

April 4, 2016

# School Construction Roundtable



# FCPS School Construction Program

1995- 2015

20	New Schools
13	School Additions
<u>5</u>	<u>Renovation/Additions</u>
38	Total Major Capital Projects



# FCPS Project Delivery Approach

- Facilities Planning Department – Site Selection/Ed Specifications
- Construction Management Department – Design/Construction
- Design-Bid-Build
- Construction Management – CM Agency
- Other Key Players
  - State Public School Construction Program
  - Board of Education
  - FCPS Staff
  - Community



# Key FCPS Building Features

- 40 or more year life cycle
- Repeat designs where site permits
- Steel frame/ masonry veneer/conventional construction
- Low slope built up roof
- Durable wall and floor finishes
- Hardwire and wireless technology (since 2000)
- Silver LEED Certified (since 2012)
- Geothermal heat pump HVAC system (since 2012)



# Recent Major Projects

Linganore HS - 2010



Lincoln ES - 2012



# Recent Major Projects

Oakdale HS - 2008



North Frederick ES - 2014



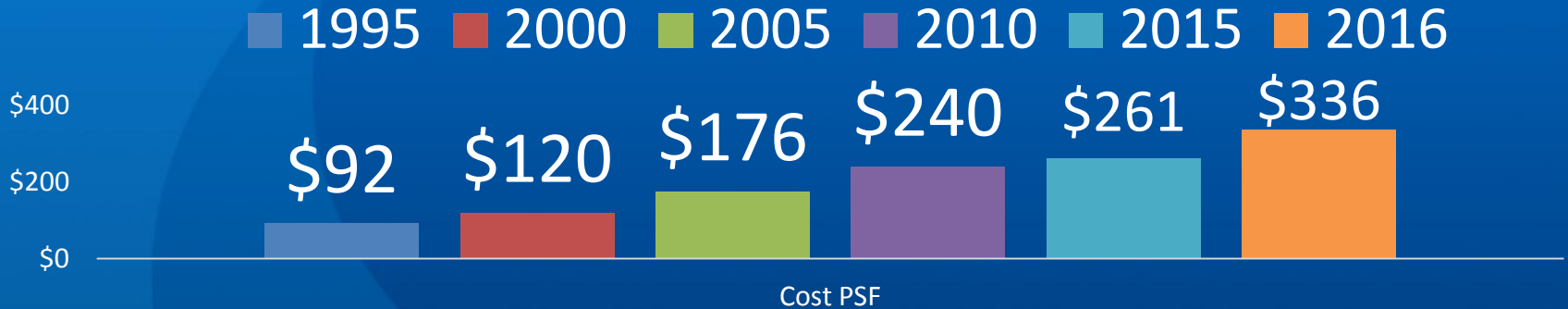
# Changes in the Landscape

- Educational Transitions
- Regulatory Changes
- Labor Market Challenges
- Material Costs



# Building and Site Costs – State Budgets

Cost per square foot





# Comparative Costs – LHS and FHS

Construction Type	Linganore HS - 2008	Frederick HS - 2015
Site work/demo	\$10,247,414	\$18,582,000
Concrete	\$2,533,918	\$4,157,045
Masonry	\$3,396,000	\$5,980,122
Steel	\$5,624,476	\$6,490,000
Carpentry/Casework	\$5,042,100	\$5,808,000
Roofing	\$3,210,627	\$2,981,750
Storefronts/Windows	\$2,667,550	\$3,727,700

# Comparative Costs – LHS and FHS

Construction Type	Linganore HS – 2008	Frederick HS - 2015
Drywall/Acoustical	\$3,980,600	\$7,873,850
Tile	\$456,859	\$1,285,000
Wood Flooring (Gym)	\$261,500	\$259,695
Carpet/Resilient Flooring, Terrazzo	\$779,415	\$1,685,000
Painting	\$378,880	\$558,700
Food Service	\$655,303	\$1,135,000
Mechanical	\$13,434,200	\$23,028,600
Electrical	\$8,373,634	\$13,431,000

# Status of Frederick HS

## Key Data

- Bids Opened – April 2015
- Total Square Feet: 270,618
- Total Construction Cost: \$95,625,307
- Building Cost: \$293 PSF
- Building & Site Cost: \$353 PSF
- On schedule to open in July 2017

## Frederick HS Under Construction





# Upcoming Major Projects

## Butterfly Ridge ES



## Other Future Projects

- Urbana ES Replacement
- Rock Creek School  
Reno/Replacement
- Waverley ES Addition
- East County Area ES
- North City Area ES

# QUESTIONS?

