April, 2018 Capital Project Update

Read the November update:
### BSD 10 YEAR CAPITAL NEEDS

<table>
<thead>
<tr>
<th>School</th>
<th>Needs</th>
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<tbody>
<tr>
<td>Champlain Elementary School</td>
<td>$3,942,042</td>
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<tr>
<td>Edmund's Elementary &amp; Middle School</td>
<td>$10,007,561</td>
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<td>Flynn Elementary School</td>
<td>$844,036</td>
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<td>Integrated Arts Academy</td>
<td>$1,269,772</td>
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<td>Sustainability Academy</td>
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<tr>
<td>Smith Elementary School</td>
<td>$352,556</td>
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<td>Hunt Middle School</td>
<td>$6,103,505</td>
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<td>IRA Allen</td>
<td>$3,239,601</td>
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<td>Property Services</td>
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<tr>
<td>BHS Accessibility &amp; Maintenance Reserve</td>
<td>$1,700,000</td>
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<tr>
<td>Design &amp; Contingency</td>
<td>$9,883,134</td>
</tr>
<tr>
<td><strong>Total Needs over 10 years</strong></td>
<td><strong>$39,000,000</strong></td>
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</tbody>
</table>
FY18 PROJECTS

➢ North End Early Ed Satellite Program at Smith
➢ South End Early Ed Center at Champlain
➢ Edmunds C Building Renovations
➢ Hunt Middle School Locker Upgrade
➢ Hunt Middle School Parking Lot Paving and Sidewalk Improvements
➢ SA Playground Improvements
➢ BHS/BTC Elevator Replacement
What is Early Education at BSD?

- 8 District Classrooms “High Quality 5 STAR” (5 is the highest rating)
- All Classrooms are taught by a Early Childhood Special Educator
- All Classrooms are Co-Taught by a Speech Language Pathologist
- All Teachers are trained in the following systems:
  - Vermont Early Learning Standards (VELS)
  - Teaching Strategies Gold (TSG) Data Collection System
  - Early Multi-Tiered Systems of Support (E-MTSS)
### 2017-2018 Current Enrollment:

<table>
<thead>
<tr>
<th>Total Students Served</th>
<th>BSD Classrooms</th>
<th>Receiving Act 166</th>
<th>Students on IEPs</th>
<th>Intensive Special Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>541</td>
<td>171</td>
<td>370</td>
<td>100</td>
<td>28</td>
</tr>
</tbody>
</table>

### Where are Children Served:

- 8 BSD Classrooms
- 4 Sites (Ira, Flynn, SA, IAA)
- 44 Early Learning Partner Sites
- 22 On Waitlist
Why Build New Early Education Space?

- Current space is insufficient to meet enrollment demand
  - Universal preschool law has increased demand for preschool at public and private providers

- Early Education currently uses space in schools needed for K-5 programming

- Renovating Ira Allen building was considered, but...
  - Is nearly as expensive due to code compliance issues
  - Cannot accommodate additional classrooms to meet need
  - Would require finding alternative “swing” space for other projects (difficult and expensive)
PROJECTS DESIGN PROCESS

- Principal/director & staff input to define program needs
- Engineering
  - Mechanical, Electrical, Plumbing
  - Structural
  - Civil
    - Stormwater Consultant
    - Landscaping Architect
    - Wetland Consultant
    - Traffic Consultant
      - Traffic Study
- Permit Requirements
  - Water, Wastewater & Stormwater
  - Fire & Safety
  - Code Enforcement
  - Public Works
  - Zoning
    - TRC
    - NPA
    - DRB
    - Historic
    - Conservation Board
<table>
<thead>
<tr>
<th>EVENT</th>
<th>DEC</th>
<th>JANUARY</th>
<th>FEB</th>
<th>MARCH</th>
<th>APRIL</th>
<th>MAY</th>
<th>JUNE</th>
<th>JULY</th>
<th>AUGUST</th>
<th>SEPT</th>
<th>OCTOBER</th>
<th>NOV</th>
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<tr>
<td>SITE ANALYSIS</td>
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<td>$500K ADVERTISEMENT NOTICE &amp; PRE-QUALIFICATION</td>
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<td>MAJOR HOLIDAYS &amp; BREAK PERIODS</td>
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<td>BUILDING INSPECTOR &amp; FIRE MARSHAL REVIEWS</td>
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<td>CONTRACTOR SUBMISSION FOR PRE-APPROVAL TO BID</td>
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<td>Technical Review Committee (TRC - 2nd Thursday of Month) 4/12</td>
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<td>CONSERVATION BOARD (CB) 5/7 on the agenda</td>
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<td>DESIGN ADVISORY BOARD (DAB) 5/8 (File before 4/25)</td>
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<td>PRE-K DEVELOPMENT REVIEW BOARD (DRB) 6/5 (File PH 5/9)</td>
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<td>BOARD AWARD OF CONTRACT 6/12 &amp; 7/10</td>
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<td>OWNER (HAZ. MAT.) ABATEMENT ASSESSMENT &amp; REVIEW</td>
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<td>HAZ MAT. ASSESSMENT - BID - WORK</td>
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<td>CONSTRUCTION PERIOD - EEE (267/SMITH)</td>
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<td>CONSTRUCTION PERIOD - EDMUNDS</td>
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NORTH END EARLY ED PROGRAM
Smith Elementary School

❖ Satellite Pre K Program
❖ Connected to Smith Elementary School
❖ Energy Efficient Construction
  ➢ LED Lighting
  ➢ Heat Recovery Ventilation
  ➢ Air Conditioning
  ➢ Triple Glazed Windows
  ➢ Well Insulated Building Envelope
NORTH END EARLY ED PROGRAM
ENHANCEMENTS

❖ Five Classrooms
➢ Natural Lighting
➢ Teacher Offices
➢ Age Appropriate Accessibility
❖ Motor Room
❖ Support Spaces
❖ 1:1 Spaces
❖ Staff Room
❖ Satellite Kitchen

FIRST FLOOR PLAN
NORTH END EARLY ED PROGRAM ENHANCEMENTS

- Vehicle Circulation Improvements
- Adequate Parking for Pre-K Parent drop-off
- Pedestrian/Bike Circulation
  - Improved Sidewalk/Crosswalk Safety
- Preservation of Mature Shade Trees & Orchard
SOUTH END EARLY ED CENTER
287 Shelburne Road

- Early Ed Center
- Stand Alone/Self Sufficient 2 Story Building
- Pre K on Ground Level
- Energy Efficient Construction
  - LED Lighting
  - Heat Recovery Ventilation
  - Air Conditioning
  - Triple Glazed Windows
  - Well Insulated Building Envelope
- Sustainable Architecture
  - Recycled Materials
- Latest in Building Technology
- Access Controls/Surveillance
SOUTH END EARLY ED CENTER
PROJECT ENHANCEMENTS

❖ Five Classrooms
❖ Motor Room
❖ 1:1 Spaces
❖ Staff Room
❖ Full Service Kitchen
❖ Conference Rooms
❖ Storage Space
❖ Nurse & Shower
❖ Support Spaces
  ➢ Occupational/Physical Therapy
  ➢ Intervention
  ➢ Mental Health Services
  ➢ Speech/Language Pathology
SECOND FLOOR
CENTRAL OFFICE ADMINISTRATION

- Moving central office functions allows 150 Colchester Ave to become temporary classroom space that will be needed during subsequent projects
  - Temporary classroom space options are limited and expensive
- Cost to build is cheaper than leasing in long run
  - BSD engaged a realtor for an analysis of lease space options
  - Leasing was as costly as new construction without the long term benefit
  - Parking costs approached $100/employee/month at some locations
- Addresses current central office staff space constraints
- Space for training room / board meeting room
- Improved Safety & Accessibility
- Best use of District Resources
Vehicle Circulation

➢ Adequate Parking for Pre-K Parent Drop-off
➢ New Safe and Secure Champlain Student Drop-off
  ■ Addressing Congestion Issues on Pine Street

Pedestrian/Bike Circulation

➢ Provides Access from Shelburne Road
➢ Improved Sidewalk/Crosswalk Safety
EDMUNDS CAMPUS IMPROVEMENTS

❖ Space Utilization
➢ New Dedicated Cafeteria Space

❖ Building Capital Improvements
➢ Heat Recovery Ventilation/Air Conditioning
➢ Efficient New Windows
➢ LED Lighting
➢ New Interior Finishes
➢ New Kitchen
➢ New Gym Floor
➢ Lower Level A-C Link Enclosure
EDMUNDS CAMPUS

IMPROVEMENTS

❖ ADA Accessibility
➢ Improved Circulation
➢ New Restrooms
➢ New Elevator

❖ Security & Life Safety
➢ Secure Single Entry
➢ Monitored Access
➢ Upgraded Fire Alarm
➢ Increased Campus Sprinkler Protection
Renovation of the EMS traditional library to a new student activity makerspace

Grant funding was awarded to purchase makerspace equipment
EDMUNDS CAMPUS
IMPROVEMENTS

❖ Safety
  ➢ Addressing Snowdrop Hazard
❖ Vehicle Circulation
  ➢ Student Drop Off
  ➢ BSD Busing
  ➢ GMT
❖ Pedestrian/Bike Circulation
<table>
<thead>
<tr>
<th>School</th>
<th>Project Scope</th>
<th>Estimated Start</th>
<th>Timeline</th>
<th>Estimated Project Cost</th>
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<tbody>
<tr>
<td>BDS Property Services Property (287 Shelburne Rd.)</td>
<td>South End Early Ed Center</td>
<td>August 2018</td>
<td>12-14 Month Construction Period (2 summers &amp; 1 academic year)</td>
<td>$ 2.75 - 3.0 mil</td>
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<tr>
<td>Champlain Elementary School</td>
<td>Student Drop Off Lane</td>
<td>August 2018</td>
<td>12-14 Months</td>
<td>$ 1 mil</td>
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<tr>
<td>Preschool Center Second Floor</td>
<td>Fit Up Second Story for Central Office Staff</td>
<td>August 2018</td>
<td>12-14 Months</td>
<td>$ 2.25 mil</td>
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<tr>
<td>Smith School Property (332 Ethan Allen Parkway)</td>
<td>North End Early Ed Satellite Program</td>
<td>August 2018</td>
<td>12-14 Month Construction Period (2 summers &amp; 1 academic year)</td>
<td>$ 2.25 - 2.5 mil</td>
</tr>
<tr>
<td>Edmunds Elementary &amp; Middle School</td>
<td>&quot;C&quot; Building Basement Cafeteria &amp; Kitchen</td>
<td>Phase 1 June 2018</td>
<td>4-6 Months</td>
<td>$ 3.75 - $4.25 mil</td>
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<td>ADA Secure Central Entrance &amp; Student Drop Off Lane</td>
<td>Phase II June 2019</td>
<td>Summer Vacation</td>
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<tr>
<td>Hunt Middle School</td>
<td>Lockers</td>
<td>August 2018</td>
<td>Summer Vacation</td>
<td>$ 80k</td>
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<td>Hunt Middle School</td>
<td>Paving</td>
<td>July 2018</td>
<td>Summer Vacation</td>
<td>$ TBD</td>
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<td>SA</td>
<td>Playground Equipment</td>
<td>August 2018</td>
<td>Summer Vacation</td>
<td>$ 90k</td>
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<td>BHS/BTC</td>
<td>Elevator</td>
<td>July 2018</td>
<td>Summer Vacation</td>
<td>$ TBD</td>
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ANTICIPATED BOARD ACTION TIMELINE

❖ May Board Meeting
➢ Hunt Locker Bid

❖ June Board Meeting
➢ Edmunds Construction Bids
➢ SA Playground Bids
➢ BHS Elevator Bids
➢ Hunt Paving Bids

❖ July Board Meeting
➢ Early Ed Programs Construction Bids
Cultivating caring, creative, and courageous people. Join the journey!