

It is necessary that additional space be provided in the high schools of Loudoun County to house an additional grade in 1949-50 because the first 8th grade becomes the 12th grade in that year. Our present high school courses and buildings do not comply with the standards for a modern comprehensive high school. The following indicate a study of three possible courses in relation to high school education for white children.

1. A single high school
2. Two high schools
3. Four high schools

SINGLE HIGH SCHOOL

It is proposed that the county of Loudoun consider the establishment of a single high school at a central point in the county, between Hamilton and Paconian Springs on or near route 7, the school to be ready for occupancy in September 1949. The estimated enrollment is as follows:

8th grade	-	250
9th grade	-	200
10th grade	-	175
11th grade	-	150
12th grade	-	125
Total	-	<u>900</u>

To conserve present building space as much as possible and without complicating transportation the 8th grade can readily be retained at Leesburg from the areas of Sterling, Arcola, Ashburn, Lucketts and Leesburg and at Lovettsville from the Lovettsville school alone. The estimated 8th grade enrollment at these points is Leesburg 98 and Lovettsville 22.

The 8th grade would then be set up at the central school for pupils from the areas of Aldie, Middleburg, Bluemont, Round Hill, Purcellville, Lincoln, Hamilton, Hillsboro and Waterford. At the central school the estimated 8th grade enrollment would then be

Lacks 10

SUMMARY OF DATA

FOUR HIGH SCHOOLS

	<u>CLASSROOM EQUIVALENTS</u>	<u>ENROLLMENT</u>
Aldie	20	150
Leesburg	32	330
Lincoln	19	280
Lovettsville	<u>19</u>	<u>140</u>
Total	90	900

TWO HIGH SCHOOLS

Leesburg	37	475
Lincoln	<u>27</u>	<u>425</u>
Total	64	900

ONE HIGH SCHOOL

Central High School	60	*790
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\*8th grade retained at Lovettsville and Leesburg

ESTIMATED COSTS

	<u>4 H. S.</u>	<u>2 H. S.</u>	<u>1 H. S.</u>
Buildings (\$12,000 per room)	1,080,000	768,000	720,000
Land	5,000	5,000	10,000
Equipment	<u>20,000</u>	<u>20,000</u>	<u>20,000</u>
Total	<u>1,105,000</u>	<u>793,000</u>	<u>750,000</u>

COST OF DEBT SERVICE

Debt Service Principal	36,830	26,430	25,000
Debt Service Interest (3%)	<u>33,150</u>	<u>23,790</u>	<u>22,500</u>
Total Debt Service	69,980	50,220	47,500
Tax Rate	35 cents	25 cents	24 cents

Lovettsville High School

Estimated Enrollment 140

School Now Has -

For High School

- 1 - small office
- 1 - small library room
- 1 - stage classroom
- 1 - small home economics room
- 1 - commercial room
- 1 - laboratory
- 3 - regular classrooms.

For Elementary School

- 6 - regular classrooms
- 1 - ground floor room with modine heater

Build to provide -

CLASSROOM  
EQUIVALENTS

2 - commercial rooms	1½
1 - library room	1
1 - library workroom	1½
1 - agricultural classroom	1
1 - agricultural shop	1
1 - auditorium to seat 500	5
1 - standard gymnasium	4
1 - home economics unit	2
1 - teacher's rest room	1½
1 - clinic	1½
	<u>17</u>
Converting equals	<u>2</u>
Total	19

- Convert present library to office
- Convert present auditorium to dining room
- Use present kitchen for lunch kitchen
- Convert present stage room to regular classroom
- Enlarge industrial arts shop
- Convert present commercial room to regular classroom

**SUGGESTION:**

Part of space may be provided by building separate elementary unit on a separate lot.

Acquire separate site and build a new elementary school -

	<u>CLASSROOM EQUIVALENTS</u>
12 - classrooms	12
1 - auditorium - gymnasium	4
1 - kitchen	1
1 - dining room	3
1 - clinic	1
1 - office	1
1 - library	1
	<u>22</u>
Total	32

A Study of Building Needs at  
Lincoln High School

Estimated Enrollment - 280

This plant now has a home economics cottage, shop for industrial arts and agriculture combined, and

- 1 - small kitchen
- 1 - small office
- 1 - library
- 2 - commercial rooms
- 1 - stage room
- 1 - downstairs classroom with modine heater
- 6 - regular classrooms
- 1 - basement laboratory (unsuitable)

Build to provide the following:

	<u>CLASSROOM EQUIVALENTS</u>
1 - laboratory	1 $\frac{1}{2}$
2 - commercial rooms	1 $\frac{1}{2}$
1 - library room	1
1 - library work room	1
1 - agricultural classroom	1
1 - agricultural shop	1
1 - auditorium to seat 500	5
1 - gymnasium standard size	4
1 - clinic	1
1 - teacher's rest room	1
1 - kitchen	1
Converting	<u>17 <math>\frac{1}{2}</math></u>
Total	<u>19</u>

- Convert present commercial room into classroom
- Convert present library room into classroom
- Convert stage room into classroom
- Convert auditorium into dining room
- Convert present kitchen into part of office

Build on additional site -

CLASSROOM  
EQUIVALENTS

1 - laboratory	1½
2 - commercial rooms	1½
1 - agricultural classroom	1
1 - agricultural shop	1½
1 - standard gymnasium	4
1 - auditorium to seat 400	4
1 - teacher's rest room	1½
5 - regular classrooms	5
	<u>19</u>
Converting and enlarging	1
Total	<u>20</u>

- Convert present stage room into classroom or kitchen
- Convert present auditorium into dining room
- Use brick building for elementary grades
- Use upstairs of frame building for home economics
- Use 2 downstairs rooms for library
- Use 1 downstairs room for clinic

Leesburg High School

Estimated Enrollment 330

School now has -

- 1 - auditorium combined as gymnasium
- 1 - library room
- 1 - library work room
- 1 - small office room
- 1 - teacher rest room
- 1 - kitchen
- 1 - basement room for home economics
- 1 - basement science room
- 2 - basement classrooms
- 1 - commercial room
- 4 - regular classrooms
- 1 - shop in basement

Build to provide for high school -

CLASSROOM  
EQUIVALENTS

1 - agricultural classroom	1
1 - agricultural shop	1
1 - gymnasium standard size	4
1 - dining room	3
1 - kitchen	1
	<u>10</u>

Lincoln High School

If Consolidated with Lovettsville High School

Estimated Enrollment 425

Build to Provide the Following:

CLASSROOM  
EQUIVALENTS

✓ 1 - laboratory	1 $\frac{1}{2}$
✓ 2 - commercial rooms	1 $\frac{1}{2}$
3 - library rooms	2 $\frac{1}{2}$
1 - agriculture unit - shop and classroom	2 $\frac{1}{2}$
1 - auditorium to seat 600 people	5
1 - gymnasium - standard size	4
5 - new standard class-rooms	5
1 - clinic	1 $\frac{1}{2}$
1 - teacher's rest room	1 $\frac{1}{2}$
1 - kitchen	1
	<hr/>
Converting and enlarging	24
	3
Total	<hr/>
	27

- ✓ Convert present commercial rooms into classroom
- Convert present library into classroom
- convert present kitchen into part of office
- convert stage room into standard classroom, lower floor and build solid partition
- ✓ Convert present auditorium into cafeteria. Build kitchen on north side
- Enlarge home economics cottage

FOUR HIGH SCHOOLS

If 4 high schools are to be retained and the buildings completely modernized the following are suggested.

Aldie

Estimated Enrollment 150

School now has -

Brick building

- 1 - kitchen and home economics room combined
- 1 - commercial room
- 2 - classrooms
- 1 - stage classroom

Frame building

- 2 - elementary rooms - upstairs
- 1 - elementary room - downstairs too small
- 1 - elementary room - downstairs poorly shaped
- 1 - agriculture classroom small
- 1 - office very small
- 1 - end of hallway upstairs for library

The number of 8th grade teachers at Leesburg and Lovettsville would be 4, making a total of 42 for grades 8, 9, 10, 11 and 12.

TWO HIGH SCHOOLS

As an alternate it is proposed that high schools be maintained at Leesburg and Lincoln and that buildings be modernized.

Leesburg High School

If Consolidated With Aldie High School

Estimated Enrollment 475

Additional Space Needed	<u>CLASSROOM EQUIVALENTS</u>
1 - standard gynasium	4
1 - kitchen for school lunches	1
1 - dining room	3
1 - additional office room	1
1 - clinic	1
1 - additional library room	1
1 - additional commercial room	1
1 - agriculture classroom	1
1 - agriculture shop	1
1 - additional home economics room	1
1 - additional classroom	1
	<u>15</u>
 Acquire separate site and build a new elementary school -	
12 - classrooms	12
1 - auditorium - gynasium	4
1 - kitchen	1
1 - dining room	3
1 - clinic	1
1 - office	1
1 - library	1
	<u>22</u>
Total	37

CLASSROOM  
EQUIVALENTS

1 - dining room	3
1 - clinic	1
2 - teacher's rest rooms	1
1 - visual education room	1
2 - science rooms	3
3 - library rooms	2 $\frac{1}{2}$
2 - commercial rooms	2
2 - agriculture classrooms	2
2 - industrial arts shops	2 $\frac{1}{2}$
1 - agriculture shop	1 $\frac{1}{2}$
1 - home economics unit	5
1 - music room	1
1 - art room	1
3 - principal's office	1 $\frac{1}{2}$
	<u>60</u>

TRANSPORTATION

Some increase in transportation cost will be involved. In order to avoid bringing small children to certain schools too early it will be necessary to operate one extra bus at the more remote schools and have the high school pupils picked up first, collected at the school center and one express bus go directly to the central high school, the other busses returning for elementary children. However, the increased cost of transportation will be offset approximately by the saving in number of teachers.

FACULTY

The faculty should include -

- 1 - Principal
- 1 - Assistant principal who will do some teaching
- 1 - Clerk
- 2 - Home economics teachers
- 2 - Agriculture teacher
- 2 - Industrial arts teachers
- 1 - Automobile mechanics' teacher
- 1 - Art teacher
- 1 - Music teacher
- 2 - Physical and health education teachers
- 2 - Commercial teachers
- 1 - Librarian
- 1 - Guidance Counselor
- 20 - Academic teachers
- 38 - Total

130 and the total enrollment for the school 790.

The reason for a school at all is to instruct the pupils. Many of the desirable outcomes of education are common to all pupils. However, when we begin to think about what specific subjects should become available to high school pupils because different pupils need different education. The range is very wide indeed and the limit on this range is determined by the size of the school. In a single central high school of 5 grades and 790 pupils it seems reasonable to be able to offer the following program.

- |                                  |                                |
|----------------------------------|--------------------------------|
| English 8, I, II, III & IV       | French III & IV                |
| Journalism                       | Spanish III & IV               |
| Algebra I & II                   | Music Including Band           |
| Arithmetic 8 & I or IV           | General Art                    |
| Plane Geometry                   | Dramatics                      |
| Solid Geometry & Trigonometry    | Business Arithmetic            |
| World History                    | Bookkeeping                    |
| American History                 | Office Practice and Experience |
| Government & Soc. Prob. 8, I, IV | Typewriting I & II             |
| Economic Geography               | Shorthand I & II               |
| General Science 8 & I            | Business Fundamentals          |
| Biology                          | Home Economics I, II, III & IV |
| Chemistry                        | Agriculture I, II, III & IV    |
| Physics                          | Industrial Arts 2 years        |
| Latin II, III & IV               | Automobile Mechanics 2 years   |

Of course constantly in the background is the generally accepted idea that we do wish to improve educational opportunities in our county but we must always raise two important questions:

1. What will it cost?
2. Is some other plan better?

To determine cost we must now look at some of the items that cost money.

This school should have about 20 acres of land.

The building should include the following:

	<u>CLASSROOM</u> <u>EQUIVALENTS</u>
21 - standard classroom	21
1 - auditorium to seat 1000	8
1 - gynasium	4
1 - lunch room kitchen	1