Presentation Outline

• Who we are & why we are here
• Prior Facilities Needs Assessment
• Work Completed from Prior Study
• District-Wide Facility Needs Update
  – Enrollment
  – Deficiencies
  – Overall Findings
• Next Steps
Introduction – Who we are…

- History of RVB
- History of RVB with MTSD
- Interview 2005
- 2006 District-Wide Facilities Study
- 2015 District-Wide Facilities Update
A feasibility study is one of the most important phases of the planning process when considering a school construction project. As part of your facilities analysis, the project team reviews:

- The educational philosophy of the community
- The requirements of the expanded/renovated facilities
- The educational objectives of the school system
- The project budget and cost estimates

A needs assessment must happen first.
District-Wide vs. Project Planning

• Meeting the guidelines or truly being open to the process
    • Request for District-Wide Needs Assessment
    • Expectations of Enrollment and Development
    • Involvement of Focus Group/Community
    • Alternatives Analysis
  – District Philosophy 2015/2016
    • Again District-Wide Assessment without predispositions
    • Enrollment & Development Review
    • Involvement of Focus Group
    • Long-term use for capital maintenance
Facility Study Information

• Assess the functional capacities of each school
• Assess technology
• Record deficiencies
• Assess ADA and other code compliance issues
• Alert school authorities to imminent hazards
• Provide a gauge of the educational adequacy of each school facility
• Produce concept drawings of the existing facilities
• Provide a relevant cost to correct identified deficiencies
Factors Considered & Reviewed

• Global
  – Enrollment Trends & Space Needs
  – Teaching methods
  – Educational Program
  – Community needs

• Specific
  – Life Safety & Security
  – Operations/maintenance savings
  – Structural integrity
  – Aesthetics
  – Regulations/codes
2006 Facilities Study

• The Process
  – Enrollment & Capacity Reviews
  – Principal & Administration Interviews
  – Physical School & Maintenance Review
  – Focus Group Iterative Meetings

• The Findings
  – Increasing Enrollment
  – Community Interest in Full-Day Kindergarten
  – Educational Concern with Bucher Open Layout
  – School Capacity Needs & Deficiencies Detailed
# 2006 Facilities Study

## Schools at a Glance

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**Notes:**

1. Recently renovated schools may have skipped some system improvements (i.e., interior doors/security hardware) that should be addressed as capital maintenance in the short-term.
District Projects – 2006 forward

- Bucher Elementary School Major Construction Project to address school deficiencies
- District Office Relocation to Bucher Site
- Creation of a 5-6 Academy – Landis Run
- Capital Maintenance Program
  - Annual upgrades to capture infrastructure needs not included in major construction projects
LANDIS RUN 5/6 ACADEMY
BUCHER ELEMENTARY SCHOOL
Where do we go from here?

MAINTAINING QUALITY FACILITIES...

RVB - NEEDS ASSESSMENT UPDATE...
2015 Facility Needs Assessment

**District-Wide Facilities Study**

- Enrollment Review
- School Capacity
  - Space Needs Review
- Principal Interviews
  - Space & System Needs
- System Deficiency Review
- Director / Administrator Interviews
- Focus Group Review
- Community Outreach
## COHORT-SURVIVAL ENROLLMENT PROJECTIONS

**District Name:** Manheim Township  
**County:** Lancaster

**Notes:** Historic enrollments are based on district PIMS fall reports. Birth data is projected for 2015 forward. Projected birth data is based on the average of the prior 2 years.

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Average Survival Rate: 1.056

**Projections**

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*“S” = survival rate

**~5800 students**
Enrollment (2015)

- Enrollment is flat
- No construction associated with increase
- No need to re-district
- Focus can be placed where needed
  - Condition of Existing Facilities
  - Function of Existing Facilities
  - Curriculum Impacts
  - Program Needs
Principal & Directors Findings (2015)

District-wide concerns

• Need for administrative conference space
• Cafeteria sizes
• Pick up Queue
• Need network upgrades and consistent network dedicated spaces in schools
• Need improved toileting for special needs
• In need of Gifted/Club/STEM spaces
• Standardize card access & security cameras
• Assess security camera needs by school – equity of use
• Assess elementary playground needs and equity

• Brecht Elementary School
  – Building
    • Enclose eaves / cover siding
    • Repair interior brick marks (re-trim)
  – Mechanical & Electrical Deficiencies
    • Mechanical equipment reaching useful life
    • Electrical transformer efficiency & ventilation
    • Interior Lighting levels (gym)
    • Exterior security lighting
    • Misc signage & receptacles

• Bucher Elementary School
  – 2009 Construction Project
  – Queuing line & traffic concern

• Neff Complex
  – Glass block windows in gym
  – Playground asphalt upgrades
  – Nurse Suite ADA compliance
  – Tarped corridor storage areas
  – Corridor & circulation space upgrades
  – Mechanical /Electrical equipment reaching end of life
    • AHU, Pumps, energy recovery equipment
    • Domestic HWH, no return line
    • Transformer efficiencies & ventilation

• Nitrauer Elementary School
  – Isolated upgrades needed of exterior doors, hardware & toilet facilities
  – ADA Hardware at classrooms
  – Lighting: windowless library, gym, exterior
  – Corridor & Circulation area upgrades
  – Aging plumbing fixtures
  – Mechanical & electrical deficiencies
    • Aging boilers – fair, but watch life
    • Rooftop Mechanical Equipment life
    • Combination pneumatic & digital DDC
    • Transformer efficiency & ventilation

• Reidenbaugh Elementary School
  – Building Signage Improvements (Aud/Gym)
  – Mechanical and electrical deficiencies/age
    • Domestic HWH
    • Cooling tower, Chiller & pumps
    • AHUs
    • Electrical Westinghouse gear/panels unsupported
    • Transformer efficiency & ventilation
    • Fire alarm devices original (panel new)

• Schaeffer Elementary School
  – Exterior doors
  – Pumps aging.
  – HWH aging
  – Transformer efficiency & ventilation
  – Lighting levels in gym

- Landis Run 5/6 Grade Center
  - Unable to close off Gym area for community use
  - Insufficient exterior electrical receptacles (PTO/outdoor activities)
  - Grass fields east of school underutilized (Back 40)

• Middle School
  – Science Labs needed
  – Gymnasium can’t fit spectator seating
  – Auditorium undersized & in need of renovation
  – Cafeteria undersized
  – Tech Labs upgrades, FCS inadequate (gas)
  – Narrow stairwells, elevator function & size
  – Locker Rooms upgrades needed
  – No special needs toileting support
  – Toilet room upgrades needed
  – General aged systems throughout

• Middle School
  – Building envelope: roof, windows, exterior doors
  – Wire glass in corridors
  – Cracking, failures in many terrazzo corridor locations
  – Interior doors & hardware compliance issues
  – ADA accessibility issues throughout

• Middle School
  – Major Mechanical & Electrical Deficiencies
    • HWH
    • Fixtures, ADA compliance
    • Original Piping: Sanitary & domestic
    • Boilers, hydronic system pumps
    • No corridor or stairwell ventilation (excluded from 1997 HVAC upgrade)
    • AHUs, etc aging
    • No fire suppression – expected if school renovated
    • Electrical service & branch panel upgrades
    • Interior lighting mix of T8 & T-12’s
    • Emergency Gas shut off
    • Additional fire alarm devices recommended

• High School
  – Safe school improvements at main office
  – Undersized geothermal well field
  – Narrow corridors (student input)
  – Lack of camera coverage
  – Poor site signage

• High School
  – Stadium upgrades
    • Home restrooms & concessions, lighting - underway as identified in 2006
    • Bleacher safety aisle rails
    • Renovation needs for visitor restroom & concession
    • Need stadium locker rooms
    • Turf Field 10 year old, anticipate renovation
  – Bleachers/Lighting at non stadium fields
    • Baseball lighting at end of life
  – Event Parking Concerns

• Expiring approval of parking lot & maintenance building
Focus Group Findings (2015)

• “Love the new Bucher”, “Love Landis Run”, Middle School “dark & dreary”
  – “Bad AC & ventilation”, especially auditorium
  – “Non-functional Pods”
  – “Leaking ceilings”
  – “Go from gem to prison”
  – Teachers in carts in hallways

• Concern with High School complex circulation & signage

• Students unescorted from MS to HS

• Smartboards needed throughout

• Landis Run – “all business”, break up entrance to “relieve anxiety”

- District-wide
  - Improvements made at vestibule entry for security. Additional card-readers may be needed, district standard on CCTV/Security to be developed.
  - Smart boards or equivalent in all classrooms?
  - Will the district become a one-to-one district with devices? HS, MS, ES, All levels?
  - LED lighting standard?
  - Utilizing water treatment!!
WHERE WE WERE 2006...
# 2006 Facilities Study

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Notes:

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WHERE WE ARE TODAY...
# 2015 Facilities Study

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**Notes:**

1. Recently renovated schools may have skipped some system improvements (i.e., interior doors/security hardware) that should be addressed as capital maintenance in the short term.
Key Considerations

Educational philosophy of the community &
Educational objectives of the school system
Next Steps

• School Board Input
• Community input
  facilities@mtwp.net
• Incorporation of School Board and Community input
  – May & June 2016
• Finalization of Report
  – July 2016
• Deliverable of Final Report and Presentation
Questions????