which will determine its revenue potential, and the dynamic attributes of the site, that is, how people perceive and behave relative to the property.
A. Physical Attributes of the Site

The subject property is located on the northeast corner of East fain and South Pinckney Streets, extending through to Webster Street on the east as identified on the general area map of Exhibit 1 and dimensioned on the parcel map of Exhibit 2.

1. Area

All of Block 102 is presently owned by the First Wisconsin Development Corporation but the 87,120 square feet must be allocated between the Tenney Building and the First Wisconsin Plaza. City tax records indicate 10,582 square feet are allocated to the Temey Building tax

parcel. However, the Tenney Building parcel should include Lot 8, $66 \times 132 \mathrm{ft} .$, fronting on S. Pinckney Street, plus Lot 7 plus
33 ft . of Lot $6,99 \times 132 \mathrm{ft.}$, fronting on Webster Street, less 165 sq. ft. which is part of the vest pocket park attached to the First bisconsin Plaza. This area totals $21,615 \mathrm{sq}$. ft. In addition, the Tenney Building Site enjoys the privilege of certain vaulted spaces below the sidewalk of East Main Street (transformer vaults and storage) and on the South Pinckney Street frontage (boiler room and related storage), totaling approximately $1600 \mathrm{sq} . \mathrm{ft}$.

THIS APPRISAL ASSUMES THAT IF THE TENNEY BUILDING PARCEL WERE SOLD ON MAY 1, 1975, IT WOULD INCLUDE A SITE AS DESCRIBED OF 21,615 SQ. FT. AND THAT TAX ASSESSMENT RECORDS FOR THE PARCEL NUMBER WOULD BE CORRECTED ACCORDINGLY.

## 2. Topography

The Capitol Square area is a hill between Lake Mendota to the north and Lake Monona to the south. The hill drops sharply to almost lake level within three blocks of the Square, giving prominence to the Capitol and major business buildings at the city's center. Accent on this elevation is strengthened by controls on building height within a mile of the Capitol. (See Section B-1 on Legal Attributes of Site)

The subject site (see Exhibit 3) slopes from Pinckney to Webster approximately 8 feet so that the main lobby on the East Main Street side is approximately three feet below the main floor level opening on Pinckney Street and there is no at-grade entrance to the parking lot at the rear of the site. Indeed, the original designers of the building were unable to provide an adequate loading dock to the former alley so that all materials for building operations must arrive through the front lobby or through a sharply pitched ramp and stairs dropping some eighteen feet to the second sub-basement. This next entrance can be reached by truck from parking lot opening on Webster.
3. Soils

Soil conditions are essentially sandy loam and very suitable for high rise construction.
4. Sewer Service

There is an 8-inch sewer main on East Main Street and a new 6-inch lateral to the subject property to replace sewer and storm water lines that were in an alley easement vacated to permit construction of the First Wisconsin Plaza. There is a single 4 -inch water line serving the subject property from East Main Street.
5. Storm Water Access

Reference to Exhibit 3 will indicate newly laid storm water lines and catch basins serving the pocket park, existing building, and
temporary parking facility with 8 -inch lines to a catch basin at the southeast corner of the parcel and connected to storm water collector on East Webster Street.
6. Other City Services

The tax parcel receives city of Madison fire and police protection and city maintenance and plowing of sidewalks, 11.5 ft . wide on East Main Street, and 13 ft . wide on South Pinckney Street.
7. Special site Improvements

In addition to the Tenney Building which occupies ground area of $65.6 \times 155 \mathrm{ft}$. plus a service area of $22 \times 18 \mathrm{ft}$., or a total of (10,548.5) sq. ft., there is a temporary parking lot for 27 cars which is approximately $110 \times 99 \mathrm{ft}$. or $10,890 \mathrm{sq}$. ft . Approximately 176.5 sq . ft. are part of a paved walkway serving a fire exit as No - noted in Exhibit 2 . The parking lot is screened with a hedge of honey(Whckle shrubs and honey locust trees within a 6 -inch concrete curbing. The parking lot is temporary according to terms of conditional use permit discussed under legal attributes.

The vest pocket park adjoining the Tenney Building is part of the First Wisconsin. Bank Plaza Building. There is no access to this mall from the Tenney Building except for the emergency exit fire door at the rear of the mall.
There is an electrical transformer vault below the sidewalk on East Main at the rear of the building and additional storage vaults below the sidewalk for a width of 10 ft . and a distance of 132 ft . to the corner of the building at East Main and Pinckney Streets (see Appendix $A$ ). These vaults encroach on the City of Madison right-of-way by privilege of the City Council and no rents are paid. The city engineering office indicates that the ceilings of these vaults and the sidewalks above will need to be reinforced or replaced within the next two years.
B. Legal-Political Attributes of Site

The subject property is zoned $C-4$, Central Commerical District. This district is intended to accommodate uses which are of city-wide, regional, or governmental significance. In addition, retailing and specialized commerical activity such as restaurants are appropriate. All new construction and any major alteration of an exterior building face must be approved because of the community's objective to develop and maintain this district as a community and state-wide center for business, service and government. However, broad zoning or permissible uses under $c-4$ will be modified by a variety of statutory and administrative factors peculiar to downtown Madison at this time.

1. Capitol View Preservation

According to Section 28.04 (14) (B) of the Madison General Ordinance: All buildings or structures erected, altered or enlarged shall be
subject to the following regulation:
No portion of any building or structure located within one mile of the center of the State Capitol Building shall exceed the elevation of the base of the columns of the Capitol or one hundred eightseven and two-tenths (187.2) feet.

This subsection was established to preserve as well as to promote and enhance the view of the State Capitol Building. The Tenney Building roof is just within the elevation limit but elevator housings encroach on the Capitol view zone to a height of approximately 204 feet.
2. Madison Planning Commission

Any new construction or any major alterations of the exterior face of the buildings located downtown, shall be permitted only when approved by the Madison Planning Commission.
3. Capitol Concourse Project

The City of Madison is attempting to refurbish the retail core area of downtown Madison with a combination of actions which may be called The Capitol Concourse/State Street Mall project. The general plan in Exhibit 1 is further detailed in Exhibits 4 and 5. As downtown property owners are expected to finance the major portion of public cost through special assessment, major plans have been compromised to a reallocation of street area into landscaped pedestrian areas with reduced traffic or some auto free zones, augmented by public transit and shuttle bus service. Presumably these steps will increase commercial activity, partly at the expense of modern, existing suburban shopping centers, because of improved sensitivity to the pedestrian, improved aesthetics, and a reduction of air and noise pollution. Phase I has already altered some traffic patterns to provide a bypass loop around the Square for traffic formerly entering from East or West Washington Avenue and elsewhere. Sewer construction and the threat of special assessment has already accelerated withdrawal of some retailers from the Square as their circumstances permitted. These current retail vacancies are noted on Exhibit 7. At this time it is not clear that the Concourse Plan will improve the investment value of the subject property.

The Capitol Concourse project will be financed by a special assessment prorated by land area and divided between two starting dates. At this time John Urich of the City of Madison Planning Department indicates that the special assessment prime rate will total 2.13 , and according to present contract schedules, partial prime rate of $\$ .88$ per sq. ft. will be payable in fiscal year 1977 and the balance of $\$ 1.24$ will be payable in 1978. This total assessment can be amortized by the taxpayer with 10 annual payments at $8 \%$. The prime rate applies to a district 137 ft . deep from Pinckney Street while the balance of the

## Exhibit 4



Long range proposals which cannot be assigned a time frame at this time include: 1 . Performance plaza with its parking ramp, low-rise residence and shopping arcade, 2. Library Mall and a one story parking deck below grade and, 3. Eventual "back door" service provision for the north frontages of the 500 and 600 blocks of State Street.

Construction costs were determined by estimating 1974 figures for Phase I, adding escalation, and extrapolating these costs to the Phase II and III areas. The schedule shows $\$ 550,000$ for the 700-800 block, and $\$ 320,000$ for the 100 block, totalling $\$ 870,000$ for Phase I, $\$ 5,400,000$ for Phase II, and $\$ 2,200,000$ for Phase III, totalling $\$ 8,470,000$. The overall costs break down to $\$ 10.50$ per square foot and $\$ 740.00$ per linear foot. These unit costs compare well with other malls of this type with partial or full canopies. In view of the present monthly escalation of construction costs of $1.5 \%$ it is critical that the schedule be maintained to achieve the budget goals.


## Exhibit 5



## Parking

The plan's recommendations for parking are to be viewed as a strategy for attaining a comprehensive offstreet parking program. Proposed is one approach - a program of enlargement of the existing public parking space pool. Surface lots would be expanded in the following locations: Buckeye Lot - 58 cars; Madison Motor's property - 119 cars; Lake Street ramp extension - 117 cars. Total space to be provided will be 294 cars, which represents 211 additional parking spaces for the downtown when the existing 83 State Street curb spaces are removed. Acquisition and site improvement costs for the Madison Motor property and that adjacent to the Buckeye Lot is $\$ 850,000$. Money presently is budgeted by the parking utility for purchase of the Lake Street expansion site. Therefore, no charge will accrue to the project for this improvement.

Temporary parking would be provided in the cul-de-sac streets, with the exception of Frances Street, during the initial phases of the project. A total of 150 such spaces can be provided at virtually no cost. They will minimize disruption, assist in the transition period when on-street parking is removed, and later revert back to a pedestrian and service function.

An alternate approach would be the coordinated development of the many small surface lots in private ownership. This would require commitments and cooperation among businesses and owners to share parking use of the lots and action by the city to acquire public easements for access and provide public services. The organization of these parcels by the Central Madison Committee or other business groups represents one opportunity to contribute to the project by defraying its total cost. Public and private sector partnership is critical to the success of this approach.

Long-range recommendations for a parking ramp to be constructed in conjunction with the future University Library Mall will accommodate 165 cars, or about 50 more than those to be removed from Murray Street and the Student Union Lot. The deck proposal in the 400 block area will hold 135 cars and serve the new shops, housing, and performance plaza, as well as that section of State Street where present parking is least adequate. Estimated cost is $\$ 4,000$ per space or $\$ 540,000$.

A future bus terminal site at West Dayton and South Henry Streets is now under consideration by the City. Parking provided at the terminal also will serve the Art Center and Auditorium during off-peak hours. The number of spaces to be provided is as yet undetermined.

$$
30012.13=639
$$

block or 127 ft . to Webster will be assessed at $30 \%$ of the prime rate. Thus the partial rate for the secondary districts will be $\$ .26$ per sq, ft. in fiscal year 1977 and $\$ .37$ in fiscal year 1978. The Estimated annual amortization payment for contracts 1 and 2 of Phase 11 , and the annual payments by the Tenney Building for assessment on contracts 3,4 , and 5 are calculated below:

$$
\begin{aligned}
(.88 \times 1) \times 33 \times 2 \times 137 & =9,042 \text { sq.ft. } \times .88= \\
(.88 \times .3) \times 33 \times 3 \times 127 & =\frac{12,573}{} \text { sq.ft. } \times .88 \times .3=\frac{\$ 3,319.27}{\$ 11,276.23} \\
\text { Tax Parcel Totals } & =21,615 \text { sq.ft. }
\end{aligned}
$$

Total assessment converts to $\$ 1,680.49$ for 10 years at $8 \%$ starting fiscal year 1977
$(1.24 \times 1) \times 33 \times 2 \times 137=9,042$ sq.ft. $\times 1.24=\$ 11,212.08$
$(1.24 \times .3) \times 33 \times 3 \times 127=12,573$ sq.ft. $\times 1.24 \times .3=\$ 4,652.01$
Tax Parcel Totals - 21,615 sq.ft. $\$ 15,864.09$
Total assessment converts to $\$ 2,364.22$ for 10 years at $8 \%$ starting fiscal year 1978

To encourage pedestrian activity and movement on the completed Concourse, John Urich of the City of Madison Planning Department has indicated his department will attempt to discourage by administrative review and, if possible, by new ordinances, the use of ground floor space for private office facilities. Restaurants, banking tellers, retail stores, theaters and the like will create the desired pedestrian activity over broader spans of day and night than office space. Thus there is an administrative constraint of alternative uses of the street level floor area of the subject property if it were not used for retail.
4. Conditional Use Permit for Parking

The surface parking for 27 cars presently provided on the East Main and South Webster corner is based on a conditional use permit which would expire should it not be used for parking for a period of six months. It was issued as part of the construction permit requirements relative to the First Wisconsin Plaza and might require renewal should the subject property be sold to a third party unrelated to the bank. City planners would prefer enclosed parking on the approaches to the Concourse.
5. Tenant Lease Encumbrances

The majority of leases for space in occupied areas of the Tenney Building (see Exhibit 12) can be terminated in one or two years.

The present owners have been undecided for several years as to whether to tear down the existing building and replace with an extension of the First Wisconsin Plaza, to refurbish the building as an alternative as rental investment property, or to sell the building as is. In the latter case a possible buyer would be either a developer who would like the freedom to move tenants around as remodeling progressed or a government agency which would evict most tenants and convert the building to government offices. The price of these short term leases will be higher tenant turnover and unstable income estimates which would suggest higher capitalization rate and lower investment values. On the other hand, the relative freedom to alter occupancy and rate would make the building more marketable to its most probable buyers. It is unusual to have an office building of this size with such a short average unexpired lease term, providing flexibility but highly unstable rent roll.

## C. Linkage Attributes of Site

The subject site has strong linkages to government centers: It is directly across the street from the State Capitol Building, along two blocks to the Federal Court House and the City-County Building, and just to the rear of a State Office Building complex, GEF-1 and a proposed GEF-2, each of which occupy a square block. However, access by auto is circuitous and will be further impared by the proposed Capitol Concourse plan (see Exhibits 4 and 5). The driver unfamiliar with Madison will circle the Square on the outer one-way link rather than turning on the stop light at the Blair street and then turning right on Main Street to reach the main entrance of the subject property. See Exhibit 6 for auto and pedestrian traffic counts prior to reversing one-way streets around Square.

On the same block the Tenney Building enjoys the positive influence of the dramatic First Wisconsin Plaza and a contiguous vest pocket park. Across the street is the handsome Capitol building andheavily wooded park. Unfortunately, the East Main Street facade faces an area of seedy bars and poorly maintained low rise buildings from the turn-of-the-century. The first block on East Main Street is anchored by Penny's and Kresge's and is a moderately viable area. Nevertheless the retail trend is to gravitate toward the opposite side of the Square on the State Street access while most new office space is on the West Washington Avenue side of the Square. (1t's strongest linkage is to the First Wisconsin Plaza but this natural tie is completely frustrated by the physical layout of the Tenney Building, which lacks a cross access corridor in the bank building which would permit people to move between the buildings while remaining inside.
D. Dynamic Site Attributes

The subject property is at the foot of a long two block run of East Main Street so that the building is in direct view of drivers for some

time. Surveys have shown that most Madison residents can identify the corner and the Tenney Building from recollection. It is located in an area of the Capitol Square and perimeter street which is fall so that pedestrian on foot does not face an uphill grade but the entrance to the building is not on the Square and is hidden from the Square, 3 to 4 feet below grade.

Because the First Wisconsin Plaza slopes back from the street and is only four stories high opposite the Tenney Building, the latter is fully visible to the pedestrian anywhere on Pinckney Street. Fortunately these facades were constructed of glazed brick above the fourth story level so the appearance of the Tenney Building is clean even if out-ofdate.
E. Physical Attributes of the Structure

The Tenney Building was constructed by the Findorff Company as general contractors in two sections in 1926-1928 and 1929-1931. Concrete structure for the rear portion was constructed for all ten floors and then the front two-thirds was built of reinforced concrete. The result is a structure 65 ft . wide and 154 ft . long plus a small wing ten floors high $22 \times 18 \mathrm{ft}$. The exterior is cut 1 imestone on the Main and Pinckney Street facades, with green glazed terra cotta as spandrels below the windows. Parapet walls are highlighted with triangular light brackets in what might be termed the Art Deco style of commercial building design in the late 20 's. Rear facades are done with glazed yellow brick. Complete floor plan sketches are provided in Appendix A, and general mechanical details follow:

## 1. Fenestration

First floor retail windows and entrances were redone in 1972 with bronze anodized, Kewaneer systems and plate brass. The second floor and above still retain a $6 \times 4$ pane steel industrial sash. Each $4 \times 4$ panel titis inward to permit washing from within the building. Single-glazed, these windows are relatively inefficient as to heat loss characteristics.
2. Interior Partitioning

Most interior office partitions are of Pyro-Bar gypsum block or terra cotta block with plaster finish. Most doors and trim are of dark stained and varnished walnut and oak. Only recent partitioning is of $2 \times 4$ and drywall and modern hollow core doors.
3. Floors

Most floors are terrazzo in public areas; some basement storage space has composition tile, while tenants have generally chosen to carpet.
4. Heating System


Heating system depends on hot water radiators, each of which has its own thermostat. Most are manual but a few deluxe tenant layouts have added individual automatic thermostats to their radiators. Much of the mill work at window sill level has been expertly joined to provide access to radiators behind finished grill work. The oil fired boiler can be described as:
a. Kiwaunee Boilers, 2-55 horse power, low pressure of 6 lbs., approximate age - 45 years, standard - FE 143.
b. There are 3 Ray oil burners - one for stand-by.
c. Boilers were completely overhauled 8 years ago.
d. Fire pots and burners were overhauled 2 years ago.
e. $0 i 1$ storage $-15,000 \mathrm{gals}$. of No. 2 oil.

Related heating equipment includes:
a. A Bock 200 gallon hot water heater, gas fired, approximately 15 years old to provide hot water for washrooms.
b. There are two antique. 150 gallon water softeners of a brand unknown even to the building engineer of the past 15 years. Each alternates to deliver soft water while the other is in the recycling process. Only the hot water is soft water but cold water resupplies to the furnace are chemically treated.

## 5. Air Conditioning

There is no central air conditioning and individual tenants provide their own with window air conditioning or small ceiling units with their own distribution system. This is a serious competitive disadvantage relative to renovated structures of similar age such as the Hove Building or the Insurance Building.
6. Elevators

There are three 2500 lb. capacity Montgomery elevators which are manually operated. One elevator is a service elevator with front and rear access in order to reach basement floor maintenance area, a sub-basement storage area, and the boiler room area. These subbasements are at various levels requiring three additional stops for the service elevator.

The present owner has secured estimates to automate the two single door, passenger elevators for $\$ 135,000$. The industrial commission will permit the building to retain the ornate bronze elevator doors
on the first floor but would require replacement and reconstruction of obsolete glass doors on all other stops. As will be shown, such renovation would achieve significant payroll economies.
7. Fire Exits

Reference to Appendix A will indicate that on the second floor, one of the fire stairs terminates in a long fire tunnel and stairway to rear fire exit in order to preserve all of the front portion of the first floor for unobstructed retail use. From the third to the tenth floor, the pattern of corridor and fire exit is more consistent with office layout efficiency.

## 8. Restrooms

The building has a convenient and well maintained set of restrooms. The basement floor has one set for maintenance personnel and another for employees of the large retail center for the first floor of the building. There is a third for the public on the basement elevator lobby to serve those using basement office rental space or those entering main floor lobby. The main floor has no facilities for the two small shops facing Main Street. Each floor from second through tenth has a single washroom with three water closets and two sinks, with two urinals in each men's room. All restrooms above grade have window ventilation. In addition, there is a large maintenance room with sink on each floor except the first.
9. Special Features

The second through the tenth floors do offer sufficient head room to permit modern ceilings, lighting, and air distribution systems on a floor-by-floor basis, together with adequate service space to contain air conditioning equipment. All retail shops open at grade at the cost of variable ceiling heights for basement areas in southeast corner of building. The straight-lined limestone exterior blends well with government architecture on the Square although it is a sharp counterpoint to adjacent Bank Plaza. The building has been well maintained and managed over the years so that it has a good image on the market, with most vacancies explained by the transition of bank operations of its present owner from the Tenney Building to the Plaza. Elevator lobbies are spacious and corridors remain reasonably bright due to design preference for opaque glass panels and doors for office layout in the 1930's. Many corridor walls feature marble wainscoating.
F. Market Demand for Tenney Building Location and Facilities

In May of 1975 the demand for retail space on the Square had crumbled as suggested by the map and chart of vacant first floor retail areas in Exhibit 7. However, the first floor retail space of the Tenney Building was comparatively clean and modern in terms of ceilings, floors, and


## Exhibit 7a

FIRST FLOOR RETAIL VACAICIES OH THE SQUARE
EXISTIHG OR KHOWI TO BE AVAILABLE
As of llay 1, 1975

Building
1 Volff Kubly Store
2 Hanchesters Home Store
3 Emporium (2 top floors)
4 Jackson Building
5 Karstens
6 Card Shop
7 simpsons
8 Tenney Building
9 Concourse Hotel

## Address

20 N. Carroll
$18 \mathrm{~V} . \operatorname{llifflin}$
50 E. Hifflin
102 N. Hamilton
18 H. Carroll
21 N. Pinckney
23 N. Pinckney
21 S. Pinckney Mo
I W. Dayton
Total Square Footage

Approximate Square Footage
6,000
7,920
24,000
3,000
$7,920(66 \times 120)$
$2,640(22 \times 120)$
$11,880 \div(99 \times 120)$
6,000
8,000
82,360

## Exhibit 8

DOWITTOVN OFFICE SPACE (FULL SERVICE)
As of llay 1, 1975

Building
Class A

CIII

Class B

| Hew AMA Bldg. | 27,000 | 6,800 |  | 5.00 |
| :---: | :---: | :---: | :---: | :---: |
| 1 BH | 18,000 | 18,000 | (pending) | 7.00 |
| Churchill | 36,000 | 4,000 |  | 5-6.25 |
| First Fed. S \& L 202 stat | 13,000 | 850 |  | 6.00 |
| E. Esplanade | 33,400 | 0 |  | 5-6.00 |
| Conmercial St. | 21,000 | 3,000 |  | 4.50 |
| 30 on the Square | 65,700 | 6,000 |  | 6.50 |
| 102 II. Hamilton | 23.000 | 23,000 |  | 1.00 (triple net) |
| Tenney Bldg. | 76,000 | 25,000 |  | 5.50 |
| Cantwell Bldg. | 16,780 | 800 |  | 6.50 |
| Insurance Bldg. | 12,000 | 1,900 |  | 5.00 |
| $\wedge f f$. Bank | 44,000 | 0 |  | 5.50 |
| Trefall | 7,300 | 275 |  | 5.00 |
| Prov. 5 \& L | 15,600 |  |  | 5.50 |
| Lorraine llotel | 105,000 | 0 |  | 5.00 |
| lovde Building | 67,000 | 1,500 |  | 6.00 |
| Total | 616,280 | 91,125 |  |  |

United Bank Building

First Visconsin Bank
Anchor $S$ E L
James Wilson Plaza Total
158,570
60,000
104,000
350,000
54,000
98,000
324,570
tional Guardian

- $\quad \sqrt[724,570]{425}$

| 36,000 | 8.00 |
| :---: | :--- |
| 0 | 6.75 |
| 34,000 | $8-9.00$ |
| 34,000 | 8.25 |
| 300 | 6.00 |
| 32,000 | 7.50 |
| 136,800 |  |

## Vacant Space

Rental
Total SQ. FT. Het

Typical base rent prior to modification by escalators, price indexes, or other prorata charges unique to each building and depending on negotiation power of tenants. Hever spaces include up to $\$ 4$ per sq.ft. allowance for tenant improvements; bank buildings $\$ 6$ per sq.ft. for unfinished space allowance.
window area (which would not require special displays), and it is highly visible to automobile and pedestrian traffic approaching on East Main Street and waiting for the stoplight at the intersection of Main and Pinckney. The two small retail areas east of the entrance were of marketable size, with $1000 \mathrm{sq} . \mathrm{ft}$. for the larger and 454 sq . ft. for the smaller unit, but the large block of 5500 sq . ft. could not be evenly subdivided as there was a single entrance facing Pinckney Street and the falling grade on Main Street would make a second entrance structurally difficult.

Full service downtown office space in B Class buildings in the Capitol Square area of Madison also appeared to be in excess of demand. However, the major blocks of space were the result of I.B.M. moving to its new office building and the First Wisconsin Bank relocating to its new plaza. In fact, most real estate people were anticipating a shortage of B Class space because state government office needs near the Square were continuing to rise and because Class $B$ rents were competitive with rents in suburban low rise, scattered site office buildings. In several cases, such as Affiliated Bank and Providence Savings and Loan, the institutional owner was displacing its tenants as their leases came up for renewal.

Thus Class B office space, with some modernization, was likely to be in short supply by 1976, unlike the significant vacant space available in Class A buildings. Only where rents approached $\$ 7.25$ or fell below $\$ 4.75$ did supply significantly exceed demand. (See Exhibit 8)

Windowless storage space that was clean, dry, and easily accessible was also in short suppy in the Square area in May of 1975 and the Tenney Building could offer large amounts of such space, much of it already partitioned on the first basement level.
G. Most Probable Use of Site and Structure

Review of the market for Class B office and retail space, inspection of the existing Tenney facilities, and analysis of its suitability for modernization, and study of subject property site characteristics leads to the conclusion that the most probable use of the property as of May 1, 1975 was its continued use as an office building for rental income.

Most probable buyer of the building in its May 1, 1975 condition would be a professional developer capable of instituting a refurbishing and modernization program together with a leasing program which would extend the average term and average price per square foot of space significantly.
V. MARKET COMPARISON APPROACH TO VALUE

The preferred method of appraisal in the Wisconsin system is inference of value of the subject property from actual sales of comparable property where neither buyer nor seller were under duress and both parties were knowledgeable as to future uses of the property. Office buildings of the size and age of
the subject parcel seldom sell in Madison but there are several sales which have relevance if not a direct focus on the present appraisal problem.
A. The Hovde Building - 122 West Washington Avenue (See Exhibits 7 and 9)

## 1. Background

This office building with 67,000 sq. ft. of leasable area was built in 1927 and was owned and occupied by the Wisconsin Power and Light Company. The Power Company gradually reduced the space leased to other tenants as its own space needs grew; it sold the building when its own offices were relocated to the United Bank Building directly across Fairchild at 200 West Washington.
2. Price and Conditions

The building sold to realtor-developer Donald Hovde for $\$ 800,000$ in July of 1972. The Power Company provided some financing but exact details are not known. The Power Company leased back the highceilinged, big bay structure, once a Greyhound bus station, located to the rear of the Hovde Building as garage space for its motor pool.
3. Location

The corner site of West Washington and Fairchild is one block west of the Capitol in the center of an office building district including state offices across the street, the United Bank Building, and a variety of smaller structures. It is two blocks from the CityCounty Building and one block from the proposed Federal Building. In short the site is as desirable as the comparable site of the Tenney Building. It does not go through to Mifflin but it has 20 basement parking spaces which are not subject to conditional use permits.
4. Mechanical Conditions

At the time of sale, the building had two passenger and one freight elevators which are still manually operated by a staff of operators and maintenance people. No major work was done on existing boilers. However, the building had only a few window air conditioning units on an irregular pattern and an old style partitioning system and layout which was scrapped. Thus mechanically the Hovde Building at the time of purchase in 1972 was highly comparable to the May 1 , 1975 condition of the Tenney Building.
5. Remodeling

The purchaser found it necessary to provide central air conditioning for every floor, provide a new suspended acoustic ceiling and lighting system in all rentable areas, repaint, carpet, and then accommodate new tenants with drywall on steel stud partitions. The building was rented at $\$ 5.75-6.25$ per sq. ft. with escalators and tenant

A. Ilovde Building

122 TV. Washington Ave.

B. 30 on the Square

30 (5.) Nifflin St.

C. Ioraine Hotel

123 W. Washington Ave.
improvement allowance and was virtually fully occupied by May of 1975.
6. Comparability

In terms of location, amount of Class B rentable area, and general condition the Hovde Building is a comparable sale. The Power Company was a knowledgeable seller, under no financial duress. There is no evidence that favorable financial terms were offered to inflate the sales price. Certainly the subsequent refurbishing and marketing program indicate the motivation and purposes of the most probable buyer type to consider purchase of the Tenney Building in May of 1975.

## 7. Price Comparison

The raw purchase price of $\$ 800,000$ divided by net leasable area of $67,000 \mathrm{sq}$. ft. indicates a raw price of $\$ 11.94$ or approximately $\$ 12$ per sq. ft. leasable. The developer estimates that he spent $\$ 12$ per sq. ft. to restore the building, Reference to Exhibit 10 indicates that with full occupancy and after remodeling it was assessed by the city at $\$ 15.74$ per sq ft. on May 1, 1975, more than $\$ .38$ below the assessed value of the Tenney Building with substantial vacancies and no refurbishing! If nothing else, this comprable underscores the inequity of the present assessment on the Tenney Building.
B. 30 on the Square (See Exhibits 7 and 9)

1. Background

30 on the Square was built in 1965 as a 10 -story office building on a $66 \times 132 \mathrm{ft}$. site. On the corner of Mifflin, North Carroll, and State Street, across from the Capitol Building, it offers first class retail space but the developer failed to exploit his location by leasing both retail and office space at too low a rate. Building systems and detailing were selected for first cost efficiency and the building was not a financial success. It was known to be for sale for several years but it was finally sold at a judicial sale and public auction on November 17, 1975 by James Bloor, as grantor and trustee in bankruptcy representing the U.S. District Court for the Southern District of the State of New York.
2. Price and Conditions

The successful bid price by Gordon Rice, of the Madison development firm of Executive Management Inc. as agents for others, was $\$ 250,000$ and assumption of the existing mortgage of $\$ 1,088,000$, at $6 \%$ interest for 15 years. There were other bidders at the judicial sale from Madison, Wisconsin, so that it is unclear as to whether this is a sale under duress or a market transaction. Certainly a premium was paid to obtain a $6 \%$ interest, 15 year mortgage, at least $3 \%$ below the best

Exhibit 10
SEVEN COMPARISONS OF ASSESSED VALUES FOR CLASS B HIGH RISE OFFICE BUILDINGS IN MADISON, WISCONSIN AS OF MAY 1, 1975

Building
Hovde Building 122 W. Washington Key: 0709-231-0913-0

First Wisconsin - Univ. 905 University Ave.
Key: 0709-232-0716-6
Tenney Building
110 E. Main Street
Key: 0709-133-2901-1
Lorraine Hotel
123 W. Washington Ave.
Key: 0709-231-1006-2
Madison Medical Center 20 S. Park St.
Key: 0709-233-0201-5
American Automobile Assoc. 438 W. Washington Ave. Key: 0709-231-2215-3

30 On The Square
 Land \& Improvement Area

67,000

29,000
23.28
11.97
25.09
22.48
17.31
available rates in November of 1975. In addition the buyer paid $\$ 5000$ to Northwestern Mutual for assumption of a mortgage and certain other fees as a condition of the bankruptcy sale. Closing was delayed until January of 1976 at which time the mortgage balance was $\$ 1,064,519$, which added to $\$ 250,000$ equity and $\$ 7500$ in fees provides a raw purchase price of $\$ 1,322,019$. To reduce this to an equivalent cash price it is necessary to compute the present value of monthly savings and debt service for 180 months.

Monthly debt service at $9 \%$ for 180 months $=\$ 10,797.00$
Monthly debt service at $6 \%$ for 180 months $=\$ 8,983.00$
Debt service difference on $\$ 1,064,519$
$\$ 1,814.00$

Present value of $\$ 1,814$ per month for 180 months assuming an equity cash return of $12 \%$ is $\$ 151,145$. That is the justified premium paid for financing so the equivalent cash price for the real estate would be $\$ 1,170,874$; there are $65,720 \mathrm{sq}$. ft. of net leasable area suggesting a price per sq. ft. of leasable space of $\$ 17.82$.

## 3. Location

Compared to the Tenney Building the 30 on the Square Building has a superior retail location as it is on the keystone corner of the State Street and Capitol Concourse program. It is a key location for the Madison bus transit system. Its access is worse for maintenance, materials and service than the Tenney Building, and the lobby for the office elevators is poorly secured and subject to vandalism. The site provides no parking but tenants can use underground parking complex with the adjacent Concourse Hotel. Office space is comparable to the Tenney Building in terms of linkages to Capitol, Courthouse, and financial areas and somewhat superior in terms of linkage to downtown hotels, West Washington Avenue development, and viable retailing.

## 4. Mechanical Conditions

At the time of sale the building has two automatic passenger elevators without operators and is experiencing some security problems. There is central air conditioning in need of improved controls and capacity. Refurbishing of halls and bathrooms may be a function of increased maintenance but mechanic ally the building is contemporary as compared to the antiquated but servicable equipment of the Tenney Building.

## 5. Marketing

Lease terms and renewal suffered some neglect during trusteeship and original leases are at a variety of rents and terms and in
many cases escalator clauses were applied in sporadic fashion. A major effort is necessary to administer and release existing space arrangements to improve profitability of the building. Several new leases have been made at $\$ 6.50$ per sq. ft. but many old ones remain in force at far lower rates.
6. Comparability

In terms of location and amount of Class B rentable area, 30 on the Square is comprable to the Tenney Building. However, it is 30 years newer than the Tenney Building or the Hovde Building and already has automatic elevators, central air conditioning, and other modern office detailing. There is evidence that it was sold under duress, i.e., receivership for financial reorganization, and that the sale price included a premium forfavorable financial terms. Part of the financial history can be attributed to unfavorable leases in the past, encumberances which remain with the property. Nevertheless, it is a useful benchmark and does serve to indicate that the most probable buyer type for an investment of this size and type is a professional realtor-developer.
C. The Lorraine Hotel - 123 West Washington Avenue (See Exhibits 7 and 9)

## 1. Background

This major hotel was built in the 1920's in grand style by the Schroeder Hotel chain, with the two-story ballroom, vaulted marble lobbies and mezzanine, and other cliches of its era. It was sold in 1968 by administrators of the Schroeder estate after continuing declines in hotel profitability to a Madison group of real estate investors and construction executives for conversion to office space. Since that time hotel operations were gradually phased out, each floor was gutted, central air conditioning was redistributed through new suspended ceiling and light systems, and the space leased to the State of Wisconsin for state offices. In 1975 hotel operations were terminated and the balance of space leased to the state in a successful bid competition passed $\$ 5.81$. Even the two-story ballroom was filled in to provide two floors of space.
2. Price and Conditions

The building sold to a Madison development group for $\$ 1,200,000$ in the fall of 1968 . Terms required $25 \%$ down and the seller provided a $\$ 900,000$ mortgage at $61 / 2 \%$ for 10 years. The conversion provided $112,434 \mathrm{sq}$. ft. of leasable space. $10.0 / \mathrm{p} 5 \mathrm{ft}$
3. Location

The corner site on the southeast corner of West Washington and Fairchild is directly comparable to that of the Hovde Building at

122 West Washington and comparable to the Tenney Building site except that it offers twice as much frontage to the main street. In addition it enjoys an off street automobile circle for unloading passengers at the main entrance. There is no parking. The slope of the site and the design of the building provide minimal opportunity for retailing; there is a small English basement at the corner and a larger restaurant facility on grade closer to the Square. The first floor is almost a full flight of steps above grade.
4. Mechanical Conditions

At the time of sale the building has two automatic passenger eleyators and central air conditioning, as well as other baroque interior fittings. However, major work was required to remove hotel rooms and baths and provide new air conditioning and utility systems for offices. Thus more remodeling was required than in the Hovde Building but it was staged with successive leases to the State and scaled down hotel operation provided some revenue, security, and maintenance.
5. Comparability

In terms of location and amount of Class B rentable area, the Lorraine Hotel is competitive with the Tenney Building. However, it lacks some efficiency as an office building and the convenience of lobbies at grade, etc. Financial terms were conventional for 1968 and would not inflate the sales price. However, the estate was under some duress in terms of their need to liquidate an obsolete hotel structure. Certainly the subsequent refurbishing and unique marketing program to the State indicate that motivation and purposes of the most probable buyer type to consider purchase of the Tenney Building in May of 1975.
6. Price Comparison

The raw purchase price of $\$ 1,200,000$ divided by net leasable area of $112,454 \mathrm{sq}$. ft. indicates a raw price of $\$ 10.67$ or approximately $\$ 10.75$ per sq. ft. of leasable space. Developer estimates that he spent a rough $\$ 14.00$ per sq. ft. to convert the building. Reference to Exhibitlo indicates that with full occupancy and after remodeling, it was assessed by the city at $\$ 12.00$ per sq. ft. on May 1 , 1975, as compared to $\$ 16.00$ per sq. ft. of the Tenney Building with substantial vacancies, short term leases, and no refurbishing. Again this sale and restoration may not be fully comparable but it underscores the inequity of the present assessment on the Tenney Building.
D. Market Comparison Conclusion

The three comparable properties above were purchased by investors with similar motivation to refurbish and market, but are only roughly

SUMMARY OF COMPARABIE SALES OF CLASS B OFFICE BUIIDIIG SPACE
IN NEED OF REFURBISHING AND MARKEMING
Item
Date of Sale
Cash Price
Net Leasable Area
Price Paid Before Refurbishing Per Square Foot of Ieasable Area

May 1, 1975 Total Assessed Value

Assessed Value Converted to Equalized Market at 65\%

May 1, 1975 Assessed Value Per Square Foot Leasable

Score for General Characteristics at Original Purchase
Location
HVAC
Elevators
Parking
Remodeling
Required
Exterior Style
TOTAL veighted
points scored

| Hovce | 30 on The Sq. | Lorraine | Tenney |
| :---: | :---: | :---: | :---: |
| July, 1972 | November,'75 | October,'68 |  |
| \$800,000 | \$1,171,000 | \$1,200,000 |  |
| $67,000 \text { sq. }$ | $65,700 \mathrm{sq} .$ | $112,000 \mathrm{sq} .$ | $76,000 \mathrm{sq} .$ |
| $\$ 11.94 \text { or }$ | $\begin{aligned} & \$ 17.82 \text { or } \\ & \text { s18.00/sc.ft } \end{aligned}$ | $\begin{aligned} & \$ 10.67 \text { or } \\ & \$ 10.507 \mathrm{sq} . \mathrm{ft} . \end{aligned}$ |  |
|  |  | $p^{19}$ |  |
| \$1,104,600 | \$1,137,500 | \$1,345,700 | \$1,225,000 |
| \$1,699,384 | \$1,750,000 | \$2,070,307 | \$1,884,615 |
| \$15.74 | \$17.31 | \$12.00 | \$16.12 |
| $4 \times 30=120$ | $5 \times 30=150$ | $4 \times 30=120$ | $4 \times 30=120$ |
| $\left.{ }^{1}\right\} \times 20=40$ | 3) $\times 20=160$ | 1) $\times 20=8$ | 1) $\times 20=$ |
| $1\}^{2}$ | $(5)^{x ~ 20=160 ~}$ | 33 $\times 2000$ | ]) $\times 200$ |
| $5 \times 15=75$ | $0 \times 15=0$ | $0 \times 15=0$ | $3 \times 15=45$ |
| $3 \times 25=75$ | $5 \times 25=125$ | (1) $\times 25=25$ | $2 \times 25=75$ |
| $3 \times 10=30$ | $5 \times 10=50$ | $1 \times 10=10$ | $5 \times 10=50$ |
| $\overline{340}$ | $\overline{485}$ | $\overline{235}$ | $\overline{330}$ |

Alternative Estimates Based on Sales Price Per Square Foot Leasable

```
\(12 \times 76,000=\$ 912,000\)
\(13 \times 76,000=\$ 988,000\)
\(14 \times 76,000=\$ 1,064,000\)
\(15 \times 76,000=\$ 1,140,000\)
\(16 \times 76,000=\$ 1,216,000\)
```

comparable in terms of time of sale, condition, age, and other factors. It was necessary to summarize descriptive data in Exhibit 11 and then score the significant characteristics of each sale at the time of purchase for relative quality to the Tenney Building on a scale of 0 to 5 ( 5 = most desirable for investor) and weight the significance of these factors to the professional investor. Location was weighted $30 \%$, elevators and HVAC combined for $20 \%$, remodeling required $25 \%$, parking with structure $15 \%$, and exterior styling and image $10 \%$.

Results of this analysis show the Tenney Building and the Hovde Building to be very similar in total weighted points scored, while the Thirty on the Square is a significantly different transaction in character, regardless of the price.

Without adjustment for time, an impossible adjustment to make due to change in the energy costs of older buildings since 1972, the Tenney Building would sell for $\$ 12.00$ a square foot of net leasable area) or $\$ 912,000$. If it were to sell for as much as $23 \%$ more than the Hovde Building, or $\$ 16.00$ a square foot on May 1 of 1975 , it would sell for $\$ 1,216,000$.

However, at this time it is assessed at $\$ 16.12$ a square foot of net leasable area, which when adjusted for a $65 \%$ equalization rate for May 1, 1975 , suggests it is worth $\$ 24.85$ value in the market place. If the total assessed value converted to equalized market value of $\$ 1,884,615$ is tested to determine the yield available to an investor who paid that price, the result is an unacceptable yield to equity of $2.85 \%$ before taxes, based on the income and expenses provided in Section VI.

The market comparison approach can only bracket the most probabie price as of May 1, 1975 as between $\$ 912,000$ and a maximum of $\$ 1,216,000$. This is sufficient to underscore the serious inequity of the City of Madison value of $\$ 1,884,000$ as of that date. However, a careful projection of future incomes and related financing can provide a more representative and narrow range of estimate and this approach is followed in Section VI.

## VI. THE INCOME APPROACH TO VALUE

For lack of arms length sales of comparable properties in Wis., it is the opinion of the appraiser that the only correct approach to valuation in the present instance is the income approach to value, more specifically the mortgage-equity approach to value, as previously discussed in this report and approved for use in the City of Madison in Case \#140-201, Dane County Circuit Court, before the Honorable Judge George R. Currie, relative to the James Wilson Plaza building.

The various steps to the income approach to value have been identified below and fully detailed in the exhibits which follow.
A. Income Approach Methodology

To determine the present value of a series of possible negative and positive cash flows before income tax to an investor-purchaser of the Tenney Building as of May 1, 1975 the following procedures have been followed:

1. All spaces in the Tenney Building were identified floor by floor as square footage and use to determine net assignable and hence leasable areas. (See Exhibit 12) In addition, all existing leases were reviewed to establish actual rentals and date of commencement since a significant portion of space was occupied for only a portion of the fiscal year May 1, 1975, to April 30, 1976. A schedule of existing vacancies reduced by additional rentals in fiscal years 1976 and 1977 are provided in Exhibit 13.
2. Assignable areas, rents in existing leases, and market rents for vacant space were then combined to produce a schedule of revenues with supporting footnotes in Exhibit 12 . It should be noted that rental increases are projected on several different standards, depending on their tenancy. Private office tenants are releasing subject to escalation of total rents according to the change in Consumer Price Index for all cities and all items, and this has been projected at 6.3 percent per annum without compounding as in Exhibit 14. Yearly increases for space leased to the State cannot exceed $5 \%$ per year, while space rented to Jones Inc. is subject a prorata share of operating expenses.
3. The projection of gross potential revenues for five fiscal years and projected vacancy losses were then combined with operating expenses to produce Exhibit 15. A Schedule of Projected Revenues and Expenses for the Five Fiscal Years Starting May 1, 1975. It should be noted that the carefully footnoted expenses are based on the assumption that any purchases would order and install two automatic elevators to replace the existing passenger elevators. The present owners have received estimates of $\$ 135,000$ for $1976-77$ delivery, but have not decided to make the change. That investment together with the projected increase in occupancy would have a pronounced impact on income before real estate taxes, income taxes, or debt service. The investment in the elevators has been assumed to be fully financed with a 15 -year second mortgage as further described below.
4. Revenues less expenses in Exhibit 15 provide a forecast of net cash income before payment of real estate taxes, mortgage interest and principal payments, and the yield on investment plus recovery of equity capital necessary to justify the cash investment of the buyer.
B. Recognition of Business Risk and

Probable Buyer in Real Estate Investment
To convert net income before real estate taxes and debt service to a capitalized income value, a computer program called Investment Market Value (IMV) reflecting Ellwcod Mortgage-Equity techniques, will be used from the National EDUCARE library of programs. EDUCARE is a non-profit extension of the American Institute of Real Estate Appraisers and the Society of Real Estate Appraisers dedicated to the development of Timeshare techniques for application to appraisal and real estate analysis problems. Use of the program is a three-part


## TENNEY BUILDING

Schedule of Rental Revenues' for the Period May 1, 1975 Through Aprl1 30, 1980


## TENNEY BUILDING

$66 \times 154$
Schedule of Rental Revenues' for the Period May 1, 1975 Through April 30, 1980


## TENNEY BUILDING

Schedule of Rental Revenues ${ }^{1}$ for the Period May 1, 1975 Through April 30, 1980


## TENNEY BUILDING

## Notes to Schedule of Rental Revenues

1 The annualized gross revenue for $1975-76$ is consistent with actual lease terms. Yearly increases in rentals are assumed to take place at lease renewal dates, and are based on the last five years average all item consumer price index of $6.3 \%$. Yearly increases in rentals for state agencies, however, are based on $5 \%$.

2 Rental increases for Jones, Inc. are based on operating expense increases. The increase for $1976-77$ is not as yet finalized, but will approximate $\$ 5,000$.


Vacate December, 1975. It is projected that this space would rent for $\$ 6.00$ per sq.ft. for the year 1976-77.

Renewed June 30,1976 at $\$ 5.75$ per sq.f.t.
Used by Bank Properties for period of May through December, 1975.



## TENNEY BUILDING

Schedule of Vacancies for the Period May 1, 1975 - April 30, 1980

| Seventh Floor (cont.) : | Space | \% Vacant | Rental Rate | \# of Months | PROJECTION PERIOD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
|  |  |  |  |  |  |  |  |  |  |
| 717-724 | 1,865 | 100 | 5.88 | 12 | 10,966 |  |  |  |  |
|  | 1,865 | 75 | 6.25 | 12 |  | 8,742 |  |  |  |
|  | 1,865 | 50 | 6.64 | 12 |  |  | 6,192 |  |  |
|  | 1,865 | 50 | 7.04 | 12 |  |  |  | 6,565 |  |
|  | 1,865 | 50 | 7.43 | 12 |  |  |  |  | 6,928 |
| 720A | . 124 | 100 | 3.50 | 12 | 434 |  |  |  | 6,328 |
|  | 124 | 100 | 3.50 | 2 |  | 72 |  |  |  |
| Eighth Floor: |  |  |  |  |  |  |  |  |  |
| 801 | 150 | 75 | 6.00 | 11 |  | 619 |  |  |  |
|  | 150 | 50 | 6.37 | 12 |  |  | 478 |  |  |
|  | 150 | 50 | 6.77 | 12 |  |  |  | 508 |  |
|  | 150 | 50 | 7.13 | 12 |  |  |  |  | 535 |
|  | 4,580 | 100 | 5.25 | 8 | 16,030 |  |  |  |  |
| Ninth Floor: |  |  |  |  |  |  |  |  |  |
| 903-06 | 980 | 100 | 5.25 | 5.16 | 2,213 |  |  |  |  |
| 907 | 225 | 100 | 5.50 | 3 | 309 |  |  |  |  |
| 908 | 204 | 75 | 7.35 | 12 |  | 1,125 |  |  |  |
|  | 204 | 50 | 7.82 | 12 |  |  | 798 |  |  |
|  | 204 | 50 | 8.28 | 12 |  |  |  | 845 |  |
|  | 204 | 50 | 8.75 | 12 |  |  |  |  | 893 |
| 921 | 575 | 100 | 5.50 | 8 | 2,108 |  |  |  |  |
| 922-23 | 355 | 100 | 5.64 | 12 | 2,004 |  |  |  |  |
|  | 355 | 75 | 6.00 | 12 |  | 1,598 |  |  |  |
|  | 355 | 50 | 6.35 | 12 |  |  | $\cdot 1,128$ |  |  |
|  | 355 | 50 | 6.72 | 12 |  |  |  | 1,193 |  |
|  | 355 | 50 | 7.07 | 12 |  |  |  |  | 1,255 |
| Tenth Floor: |  |  |  |  |  |  |  |  |  |
| 1001 | 150 | 100 | 6.40 | 10.48 | 839 |  |  |  |  |
|  | 150 | 75 | 6.64 | 10 |  | 623 |  |  |  |
|  | 150 | 50 | 7.00 | 12 |  |  | 525 |  |  |
|  | 150 | 50 | 7.43 | 12 |  |  |  | 557 |  |
|  | 150 | 50 | 7.83 | 12 |  |  |  |  | 587 |

## TENNEY BUILDING

Schedule of Vacancies for the Period May 1, 1975 - April 30, 1980
$\frac{\text { Tenth Floor (cont.) }}{1014-18}$

1022

| Rental | \# of | PROJECTION PERIOD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rate | Months | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| 5.88 | 12 | 10,513 |  |  |  |  |
| 6.25 | 12 |  | 8,381 |  |  |  |
| 6.62 | 12 |  |  | 5,920 |  |  |
| 6.99 | 12 |  |  |  | 6,250 |  |
| 7.36 | 12 |  |  |  |  | 6,580 |
| 7.59 | 12 | 1,298 |  |  |  |  |
| 8.07 | 12 |  | 1,035 |  |  |  |
| 8.57 | 12 |  |  | 733 |  |  |
| 9.09 | 12 |  |  |  | 778 |  |
| 9.59 | 12 |  |  |  | - | 820 |
|  |  | 110,338 | 54,550 | 37,618 | 39,727 | 41,809 |

## Average Rate of Increase in Consumer Price Index All Items 1971 - May 1975

ㅁo. 657. Consempr Price Indexes, by Major Groups: 1050 to 1975
$\quad \begin{aligned} & 1967=100 \text {. Prior to } 1963 \text {, excludes Alaska and liawait. Deginning } 193 j \text {, index structure revised to rellect buying }\end{aligned}$ patterns of urban waze enrners and clarical workers in the $1900^{\prime}$ s, including single workers ligina aione as well as lamilies of iwn or more bersons: indozes for prior ynara apolv oniy to lamilies of two or more persons. See
aiso fliatorical Stetistics, Colonial Timez to 1970 . Series E $130-173$ i


NA Nes araisole.
Source: U..S. Bureau of Labor Statistics, Monilly Labor Revicw. Also in Ifanibook of Labor Statistics.


## EXHIBIT 15

## TENNEY BUILDING

Schedula of Projected Revenues and Expenses
For the Five Fiscal Years Starting May 1, 1975

Revenues:
Gross Office Rentals
Less: Vacancies Effective Office Rent Parking Rentals (25stalls)
Total Revenues

## Expenses: 1

Cleaning ${ }^{2}$
Electrical ${ }^{3}$
Heating
Air Conditioning
$\varepsilon$ Ventilating ${ }^{5}$
Plumbing ${ }^{6}$
Elevators?
General Building Expenses - Wages ${ }^{8}$ Supplies Cleaning - Special ${ }^{9}$
Unclassified ${ }^{10}$
Administrativell
Energy 12
Insurance
*Capitol Concourse
Special Assessment Total Expenses

Income before Real Estate Taxes, Income Taxes, and Debt Service

| - |  | - | 1978-79 |  |
| :---: | :---: | :---: | :---: | :---: |
| $51 / 5-430$ |  |  |  |  |
|  |  |  |  |  |
| (110,338 | 54,550) | $(37,618)$ | $(39,727)$ | (41,809) |
| 282,350 | 358,624 | 399,551 | 422,143 | 444,471 |
| 6,623 | 7,800 | 8,290 | 8,783 | 9,274 |
| 288,973 | 366,424 | 407,841 | $\begin{aligned} & 61 \\ & 430,926 \\ & \hline \end{aligned}$ | $453,$ |



Notes to Schedule of Projected.Revenues and Expenses

## 1. Expenses

The classifications of expense presented are basically consistent with the BOMA accounting system, developed by the Building Owners and Managers Association International. Expenses are anticipated to increase by $6.3 \%$ per year, the average of the all item consumer price change for the last five years unless otherwise stated.

## 2. Cleaning

Records wages of contracted individuals (including supervisory) who clean offices, lobbies, elevator cabs, corridors, toilets, windows, etc; and the cost of all cleaning supplies. Cost of upkeep and ordinary replacement of cleaning equipment also included.

In conversations with a representative of Northern Building Maintenance, cleaning and maintenance costs for a 5 day per week schedule should be approximately $\$ .45$ per square foot for tenant occupled spaces and approximately $\$ .75$ per square foot for public areas such as corridors, restrooms, etc.

## 3. Electrical

Covers cost of maintaining and repairing electrical system throughout building, including repairs and ordinary replacements, light bulbs, fluorescent tubes and other necessary supplies. This account does not include current used.

## 4. Heating

Covers cost of maintaining and repairing entire heating system, including labor costs, supplies (including delivery) and parts. It is charged with one-half the wages and fringe benefits paid and engineer necessary to operate heating system. It does not include the cost of fuel.

|  | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| :---: | :---: | :---: | :---: | :---: |
| Wages (8\%) | 7203 | 7779 | 8355 | 8932 |
| Repairs, Supplies, Etc. | 805 | 856 | 906 | 957 |
| TOTAL | 8008 | 8635 | 9261 | 9889 |

## 5. Air Conditioning and Ventilating

Records cost of supplies, repairs, and labor required to operate filters, fans, motors and other equipment in air conditioning and ventilating system. One-half the wages and fringe benefits paid the engineer are included here.

Wages ( $8 \%$ )

| $\frac{1976-77}{7203}$ | $\frac{1977-78}{7779}$ | $\frac{1978-79}{8355}$ | $\frac{1979-80}{8932}$ |
| :--- | :--- | :--- | :--- |
| 1400 | 1488 | 1576 | 1665 |

TOTAL $8603 \quad 9267$

## 6. Plumbing

Covers all costs (labor, materials, supplies, repairs, parts) of maintaining plumbing system, including hot and cold water, filters, water softeners, water heaters, pumps, etc., and the cost of water purchased. Cost of fuel and electricity required for water heating and operation of equipment is included under energy. Water rates are expected to increase by $34 \%$ within the next year.

|  | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | (17\%) | (34\%) |  |  |
| Water | 5792 | 6777 | 7761 | 8250 | 8739 |
| Repairs, Supplies, Etc. | 982 | 1043 | 1106 | 1168 | 1229 |
| TOTAL | 6774 | 7820 | 8867 | 9418 | 9968 |

## 7. Elevators

Records wages and fringe benefits paid elevator starters and operators and costs of labor for inspecting and servicing elevator system and making ordinary repairs; also all other maintenance costs of elevator equipment, signal system, etc., including supplies, materials, repairs and ordinary replacements. Includes the cost of a labor only service contract with Braun, Inc. at a cost of $\$ 392$ per month.

It is anticipated that a new owner would install two automatic passenger elevators at a cost of $\$ 135,000$ in order to reduce operating costs. Allowing for a 9 -month delivery period and 2 months installation for each elevator, such a system would be in full operation in the $1976-77$ fiscal year. The freight elevator would remain as it is. The change would negate the need for Tri State Security services, which, at present, are needed only for evening operation of the manual elevators. In all maintenance, contract is assumed. All elevator wages could be eliminated except one part-time individual needed to run the freight elevator.

|  | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Wage and Fringe Benefits | 35,087 | 5,595 | 5,948 | 6,300 | 6,652 |
| Repairs, Supplies | 5,194 | 7,915 | 8,414 | 8,912 | 9,410 |
| TOTAL | 40,281 | 13,510 | 14,362 | 15,212 | 16,062 |

8. General Building Expense - Wages

Contains a portion of wages of 1 carpenter, 2 painters.
Projected to increase at $8 \%$
9. Cleaning - Special

Includes the cost of snow removal, striping of the parking area and cleaning of the parking area.
10. Unclassified

Includes scavenger service contract with City Disposal for $\$ 100$ per month. Fire and crime prevention represents security protection by $\operatorname{Tri}$ State Security which will be eliminated by the use of al

|  | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Scavenger Service | 1,574 | 1,673 | 1,772 | 1,871 | 1,971 |
| Fire \& Crime Prevention | 19,571 | 100 | 106 | 112 | 119 |
| Repairs | 982 | 1,200 | 1,276 | 1,376 | 1,427 |
| TOTAL | 22,128 | 2,973 | 3,154 |  | 3,517 |

11. Administrative

Include a portion of the wages and fringe benefits paid to those administrators responsible for operation and management of the building, as well as office supplies

|  | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Wages ( $8 \%$ Inc.) | 9,499 | 10,258 | 11,018 | 11,779 | 12,539 |
| Supplies, Etc. | 38 | 50 | 53 | 56 | 59 |
| TOTAL | 9,537 | 10,308 | 11,071 | 11,835 | 12,598 |

12. Energy

Based on proposed rate increases by Madison Gas and Electric, representatives of that firm anticipate a $12 \%$ per year increase in electricity cost and a $5 \%$ per year increase in natural gas cost.

At present, the Tenney Building consumes approximately 75,000 gallons of \#2 fuel oil per year. Present cost is 35.9 cents per gallon plus sales tax. The fuel is used for heating and hot water heaters. Increases are projected at $8 \%$ per year.

|  |  | 1975-76 | 1976-77 | 1977-78 | 1978-79 | 1979-80 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Electricity |  | 21,525 | 24., 108 | 26,691 | 29,274 | 31,857 |
| Fuel Oil |  | 28,950 | 31,277 | 33,594 | 35,910 | 38,227 |
| Gas |  | 430 | 452 | 473 | 495 | 516 |
|  | TOTAL | 50,915 | 55,837 | 60,758 | 65,679 | 70,600 |

1. On the first run net income before real estate taxes will be utilized butedivided by a capitalization rate which includes the capitalized equivalent of the Madison 1975 equalized tax rate. The resulting value will be used to estimate approximate equalized real estate taxes for 1975.
2. The estimate of real estate taxes will then be deducted from net income before real estate taxes from Exhibit 12 and reprocessed with a capitalization rate reflecting only the return to equity required as a minimum inducement to a purchaser.
3. The value estimate derived in Step "b" will then be tested to see whether it will provide adequate after tax cash on cash returns, internal rates of return, and risk measures for the sophisticated investor.
4. An additional run of IMV will be used to solve for the rate of return to equity before taxes that would result if an investor were to pay the $\$ 1,884 \times 000$ market value presumed by the assessor to be correct as of May 1, 1975.
5. The final step will be to set the market value of the property with terms and conditions appropriate to an arms length transaction for the subject property as of May 1, 1975.

An explanation of the detailed inputs and outputs of the IMV process follow.
C. Mortgage-Equity Assumptions for Value Approach

1. Lenders would be skeptical of the long-term viability of the Tenney Building because of its age, lack of air conditioning, and shortterm leases. Therefore, a conventional mortgage loan for a new buyer from traditional mortgage lenders could not exceed $67 \%$ of proposed purchase price.
2. The interest rate on the above first mortgage as of May 1,1975 under most favorable circumstances would be 10.25 percent for a 20 -year term loan. A lender would probably require the loan to balloon in $10-12$ years but that event would fall outs ide the five year forecast.
3. An additional loan for $\$ 135,000$ would be required to finance the installation of two automatic elevators at the end of the first year. This chattel mortgage would be for 180 months, start in the second year, and might enjoy a rate of .1025 percent interest.
4. The overall rate of return to equity would be $18 \%$ per year, compounded before income taxes or capital gain taxes on the appreciation contained in the equity reversion. The $18 \%$ return is the minimum required for an older, refurbished building, subject to significant blocks of space leased short term or to government agencies. It is the same rate accepted by the Madison Board of Appeals in the case of the El Esplanade Building on State Street for May 1, 1973 and 1974. It is assumed that the buyer would pay cash equivalent to $33 \%$ of the purchase price.
5. For the preliminary run of IMV, the return to equity of $18 \%$ must be added to the capitalized equivalent of the real estate tax in 1975. This is computed by multiplying the 1975 mill rate for Madison( net of the State Tax credit) of 44.4276 and expressed as a percent of value of .0444276 , times the equalization rate of .65 , for a product of .02887794 . To relate the capitalized real estate tax to the equity portion ( $33 \%$ of purchase price), it is necessary to multiply
4 by 3 for a product of .086634 or 8.66 percent. When added to an equity rate of $18 \%$, the total capitalization rate entered in line 103 of IMV input form is 26.66 percent. (Appears in Exhibit 16 as Before Tax Yield)
6. Since appreciation or depreciation depends on whether the cash income of the project is improved through marketing, management, and the rate of inflation, it is speculative to project a change in resale value. For purposes of this projection no change in the value of the building is assumed, with actual wear-and-tear and aging or functional obsolescence due to utility rates increases considered to be offset by modest inflation in dollar values. Thus it is assumed that the property would resell in five years at no less than the same price it would sell for on May 1, 1975. A graduated sales commission and other transaction costs would not exceed $2 \%$ of the sales price. These are liberal and optimistic assumptions at this time for Madison, tending to overstate resale proceeds to investor.
7. The IMV program requires additional explicit assumptions to provide an after tax yield estimate as a check on the justified purchase price:
a. IMV solves for total value before taxes, including land, but for purposes of testing implications for after tax yield, it is assummed that $60 \%$ of value represents structure with a remaining 25 -year useful $1 \mathrm{ife}, 10 \%$ salvage value, $20 \%$ represents existing mechanical equipment with a five-year useful life remaining and $20 \%$ salvage value. These elements would be depreciated on a straight line basis. One hundred and thirty five thousand dollars is attributed to the new elevators which have a twelve-year useful life and $\$ 35,000$ salvage value to be depreciated at $150 \%$ declining balance, starting in the second year (13th month). The residual value of the purchase price will be assigned to land value.
b. The Federal tax rate is assumed to be the maximum of $48 \%$ for a corporate owner having other income that could use the minimal shelter of taxable losses attributable to the project as defined above. State income tax and capital gain taxes have been iqnoted so that after tax yield is slightly overstated.
D. Execution of the IMV Model


A preliminary evaluation using net income before real estate taxes and including real estate taxes as a portion of the equity capitalization rate was entered as a data file and run.

WHAT IS YJIJR DATA FILE NAME?GRAASI * $\$ 10.00$ LIS CHG APPLIED

IMv : \$ 1177716
AFTER TAX YIELD(IRR): 23.03\%
BEF JRE' TAX YIELD(IRR): 26.063
DJ YJiJ kANT DETAIL ( $0=N J, 1=Y E S$ )?

```
INUESTMENT MARKET VALJE ANALYSIS 10:52CDT 0&107/75
TEN.ver Bullding - MADISJN, wiscunsin
110 EAST MAIN STREET
VAL JATI J.V FJR MAY 1, 1.776
*********************************************************
AFTER TAX YIELD(IRB) : 23.03.3
3EFJRE TAX YIELD(IRR): 25.055%
LNUESTGENT MARKET VALUE:
```

*********************************************************

```
```

*********************************************************

```

FI.VA.VCI.VG:
    MJRTGAGES:
    1. \(15 T\) MJNTH \(10.250 万 20\) Y:RS 0 MJNS 5 78リ1JT1
    2. 13THivivh \(10.250 \% 15\) YRS O הJNS s 135000
    EDiJTY CASH:
    \(=\quad 253647\)

RESALE JF L.VJESTKENT I.V 5 YEARS:
ESTIAATED RESALE PRICE S 1177116
LESS: AJATGAGE BAL.
SALES CJMMI SSIJN
CASH REUERSI JN BEFJRE TAXES
LESS: CAPITAL GAIVS TAX(ALT.) TAX JN RECAPTIRED DERK. TAX PRETERENCE, TAX

CASH REUGRSI Jiv AFTER TAXLS


\begin{tabular}{lrrrrrrr}
1 & 78743 & 80295 & 75373 & -75925 & -35924 & -14207 & 22717 \\
2 & 182927 & 92587 & 67873 & 2465 & 1183 & 12320 & 71137 \\
3 & 208670 & 90554 & 85311 & 31705 & 15218 & 18053 & 82645 \\
4 & 215957 & 88500 & 84944 & 42514 & 20405 & 105350 & 84954 \\
5 & 225207 & 86134 & 83747 & 50320 & 25556 & 114600 & 80044
\end{tabular}

READY
RIN IMU

Iiv.
11:O४CDT Oช107/76

WHAT IS YJIJR DATA FILE NAME?GRAASE
*\$10.00 LIB CHG APPLIED
```

IMO
ArTER TAX YIELD(IRR) : 17.47%
BEFJRE TAX YIELD(IRR): 18.00%
DJ YJU VIANT DETAIL (0=NJ, 1=YES)?1

```
INUESTYENT KARKET VALJE ANALYSIS 11:DJCDT 08107/76.
tenney bullding - madisjn, biscuivsin
110 EAST MAIN STREET
Valijati jn fur may 1,1976
AFTER TAX YIELD(IRR): 17.47 B
BEFJRE TAX YIELD (LRR): \(18.00 \%\)
INUESTMENT MARKET VALIJE: S 1135852

FI.VANCING:
MJATGAGES:
1. 1 ST MJNTH
2. \(10.250 \%\)
EOH MJNTH
EOITY CASH:

RESALE JF INUESTMENT IN 5 YEARS:
\begin{tabular}{|c|c|c|}
\hline ESTIMATED RESALE PRICE & \$ & 1135852 \\
\hline LESS: MJRTGAGE BAL. & & 801610 \\
\hline SALES CJMAISSIJN & & 22717 \\
\hline CASH REVERSIJN BEFJRE TAXES & 5 & 311525 \\
\hline LESS: CAPITAL GAINS TAX (ALT.) & & 119040 \\
\hline TAX JN MECAPTJRED DEPR. & & 3863 \\
\hline tax preference tax & & 0 \\
\hline CASH REVERSIJN AFTER TAXES & 5 & 188622 \\
\hline
\end{tabular}
\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline & NET & M JRTGAGE & BJJK & taxadle & Incume & CASH FLJW & CASH FLJw \\
\hline YR & INCJME & INTEREST & DEPR. & I NC JME & TAX & BEFJRE TAX & AFIER TAK \\
\hline 1 & 44733 & 77442 & 72694 & \(-105403\) & \(-505 \geqslant 3\) & \(-44913\) & 5680 \\
\hline 2 & 148917 & 89783 & 85194 & \(-25050\) & -12506 & 41614 & 54122 \\
\hline 3 & 174560 & 87901 & 63531 & 3128 & 1501 & 67357 & 65826 \\
\hline 4 & 181957 & 85816 & 82264 & 13877 & 5650 & , & 07974 \\
\hline 5 & 191197 & 83505 & ¢105 & 25523 & 12779 & 83094 & 71115 \\
\hline
\end{tabular}
```

GRAASE 11:07CDT 08/07/76
100' TEVNEY B!JILDING - MADISJN, wISCJNSIN
101 110 EAST MAIN STAEET
102 VALJATI JN FJR MAY 1, 1975
103 B..1%
104 AD,0,5,.02
10544733,148917,174560,181957,191197
110 1,.48,0,0
1114,0
112,50,1,25,.1,1
113 .2001,5,.2,1
114 135000,3,12,35000,13
122 1,.67,.1025,24,,0,1
123,1,135000,.1025,130,0,13

```

\begin{tabular}{|c|c|c|c|c|c|c|c|}
\hline & N2T & \(\cdots 376.200\) & （3） 3 K & CAxAuLE & INCJ．is： & C－ラヵ－LJ & CASH PLON \\
\hline YR & INDJ4 & 1．1ERESr & DEPA． & LNC Jre & I－AX & SEr J内E TAS & Arsin TAx \\
\hline 1 & 24343 & 125723 & 118015 & \(-21,3+5\) & \(-105303\) & \(-121133\) & \(-15064\) \\
\hline 2 & 120527 & 137247 & 131515 & \(-13+230\) & \(-55832\) & \(-34566\) & \(\because 32150\) \\
\hline 3 & 154271 & 13445） & 12335 & \(-101142\) & \(-52306\) & －8， 3 & 43465 \\
\hline 4 & 151507 & 131371 & 127586 & \(-37300\) & \(-46147\) & \(-1525\) & 40121 \\
\hline 5 & 170307 & 127951 & 135383 & \(-63933\) & \(-20013\) & 7514 & \(4770 \%\) \\
\hline
\end{tabular}
```

G:3AAS2 20:OSCUT Uک/11/75
100 TEMVEY BuILDING - MADISJN, WISCJNSIS
101 110 EAST MATM STREST
102 UALIA[I JN FJ:R \AY 1, 1,75
103 I,1《44000
104 \thereforeD,0,5,.02
105 24343,124527,154270,151557,170007
110 1,.48,0,0
111 4,0
112 . 50,1,25,.1,1
113 -20,1,5,.2,1
114 135100,3,12,35000,13
122 1,.57,.1025,240,0,1
1231,135000,.1025,180,0,13
READY
ZE?
RFADY
之J I I MO

```
1. The preliminary evaluation provided in Exhibit 16 indicated a justified investment value of \(\$ 1,177,718\).
2. This preliminary value was then multiplied by the equalized mill rate of .0288776 of total value. That mill rate suggests taxes in fiscal year 1975 should be \(\$ 34,010\).
3. Assuming that real estate taxes would not rise for the entire five year projection for Dane County and the City of Madison, despite remodeling and inflation, a doubtful assumption which can overstate values significantly, the estimate revenues were recalculated to convert the before real estate tax income position to the more traditional net operating income as follows:
```

Net Income Before Estimated Real Estate
Real Estate Tax
(Exhibit 15)
Tax for 1975
(Section VI, D-3)

```

> Net Income After Real Estate Tax
> (Exhibit 17)
\begin{tabular}{lllr}
\(\$ 78,743\) & - & 34,010 & \\
\(\$ 182,927\) & - & 34,010 & \\
\(\$ 208,570\) & - & \(=\) & \(\$ 148,933\) \\
\(\$ 215,967\) & - & 34,010 & \(\$ 174,660\) \\
\(\$ 225,207\) & - & 34,010 & \\
\hline
\end{tabular}
4. The data file for IMV was then corrected to provide an unadjusted capitalization rate for equity of .18 (line 103 of IMV form) and/or the net operating income after real estate taxes (line 105) as determined above. The :MV program was then run again and the output is provided in Exhibit 17. This exhibit indicates the justified investment market value as of May 1,1975 would have been \(\$ 1,135,852\) or rounded to \(\$ 1,140,000\). That is consistent with a market value approach of \(\$ 15.00\) per square foot of net leasable area, as suggested in Exhibit 11 as \(25 \%\) more than paid for the Hovde Building in 1972 under similar conditions and motivation.
5. A test of the current market value determined by the Madison assessor of \(\$ 1,844,000\), subject to the same tax on total value of .0288776 would require a tax of \(\$ 54,400\) and leave a net operating income of:

Net Income Before Real Estate Tax
\(\$ 78,473\) \(\$ 182,927\)
\(\$ 208,670\)
\(\$ 215,967\)
\(\$ 225,207\)

Estimated Real Estate
Tax for 1975
54,400
54,400
54,400
Net Income After
Real Estate Tax
\(\$ 24,343\)
\(\$ 128,527\)
\(\$ 154,270\)
\(\$ 161,567\)
\(\$ 170,807\)

When this net operating income is combined with all the other assumptions of the second IMV run, and the IMV program is asked to solve for yield, the result is an after tax yield of \(2.85 \%\), which is clearly unacceptable to the most unsophisticated investor. (See Exhibit 18) Only tax savings on the losses provided any yield at all!
6. Some basic investment tests indicate that a justified investment value of \(\$ 1,140,000\) would be the highest price an investor would pay under these assumptions because:
a. While the after tax yield is adequate at \(17.47 \%\), all of the yield in the first year is due to tax savings through other income and all appreciation in excess of original equity cash would be taken by the capital gains tax in the event of resale.
b. Cash flow in the first year is negative and only by the third year does it represent a satisfactory \(28 \%\) of original equity cash. Total cash flow before tax by the end of the fifth year is \(\$ 222,606\), \(93 \%\) of original investment, for a payback of barely within the five-year term desired of equity dollars in commercial property.
c. The cash breakeven point for the investment is the effective gross potential rent minus cash flow before taxes and converted to a percentage. The default point or breakeven point should be in the neighborhood of \(70-75 \%\) on an older building in need of refurbishing and marketing. In the third year, the default point is still \(85 \%\).

Cash Flow Before
Default Point Tax (from Exhibit
17)
\(1-\frac{\text { Column } B}{\text { Column } A}\)
Column B
\begin{tabular}{lllll}
\hline \(1975-76\) & \(\$ 392,688\) & - & \((\$ 44,913)\) & \(1-(-.11)=111 \%\) \\
\(1976-77\) & 413,174 & - & 41,614 & \(1=.10=90 \%\) \\
\(1977-78\) & 437,169 & - & 67,357 & \(1-.15=85 \%\) \\
\(1978-79\) & 461,870 & - & 74,654 & \(1-.16=84 \%\) \\
\(1979-80\) & 486,280 & - & 83,894 & \(1-.17\)
\end{tabular}

The default ratios remain unacceptably high despite the optimistic rent and expense projections following installation of new elevators. Only a slight increase in vacancy or real estate taxes, which were held constant for these computer runs, would put the project in the red.
d. In short, the high breakeven point is the result of full pricing and a heavy assumption of debt, and it is this leverage risk
which produces the cash flow before taxes. A higher price would require more debt expense or more equity. The debt increases the risk of default which is already too high while additional equity would sharply lower yield and postpone payback well beyond the five-target. Should the Internal Revenue Service conclude that land values represent a much larger portion of the property values than we have allocated, depreciation benefits would be lost and cash flows after tax would drop significantly. Therefore, one must conclude that the property is fully priced at \(\$ 1,140,000\).
E. The Income Approach Value Allocation

The income approach to value using the mortgage-equity technique as programmed in the IMV program leads to the conclusion that the highest price an investor would be willing to pay for the Tenney Building as described herein would be \(\$ 1,140,000\) as of May 1, 1975 under the assumptions put forward and supported in this report.
1. Assuming the City Assessor were to use a \(65 \%\) equalization base, the above value would suggest a total assessed value of \(\$ 741,000\).
2. If land were \(20 \%\) of total value, then the assigned market value would be \(\$ 228,000\) or \(\$ 10.55\) per sq. ft. of this parcel of \(21,615 \mathrm{sq} . \mathrm{ft}\). However, if land were to be valued in light of the acquisition costs of the sites for GEF 1 and GEF 2 on the neighboring Blocks 106 and 108 east of Webster Street, land should represent a value in the neighborhood of \(\$ 22-25.00\) per sq. ft . A market value of land of \(\$ 22.00\) per sq. ft. for \(21,615 \mathrm{sq}\). ft . would indicate a value should be assigned to land of \(\$ 475,530\).
3. Therefore, we would recommend allocation of income value to be:
\begin{tabular}{lcc} 
& Market Value & Assessed Value \\
Land & \(\$ 475,000\) & \(\$ 308,750\) \\
Building & \(\frac{\$ 65,000}{}\) & \(\frac{432,250}{}\) \\
& TOTAL & \(\$ 1,140,000\)
\end{tabular}
VII. VALUE CONCLUSION

Placing primary reliance on the income approach suggests a value of \(\$ 1,140,000\), which for purposes of comparison is approximately \(\$ 15.00\) per sq. ft. of net leasable area in the Tenney Building. Such a price is bracketed by transactions of buildings of similar size in the Square area in recent years, with higher priced buildings representing newer, better located, more automated systems.

The cost approach is completely inappropriate to the subject property since the improvements are obsolete, less than optimum usa

Based on the assumptions, limiting conditions, and property tax estimates as presented, it is the opinion of the appraiser that the highest probable price in dollars and fair market value of the subject property described herein as of May 1, 1975 is:

ONE MILLION ONE HUNDRED FORTY THOUSAND DOLLARS
\[
(\$ 1,140,000)
\]

\section*{CERTIFICATE OF APPRAISAL}

1 hereby certify that 1 have no interest, present or contemplated, in the property and that neither the employment to make the appraisal nor the compensation is contingent on the value of the property. I certify that \(I\) have personally inspected the property and that according to my knowledge and belief, all statements and information in this report are true and correct, subject to the underlying assumptions and limiting conditions.

Based upon the information contained in this report and upon my general experience as an appraiser, it is my opinion that the Fair Market Value, as defined herein, of this property as of May 1, 1975, is: Outre 1.1976 a also

ONE MILLION ONE HUNDRED FORTY THOUSAND DOLLARS
\[
(\$ 1,140,000)
\]


\section*{STATEMENT OF LIMITING CONDITIONS}

This appraisal is made subject especially to the following conditions and stipulations:
1. The appraiser assumes no responsibility for matters which are legal in nature nor is any attempt made to render an opinion on the title. The property has been appraised as if title to the subject property were in fee simple, legal ownership with no regard for the existing structure of split ownership within a larger holding company, leasebacks, mortgage loans, or other liens or encumbrances.
2. The appraiser did not conduct any engineering analysis of the structural components or of the site, of costs to replace, or of other related factors. Monthly operating and construction accounting data were provided but all income and expense estimates were reconstructed to include imputed rents to areas occupied by the owner and expenses deemed to be appropriate for skillful management of the property.
3. Forecasts of effective demand of retail and office space are based on the best available data concerning the downtown Madison market but are projected subject to grave conditions of economic uncertainty due to city plans for modifying the Capitol Concourse and current depression in retail sales levels for many retailers on the Square. Thpoughout the report critical assumptions are noted and some are given special emphasis with fult capital letters. Thus, these forecasts are a scenerio of what is most likely to happen given skillful management and no unforeseen circumstances.

He
The specific parcel area appraised does not conform with the present city of Madison tax record for this tax parcel but assumes the city record to be obsolete and in need of updating to correctly identify the economic entity.

4 5. Values for various components of the subject parcel and improvements as contained within the report are valid only when making a summation and are not to be used independently for any purpose and must be considered invalid if so used.

5 6. Possession of this report or any copy thereof does not carry with it the right of publication nor may the same be used for any other purpose by anyone without the previous written consent of the appraiser or the applicant, and in any event, only in its entirety.

6 7. Neither all nor any part of the contents of this report shall be conveyed to the public through advertising, public relations, news, sales or other media without the written consent and approval of the author, particularly as to the valuation conclusions, the identity of the appraiser of the firm with which he is connected, or the identity of any of his associates.
7. 8. Information furnished by others in this report, while believed to be reliable, is in no sense guaranteed by this appraiser. While beforetax arithmetic of IMV model has been handchecked for accuracy, no guarantee of program infallibility can be made by EDUCARE or the appraiser.
9. All information furnished regarding property for sale, rental, financing or projections of income and expense is from sources deemed reliable. No warranty or representation is made as to the accuracy thereof and it is submitted subject to errors, omissions, change of price, rental or other conditions, prior sale, lease, or financing, or withdrawal without notice.



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