ASSOCIATION FOR LEARNING ENVIRONMENTS
Enhancing the Educational Experience

LEGAT ARCHITECTS

SUSTAINABILITY | PERFORMANCE | DESIGN

(RE) Constructing Community by (RE) Imagining School as an Opportunity Center

DAVENPORT COMMUNITY SCHOOLS

Michael Maloney
Director of Operations, Davenport Community Schools

Kalyssa Worden
Associate, Legat Architects

Robin Randall
Principal, Legat Architects

DAVENPORT COMMUNITY SCHOOLS

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OVERVIEW

INTRODUCTION

- **Trends in Demographics**
  - **Household statistics**

MACRO SCALE

- **Where have the students gone?**
  - **Statistics**
- **What are schools doing about it?**
  - **Next steps**

WORKSHOP # 1 – Community Engagement

MICRO SCALE

- **Close To Home**
- **Davenport, IA**
  - **JB Young Case Study**

WORKSHOP # 2 – Repurpose CPS School

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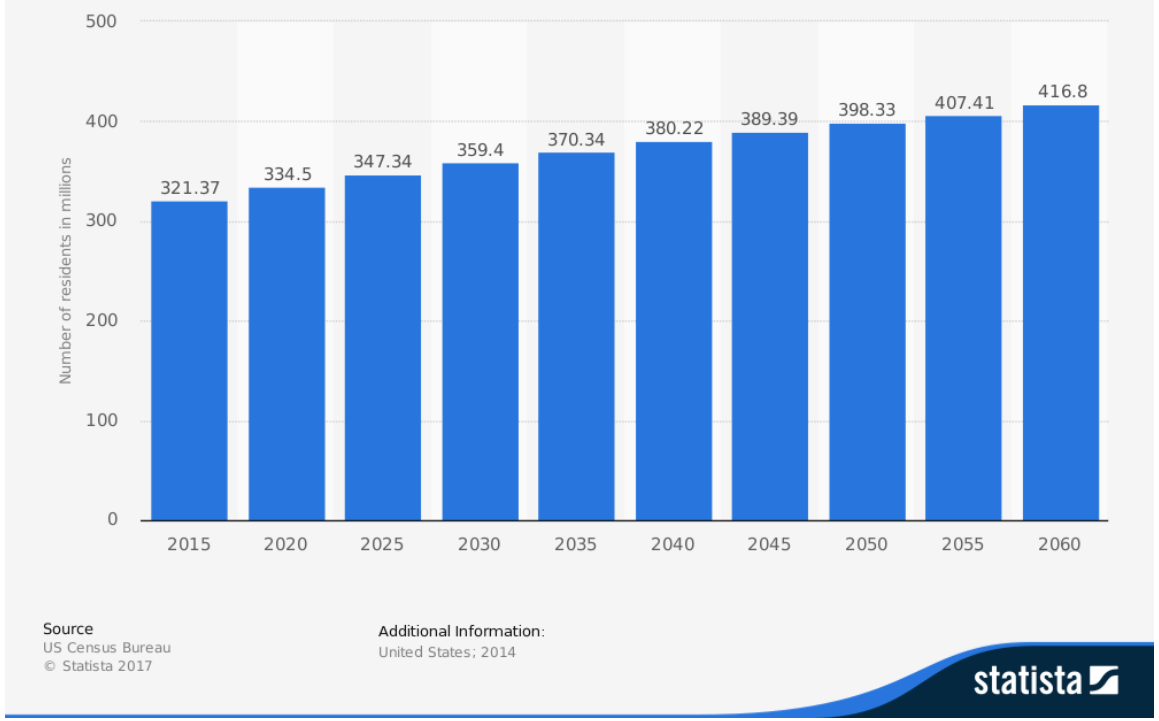
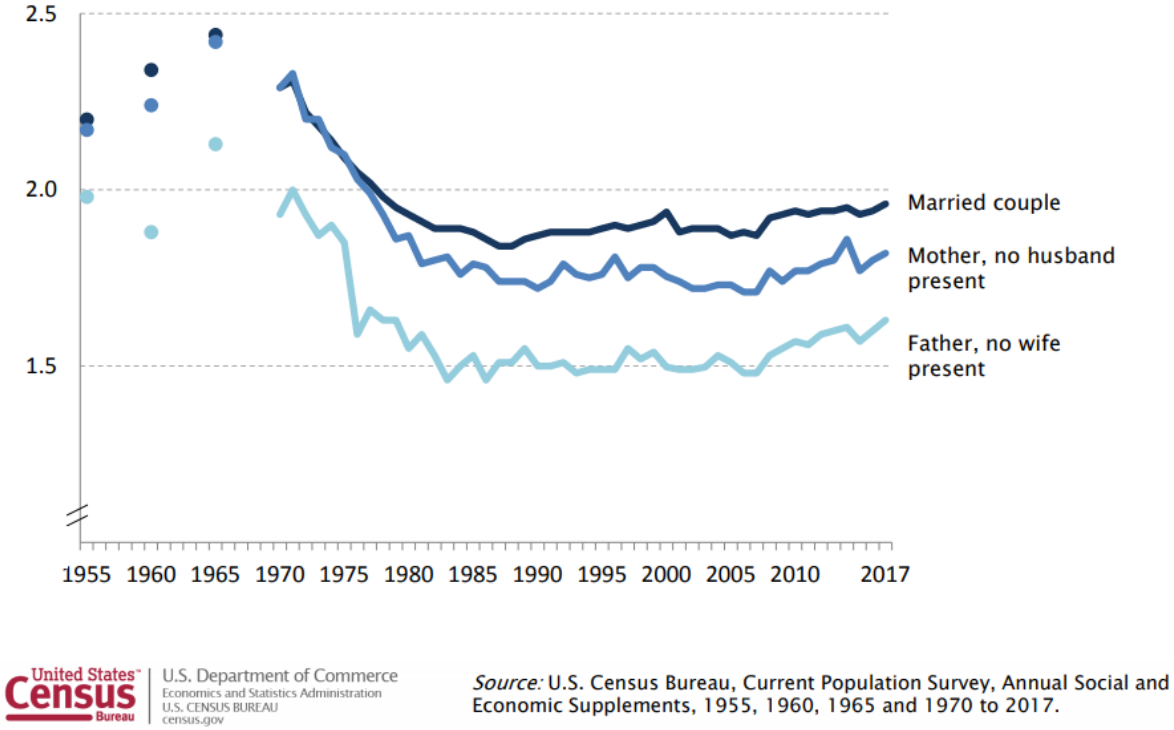
INTRODUCTION

Population projections for the United States from 2015 to 2060 (in millions)



US Population growth & K12 Enrollment

Average number of own children per family (for families with children under 18)



The number of children per household has steadily declined since the peak of the baby boom.

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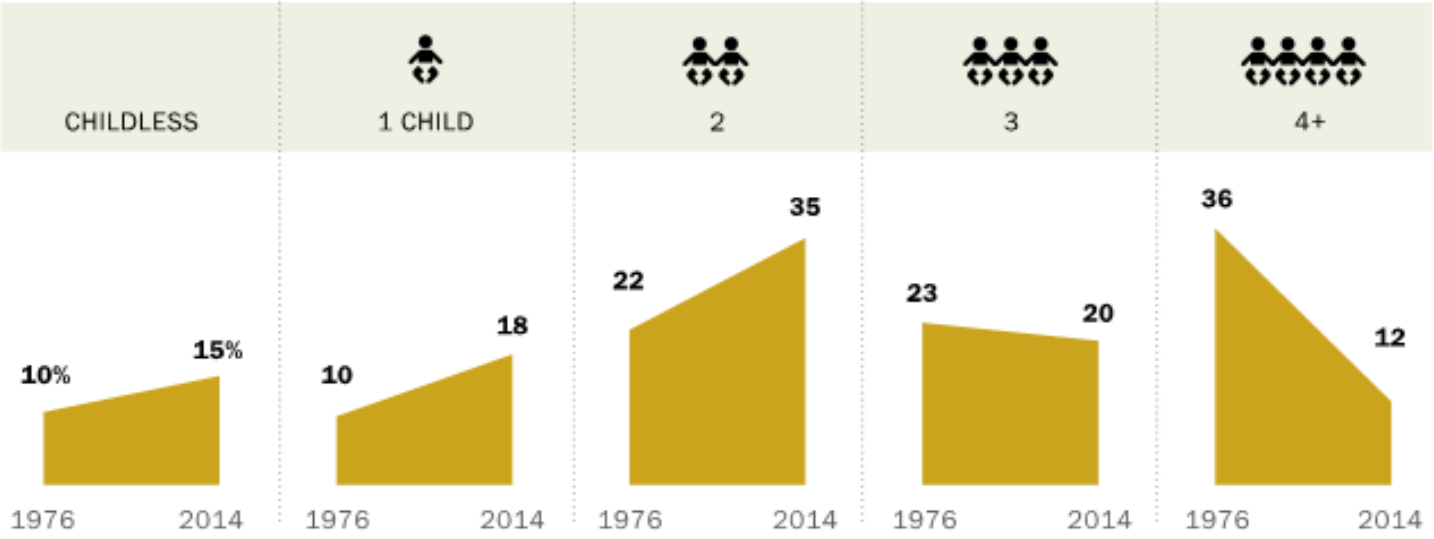
INTRODUCTION

The Rise of the Two-Child Family, and the Decline of the Four-Child Family

Share of women ages 40 to 44, by children ever born

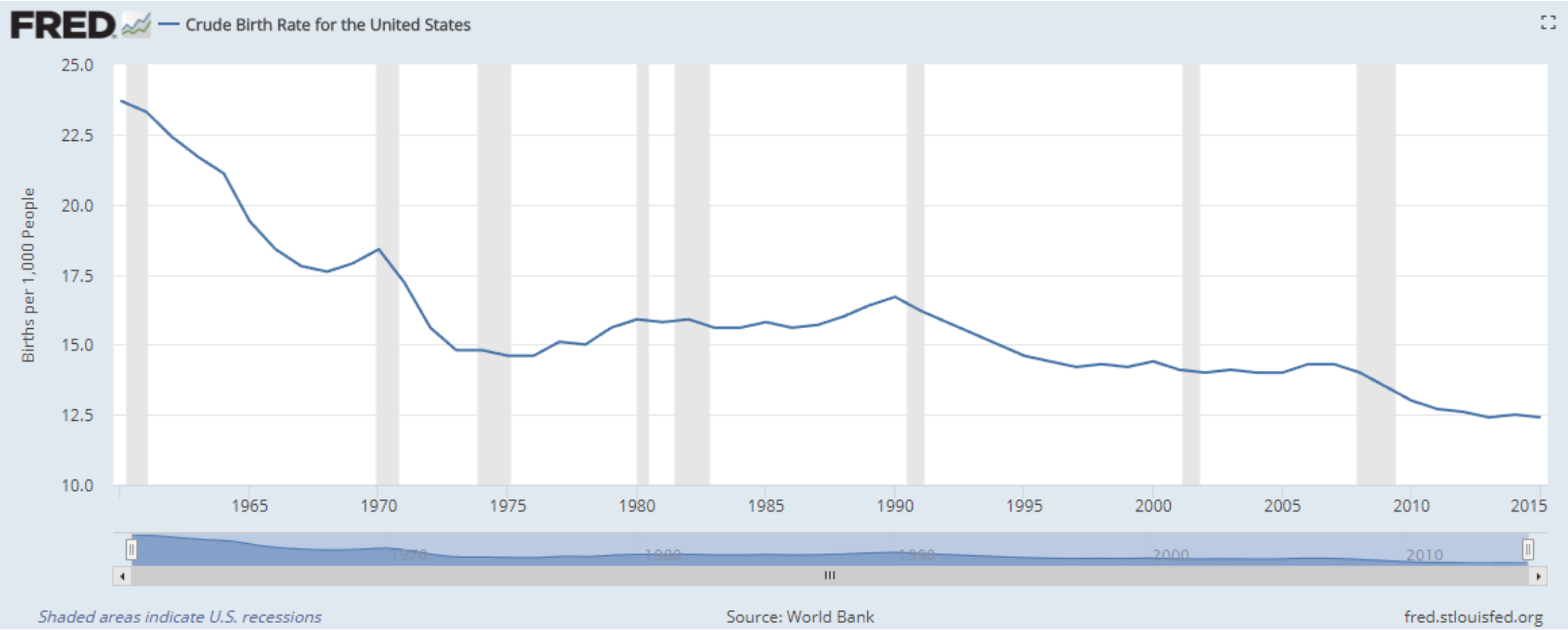


Note: A new working paper suggests that Current Population Survey estimates of childlessness may have been somewhat too large until 2012, when the Census Bureau implemented new editing rules. See "About the Data" for more details.

Source: Pew Research Center analysis of Current Population Survey June Supplements

PEW RESEARCH CENTER

INTRODUCTION



America's birth rate is now a national emergency

Pascal-Emmanuel Gobry

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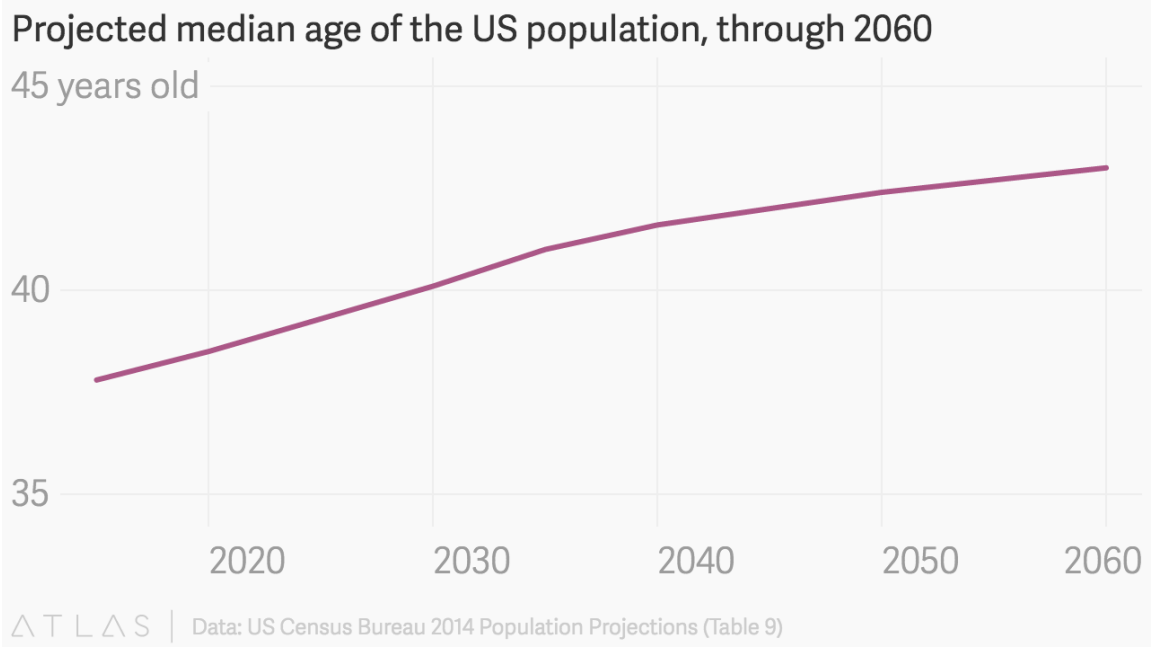
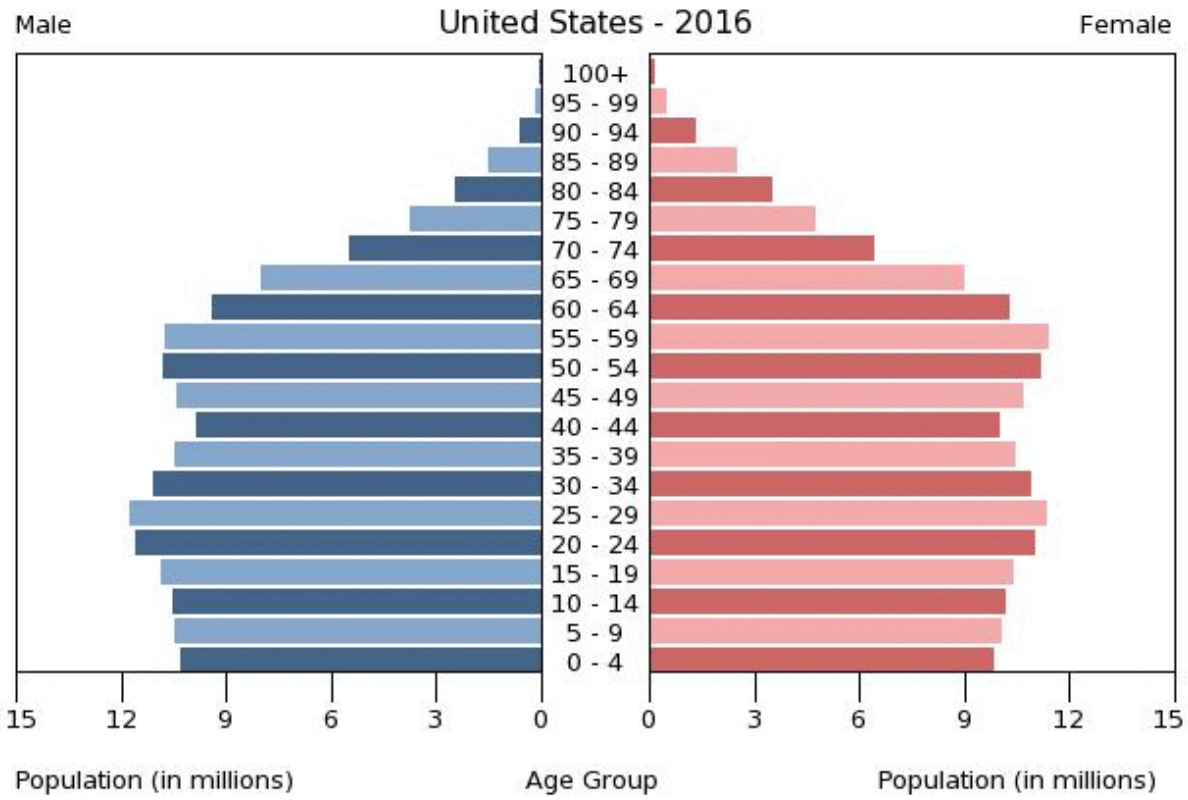
INTRODUCTION





The median age of the US population continues to increase through 2060

The 5 year age cohorts under 24 years are each smaller than the next older cohort.

DAVENPORT COMMUNITY SCHOOLS

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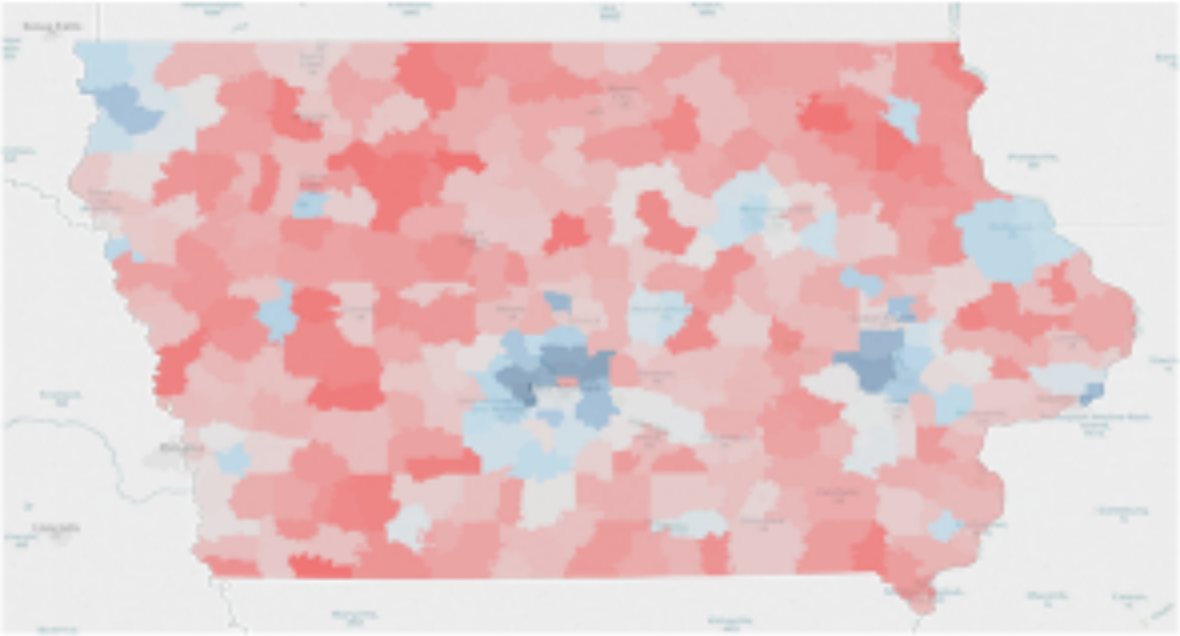
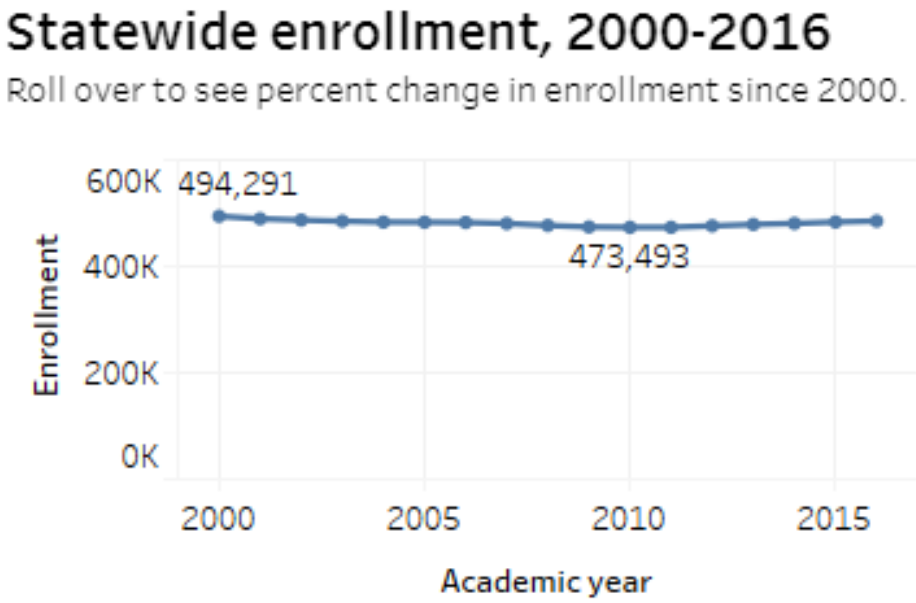
INTRODUCTION



Growing versus declining districts in Iowa 2001 – 2018. Waukee grew 344% Twin Rivers declined 44%.

INTRODUCTION

*Enrollment **declined in about 78 percent** of existing Iowa public school districts between academic years **2000 and 2016.** These districts are mostly in rural areas, which aligns with decades-old population trends reflecting residents moving out of rural territories and into urban areas. Between **2015 and 2016**, however, enrollment decline slowed slightly, impacting about **53 percent** of districts.*



WHERE HAVE THE STUDENTS GONE? | STATISTICS

TECTONIC SHIFTS

2.6M

Number of students who attended charter schools in 2014

62%

Charter school enrollment growth from 2010 to 2015

160

Districts in which at least 10% of students enroll in charters

STATISTICS

Every thing is bigger in Texas..

The Dallas Independent School District is facing a perfect storm of declining enrollment and increasing property values. The combination is setting DISD up for 'recapture', which means it will owe the state a projected $40 million next year.

"I mean I get it, I do," said teacher Ashley Groce. "It's not fair."

Groce, who has been with DISD for 16 years and at Stockard Middle School for 12 years, is one of 475 teachers in the school district to get letters saying they were in "excess", and their jobs were no longer available. "I love my job and I love my kids," said Groce. "It's just a disservice, not only to myself, but to our students."

STATISTICS

URBAN DISTRICTS HIT HARD..

Percentage of students enrolled in charters

93%

NEW ORLEANS PARISH SCHOOLS

53%

DETROIT PUBLIC SCHOOLS

44%

DISTRICT OF COLUMBIA PUBLIC SCHOOLS

RURAL SCHOOLS TOO!

73%

RURAL DISTRACTS THAT LOST STUDENTS IN WISCONSIN (2013-2014)

STATISTICS

ECONOMIC IMPACT

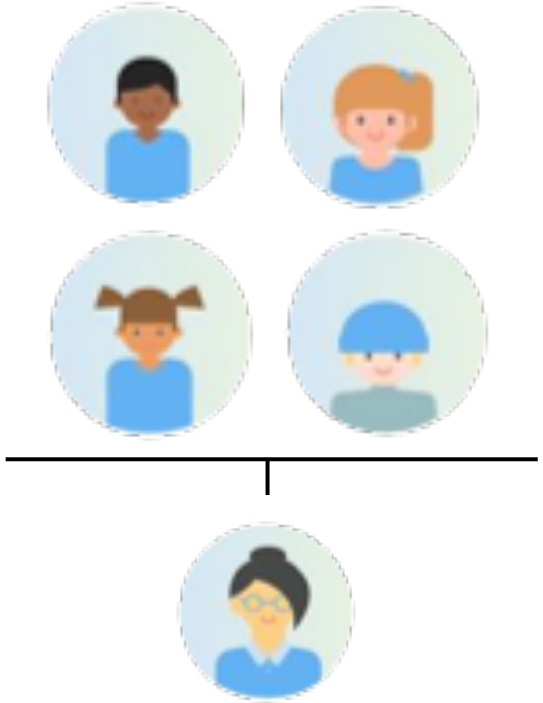
Fewer students mean fewer resources for key programs

$11,392

AVERAGE COST PER FULL-TIME STUDENT

$45,483

AVERAGE TEACHER SALARY



4 = 1

LOST STUDENTS = TEACHER

DAVENPORT COMMUNITY SCHOOLS

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STATISTICS

ECONOMIC IMPACT

Fewer students mean fewer resources for key programs

1,700

Number of LAUSD administrators and support staff who received potential layoff notices in 2017

> ***IF YOU HAVE DECLINING ENROLLMENT, YOU HAVE DECLINING FUNDING***
>
> **Sarah Kemp, Researcher**
> Applied Population Laboratory

NEXT STEPS

STATISTICS

The gap

47%

Of charter school parents **"very satisfied"** with community engagement

THE GAP IS
REAL

34%

Of public school parents **"very satisfied"** with community engagement

> ***IF YOUR SCHOOL OR DISTRICT FAILS TO OFFER PARENTS AND FAMILIES A QUALITY EXPERIENCE, THEY'LL ENROLL ELSEWHERE.***
>
> **Dr. Gerald Dawkins**
> Former District Superintendent, SVP K12 *Insight*

WORKSHOP#1 Community Engagement – what ways do you engage ?

DAVENPORT COMMUNITY SCHOOLS

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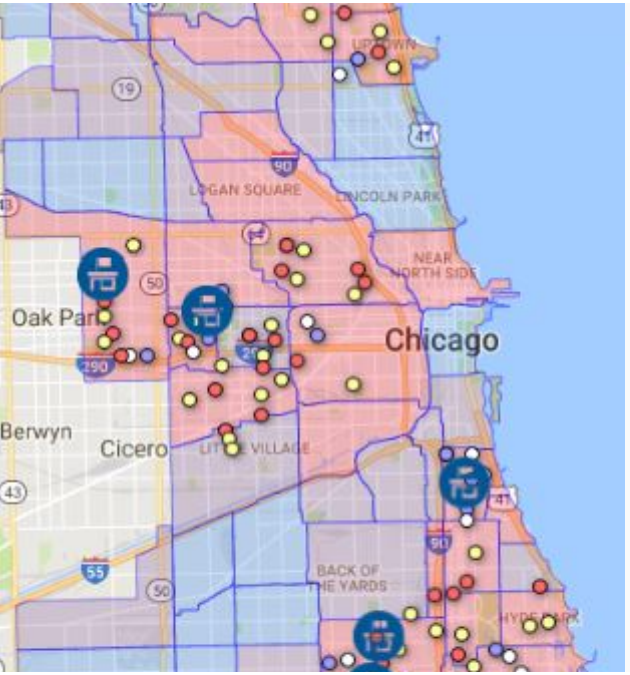
CLOSE TO HOME

What's been happening locally



SCHOOL BOARD VOTES TO CLOSE 49 SCHOOLS

The following scoreboard reflects how the Chicago Board of Education dealt with the 54 school closing recommendations on its agenda.

Schools marked black *are to be closed and schools marked* blue *are to remain open.*

Altgeld	Armstrong	Attucks**	Banneker	Bethune	Bontemps	Buckingham	Calhoun	Canter*
De Duprey	Delano	Dumas	Emmet	Ericson	Fermi	Garfield Park	Garvey	Goldblatt
Goodlow	Henson	Herbert	Key	King	Kohn	Lafayette	Lawrence	M. Jackson
Manierre	Marconi	May	Mayo	Morgan	Near North	Overton	Owens	Paderewski
Parkman	Peabody	Pershing MS	Pope	Ross	Ryerson	Sexton	Songhai	Stewart
Stockton	Trumbull	Von Humboldt	West Pullman	Williams ES	Williams MS	Woods	Yale	

* 1-year delay ** 2-year delay

Note: Only 53 schools shown; the Board also voted to close the high school that shares space at Madison elementary and middle schools. CPS CEO Barbara Byrd-Bennett withdrew her recommendations to close Ericson, Garvey, Mahalia Jackson and Manierre schools prior to the meeting. At her request, the board voted not to close those schools.

CLOSE TO HOME

That move will result in the closure of four existing Englewood schools – Hope, Harper, Robeson and TEAM Englewood – at the end of this school year. That means non-graduating students at those schools will have to transfer elsewhere before the new facility opens. CPS says it'll put up $8.3 million to help them do so and will shift boundaries at Bogan, Gage Park, Phillips and the Chicago Vocational Career Academy High School to provide those students with additional options.

Niketa Brar
@niketasays

#WeAreNTA parents prepare to greet CPS officials who arrived at the school this morning to announce the intentions to close.

8:45 AM - Dec 1, 2017

10 12

Olivia Abrecht
@OliviaAbrecht

Replying to @PerezJr @CPSuccessCHI

Students at Harper held a sit in and walkout at school today to protest closing

10:03 AM - Dec 1, 2017

3

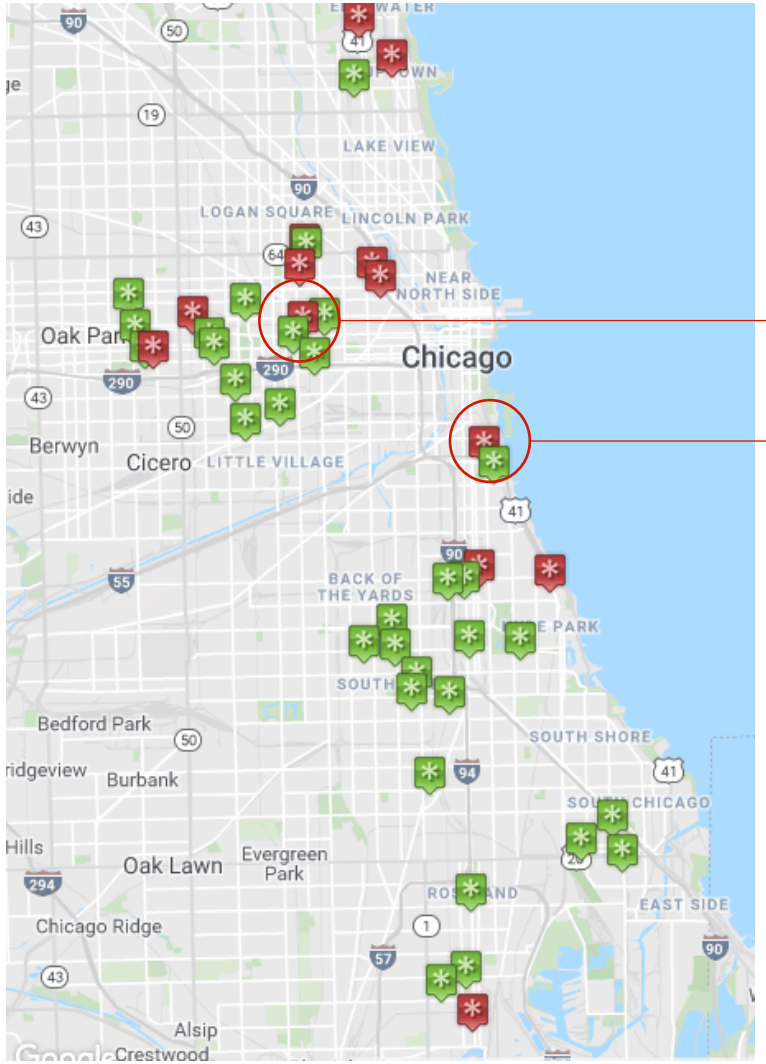
CLOSE TO HOME

CHICAGO PUBLIC SCHOOLS (CPS)

Advisory Committee for School Repurposing

- Created a website for submission of proposals for the repurposing of former school sites that respect community context

- **Three phase** effort
  1. *Immediate Reuse*
     - Needs are identified, building quickly put to use
  2. *Competitive Redeployment*
     - CPS takes reuse proposals & bids, property eventually sold
  3. *Development through a Revitalization Partner*
     - Utilized when community or financial benefit in repurposing is not apparent



Dodge

Drake

Repurposed

Undergoing community engagement process

Chicago Public Schools

DAVENPORT COMMUNITY SCHOOLS

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CLOSE TO HOME

MARY MAPES DODGE PUBLIC SCHOOL

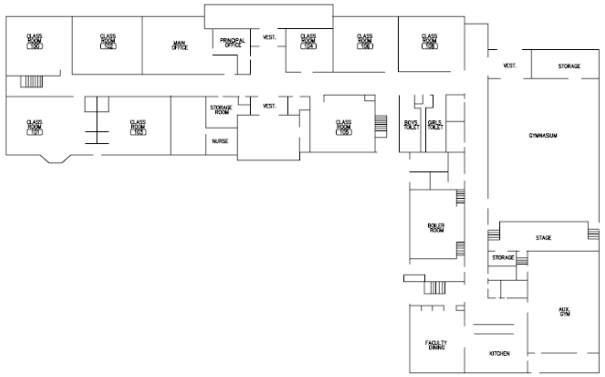
Example of **Phase One**: *Immediate Reuse*

Proposed idea(s)

- After-school art programming for students

Current status

- Repurposed by Chicago Public Schools for administration offices



DODGE

ADDRESS	2651 W Washington Blvd
PIN(S)	16-12-422-030 16-12-422-031 16-12-422-032 16-12-422-033
BUILDING SF	69,600
LAND SF	94,296
INCLUDES ANNEX/ BRANCH	No
OWNERSHIP	PBC
ALDERMAN	R. Fioretti, W. Burnett
WARD	2, 27
NEIGHBORHOOD	Near West Side
ZONING	RT4
MAINTENANCE COSTS (as school)	$267,600
CARRY COSTS (vacant	$89,144

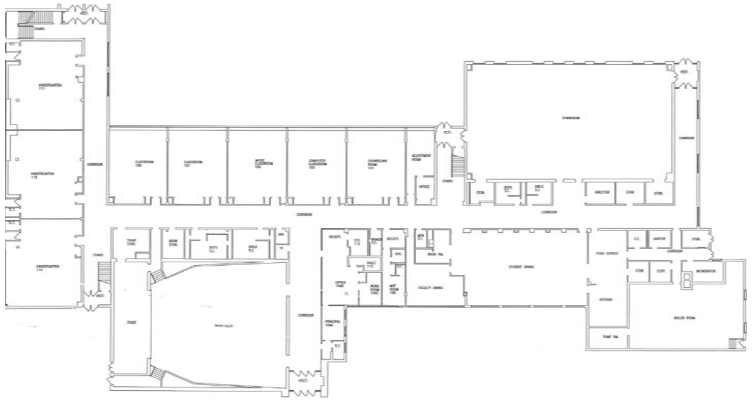
CLOSE TO HOME

JOHN B DRAKE PUBLIC SCHOOL

Example of **Phase Two:** *Competitive Redeployment*

Proposed idea(s):

- Community center for trades
- Non-profit organization allied with Chicago Teachers Union
- Professional development center
- Classical school



DRAKE	
ADDRESS	2722 S King Dr
PIN(S)	17-27-307-011 17-27-307-012 17-27-307-013 17-27-307-014 17-27-307-015 17-27-307-016 17-27-307-017 17-27-307-018 17-27-307-050 17-27-307-051 17-27-307-070 17-27-307-077 17-27-307-078 17-27-307-079 17-27-307-080
BUILDING SF	57,300
LAND SF	197,580
INCLUDES ANNEX/ BRANCH	No
OWNERSHIP	PBC
ALDERMAN	W. Burns
WARD	4
NEIGHBORHOOD	South Commons
ZONING	RM5 surrounded by residential
MAINTENANCE COSTS (as school)	$245,050
CARRY COSTS (vacant	$147,672

DAVENPORT, IA

J.B. YOUNG HISTORY

John B. Young | the man who:

Valued the philosophy of seizing ***opportunities***

Demonstrated ***determination*** and ***perseverance***

Had the ***longest tenure*** superintendent in Iowa AND the US

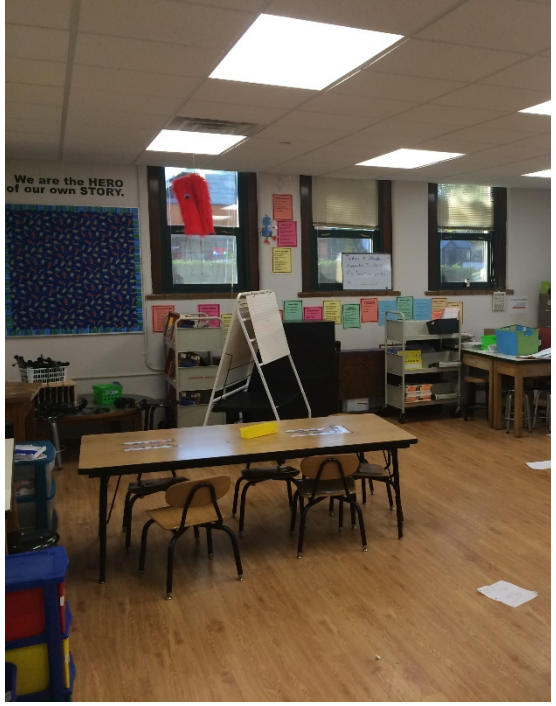
J. B. Young | the school that:

Is a **historic three-story** brick building atop a hill looking towards the Mississippi River

Closed in **2016** due to declining enrollment

Will **reopen** in **2018** as J.B. Young Opportunity Center

Will house 9 **non-profit** organizations & **additional program** elements



DAVENPORT COMMUNITY SCHOOLS

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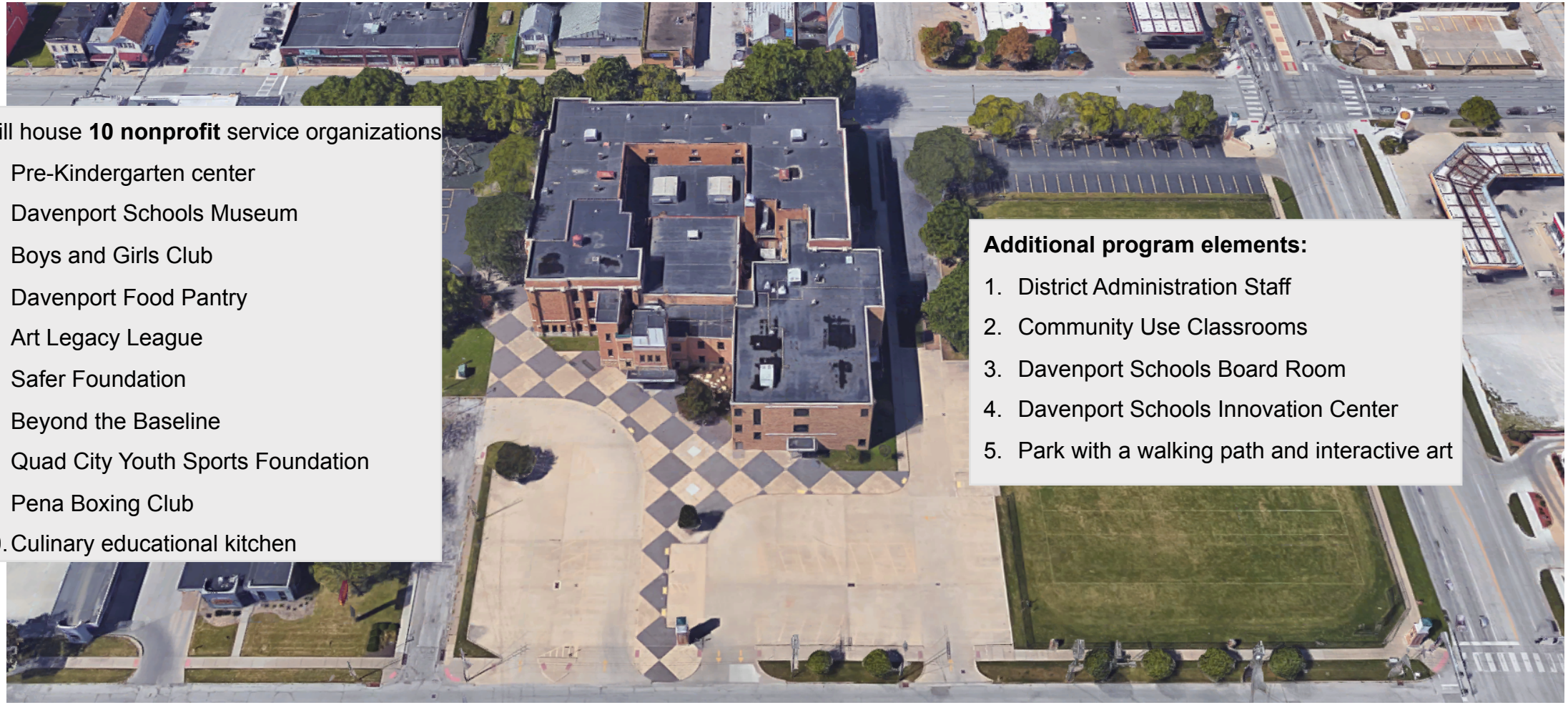
DAVENPORT, IA

J.B. YOUNG OPPORTUNITY CENTER



Will house **10 nonprofit** service organizations

1. Pre-Kindergarten center
2. Davenport Schools Museum
3. Boys and Girls Club
4. Davenport Food Pantry
5. Art Legacy League
6. Safer Foundation
7. Beyond the Baseline
8. Quad City Youth Sports Foundation
9. Pena Boxing Club
10. Culinary educational kitchen

Additional program elements:

1. District Administration Staff
2. Community Use Classrooms
3. Davenport Schools Board Room
4. Davenport Schools Innovation Center
5. Park with a walking path and interactive art

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DAVENPORT, IA

J.B. YOUNG OPPORTUNITY CENTER

What's your inspiration?

The Building Program

Square Footage Summary
Common Use Spaces

LEGATARCHITECTS
sustainability performance design

OWNER: Davenport Community School District
PROJECT TITLE: JB Young Renovation
PROJECT NUMBER: 216035
DATE: 6/23/2016
DEPARTMENT HEAD:

			Existing	SGGM Proposed				Legat Proposed			
			Square Feet	Quantity	Width	Length	Square Feet	Quantity	Width	Length	Square Feet
Common Use Spaces											
	Conference Room A			1	16	32	512	1	16	32	512
	Conference Room B			1	16	24	384	1	16	24	384
	Conference Room C			1	14	18	252	1	14	18	252
	Break Room			2	12	29	696	2	12	29	696
	Museum			1	32	72	2,304	1	32	72	2,304
	Storage			2	12	16	384	2	12	16	384
	Mother's Room			0	0	0	0	1	8	10	80
	Classroom			0	0	0	0	1	20	30	600
	Total						**4,532**				**5,212**
Department Totals							**4,532**				**5,212**
Circulation							**1,133**				**1,303**
Total Area			**5,053**				**5,665**				**6,515**

Adjacency Requirements:

	Museum	to	Public Spaces	Direct
	Department Spaces	to	Each Other	None
	Department Spaces	to	Public Spaces	None

Notes:

Square Footage Summary
Business Office

LEGATARCHITECTS
sustainability performance design

OWNER: Davenport Community School District
PROJECT TITLE: JB Young Renovation
PROJECT NUMBER: 216035
DATE: 6/23/2016
DEPARTMENT HEAD: Marsha Tangen

			Existing	SGGM Proposed				Legat Proposed			
			Square Feet	Quantity	Width	Length	Square Feet	Quantity	Width	Length	Square Feet
Accounting											
	Office			2	12	16	384	2	12	16	384
	Cubicles			7	6	8	336	7	6	8	336
	***Conference*			*1*	*12*	*14*	*168*	*1*	*12*	*14*	*168*
	Secured Storage			1	12	18	216	1	12	18	216
	Storage			1	10	14	140	1	10	14	140
	Total						**1,244**				**1,244**
Finance											
	Office	Marsha Tangen		1	12	16	192	1	12	16	192
	Cubicles			3	8	8	192	3	8	8	192
	***Conference*			*1*	*12*	*12*	*144*	*1*	*12*	*12*	*144*
	Total						**528**				**528**
Payroll											
	Cubicle			2	8	8	128	2	8	8	128
	Storage			1	10	12	120	1	10	12	120
	Total						**248**				**248**
Purchasing											
	Office			1	12	16	192	1	12	16	192
	Cubicles			4	8	8	256	4	8	8	256
	***Conference*			*1*	*12*	*12*	*144*	*1*	*12*	*12*	*144*
	Storage			1	10	12	120	1	10	12	120
	Total						**712**				**712**
MIS											
	Cubicles			2	8	8	128	2	8	8	128
	Conference			1	12	12	144	0	0	0	0
	Secured Area			1	10	12	120	1	10	12	120
	Total						**392**				**248**
Department Totals							**3,124**				**2,980**
Circulation							**781**				**745**
Total Area			**3,906**				**3,905**				**3,725**

Adjacency Requirements:

	Department Spaces	to	Each Other	Close
	Department Spaces	to	Public Spaces	None
	Finance Office	to	Superintendent's Office	Close

Notes:

MIS Secured Area - needs to be air conditioned, secured, and fire-proof
Conference Room - desired if can fit, otherwise can use shared conference space

** indicates spaces that could be removed from the program if necessary

Square Footage Summary
Cirriculum, Instruction & Assessment

LEGATARCHITECTS
sustainability performance design

OWNER: Davenport Community School District
PROJECT TITLE: JB Young Renovation
PROJECT NUMBER: 216035
DATE: 6/23/2016
DEPARTMENT HEAD: Jill Stasiewski

			Existing	SGGM Proposed				Legat Proposed			
			Square Feet	Quantity	Width	Length	Square Feet	Quantity	Width	Length	Square Feet
Spaces											
	Clerical - 6 employees			1	16	18	288	1	20	24	480
	Director's Office	Jill Stasiewski		1	17	18	306	1	17	18	306
	Assistant Director	Kim Daly		1	12	14	168	1	12	14	168
	Office Manager			1	12	14	168	1	12	14	168
	Athletic Program Director			1	12	16	192	1	12	16	192
	Athletic Program Secretary			1	8	10	80	1	8	10	80
	Athletic Storage							1	8	8	64
	Cirriculum Specialist - 9 employees			4	12	12	576	1	20	40	800
	Cirriculum Conference Room			1	17	18	306	1	17	18	306
	Teacher Leader's Office - 3 employees			1	12	18	216	1	12	24	288
	Assessment Program Director			1	10	12	120	1	10	12	120
	Assessment Staff - 3 employees			1	12	16	192	1	12	24	288
	Assessment Locked Close			1	6	10	60	1	6	10	60
	K-5 Staff - 8 employees							1	12	16	192
	Math Coaches			1	16	24	384	1	16	24	384
	Kitchen			1	12	12	144	0	0	0	0
	Breakroom			1	12	16	192	0	0	0	0
	Work Room			1	10	16	160	1	10	16	160
	Storage			1	8	10	80	1	8	10	80
	Total						**3,452**				**3,956**
Department Totals							**3,452**				**3,956**
Circulation							**863**				**989**
Total Area			**3,765**				**4,315**				**4,945**

Adjacency Requirements:

	Department Spaces	to	Public Spaces	Close
	Office Manager	to	Clerical	Within
	Math Coaches	to	Cirriculum Conference Room	Close
	Assessment Locked Closet	to	Assessment Program Director	Within
	Assessment Staff	to	Each Other	Direct
	Cirriculum Specialists	to	Storage	Direct

Notes:

As open as possible
Work Room could be part of the open concept
Office Manager could have open office in clerical area
Work Room could be shared with another department

DAVENPORT COMMUNITY SCHOOLS

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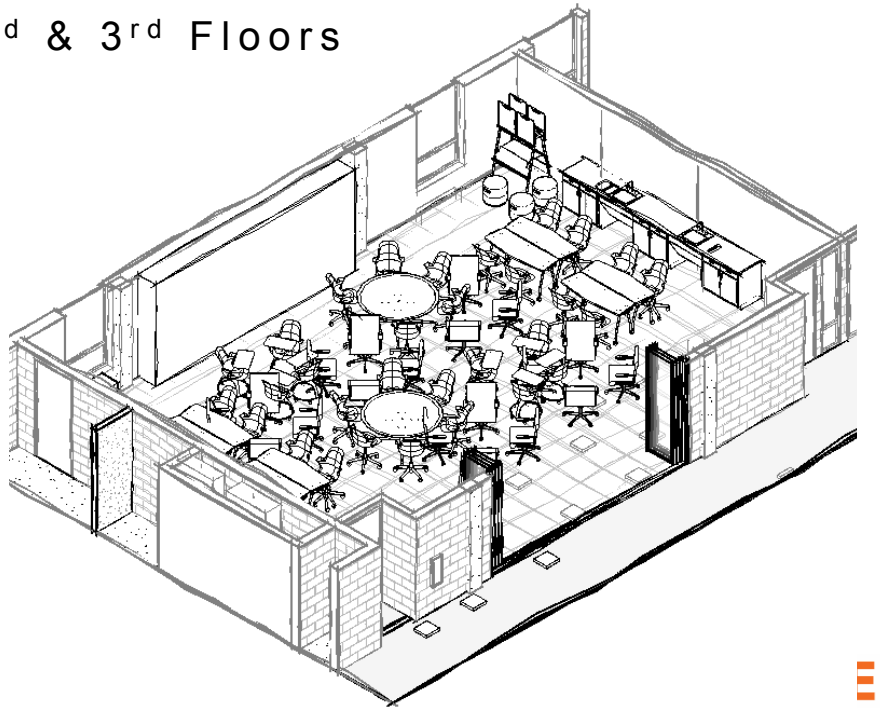
First Floor Plan

2nd & 3rd Floors



DAVENPORT COMMUNITY SCHOOLS

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PROGRESS | INTERIOR RENOVATION

DAVENPORT COMMUNITY SCHOOLS

LEGAT

PROGRESS | INTERIOR RENOVATION

DAVENPORT COMMUNITY SCHOOLS

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PROGRESS | INTERIOR RENOVATION

DAVENPORT COMMUNITY SCHOOLS

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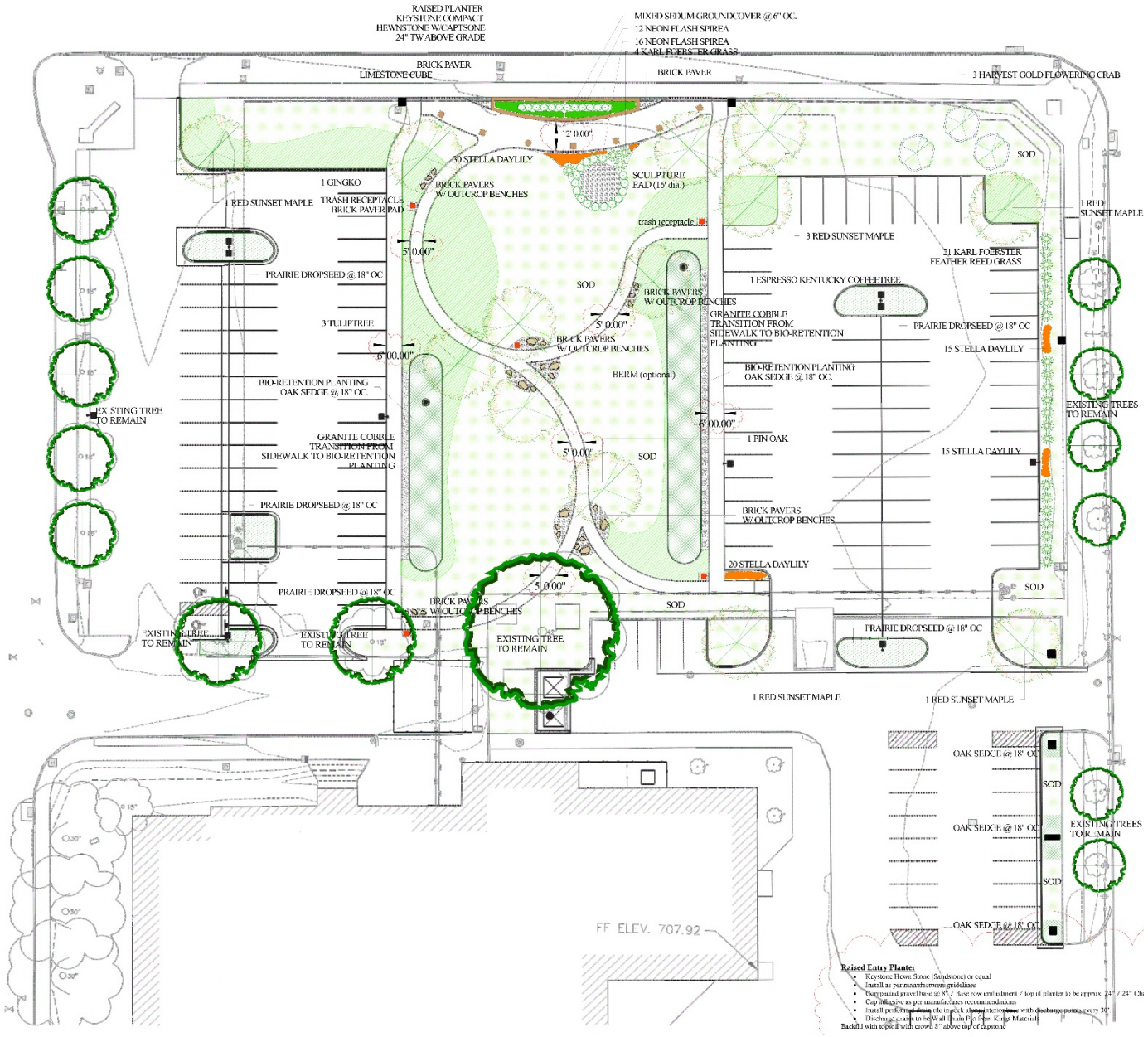
PROGRESS | SITE WORK



DAVENPORT COMMUNITY SCHOOLS

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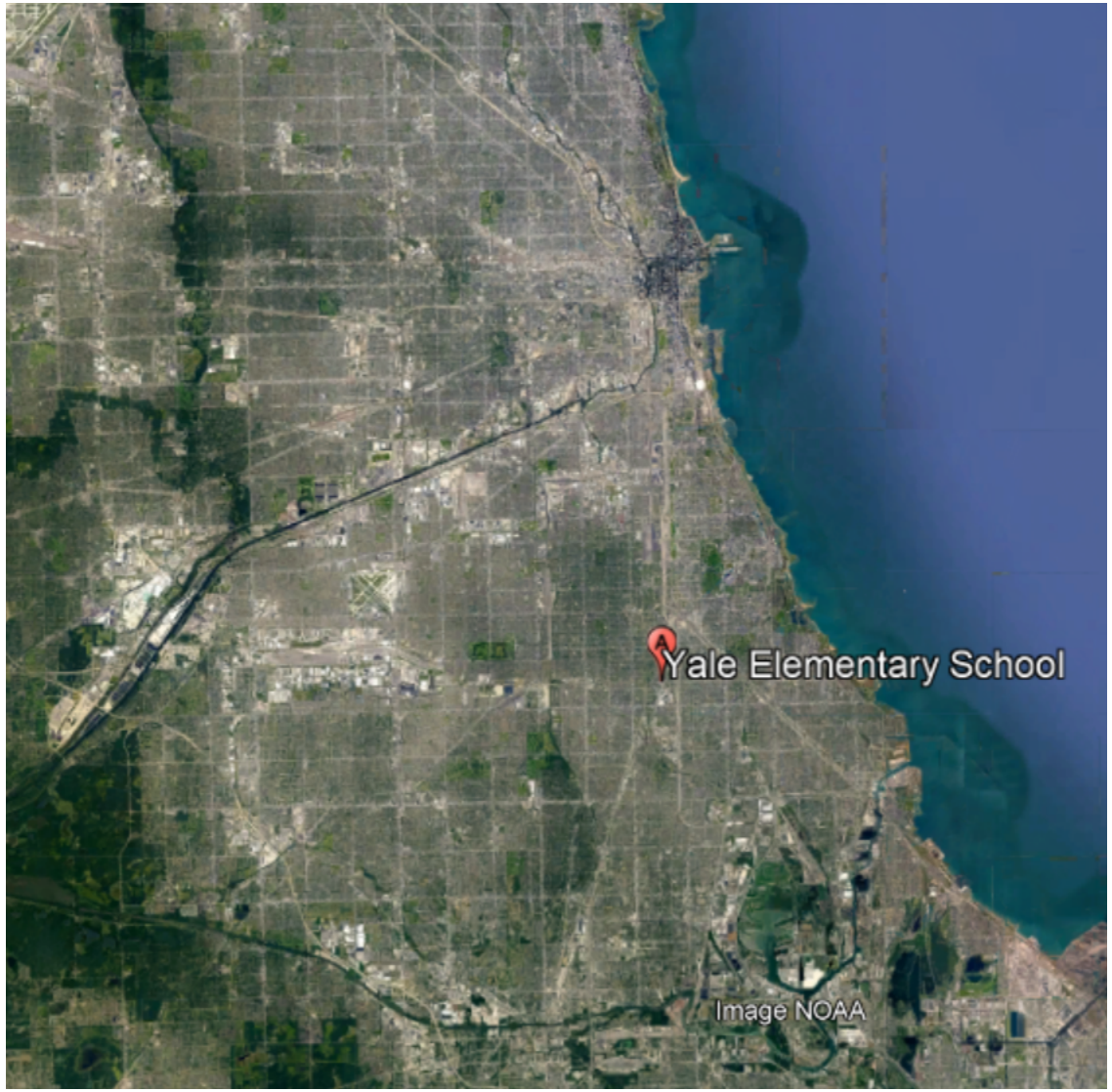
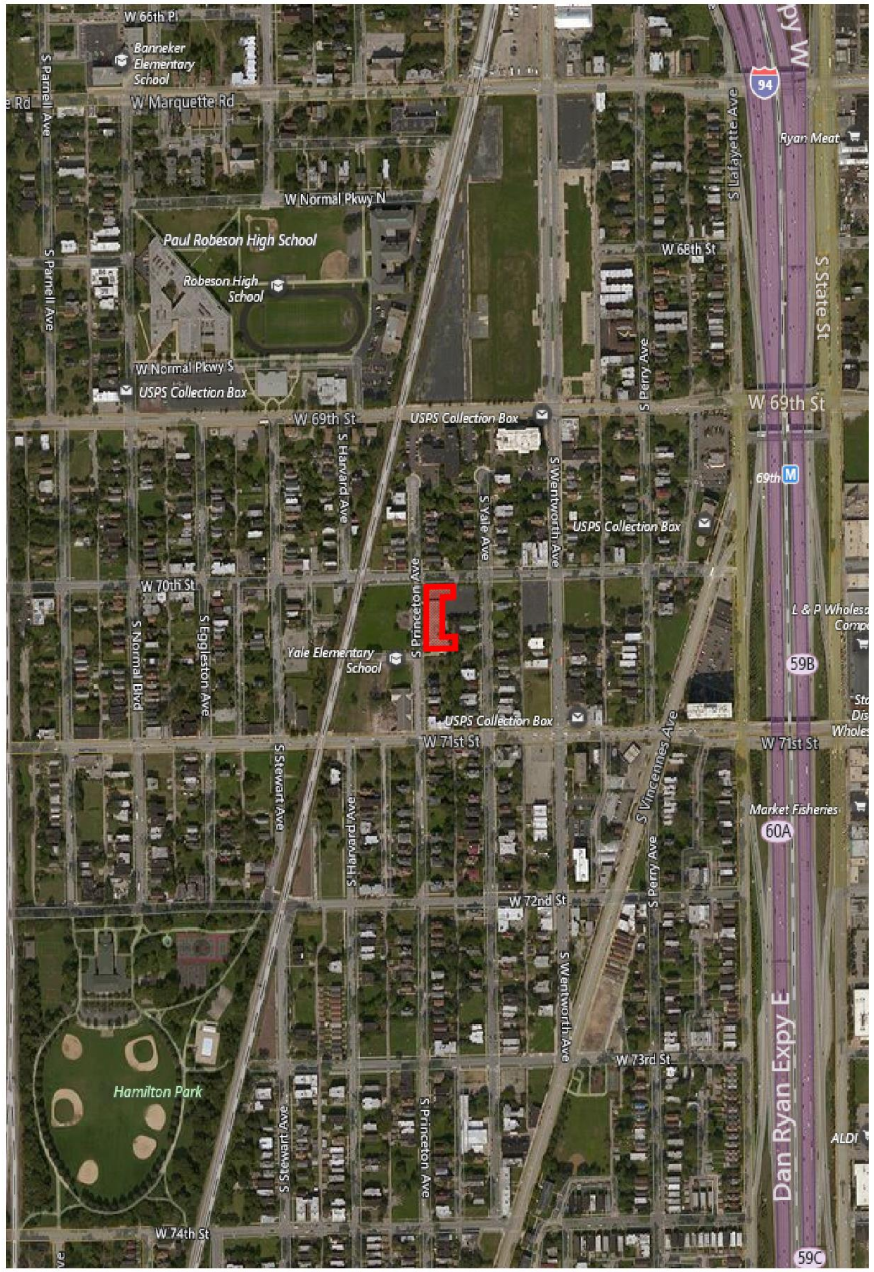
PROGRESS | SITE WORK

DAVENPORT COMMUNITY SCHOOLS

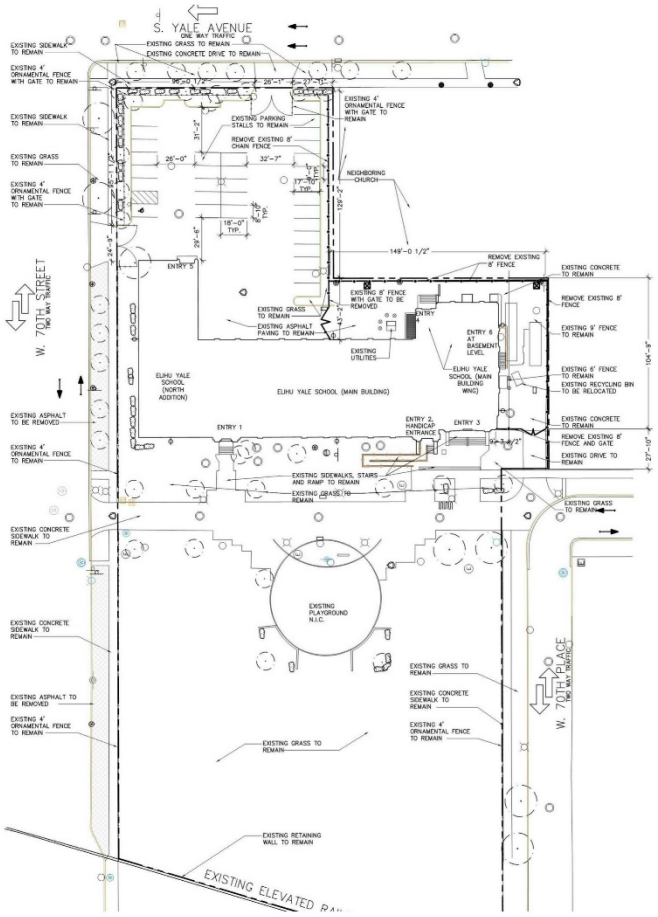
LEGAT

WORKSHOP#2 Re-Purpose Yale Elementary

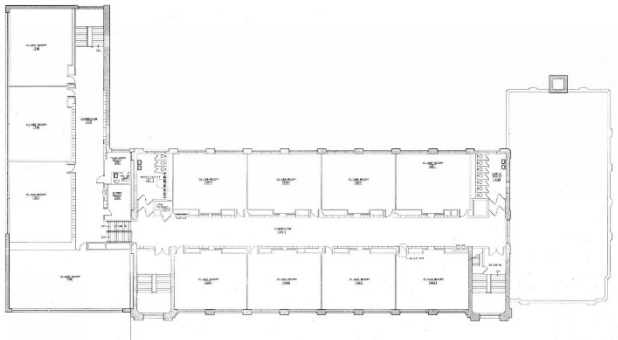




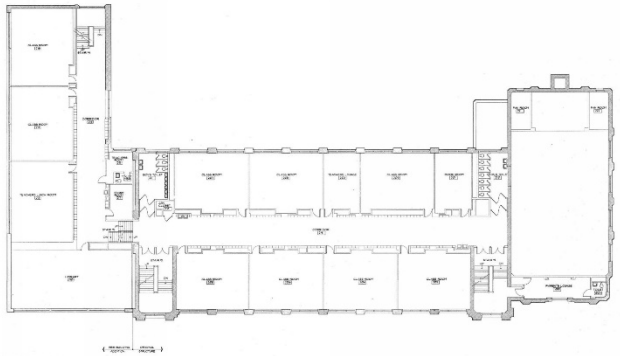
WORKSHOP#2 Re-Purpose Yale Elementary



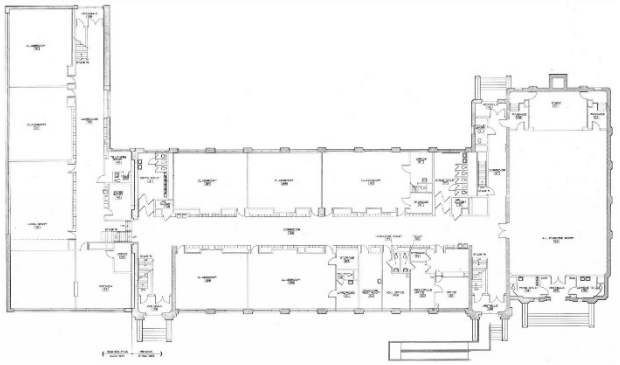
4 SITE PLAN
1" = 30'-0"



3 THIRD FLOOR PLAN
1" = 20'-0"



2 SECOND FLOOR PLAN
1" = 20'-0"



1 FIRST FLOOR PLAN

DAVENPORT COMMUNITY SCHOOLS

LEGAT