



**BUILDING**  
*the* **VISION**  
Fort Worth ISD

**2007 FWISD Capital Improvement Program (CIP)**  
**A Commitment to Sustainable Design**

**CHPS Training - December 7, 2008**

- **Our School District**

- **Fort Worth ISD enjoys a diverse student population and strong community partnerships**
  - 80,000 students
  - 8 Board Member Districts
- **Our physical plant consists of**
  - 80 elementary schools
  - 24 middle schools and 6th grade centers
  - 13 high schools
  - 27 special campuses
- **62% of FWISD Schools are over 50 years old**
- **Our expectation is that all Fort Worth ISD students will attend schools that are caring and have supportive learning communities**



- **Our Teachers & Staff**

- **Fort Worth ISD strives to create a work atmosphere for its teachers that is collaborative, supportive and stimulating**
  - 5,003 teachers
  - 6,374 other staff
- **A productive learning environment depends on the ability of our teachers to share ideas and best practices and to have access to the most up-to-date training in the field of education**
- **Students and Teachers are entitled to safe and healthy school sites and building environments**



- **Parents and Community**
  - **Parents are the primary educators and support system for students**
  - **Community involvement in a child’s education is crucial to success inside and outside of the classroom**
  - **Schools that follow “green” guidelines can contribute to the improvement of our community’s environment by minimizing waste, air and water pollution, etc.**



**One of our goals is to build new sustainable buildings and renovate existing buildings for community use and enjoyment during off hours**

# What we expect from sustainability

- **Academic Improvement**

- **When learning environments are**
  - naturally lit
  - thermally comfortable
  - well maintained
- **Student achievement is greater**
- **Attendance is higher**
- **Teacher retention is improved**

- **Operational Efficiencies**

- **Schools should employ design, construction and operation strategies that minimize long-term operational costs; in particular for energy and water use**

- **“Green” Partnerships**

- **Partnerships with Federal, State and Local Utility programs that support and encourage sustainable design, operational practices and potential savings.**



**The Board of Education of the FWISD approved the first sustainable design policy for a Texas School District**

# Our Commitment to Sustainable Design

- **Revision to local Board Policy**
  - Facilities Construction for sustainable design approved in May 2008
- **Background**
  - The CIP provides a unique opportunity to move beyond traditional design towards high performance buildings
  - The sustainable design policy is consistent with the strategic goals of Vision 2010.
  - The design must be organized, in a judicious way with consideration of approved budgets
- **Content**
  - The policy directs staff to research, define and implement sustainable design criteria into the CIP projects



**New sustainable sites and buildings will be completed in 2010 and 2011**

- **Objectives**

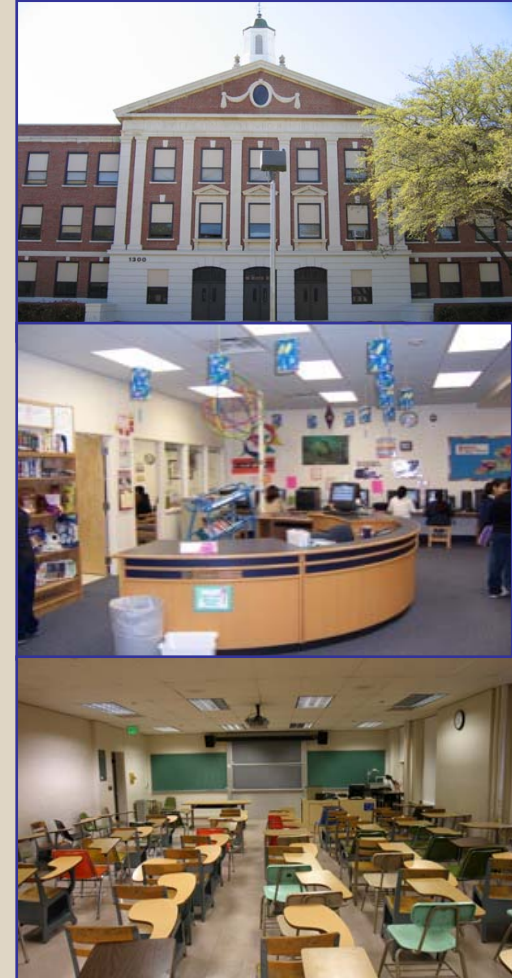
- Improve school safety and security
- Renovate critical building systems
- Emphasis on classroom technology
- Comparable classrooms & schools district wide
- Modernize Athletic Facilities
- **Build New Sustainable/Cost Effective Schools**
  - **Adopted CHPS Verified**

- **Scope**

- Renovations to all existing schools and athletic facilities
- **342 new classrooms**
  - 6 new schools
  - 8 new additions

- **Budget**

- Overall: \$593.6M
- Construction: \$551.9M (New Schools: \$172.9M)



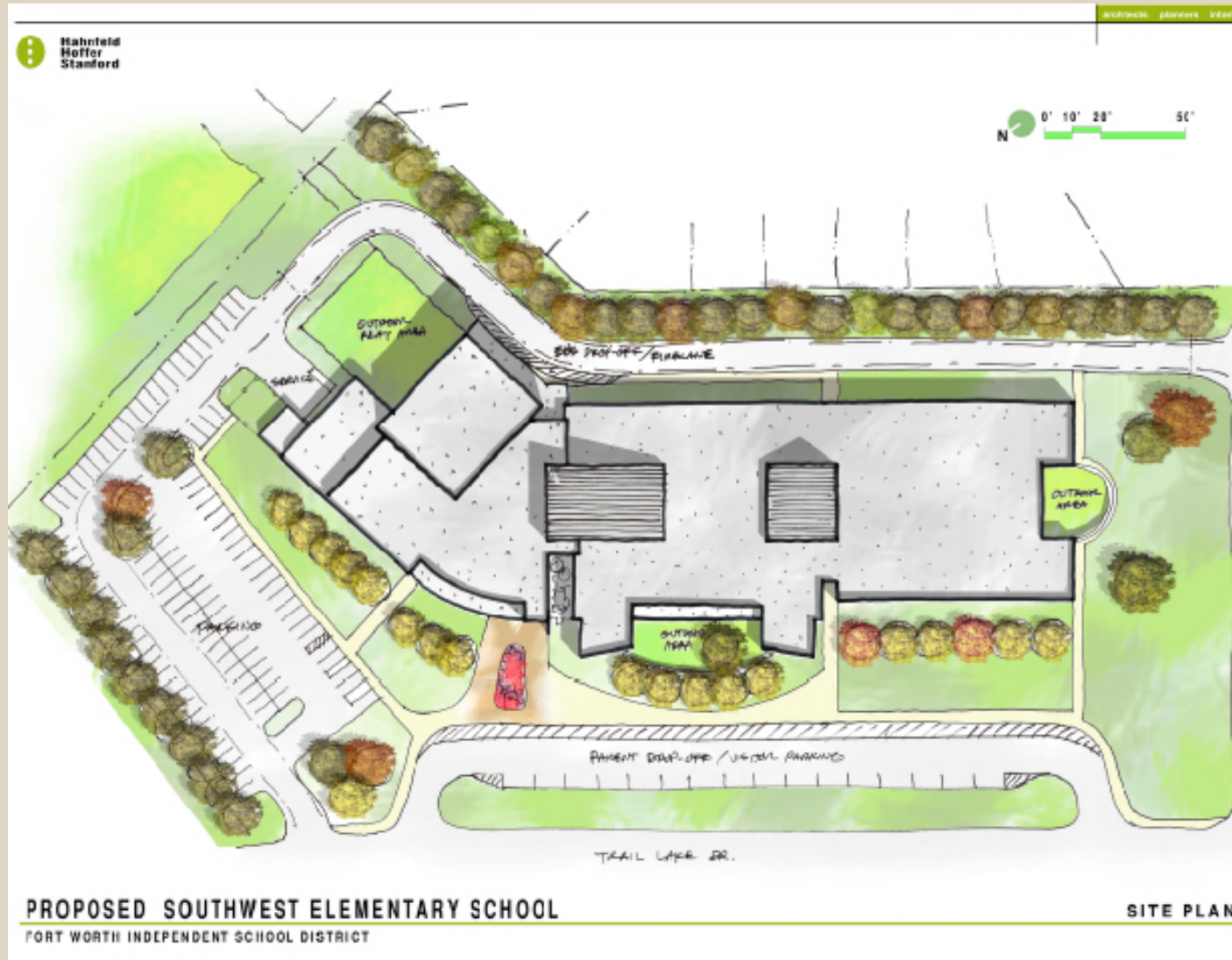
# Hazel Harvey Peace Elementary School



- **First sustainable school in the District**
- **7421 Trail Lake Drive, Fort Worth TX**
- **650 Students Capacity**
- **75,000 GSF**
- **CHPS Verified**
- **Architect: Hahnfeld Hoffer Stanford**
- **General Contractor: Thomas S. Byrne**
- **Program Manager: AECOM**
- **Budget \$11.1 M**
- **Opening Fall 2010**



# Hazel Harvey Peace Elementary School



# Hazel Harvey Peace Elementary School



**Hahnfeld  
Hoffer  
Standard**

architect planners interior



**PROPOSED SOUTHWEST ELEMENTARY SCHOOL**  
FORT WORTH INDEPENDENT SCHOOL DISTRICT

**FLOOR PLAN**

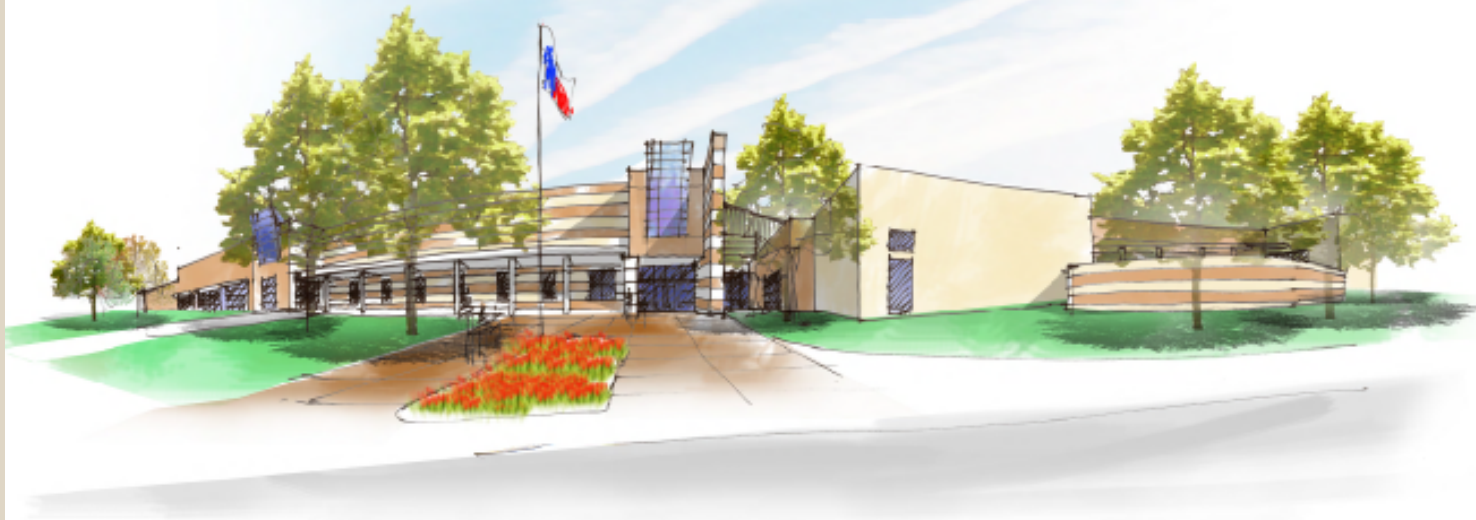
# Hazel Harvey Peace Elementary School



Mahrfield  
Hoffer  
Stamford

architect planners interior

MAIN ENTRY



PROPOSED SOUTHWEST ELEMENTARY SCHOOL

FORT WORTH INDEPENDENT SCHOOL DISTRICT

ELEVATION

- Project registered with CHPS
- CHPS Assessment Tool 2009 Edition Criteria
  - Leadership, Education and Innovation = 4 points
  - Sustainable Sites = 7 points
  - Water = 6 points
  - Energy = 8 points
  - Climate = 0 points
  - Materials and Waste Management = 3 points
  - Indoor Environmental Quality = 11 points
  - TOTAL = 39 POINTS
- Architect: Hanefeld Hoffer Stanford
- Commissioning and Verification Agent: Summit
- Currently uploading verification data to CHPS website

# Other CHPS Verified Projects



- **Benbrook Middle School**
  - VLK Architects
  - Budget: \$29.2M
  - Opening Fall 2011
- **Forest Middle School**
  - WRA Architects
  - Budget: \$29.2M
  - Opening Fall 2011
- **Paschal Relief Elementary School**
  - Perkins + Will Architects
  - Budget: \$12.1M
  - Opening Fall 2011
- **John T. White Elementary School**
  - BRW Architects
  - Budget: \$12.1M
  - Opening Fall 2011



## Where are we right now?

- **Working with AECOM, our program manager, and the Architect teams to continue develop our sustainable design strategies**
  - First “green” elementary school is at 50% construction completion
  - Four remaining new schools in bidding process
- **Participating in CHPS Texas**
  - Industry forums - seminars
- **Sharing information with school districts and agencies**
  - Developing collaborations
- **A “green” approach to doing business**
  - Recycled materials, light sensors, etc.
- **Reaffirming our commitment to sustainable design**

**Stay tuned...**

