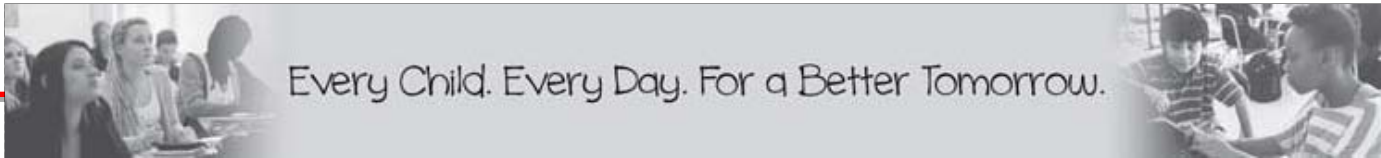


# **Report on Recommended Security Enhancement Projects**

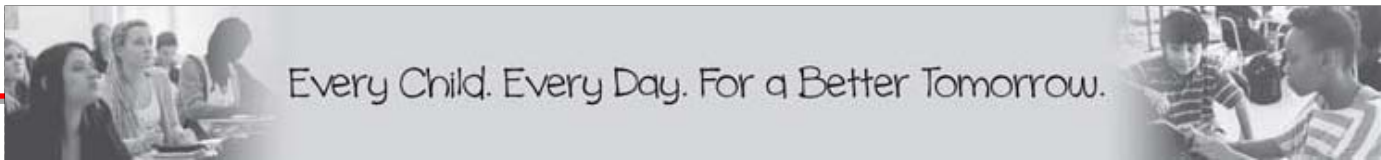
## **Charlotte-Mecklenburg Board of Education**

**February 26, 2013**



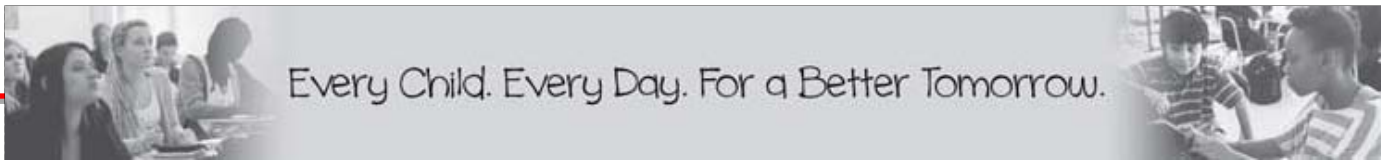
# Agenda

- Where are we now?
- Where do we want to be?
- How do we get there?
- County capital support
- Proposed projects



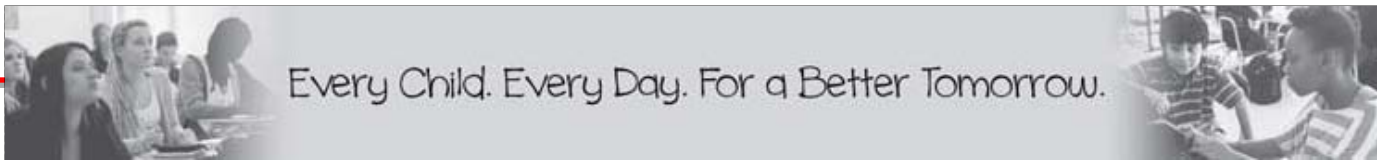
## Where are we now?

- Camera systems at high school and administrative sites
- School resource officers at middle and high schools
- American pad locks for all CMS gates and fences
- Fencing around sports fields and potentially hazardous facilities
- ID badges required at some sites
- Electronic visitor check-in systems at some sites



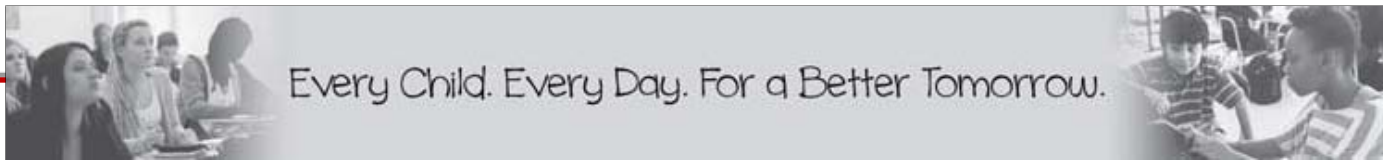
# Where do we want to be?

- Systems that actively communicate with each other
- Centrally located systems
- Easily identifiable staff and students
- Easily accessible information
- Systems that can be managed
- Electronic entry



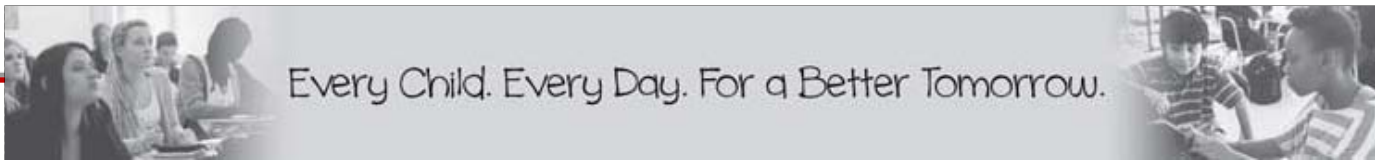
## How we get there?

- Cross-functional departmental communication
- This is not a sprint; it is a middle- to long-distance race
- Implementing the necessary security changes within CMS culture
- Capital support from Mecklenburg County
  - 2007 bond savings (\$40 million)



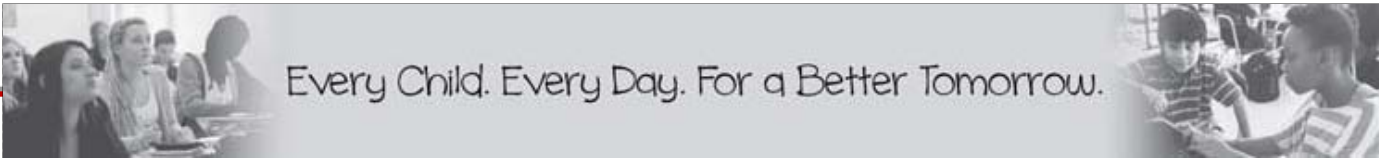
### Proposed Security Cost Estimates

Project	Amount
Electronic entry at every campus (Airphone, card/fob readers)	\$1.2 million
Security fencing around mobiles	\$10 million
Security fencing around building	\$3 million
Cameras at all elementary and middle schools	\$16 million
Infrastructure/bandwidth upgrades	\$821,000
Raptor v-soft or Indent-A-kid (annual renewal up to \$80,000)	\$240,000
Upgrade internal police radio system (bidirectional antennas)	\$2.5 million
<b>Total</b>	<b>\$33.7 million</b>



# Project Specifics

- Electronic entry installed at all 159 school sites
- Security fencing strategically placed at perimeter of all schools and selected potentially vulnerable locations within the school grounds; scope of fencing based upon a determination of needs at a sampling of existing elementary, middle and high schools
- Surveillance camera/DVR system installed at all elementary and middle schools
- District-wide bandwidth upgrades installed to support camera additions
- Raptor v-soft/Ident-A-kid scanner systems installed at all elementary schools
- Bidirectional antennas installed at all district schools



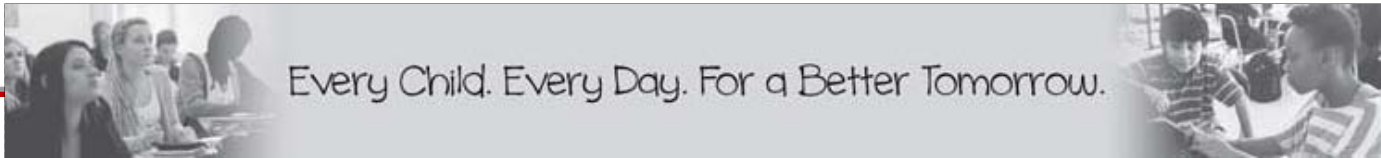
## Project Specifics (cont'd.)

- Staff evaluated a representative sample of elementary, middle and high schools and determined that, on average, about 2,700 feet of 8-foot, black vinyl coated chain link fencing per campus would be needed to provide perimeter security and protection of potentially vulnerable locations on campuses.
- The average cost of this type of fencing is about \$20 per foot, for a total of \$8.5 million.
- Design and contract administration would cost about \$2 million. An allowance of \$1.5 million is provided for gates, electronic latches and card readers. A contingency for unforeseen circumstances is \$1 million.
- Total cost of this project is approximately \$13 million.



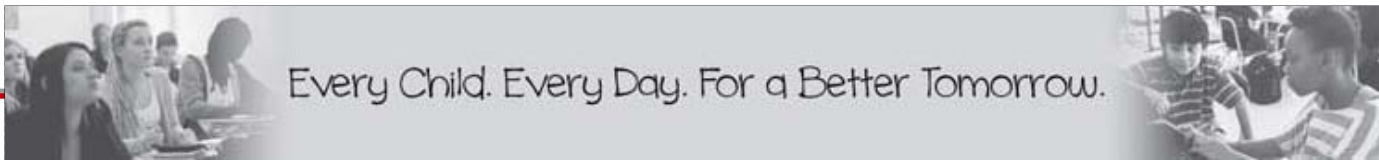
# Collaboration

- A cross-functional team led by Auxiliary Services
- Communication with local fire and law enforcement officials on implementation
- School-based assessments
- Prioritization of projects



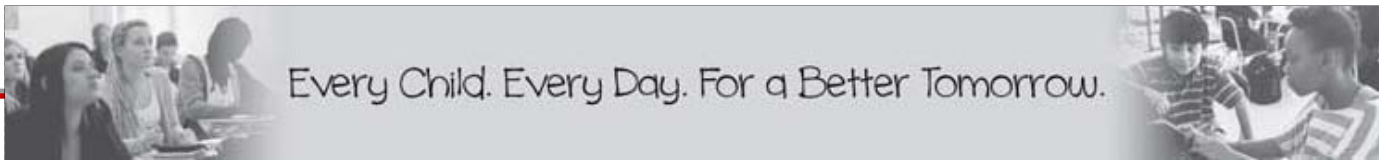
# Culture Change with Unintended Consequences

- ID consistency
- Visitor policies (regulation input)
- Unintended consequences
- Reduced flexibilities

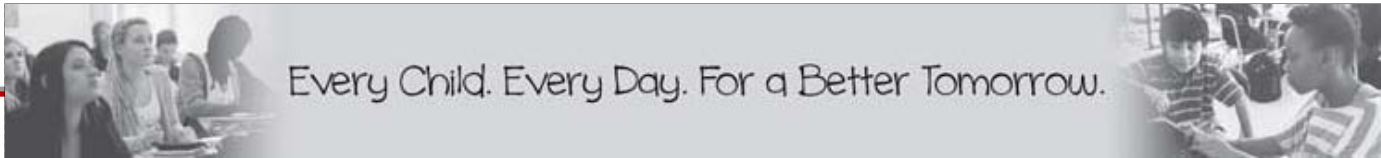


# Projected Timeline

- Feb. 26 – Charlotte-Mecklenburg Board of Education Presentation (vote)
- March – Mecklenburg Board of County Commissioners (vote)
- July – County releases FY14 funds (pending BOCC vote)
  - Board of Education asked to begin approving contracts
- August – Security projects begin



# Questions?



Every Child. Every Day. For a Better Tomorrow.