Get Academic ROI on your Facilities
Long Range Master Plan: Facilities & Technology

A4LE SOUTHERN REGION CONFERENCE
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Scott Layne
Deputy Superintendent for Operations
Dallas Independent School District

Jill Galloway
Innovation Strategist
Engage2Learn

Irene Nigaglioni
President
IN2 Architecture
Agenda

1. Dallas ISD

2. Bonds, Bonds, and Bonds

3. Long Range Facilities Master Plan
   1. Technology Plan & Process
   2. Facilities Plan & Process
   3. Other components
   4. Overall Process & Schedule

4. Questions
Dallas ISD

Scale
- 15th largest district in country
- 5th largest city district in country
- 2nd largest district in Texas

Demographics
- 90% economically disadvantaged
- 157,000 students
- 20,000 employees (6,000 support)

Geography
- 386 square miles
- 239 campuses
- 25 million square feet
Bond Programs

- 2002 Bond Program - $1Billion
- 2008 Bond Program - $1Billion
- Qualified School Construction Bond (QSCB)
  - $143M program initiated in August 2013
  - 47 projects in original program
  - Savings enabled an additional 45 projects to be completed
- Bridge Program
  - $148M program Initiated in March 2015
  - 23 projects completed
  - Combination of maintenance tax notes and O&M funds
- 2015 Bond Program
  - $1.6B program approved by voters in November 2015
  - 5 phases containing over 180 projects
  - Parsons Report
## Recap – Fund Allocation

<table>
<thead>
<tr>
<th>Type</th>
<th>Comments</th>
<th>Allocation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Land Acquisitions</td>
<td>$40 million used to reimburse GOF for Bridge Plan; remaining land balance approximately $65 million</td>
<td>$ 105,090,000</td>
</tr>
<tr>
<td>New Schools</td>
<td>Stone/Hotchkiss, Wilmer, Titche/Blanton, N. Dallas, Pinkston, Rosemont, Rhoads, Roosevelt, W. Dallas, Obama MLA</td>
<td>$ 491,740,000</td>
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<tr>
<td>Additions</td>
<td>19 Schools identified for additions</td>
<td>$ 168,370,000</td>
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<tr>
<td>Facilities Functional Improvements</td>
<td>Roofs, HVAC, Building Envelopes, Interior Improvements, Site, Exterior Facades, Plumbing, gym/LR enhancements, libraries, science labs, cafeterias, auditoriums, fine arts, and athletics</td>
<td>$ 633,000,000</td>
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<tr>
<td>Educational Adequacy Improvements</td>
<td>Technology</td>
<td>$ 100,000,000</td>
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<tr>
<td>Facilities for New Educational Programs</td>
<td>CTE, K-8 Transformation, PK</td>
<td>$ 92,600,000</td>
</tr>
<tr>
<td>TOTAL</td>
<td></td>
<td>$ 1,600,000,000</td>
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Savings Process

Architect Fees
Existing: 10%-12%
Current: 6%-7.5%
Savings: $18.5 million

Consultant/Miscellaneous Costs
Existing: 5%
Current: 3%
Savings: $5 million

Program Management Fees
Existing: 5.2%
Current: 3%
Savings: $25 million

New Facilities
Existing: $491.7 million
Current: $391.7 million
Savings: $100 million

Additions
Existing: $168.4 million
Current: $65.3 million
Savings: $103.1 million

Total Projected Savings
$251.6 million
Long Range Facilities Master Plan

- CURRICULUM/LEARNING FRAMEWORK/TECHNOLOGY PLAN
- DEMOGRAPHICS
- FACILITY STANDARDS
- SECURE VULNERABILITY
- STATE MANDATES
- EDUCATIONAL ADEQUACY
- ENERGY & SUSTAINABILITY
- EFFICIENCY/UTILIZATION RATES
- CAPACITY STUDY
- TECHNOLOGY PLAN
- FACILITIES ASSESSMENT
- FINANCIAL PLAN

Dallas Independent School District

Performance Inspired Design \ Incomparable Service
## Long Range Facilities Master Plan Process

### Community Engagement
- Input from Dallas community to define learning vision for DISD students

### Learning Framework
- Bring stakeholders together in complete agreement to build a customized vision ready for action

### LEARN Rubric
- Design principles for learning spaces
- Assessment tool to conduct campus assessments

### Technology Planning
- Technology planning development
- Technology assessment

### Needs Assessment
- Conduct Demographic Analysis
- Identify Projected Student Enrollment
- Conduct Space Utilization Study and Document Current Facility Needs

### Program Validation: Facility Standards & Educational Adequacy
- Develop/Update District Educational Specifications
- Develop/Update District Facility Standards Documentation

### PHASE I
- Team Mobilization

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**Inspect & Analyze: Faith-based, Public, Private, International Education**
- On-site Analysis
- Building Tours
- Educational Adequacy Review
- Learning Protocol Assessment
- Learning Environment Confirm
- Forensic Investigations
- Data Documentation
- Determine Requirements
- Make Recommendations

**Inspect & Analyze: Due Diligence, Site, Traffic and Infrastructure Analysis**
- Analysis of Agency Codes
- Deed Restrictions
- Determine Future Requirements
- Finalize Opportunities and Costs

**Database Upload & Review**
- Classification Codes
- Priority Codes
- Cost Estimates
Long Range Facilities Master Plan Process

PHASE II

Inspect & Analyze Facilities
- On-site Analysis
- Building Tours
- Educational Adequacy Review
- Learning Protocol Assessment
- Learning Environment Confirmation
- Forensic Investigations
- Data Documentation
- Determine Requirements
- Make Recommendations

Inspect & Analyze Sites
- Due Diligence, Site, Traffic and Infrastructure Analysis
- Analysis of Agency Codes
- Deed Restrictions
- Determine Future Requirements
- Finalize Opportunities and Constraints

Review Findings
- Analyze condition assessment and cost estimates of proposed improvements
- Confirm Scope of Work Items and Validate Priorities
- Conduct second on-site inspection of property and district assets

Programs / Schools
- Review program offerings by level
- Confirm alignment with strategic design
- Offer alternatives for space utilization
- Develop possible options at various cost levels

Community Engagement
- Facilitate Community Town Hall
- Update/Input Community on Current Master Plan Objectives

Finalize Assessment Report

Data Analysis

Cost Analysis & Community Outreach

Database Upload & Review
- Classification Codes
- Priority Codes
- Cost Estimates
Long Range Facilities Master Plan Process

PHASE III

Technology Standards
- Upgrade technology qualities to align with learning plans.
- Identify Potential Funding Sources

Learning Environments
- Identify options for implementation
- Provide plans per campus

Long-Range Facility Master Plan
- Final Review and Selection of Preferred Option that will be Adopted as the Official LRFMP

Data Analysis

Cost Analysis & Community Outreach

Finalize Master Plan Report

Final Database Upload & Review
- Validate and Test
What are your expectations?

Learning 1.0
One Size Fits All
Lecture
No Technology

Learning 2.0
One Size Fits All
Devices for
Consumption
Notes, Digital Worksheets

Learning 3.0
Personalized
Technology for
Creation
Collaboration,
Problem-Solving
How do you get ROI on technology?
What not to do...

WHAT SCHOOLS MUST LEARN FROM LA'S IPAD DEBACLE

Published by WNYC News

Why Hoboken is Throwing Away All of its Student Laptops

THE BLOG 04/16/2013 04:43 pm ET | Updated Jan 16, 2013

Technology in Education: Before You Make a Purchase, Make a Plan

AUG 22, 2012 @ 02:35 PM 4,172

No Shock as Peru's One-to-One Laptops Miss Mark

LePage calls Maine's student laptop program a 'massive failure'

© October 14, 2016 | Daily Brief
By Christopher Cousins
Community Vision + Learner Experience & Technology Plan = Learner Outcomes
Community Input

What are your highest hopes for your learners as a result of their time in school?
“We need to learn about real life before we leave and have to jump in.”
-Dallas ISD Student

“I want to come to school because my future depends on it.”
-Dallas ISD Student

“My hope is to be able to compete in the real world - school is competitive and even more so in the workforce.”
-Dallas ISD Student

“We should be doing student focused learning, self control, becoming independent.”
-Dallas ISD Student
“I hope my learners gain the skills they need to do whatever they want with their lives. Education should open doors and create opportunities.”
- Dallas ISD Teacher

“The world has become technology driven so my hope is that students are exposed to technology and information skills so that they are able to compete in today’s world.”
- Dallas ISD Staff

“My hope is that they are well-prepared for the next step (workforce, higher ed, technical training).”
- Dallas ISD Parent/Community Member

“I hope they become lifelong learners, find passion, add to community.”
- Dallas ISD Parent/Community Member
e2L Learning Environment Design

- Call to Action
- Learner Profile/Outcomes
- Learner Experience Model
- Design Principles
- LEARN© Rubric
- Strategic Technology Plan
- Strategic Facilities Plan
Call to Action

All Dallas ISD learners develop a lifelong love of learning to ignite their own passions and be resiliently successful in a global society.
**LEARNER OUTCOMES**

1. All students will complete a College Work Readiness Assessment in their Junior year.
2. 100% of students demonstrate intra and interpersonal soft life skills (critical thinking, problem solving, communication, collaboration, financial literacy).
3. All students will demonstrate positive contributions to the community to promote ethical values through three student led activities.
4. All secondary students will have a graduation plan, and graduate with a personalized post secondary plan.
5. 100% of students will demonstrate academic growth each year.
6. Each learner will utilize/demonstrate digital skills in every course to communicate, collaborate, research and problem-solve.
If this is how we “close the gap”
Employers, colleges, and the community agree...

<table>
<thead>
<tr>
<th>Skill</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Leadership</td>
<td>80.1%</td>
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<tr>
<td>Ability to work in a team</td>
<td>78.9%</td>
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<tr>
<td>Communication Skills (written)</td>
<td>70.2%</td>
</tr>
<tr>
<td>Problem-solving Skills</td>
<td>70.2%</td>
</tr>
<tr>
<td>Communication Skills (verbal)</td>
<td>68.9%</td>
</tr>
<tr>
<td>Strong Work Ethic</td>
<td>68.9%</td>
</tr>
<tr>
<td>Initiative</td>
<td>65.8%</td>
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<tr>
<td>Analytical/ Quantitative Skills</td>
<td>62.7%</td>
</tr>
<tr>
<td>Flexibility/ Adaptability</td>
<td>60.9%</td>
</tr>
<tr>
<td>Technical Skills</td>
<td>59.6%</td>
</tr>
<tr>
<td>Computer Skills</td>
<td>55.3%</td>
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</tbody>
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National Association of Colleges and Employers, 2016
What is Equity?
Dallas ISD Learning Environment Design Principles

- Furniture
- Common Spaces
- Lighting
- Environment
- Classroom/Learning Spaces
- Student Devices
- Administrative/Operational Technology
- Infrastructure
- Media Center/Library
- Access to Digital Resources/Learning Mgmt System
- Learning Space Technology
- Finishes/Writable Surface
Evaluation Scorecard Criteria

- Academic Achievement
- Equity
- Sustainability
- Evaluation
- Readiness
Technology Plan Goals

- Teaching and Learning
- Leadership and Instructional Support
- Community
- Technology Ecosystem
Facilities Assessment/Long Range Master Plan
What is a Facilities Assessment?

A Facilities Assessment is a detailed document that identifies the physical condition of a facility and measures it against its life expectancy.
Facilities Assessment Process

Facilities Assessment – Data Gathering

- Meet with key district personnel to gain insights on goals, educational plan and vision for the district’s facilities.
- Issue questionnaires for campus input.
- Meet with Principals to review their input and walk the schools.
- Review input from community survey.
Facility Assessment Process

Facilities Assessment – Facility Walkthroughs & Data Entry

• Teams of Architects, Engineers & Specialized Consultants will walk every district facility & document:
  ▪ System Deficiencies
  ▪ Code Issues / ADA Compliance Issues
  ▪ Lifecycle Replacements
  ▪ TEA Compliance
  ▪ Programmatic Issues / Capacity Verification
  ▪ Educational Adequacy

• Data entered and prioritized
• Costs estimates generated
• Reports generated by campus
Long Range Facilities Master Plan Components

Facilities Assessment – Other Reports

- Preventative Maintenance Schedule
- Educational Specifications
- Technical Design Guidelines
- Capital Improvement Projects
- Bond Project Report
Facilities Assessment – Capacity Study

- Utilization Study
- Review School Schedules
- Determine District approved methodology for determining capacities
- Optimal vs. Design Capacities
Long Range Facilities Master Plan – Campus Master Plans

- Prepare Master Plans for each campus in alignment with all the findings
  - Learn Rubric Assessment
  - Technology Plan
  - New Ed Specs
  - Facilities Assessment

  - Indicate Possible Addition Areas
  - Indicate Possible Renovation Areas
Long Range Facilities Master Plan Components

Long Range Facilities Master Plan – Campus Master Plans

• Major Goals
  • Improve exterior appearance of schools
    • Lighting, landscaping, signage
    • Clear sense of entry
    • Fenestration and masonry
  • Provide safety and security systems
    • Card Access
    • Security Cameras
  • Alignment with Dallas ISD Learning by Design
    • Improve the learning environment
    • Provide equity
Long Range Facilities Master Plan Components

MAJOR RENOVATIONS
- Id mo et et faccullum ut laecipitida simus
- Evellorum aperitibunt que latem et aut
- Id mo et et faccullum ut laecipitida simus
- Id mo et et faccullam ut laecipitida simus

LIFE CYCLE IMPROVEMENTS
- Id mo et et faccullam ut laecipitida simus
- Evellorum aperitibunt que latem et aut
- Id mo et et faccullam ut laecipitida simus
- Id mo et et faccullam ut laecipitida simus

SAFETY + SECURITY
- Id mo et et faccullam ut laecipitida simus
- Evellorum aperitibunt que latem et aut
- Id mo et et faccullam ut laecipitida simus
- Id mo et et faccullam ut laecipitida simus
Long Range Facilities Master Plan Components
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Long Range Facilities Master Plan – Other Upgrades

• Learning by Design
  • Furniture
  • Outdoor Learning Environments
  • Diverse Learning settings
    • Smaller Settings
  • Transparency and Visibility
Long Range Facilities Master Plan Components

Long Range Facilities Master Plan – Final Document

• Present Long Range Facilities Master Plan to Board of Trustees
  ▪ Timelines and Costs Finalized
  ▪ Final Document Published
  ▪ Current design projects are vetted against the Final Plan.
Q&A

Scott Layne  
Deputy Superintendent of Operations  
slayne@dallasisd.org  
Dallas ISD  
www.dallasisd.org  
@dallasschools  
#envisiondallasisd

Jill Galloway  
e2L Innovation Strategist  
jill@engage2learn.org  
engage2learn  
www.engage2learn.org  
@ShannonKBuerk,  
@engage_learning  
#engage2learn

Irene Nigaglioni  
President  
irene@in2arch.com  
IN2 Architecture  
www.in2arch.com  
@inigaglioni,  
@in2arch

Free resource!  
Download the e2L Life Ready Skills Rubrics here: https://engage2learn.org/life-ready/