

# Bond Planning Committee

Operational Services  
October 8, 2009





# Operational Services

- Facility Services
- Compliance
- Nutrition Services
- Transportation Services
- Distribution (Warehouse)
- Public Information
- Human Resources



# Business Services

- Financial Services
- Purchasing Services
- Payroll & Employee Benefits
- Systems Analysts & Support
- Tax Office



# Assessment & Evaluation

- Energy Efficiency & Conservation
- Roof Structures
- Mechanical, Electrical & Plumbing (MEP)
- Kitchen Equipment
- Security Audits
- Internal Assessments
  - Compliance
  - Finishes



# Replacement Cycles

- School Buses – 14 years or 150,000 miles
- Service Vehicles – 10 years or 100,000 miles
- Furniture – 15 years
- Equipment – Varies by Type
- Roofs – Based on Life Expectancy
- MEP – Based on Life Expectancy
- Flooring – Carpet (5-7 years), VCT (10-15 years), Ceramic (15-20 years)
- Ceilings – Grid (10-15 years) Tiles (5-7 years)
- Walls (ceramic) – 10-15 years
- Lockers – 10 years
- Cameras – 10 – 15 years



# Priorities

- Security
- Safety
- Energy Conservation
- Maintaining Facilities & Systems Operational
- Preservation
- Ensure Functional and Effective Operations
- Creating Efficiencies
- Listed as Priority 1 or 2



# Security

- Facility Cameras and Access Control Readers
  - Replace analog with digital (over 10 years old)
  - Replace the computers and screens used to monitor the cameras
  - Add cameras to secondary gymnasiums
  - Replace 50 control readers
- Badge Making Equipment
- Visitor Background Checking & Logging System
- Bus Cameras
- Global Positioning System (GPS)
- Radio Frequency Identification (RFID)
- Modified School Entryways



# Safety

- Replacement of Yellow and White Fleet
- Replacement of Specified Equipment (safety or security label under the heading 'type')
- Replacement and Upgrade of Exterior Building Lighting
- Emergency Radios



# Energy Conservation

- Lighting Retrofits & Occupancy Sensors
- Water Efficiency Upgrades
  - Sink Moderators
  - Retrofit Toilets/Urinals for Minimum Gallons Flushed
  - Irrigation Controls
  - Synthetic Turf on Fields
- Control Systems
  - Expand EM Control
  - CPU Management
  - Vending Control
- HVAC Systems
- Building Envelope Improvements
  - Replace Windows and Add Window Film
  - Roofing Upgrades



# Maintaining Facilities & Systems

- Roof Replacement Cycle
  - 5 Year Implementation Plan
  - Repairs to Extend Life of Roof
- MEP Upgrades Based On
  - 5 Year Implementation Plan
  - System Control & Operational Integrity
  - Improving Poor/Limited Performance in Systems
  - Electrical & Plumbing Upgrades and Additions
  - Lighting Upgrades and Addition of Controls
  - Preservation of Emergency Lighting & Fire Alarm Systems
  - Beneficial Impact on Energy Use



# Maintaining Facilities & Systems

- Add Adjustable Sensors for Thermal Comfort
- Replace Lamps and Ballasts on Competition Field Lights
- Add Ventilation Under CHHS Gym 1 Floor
- Replace Main Gas Lines at CMS and Upgrade to Medium System Pressure
- Replace Elevator in Science Wing at CMS
- Add Emergency Lighting to CTMS Gym
- Replace Elevator at M-P stadium
- Replace Backflow Device Supplying 900 Wing at GHS



# Maintaining Facilities & Systems

- Add Shut-offs at Science Labs
- Replace Burglar Alarm System at HMS
- Replace Brick Column at Front Entry CTMS
- Abate Asbestos



# Preservation of Facilities

- Painting interior every 3 years
- Painting exterior every 5 years
- Flooring allowance



# Facilities - Equipment

- Replace Custodial Equipment
- Add and Replace Lifts (e.g. CHHS)
- Replace Grounds-Keeping Equipment



# Nutritional Services - Equipment

- Replacement Required to Remain Operational
  - Equipment that has reached end-of-life (18 to 20 years) or is beyond life expectancy
  - Repairs are too costly and/or parts are unavailable
- Remodels Needed to Efficiently Handle Students
  - HMS Remodel
  - CTMS Remodel
- Walk-In Cooler/Freezers & Condensers
- Buffet Well Steam Tables
- Pass-Thru Refrigeration/Warming Units
- Steamers



# Nutritional Services - Equipment

- Replace Computers & Printers on the Serving Line
- Add Cameras to View Storage Rooms and Walk-in Units



# Transportation Services

- School Buses (yellow fleet) that have reached or will reach the replacement age/miles by 2015
- Service Vehicles (white fleet) that have reached or will reach the replacement age/miles by 2015
- Some bus replacements have been recommended to accommodate overcrowded routes; this addresses efficiency and safety
- Video cameras on buses for student discipline and safety
- GPS & RFID
- Tire Balancer to reduce tire wear
- Replacing underground fuel tanks and dispensers
- Vehicle Wash Equipment
- Forklift Batteries
- Propane Fueling Station



# Human Resources

- Replace Badge Making Equipment
- Add Moveable File Bays
- Add “Kiosks” at Various Locations



# Public Information & Print Shop

- Add the Video Streaming Server
- Replace Video Editing Equipment
- Replace Print Shop Equipment (parts no longer available)
  - Programmable Paper Cutter
  - Multiple Spindle Paper Drill
  - Automated Creaser
  - Automated Folder



# Distribution Services

- Replace Ice Maker
- Add Metal Ramp Jacks
- Replace Dock Pads
- Add Bar Code Scanner
- Add Digital Scanner



# General: Schools & Departments

- Replace Furniture
- Replace Computer, Printers, Scanners, and Copiers
- Replace Emergency Radios

# Questions

