PROGRAMMING
for proposed
Additions and Alterations
to the
TIPPECANOE COUNTY HISTORICAL MUSEUM

by
Steven P. Turnipseed
in partial completion of
the requirements for a
Bachelors of Architecture Degree
at
Ball State University
Muncie, Indiana
1974-75
phase I: programing

- preliminaries
  - client
    - project justification
    - site selection
  - analysis of givens
    - Fowler home
      - site photographs
    - home plans
    - home elevations
    - site
      - boundaries
      - sections
    - analysis
      - site
      - neighborhood
      - area
      - county
    - organization
    - space needs
      - space allocations
    - relationships diagrams
    - accession flow diagram
  - supportive analysis
    - financial
      - weather statistics
codes

bibliography
The Tippecanoe County Historical Association is a non-profit corporation involved in a continuing effort to provide Lafayette, Indiana, and the surrounding county a high quality, culturally valuable program highlighting the history of the city and the county. The Association was formed in 1925 during Lafayette's centennial. Membership in the Association is open to anyone and requires a small membership fee.

The programs of the Association are varied in direction and popularity. The Tippecanoe County Historical Museum, housed in the old Moses Fowler Home, is a free museum operated by the Association. The museum is bulging with items and documents of historical value to the Tippecanoe County area. In addition to exhibits and displays, the museum houses the Alameda McCollough Library and an active genealogy research section. Included in the museum's programs are educational classes, workshops, and movies, area tours, and receptions.

The Feast of the Hunter's Moon is a popular re-enactment of a local historical event that is sponsored by the TCHM. The Association also sponsors an archeological excavation on the suspected site of Fort Ouiatanon, which is a mile from the present site of the Fort Ouiatanon Park and Museum, which is also operated by the Association in co-operation with the County Park Board.

The Association also provides historic site markers for significant sites in the county and several publications of local interest.
The Feast of the Hunter's Moon is growing in popularity in the Tippecanoe County area, and is becoming a much needed source of income for the Tippecanoe County Historical Association. However, it seems that the Feast re-enactment is also drawing attention away from the already scant financial concern for the Historical Museum. While the Feast is certainly valuable to the historic understanding of Tippecanoe County, it has limited scope, and can hardly overshadow the importance of an active and healthy historical museum. The museum has managed to grow annually in total number of visitors, most notably in the random visitors count, which is quite encouraging. However, I feel that any advances in the success of the museum has largely been through the purely physical efforts of the staff and volunteers, and not through a public draw such as new facilities or other financially supported efforts.

The museum, as was previously stated, is housed in the old Moses Fowler Home. It is stuffed with articles, some more relevant than others, that are fairly well cared for, but certainly not displayed to the optimum degree. As is recognized by Mr. Harris, the Director, the Fowler Home is just that—a home—and as such does not adequately satisfy the space requirements of a historical museum, and, at times, directly conflicts with proper display techniques. Old homes are fine for small town museums, however, the Tippecanoe County Historical Museum, with its extensive collections, is no longer a small-town museum, and to the contrary is physically ready to accept a larger responsibility.
in the community and to expand its facilities.

Every area of the museum has its conflicts between present conditions and optimum operation. Some of these are as follows:

**Exhibition Space:** poor display lighting—both intensity and position.
poor quality displays—amateurish.
lack of security.
lack of definite story line or historical sequence.
old cases have old glass that is difficult to see through.
display labels are hard to read and are not consistent
cases often cover significant architectural elements of the fine old home.
natural light is always present, hastening decay of articles.

**Office Space:** poorly related
lack proper storage

**Workrooms:** inadequate space
small passage doors
lack adequate vertical transportation.
poorly related

**Educational Space:** lacks large meeting space.
lacks adequate services.
lacks proper storage space

**Library Space:** not climate controlled
is too heavy for Fowler Home structure
lacks security for old books

**Storage Space:** not organized
inadequately sized
not conveniently located.
not climate controlled.

These factors—the physical inadequacy of the present museum,
the expanding collections and programs of the museum, and the need for renewed interest in the museum functions of the association—lead the Association to consider monetary investments in new facilities in which to house the museum and its programs.
There is a continual discussion among architects and urban designers as to whether cultural facilities in a city should be centralized or decentralized. Indeed, it is a subjective but very important decision, requiring exhaustive study and analysis. Initially, I felt that it was very important to conduct such a study of the Lafayette area to determine which course of action would be best before investing a large sum in a new facility. I still feel this is very important, but I also feel only a complete study of the situation would be adequate, and lacking proper time, I must resort to other opinions and preconceptions.

It has been suggested by the Director and others that it is important that the historically significant Fowler Home, which is on the National Register, be maintained by the Historical Association. They feel that an economical solution to this stipulation is to build on the existing museum's site at 10th and south streets. This is a very valuable and challenging selection, so I will enthusiastically accept this site as given, and I will work on its many advantages and complications.
The Moses Fowler House, built in 1851-1852, has served as the Tippecanoe County Historical Museum since 1941. The house (see photo 2) was built in the "Gothic Revival" style, quite a departure from the prevalent Classical style.

The house is a three-story, brick or clay tile home with a full basement. Following are plans showing the various rooms and probable historic uses of each. The exterior of the home is stuccoed, and has wood and limestone trim. The roof is slate, and the basement walls are partly poured concrete and partly fieldstone.

The interior of the home is rather grand and elaborate, especially the first floor, where there are cast plaster trim and ceilings and carved limestone fireplaces. The walls are plaster except in the dining room, where they are paneled in wood, and the floors are all hardwood. The woodwork of the interior is native black walnut, and all work, with exception of the plaster ceilings, was done by local craftsmen.

The house was remodeled in 1916. Although the basic structure of the existing home was not altered, a new wing to the Southeast was added. At this time, the grounds, which had been laid out in English Country style, were changed to a formal Italian configuration with pool and belvedere. The gazebo is now destroyed and the pool lies under several inches of soil (see photo 3).

The formal terrace is recently renovated (photo 3), and provides a medium sized paved exterior space (see photos 5 & 6) from which a potentially pleasing view of the rear of the site is enjoyed (photo 4).
<table>
<thead>
<tr>
<th>room</th>
<th>ceiling</th>
<th>sq. feet</th>
<th>present use</th>
<th>historic use</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6'10&quot;</td>
<td>370.5</td>
<td>curator's office</td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>6' 6&quot;</td>
<td>450</td>
<td>storage</td>
<td>wine cellar</td>
</tr>
<tr>
<td>C</td>
<td>6'10&quot;</td>
<td>324</td>
<td>workroom</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>7' 4&quot;</td>
<td>408</td>
<td>genealogical study</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>7'4&quot;</td>
<td>325.5</td>
<td>genealogical library</td>
<td>coal room</td>
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<tr>
<td>F</td>
<td>6' 4&quot;</td>
<td>217.5</td>
<td>archive</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>8' 4&quot;</td>
<td>212.5</td>
<td>boiler room</td>
<td>boiler room</td>
</tr>
<tr>
<td>H</td>
<td>8' 4&quot;</td>
<td>161</td>
<td>laundry*</td>
<td>laundry</td>
</tr>
<tr>
<td>I</td>
<td></td>
<td>13.5</td>
<td>toilet</td>
<td>toilet</td>
</tr>
<tr>
<td>J</td>
<td>8' 4&quot;</td>
<td>57</td>
<td>storage</td>
<td>storage</td>
</tr>
<tr>
<td>K</td>
<td>8' 4&quot;</td>
<td>651</td>
<td>workshop/storage</td>
<td>garage</td>
</tr>
<tr>
<td>L</td>
<td>8' 4&quot;</td>
<td>162</td>
<td>drive</td>
<td>carriage drive</td>
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notes:

* indicates custodial suite space
<table>
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<td>2-s</td>
<td>245</td>
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<td>foyer</td>
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<td>B</td>
<td>12' 5&quot;</td>
<td>380.3</td>
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<td></td>
<td>21</td>
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<td>toilet</td>
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<td>D</td>
<td>12' 5&quot;</td>
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<td>12' 5&quot;</td>
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<td>exhibition/office</td>
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<td>I</td>
<td>12' 5&quot;</td>
<td>114.8</td>
<td>museum kitchen</td>
<td>serving pantry</td>
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<tr>
<td>J</td>
<td>12' 6&quot;</td>
<td>578</td>
<td>library</td>
<td>south gallery</td>
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<td>76.5</td>
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<td></td>
</tr>
<tr>
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<td>85.5</td>
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<td></td>
</tr>
<tr>
<td>N</td>
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<td>653</td>
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<td>porch</td>
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<td>O</td>
<td>none</td>
<td>1677</td>
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**notes:**

* indicates custodial suite space
<table>
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<th>room</th>
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<th>sq. feet</th>
<th>present use</th>
<th>historic use</th>
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<td>bedroom</td>
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<tr>
<td>C</td>
<td></td>
<td>65</td>
<td>storage</td>
<td>bathroom</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>60</td>
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<td>bathroom</td>
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<td>E</td>
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<td>F</td>
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<td>168</td>
<td>director's office</td>
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</tr>
<tr>
<td>G</td>
<td></td>
<td>35</td>
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<td>bathroom</td>
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<tr>
<td>H</td>
<td>10' 4&quot;</td>
<td>156</td>
<td>secretary's office</td>
<td></td>
</tr>
<tr>
<td>I</td>
<td></td>
<td>95</td>
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<td>132</td>
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<td>L</td>
<td></td>
<td>63</td>
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<td>M</td>
<td></td>
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<td>N</td>
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<td>O</td>
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<td>balcony</td>
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<tr>
<td>Q</td>
<td></td>
<td>170</td>
<td>exhibition</td>
<td>(unsympathetic add...</td>
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**Notes:**

* indicates custodial suite space
<table>
<thead>
<tr>
<th>room</th>
<th>ceiling</th>
<th>sq. feet</th>
<th>present use</th>
<th>historic use</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>178.5</td>
<td>storage</td>
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<tr>
<td>B</td>
<td></td>
<td>224</td>
<td>storage</td>
<td></td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>162</td>
<td>circulation</td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>none</td>
<td>221</td>
<td>scholar workroom</td>
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<tr>
<td>E</td>
<td></td>
<td>256</td>
<td>storage</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td></td>
<td>117</td>
<td>storage</td>
<td></td>
</tr>
<tr>
<td>G</td>
<td>none</td>
<td>640</td>
<td>attic storage</td>
<td>attic storage</td>
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**Notes:**
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<th>Sq. Ft.</th>
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<tbody>
<tr>
<td>Exhibition</td>
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<tr>
<td>Storage</td>
<td>2516.5</td>
</tr>
<tr>
<td>Office/workshop</td>
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<td>Library</td>
<td>578.0</td>
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<tr>
<td>Genealogy</td>
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<td>Custodian suite</td>
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<td>Mechanical/service</td>
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<tr>
<td>Circulation</td>
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<tr>
<td><strong>Total Existing</strong></td>
<td><strong>9897.3</strong></td>
</tr>
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**Notes:**
north elevation
The site of the present Tippecanoe County Historical Museum, at 10th and South Streets (see aerial photo and following map), is approximately 1 acre in area with a 79.5' frontage on South Street, a 152.5' frontage on 9th Street, a 284.5' frontage on 10th Street and a 200' rear property line, and is owned by the Tippecanoe County Historical Association. A .9 of an acre portion of land directly to the south of the museum's property was at one time owned by the museum, but was sold to the Lafayette Art Center, which built an approximately 8250 square ft. building and a 40 car parking lot on the site. This site could be bought back at a reasonable price, for the Art Center is looking for larger quarters. A railroad right-of-way runs through the corner of the site, but there are proposals to relocate the tracks at the river, freeing up the land for park development - an additional plus for the present site. A .3 of an acre site on the corner of 9th and South Streets houses a 360 square foot advertising art shop, which could conceivably be purchased in order to clean-up the views of the old Fowler Home from that corner. With the purchase of these tracts, a 2.2 acre site could be assembled to form a workable site to accept a new museum.

The following site impact analysis and locational maps show various amenities on the site.
Visual focus

Open space

Visual distraction

Intermittent barrier

Views

Urban

Natural

Hard edges

Soft edge

Notes:

*The railroad tracks may be removed under the proposed railroad relocation plan; if this happens, there should be possible designs to allow for a park strip through the site.
Parking
museum

art center

other

Noise from off site

Vehicular traffic

Pedestrian traffic

Entries to the site
pedestrian

vehicular

Main entry to existing museum

Stop light

Railroad signal

Railroad

notes:
Deciduous Tree groups

Coniferous tree groups

Shrub groups

notes:

*Soils on this site are well suited to the growth of black locust, white pine, black walnut and tulip poplar.¹*


[Signature]
Tippecanoe County Historical Museum
Steven P. Turnipseed, Thesis 74-75
Direction of drainage

Street drainage

Catch basins

Ancient drainage path

notes:
Gas lines
Electric Lines
Telephone lines
Water lines
Sewage lines

Existing poles

notes:
The immediate neighborhood of the Historical Museum is quite varied - included in its neighbors are businesses, new expensive homes, old expensive homes, old inexpensive homes, and inexpensive apartments. The site is located on the end of a large drainage valley, and is located close to the edge of the CBD. The following maps show these and other characteristics. Notice the two tracts of land just off the site in both directions along the R.R. tracks, which offer interesting possibilities for park development.
Ec    Eel bottomland
Rq    Russell (8 -12% slope)
Rs    Russell (12-25 % slope)
Ro
Fb
Hb
Mv    Miami

notes:
* Eel bottomland dominates the existing museum site. It is subject to flooding, and is consequently rated severe for building. It has fair to poor shear strength, low shrink-swell, and medium to high compressibility.
Existing contours (USGS map)

Actual uses of existing structures

1 Tippecanoe County Historical Museum
2 Lafayette Art Center
3 Advertising agency
4 Insurance agency
5 Two apartments
6 Realty office in old home
7 Office in old home
8 Newer office building
9 Music company in old home
10 Old home
11 Old apartments
12 Old apartments
13 Food store in old filling station (remodeled)
14 Newer office building
15 Smaller, closely spaced homes
16 Two medium sized old homes
17 Large old home
18 New homes
19 New homes
20 Large old home

Notes:
Bus routes

Pedestrian circulation

Major slopes

Major open space

Views from neighborhood

Winter winds

Summer breeze

notes:

If railroad right-of-way becomes a park strip, pedestrian circulation in this strip will undoubtedly increase.
Major vehicular circulation

Minor vehicular circulation

Vehicular control node

Railroad right-of-way*

Vehicular/railroad conflict node

Off street parking

Major tree groups

notes:

* Railroad right-of-way may become free space if the r.r. relocation plan now under study is implemented. This land is slated to become a park strip.
CB - central business district
GB - general business district
LB - local business district
R1B - high density, single-family residential
R-2 - med. density, single & two-family residential
R-3 - high density, single, two-family and multiple-family residential

notes:
The following map shows some of the major cultural facilities in the area of the museum site as well as some of the other major nodes. Not that the museum site lies on two major city arteries and is very near the Central Business District.
Site (Tippecanoe County Historical Museum)

Library

Grade schools

Junior high schools

Jefferson high school

Zoo

Children's theatre

Parks

Central business district

Courthouse square

City hall

Hospitals

Major streets

- One way

- Two way

Railroad lines

Notes:
The following county map shows some of the major impact features of the county. Notice the location of the Quiatenon Park and the Tippecanoe Battlefield. Also note how close the present museum site is to the geographical center of the county.
Site

Lafayette

West Lafayette

Fort Quiatenon Park and Museum

Tippecanoe Battlefield

Purdue University

Wabash River

Interstate 65

Significant Historical Markers

1 Propet's Rock
2 Site of Prophet's Town
3 Site of "Spurs Defeat"
4 Site of Dayton Mill (1855)
5 Ancient Bur Oak
6 Site of Shawnee Indian Village
7 Harrison Campsite

Notes:
The Tippecanoe County Historical Association is headed by a 36 member Board of Governors, which selects a Director and a Staff. (See organizational chart on next page).

The present paid museum staff consists of a Director and an Assistant Director, who take care of the administrative duties, a Curator of Collections to take charge of the cataloging and the care of the accessions, a Receptionist to handle visitor questions and appointments, and two live-in caretakers to take care of the grounds and maintenance. There are presently three volunteer Jurators: one in Genealogy, one in Education, and one in Paintings. There is one position on the chart that requires no space in the museum, the Manager of the Blockhouse at Fort Ouiatenon Park. The Secretary for the Feast of the Hunter's Moon does require space at the museum for approx. five months.

The Board of Governors holds monthly meetings at the Historical Museum, although there is no single space of sufficient size for the meeting. Committee meetings are supposed to be held regularly, but space at the museum is lacking for such purposes. A Saturday children's program is held at the museum without proper facilities, as are other such programs of education.
The Tippecanoe County Historical Museum is no special exception to the usual operation of a historical museum. It accepts, cares for and displays relevant historical materials; it offers history programs for children and adults; and it provides information and research material for patrons. Consequently, the needs of the museum are those facilities that will facilitate the performance of these services at a scale sympathetic with the resources and the goals of the Association.
<table>
<thead>
<tr>
<th>Needs</th>
<th>Space Assignment</th>
<th>Square feet</th>
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</thead>
<tbody>
<tr>
<td>entry space, sitting area, waiting, information, coats, central space of museum, patron services</td>
<td>Lobby entry</td>
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</tr>
<tr>
<td></td>
<td>coat storage</td>
<td>125</td>
</tr>
<tr>
<td></td>
<td>information/sales desk</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>seating areas</td>
<td>500</td>
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<td></td>
<td>public toilets</td>
<td>300</td>
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<td></td>
<td>info desk storage</td>
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<tr>
<td></td>
<td>phones</td>
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<tr>
<td>student group orientation, committee meetings, small receptions (125), space for showing movies, student programs, etc.</td>
<td>Multi-purpose Space projection room</td>
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<td>AV storage</td>
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<td>wet area</td>
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<td></td>
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<tr>
<td></td>
<td>multi-purpose space</td>
<td>900</td>
</tr>
<tr>
<td>three times as much space to set up displays in, as flexible as feasible</td>
<td>Exhibition Space permanent</td>
<td>7000</td>
</tr>
<tr>
<td></td>
<td>changing/traveling</td>
<td>800</td>
</tr>
<tr>
<td>a controlled space in which to safely store books, photos and slides of historic value, information books, etc., open to the public, space to read in</td>
<td>Library stacks</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>reading/study area</td>
<td>180</td>
</tr>
<tr>
<td></td>
<td>photo/slide library</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>rare books</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td>librarian/book repair</td>
<td>130</td>
</tr>
</tbody>
</table>

**Space allocations**

56 page
<table>
<thead>
<tr>
<th>Needs</th>
<th>Space Assignments</th>
<th>Square feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>space for director, assistant director, secretary, and curators to</td>
<td>Administrative</td>
<td></td>
</tr>
<tr>
<td>do work, to use as a base, to be available to the public, to do</td>
<td>director's space/lounge</td>
<td>300</td>
</tr>
<tr>
<td>book keeping, etc.</td>
<td>vault</td>
<td>100</td>
</tr>
<tr>
<td>space to handle the delivery of items, traveling shows, etc., and</td>
<td>secretary/waiting</td>
<td>150</td>
</tr>
<tr>
<td>their proper care and assemblege.</td>
<td>buisness office</td>
<td>150</td>
</tr>
<tr>
<td>space for the preparation of exhibits, and the recording and other</td>
<td>storage</td>
<td>100</td>
</tr>
<tr>
<td>paperwork.</td>
<td>assistant director's space</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td>curator's offices (4 @ 100)</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>toilet</td>
<td>140</td>
</tr>
<tr>
<td></td>
<td>Operations</td>
<td></td>
</tr>
<tr>
<td></td>
<td>service entrance</td>
<td></td>
</tr>
<tr>
<td></td>
<td>loading dock</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>2 car storage</td>
<td>400</td>
</tr>
<tr>
<td></td>
<td>large item storage</td>
<td>3000</td>
</tr>
<tr>
<td></td>
<td>trash space</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>receiving room</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>empty box storage</td>
<td>200</td>
</tr>
<tr>
<td></td>
<td>registrar's space</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>registrar's storage</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>registrar's vault (records)</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>photography lab</td>
<td></td>
</tr>
<tr>
<td></td>
<td>wash room/supplies</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>dark room</td>
<td>75</td>
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<tr>
<td></td>
<td>art shop</td>
<td>325</td>
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<tr>
<td></td>
<td>carpenter shop</td>
<td>400</td>
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<tr>
<td></td>
<td>wood storage</td>
<td>80</td>
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<tr>
<td></td>
<td>flammables storage</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td>exhibit construction</td>
<td>400</td>
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<tr>
<td></td>
<td>preparation and restoration</td>
<td>350</td>
</tr>
<tr>
<td></td>
<td>materials storage</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>general storage</td>
<td>400</td>
</tr>
<tr>
<td>Needs</td>
<td>Space Assignment</td>
<td>Square feet</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>---------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>space for the safe storage of the collections of the museum and to allow for the convenient study of most of the museum's collections</td>
<td>toilets</td>
<td>140</td>
</tr>
<tr>
<td></td>
<td>freight elevator</td>
<td>150</td>
</tr>
<tr>
<td>Storage space</td>
<td>active storage</td>
<td>7500</td>
</tr>
<tr>
<td></td>
<td>assisted study room</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td>final prep space</td>
<td>300</td>
</tr>
<tr>
<td></td>
<td>inactive storage</td>
<td>3000</td>
</tr>
</tbody>
</table>

**Space Totals**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<th></th>
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<tr>
<td>lobby</td>
<td></td>
<td>1185</td>
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<tr>
<td>multi-purpose</td>
<td></td>
<td>1410</td>
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<tr>
<td>exhibition</td>
<td></td>
<td>7800</td>
</tr>
<tr>
<td>library</td>
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<td>950</td>
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<td>1460</td>
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<tr>
<td>operations</td>
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<td>7500</td>
</tr>
<tr>
<td>storage</td>
<td></td>
<td>10950</td>
</tr>
<tr>
<td><strong>Sub-total</strong></td>
<td></td>
<td><strong>31255</strong></td>
</tr>
<tr>
<td>20% mechanical, circulation, and maint.</td>
<td></td>
<td>6251</td>
</tr>
<tr>
<td><strong>Grand total</strong></td>
<td></td>
<td><strong>37506</strong></td>
</tr>
</tbody>
</table>
KEY TO PROGRAM RELATIONSHIPS TABLE

The circles on the following tables generally represent the relative sizes of the program spaces and their fundamental relationship. The importance of the relationship is designated in the following manner:

- **absolute (adj.)** required
- **highly desirable**
- **desirable**

When direct entrances are desired, the importance is indicated by:

- **required**
- **desired**

---

**Diagram**

- **Entire Addition**
  - Private & delivery
  - Operations
  - Exhibition space
  - Administrative
  - Library
  - Exterior space
  - Lobby
  - Multi-purpose
  - Exterior space
  - Public
  - Storage space

---

**Relationships diagrams** (preliminary)
notes on relationships diagrams:

- Should curators be closer to collection storage/ice storage?
- Carpenter shop/buger/or construct exhibits in receiving area?
- Photography related to L.V. storage
- Curators related to library
- Should there be direct access to director's office?
- How about view of old museum from lobby?
- How about an exercise display case?
- For large items, could demos (e.g.)
In the planning process of every building there comes a time when the subject of how much to spend and how to get it enters the scene. To be truthful, the Tippecanoe County Historical Association cannot presently afford the much needed expansion of their facilities in the quantity and quality that is forming the basis for this thesis project. However, one could consider the economic interpretation of the old query about the chicken and the egg, and must wonder if the addition will come as a result of the money, or if the money will come as a result of the addition. The museum is in dire need of added stimulation.

**Receipts**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>County Appropriations</td>
<td>$8,000</td>
</tr>
<tr>
<td>Membership Dues</td>
<td>4,026</td>
</tr>
<tr>
<td>Contributions and Miscellaneous</td>
<td>1,498</td>
</tr>
<tr>
<td>Sales and Admissions</td>
<td>15,098</td>
</tr>
<tr>
<td>Trust Income</td>
<td>26,364</td>
</tr>
<tr>
<td>Principal and Other Interest Income</td>
<td>4,234</td>
</tr>
<tr>
<td>Feast of the Hunter's Moon</td>
<td>37,560</td>
</tr>
<tr>
<td><strong>Total Receipts</strong></td>
<td>96,771</td>
</tr>
</tbody>
</table>

**Expenditures**

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries and Wages</td>
<td>29,520</td>
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<tr>
<td>activities</td>
<td>5,152</td>
</tr>
<tr>
<td>Feast of the Hunter's Moon</td>
<td>22,330</td>
</tr>
<tr>
<td>Museum Property</td>
<td>7,314</td>
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<tr>
<td>Utilities</td>
<td>3,478</td>
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<tr>
<td>Equipment, repairs, supplies</td>
<td>2,174</td>
</tr>
<tr>
<td>Insurance</td>
<td>428</td>
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<tr>
<td>Material for Resale</td>
<td>12,395</td>
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<tr>
<td>General and Miscellaneous</td>
<td>1,742</td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td>84,533</td>
</tr>
</tbody>
</table>

Above is a financial statement for 1973-74 for the Association.
One can see the pattern of income and expenses. A large portion of the Association's income comes from a trust fund set up by the original benefactor. Considerable profit is also generated by the Feast of the Hunter's Moon and by an appropriation from the county. The city, although the major beneficiary of the Museum's programs, provides no special appropriation.

Any new addition will, of course, increase expenditures in such areas as salaries, insurance, utilities, equipment, repairs, and maintenance costs, and must be provided for.

The Historical Association has several possible sources of building funds. Such small scale fund drives as special item sales (spoons, plates, etc.) can often supply funds for a professional feasibility study and critical path analysis of the proposed new museum, which can then be used to impress such local and state foundations as Duncan Meter and Lilly with the preparedness of the Association to undertake such a project.

Investigation and application would be made to every possible Federal source of monetary aid. A pay-as-you-go system, implemented with a good phasing plan, could be adopted in the form of a reserve fund or a sinking fund. A tax levy for several years could be imposed on the citizens of Lafayette. Perhaps a combination of the above sources would make expansion a reality.

This thesis project will be conducted with a real emphasis on solving for future needs with limited restrictions as to budget. As such, it has limited value to the Historical Association, and is, by no means, considered by me as a complete solution to the Association's expansion problems.
Following is a chart of significant weather statistics which are useful in designing the museum addition. Notice the insulating effects of the ground - frost depth in this area is approximately 33".
(1) Mean daily maximum temperature (°F)
(2) Mean daily minimum temperature (°F)
(3) Mean precipitation totals (inches)
(4) Mean monthly snow, sleet (inches)
(5) Average daily solar radiation (Langley's*)
(6) Average daily minimum relative humidity (%)
(7) Prevailing wind direction
(8) Average daily wind velocity (mph)
(9) Average daily bare soil minimum temperature
(10) Average daily bare soil maximum temperature

<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Annual</th>
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</thead>
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<td>31.5</td>
<td>36.0</td>
<td>45.3</td>
<td>60.9</td>
<td>71.2</td>
<td>80.6</td>
<td>84.5</td>
<td>82.8</td>
<td>52.2</td>
<td>65.9</td>
<td>49.9</td>
<td>36.5</td>
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<td>18.1</td>
<td>27.0</td>
<td>40.3</td>
<td>49.4</td>
<td>58.5</td>
<td>62.0</td>
<td>59.7</td>
<td>52.2</td>
<td>42.0</td>
<td>31.1</td>
<td>20.3</td>
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<td>1.81</td>
<td>1.41</td>
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<td>4.31</td>
<td>3.94</td>
<td>3.85</td>
<td>4.74</td>
<td>3.38</td>
<td>2.62</td>
<td>2.69</td>
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<tr>
<td>4.8</td>
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<td>151</td>
<td>248</td>
<td>307</td>
<td>380</td>
<td>424</td>
<td>493</td>
<td>497</td>
<td>478</td>
<td>282</td>
<td>279</td>
<td>149</td>
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<td>317</td>
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<td>69</td>
<td>56</td>
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<tr>
<td>W</td>
<td>SW</td>
<td>SW</td>
<td>SSW</td>
<td>S</td>
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<td>SSW</td>
<td>S</td>
<td>S</td>
<td>S</td>
<td>W</td>
<td>W</td>
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<tr>
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<td>10</td>
<td>10</td>
<td>8</td>
<td>7</td>
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<td>5</td>
<td>10</td>
<td>8</td>
<td>10</td>
<td>8</td>
</tr>
<tr>
<td>38.6</td>
<td>36.2</td>
<td>39.1</td>
<td>49.4</td>
<td>59.1</td>
<td>69.0</td>
<td>75.5</td>
<td>74.8</td>
<td>70.0</td>
<td>59.7</td>
<td>50.1</td>
<td>42.0</td>
<td>55.3</td>
</tr>
<tr>
<td>43.7</td>
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<td>40.9</td>
<td>46.5</td>
<td>53.5</td>
<td>60.7</td>
<td>66.7</td>
<td>69.0</td>
<td>67.4</td>
<td>61.7</td>
<td>54.7</td>
<td>47.7</td>
<td>54.5</td>
</tr>
</tbody>
</table>

* Daily gram calories per square centimeter on a horizontal surface
<table>
<thead>
<tr>
<th>Jan</th>
<th>Feb</th>
<th>Mar</th>
<th>Apr</th>
<th>May</th>
<th>Jun</th>
<th>Jul</th>
<th>Aug</th>
<th>Sep</th>
<th>Oct</th>
<th>Nov</th>
<th>Dec</th>
<th>Annual</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>38.7</td>
<td>37.1</td>
<td>40.3</td>
<td>50.9</td>
<td>60.3</td>
<td>69.6</td>
<td>76.6</td>
<td>76.2</td>
<td>71.2</td>
<td>60.7</td>
<td>51.2</td>
<td>42.8</td>
</tr>
<tr>
<td>0°</td>
<td>44.1</td>
<td>41.2</td>
<td>41.3</td>
<td>47.3</td>
<td>54.8</td>
<td>61.8</td>
<td>67.9</td>
<td>70.0</td>
<td>68.5</td>
<td>62.7</td>
<td>55.6</td>
<td>48.5</td>
</tr>
</tbody>
</table>

The major guidelines for this project will be The National Life Safety Code, The Indiana Building Rules and Regulations, and the Unified Zoning Ordinance of Tippecanoe County, Indiana.

Chapters of special interest in the Unified Zoning Ordinance include Chapter 3 - Authorized Uses: sec. 3.3- special exceptions, sec. 3.4- variances, and sec. 3.5- non-conforming uses; and Chapter 4 - Use Requirements: sec. 4.1- height of structure, sec. 4.5- minimum lot size: uses requiring special exceptions, sec. 4.9- setbacks: uses requiring special exception, sect's 4.10, 4.11, and 4.12- buffering, sec. 4.13- entrances, sec. 4.14- loading, sec. 4.15- parking, and sec. 4.17- signs.

Local codes are rather flexible, especially in the case of public betterment projects such as cultural facilities.

The building type falls under group B occupancy - assembly for less than 450. It would probably be wise, because of fire hazard, permanence requirements, and local construction, that the building be constructed of type I or II construction.
A State Museum, by John M. Harris. Unpublished term paper.


Proposed Exhibit Plan for the Tippecanoe County Historical Museum, by John M. Harris.


Phase II:
Schematic Design
SCHEMATIC DESIGN
for proposed
Additions and Alterations
to the
TIPPECANOE COUNTY HISTORICAL MUSEUM

by
Steven P. Turnipseed
in partial completion of
the requirements for a
Bachelor of Architecture Degree
at
Ball State University
Muncie, Indiana
1974-75
phase II: schematic design

- analysis
  site coverage 1
  site design analysis 3
  alteration tolerances 5
- schematic concepts
  concept one 10
  concept two 12
  concept three 14
- final schematic
  design 16
  evaluation 23
@ 1 story, addition would cover 43% of the total site or 187.5' x 200' wide

@ 2 story, addition would cover 22% of the total site or 93.8' x 200' wide

@ 3 story, addition would cover 14% of the total site or 62.5' x 200' wide

@ 4 story, addition would cover 11% of the total site or 46.9' x 200' wide

Notes:
possible neighborhood park

possible park strip (railroad right of way)

major buildable open space

possible pedestrian entry spaces

entry space relationships

garden to be restored

possible connection to existing building

only main entry to Fowler Home

notes:
Spaces that should not be physically altered - spaces that are particularly fancy or elaborate - spaces that would be good to preserve as rooms in a period home for the public.

Spaces that are important because of function, but are not particularly fancy - spaces that are in good shape - spaces that are interesting - spaces in prominent locations.

Spaces that are out of the way - spaces that are not clear as to historical function - spaces in poor shape - spaces that are severely plain.

Spaces that are in poor shape - spaces that could possibly be completely altered - spaces in poor location to entry - spaces in good location for vertical circulation.
third floor plan
second floor plan

Canoe county historical museum
A p Turnipseed thesis 74-75

scale: $\frac{1}{16}\text{ " }1\text{-"'}$
main museum entry - centrally located, symbolizes garden belvedere'.

main museum - located on cleared land, steps up freely, volumes change in imitation of Fowler Home massing, terraces and courts on roofs, plantings to soften edges.

car entry to parking - under main museum, off of less traveled 10th Street, near main entry and future expansion.

possible overflow parking - especially at night, when offices there will not need it.

neighborhood park - part of future park strip in place of the railroad tracks, flows across street onto site, serves to draw pedestrians into museum.

restored garden - serves as main connector between the old Fowler Home and the main museum, serves as entry court to museum entry.

possible future expansion - two homes could be removed and future expansion can dig into the hillside.

notes:
main museum entry - located close to pedestrian circulation, in park strip, very visible.

main museum - partially underground, glazing visible in the rear.

main museum - completely underground, connects to Fowler Home, does not continue under the home.

neighborhood park - park in place of railroad tracks, continuous park strip.

entry court - part of park strip that serves to direct pedestrians to the main entry.

restored garden - serves as an exterior court, as an entry court for car pedestrians is built over the main museum.

parking - ground level parking garden, could later become a parking structure.

possible future expansion - could expand above parking or below.

possible overflow parking - especially at night, when the offices there will not be using it.

car entry - off of the less used 10th street.
main museum entry - centrally located, symbolizes garden belvedere.

entry court - draws people in from 9th street.

garden restoration - serves as entry court for main museum, constructed over main museum.

main museum - partially underground, some glazing visible.

main museum - completely underground, connects to basement of Fowler Home.

parking - ground level, related to main museum entry, could be parking garden or a parking enclosure.

possible future expansion - could expand over or under parking.

possible overflow parking - especially at night, when offices there will not be using it.

car entry - off of less traveled 10th street, to on grade parking.

concept three
1 Existing museum (Fowler Home)
2 Existing terrace
3 Restored garden connects to parking garden
4 Entries/exits
5 Skylights/windows
6 Garden skylight
7 Exterior meeting space
8 Service drive
9 Entry court

notes:
1 Upper exhibition space
2 Ramp down to exhibition floor
3 Lobby
4 Information/sales
5 Coats
6 Entry ramp
7 Enclosed garden
8 Stairs up to Fowler Mansion
9 Stairs down to toilets and operations spaces
10 Library
11 Multi-purpose space
12 Kitchen
13 Projection booth
14 Photo equipment storage
15 Storage
16 Mechanical
17 Sales storage
18 Expansion space
19 Loading dock
20 Trash
21 Receiving lift
22 Stairs down to receiving
1 Exhibition space
2 Ramp up to lobby
3 Storage
4 Mechanical
5 Receiving lift
6 Receiving
7 Large item storage
8 Stairs up to dock
9 Registrar
10 Vault
11 Registrar's storage
12 General storage
13 Photographer
14 Darkroom
15 Restoration & preparation
16 Flamables storage
17 Art shop
18 Empty crate storage
19 Wood storage
20 General workroom
21 Cabinet shop