PURPOSE
THE GOAL OF THIS PROGRAM IS FOR COMMUNITY MEMBERS TO:

REVIEW THE PROGRESS OF THE PROJECT SINCE THE REFERENDUM PASSED

SHARE FEEDBACK WITH MEMBERS OF THE BOARD, DESIGN TEAM, & DISTRICT ADMINISTRATION.
<table>
<thead>
<tr>
<th>AGENDA</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRESENTATION</strong></td>
<td>6:00 – 6:30 PM</td>
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<tr>
<td><strong>SESSION ONE</strong></td>
<td>6:40 – 7:10 PM</td>
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<tr>
<td><strong>SESSION TWO</strong></td>
<td>7:15 – 7:45 PM</td>
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<tr>
<td><strong>SESSION THREE</strong></td>
<td>7:50 – 8:20 PM</td>
<td>&quot;OPEN SESSIONS UNTIL 9:00 PM&quot;</td>
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<tr>
<td><strong>OPTIONAL:</strong></td>
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<tr>
<td><strong>PUBLIC COMMENT</strong></td>
<td>8:30 PM</td>
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</tbody>
</table>
01 SITE
02 PROGRAM
03 BUILDING DESIGN
04 ENGINEERING
05 SCHEDULE
06 PHASING
07 COST
08 LEED
TO DATE

01 ZONING VARIANCES (PARKING RELATED)
HEARING SCHEDULED OCTOBER 28TH

02 TEXT AMENDMENT (BUILDING HEIGHT)
ZONING TEXT AMENDMENT REQUEST
PUBLIC HEARING DECEMBER 1ST

03 TRAFFIC IMPACT STUDY
IN PROCESS (DATA COLLECTION IN SEPTEMBER AND CURRENT)

UPCOMING

04 PRELIMINARY LAND DEVELOPMENT
PLANS WITH CONDITIONAL USE FOR PARKING REDUCTION
TENTATIVE SUBMISSION NOVEMBER 10TH
EXTENT OF 4 STORY BUILDING

ADMINISTRATION OFFICES ARE LOCATED ADJACENT THE MAIN ENTRANCE FOR EASE OF MONITORING VISITORS AND SECURE ACCESS INTO THE BUILDING.

VIEWS/ DAYLIGHTING AT ADMINISTRATION OFFICES

MAIN ENTRANCE

VIEW FROM WESTERLY PARKWAY

TEXT AMENDMENTS (ZONING)
<p>| | |</p>
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>01</strong></td>
<td>SITE</td>
</tr>
<tr>
<td><strong>02</strong></td>
<td>PROGRAM</td>
</tr>
<tr>
<td><strong>03</strong></td>
<td>BUILDING DESIGN</td>
</tr>
<tr>
<td><strong>04</strong></td>
<td>ENGINEERING</td>
</tr>
<tr>
<td><strong>05</strong></td>
<td>SCHEDULE</td>
</tr>
<tr>
<td><strong>06</strong></td>
<td>PHASING</td>
</tr>
<tr>
<td><strong>07</strong></td>
<td>COST</td>
</tr>
<tr>
<td><strong>08</strong></td>
<td>LEED</td>
</tr>
</tbody>
</table>
NOTE: THE BUILDING AND EDUCATIONAL MODEL FROM THE REFERENDUM HAS CONTINUED TO EVOLVE, NOW INCORPORATING FURTHER INPUT FROM SCASD STAFF ALONG WITH ENGINEERS, CONSTRUCTION MANAGERS, FOOD SERVICE PERSONNEL, CODE OFFICIALS, EMERGENCY SERVICES AND SPECIALTY CONSULTANTS.
**PROGRAM CONFORMANCE**

**NOTE:** IMPLEMENTED EDUCATIONAL PROGRAM IS WITHIN 8% OF FINAL EDUCATIONAL SPECIFICATIONS AND OVERALL BUILDING SQUARE FOOTAGE IS WITHIN 2% OF REFERENDUM DESIGN.
**PROGRAM CONFORMANCE**

**ACTUAL LOCATION**

---

**NOTE:** EDUCATIONAL SPECIFICATIONS HAVE BEEN INCORPORATED INTO THE BUILDING DESIGN. AS DESIGN TEAM CONTINUES TO MEET WITH ADMINISTRATION, FACULTY AND STAFF THROUGH 60% PROCESS OVER NEXT 3-4 MONTHS, FINAL PROGRAM AND DESIGN WILL BE COMPLETED.
01 SITE
02 PROGRAM
03 BUILDING DESIGN
04 ENGINEERING
05 SCHEDULE
06 PHASING
07 COST
08 LEED
SOUTH – ADDITION VS RENOVATION
Legend

- Admin
- Art
- Auditorium
- Cafeteria
- Classroom
- Corridor
- Library
- Science
- SGI

SOUTH – FIRST FLOOR
Legend
- Admin
- Classroom
- Corridor
- Science
- SGI
- Utility

SOUTH – THIRD FLOOR
01 SITE
02 PROGRAM
03 BUILDING DESIGN
04 ENGINEERING
05 SCHEDULE
06 PHASING
07 COST
08 LEED
SYSTEM RECOMMENDED

01 4 – PIPE ROOF-MOUNTED AHU
WITH ENERGY RECOVERY & HYDRONIC REHEAT IN VAV BOXES
CHILLER WATER COOLING

02 WATER SOURCE HEAT PUMPS
WITH CLOSED CIRCUIT & GAS-FIRED BOILER
DEDICATED OUTDOOR AIR SYSTEM (DOAS)
WITH ENERGY RECOVERY

03 4 – PIPE CHILLED BEAMS
DOAS WITH ENERGY RECOVERY

04 4-PIPE SYSTEM WITH ROOF MOUNTED AIR HANDLING UNITS
WITH DISPLACEMENT VENTILATION
THERMAL “ICE” STORAGE TO REDUCE SIZE OF CHILLER EQUIPMENT
<table>
<thead>
<tr>
<th></th>
<th>SYSTEM RECOMMENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>4 – PIPE ROOF-MOUNTED AHU WITH ENERGY RECOVERY &amp; HYDRONIC REHEAT IN VAV BOXES</td>
</tr>
<tr>
<td></td>
<td>CHILLER WATER COOLING</td>
</tr>
<tr>
<td>02</td>
<td>WATER SOURCE HEAT PUMPS WITH CLOSED CIRCUIT &amp; GAS-FIRED BOILER</td>
</tr>
<tr>
<td></td>
<td>DEDICATED OUTDOOR AIR SYSTEM (DOAS) WITH ENERGY RECOVERY</td>
</tr>
<tr>
<td>03</td>
<td>4 – PIPE CHILLED BEAMS DOAS WITH ENERGY RECOVERY</td>
</tr>
<tr>
<td>04</td>
<td>4-PIPE SYSTEM WITH ROOF MOUNTED AIR HANDLING UNITS</td>
</tr>
<tr>
<td></td>
<td>WITH DISPLACEMENT VENTILATION THERMAL “ICE” STORAGE TO REDUCE SIZE OF CHILLER EQUIPMENT</td>
</tr>
</tbody>
</table>
WHY WATER SOURCE HEAT PUMPS

01 LOWEST FIRST COST OF ALL OPTIONS

02 “EASY” ACCESS TO MAINTAIN EQUIPMENT

03 ONE UNIT PER THERMAL ZONE

ONE UNIT PER CLASSROOM WILL GROUP SIMILAR OCCUPANCIES TOGETHER
LARGER ROOF-MOUNTED UNITS FOR LARGE OCCUPANCY AREAS

04 DOAS W/ ENERGY RECOVERY WHEELS

CO₂ CONTROL

05 BASE-MOUNTED PUMPS FOR WATER CIRCULATION
# SYSTEMS SORTED BY CONSTRUCTION COST (LOWEST TO HIGHEST)

<table>
<thead>
<tr>
<th>System type</th>
<th>Construction cost</th>
<th>Utility cost (Year 1)</th>
<th>Maintenance cost (Year 1)</th>
<th>Life cycle cost (20 Year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water source heat pump system</td>
<td>$13,860,000</td>
<td>$381,846</td>
<td>$247,500</td>
<td>$34,077,157</td>
</tr>
<tr>
<td>4-Pipe Rooftop VAV System</td>
<td>$14,850,000</td>
<td>$395,195</td>
<td>$247,500</td>
<td>$35,578,863</td>
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<tr>
<td>4-Pipe Rooftop VAV System with DV</td>
<td>$14,850,000</td>
<td>$328,929</td>
<td>$257,499</td>
<td>$33,658,423</td>
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<tr>
<td>Four-pipe chilled beam system</td>
<td>$17,325,000</td>
<td>$292,785</td>
<td>$217,800</td>
<td>$35,696,123</td>
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</tbody>
</table>

# SYSTEMS SORTED BY LIFE CYCLE (LOWEST TO HIGHEST)

<table>
<thead>
<tr>
<th>System type</th>
<th>Construction cost</th>
<th>Utility cost (Year 1)</th>
<th>Maintenance cost (Year 1)</th>
<th>Life cycle cost (20 Year)</th>
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</thead>
<tbody>
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<td>$13,860,000</td>
<td>$381,846</td>
<td>$247,500</td>
<td>$34,077,157</td>
</tr>
<tr>
<td>4-Pipe Rooftop VAV System</td>
<td>$14,850,000</td>
<td>$425,504</td>
<td>$333,102</td>
<td>$33,658,423</td>
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<tr>
<td>4-Pipe Rooftop VAV System with DV</td>
<td>$14,850,000</td>
<td>$395,195</td>
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<td>$17,325,000</td>
<td>$292,785</td>
<td>$217,800</td>
<td>$35,696,123</td>
</tr>
</tbody>
</table>

1. The utility costs are calculated using eQuest.
2. Utility cost based on 12 month average from existing high school buildings.
3. Assumptions: 3% interest rate, 2% escalation on utility costs.
4. Does not include associated general construction costs (ie heat pump closets)
5. Final building footprint will affect costs.
6. Conductivity testing data may make geothermal heat pumps a viable option.
7. $$ listed is not meant to be a specific dollar amount, but meant to establish a range and ranking of systems. These numbers will change as design progresses.
DESIGN INTENT

01 ALL NEW PLUMBING FIXTURES
VITREOUS CHINA FIXTURES IN BATHROOMS
S/S SINKS IN VARIOUS AREAS
MANUAL FLUSH VALVES ON WATER CLOSETS
URINALS (LOW FLOW VS WATERLESS)
BATTERY OPERATED SENSOR FAUCETS
SOLIDS INTERCEPTORS IN ART SINKS
BI-LEVEL WATER COOLERS

02 ALL NEW PIPING
DOMESTIC, WASTE, VENT, GAS, ETC.

03 GAS-FIRED HOT WATER GENERATOR
HIGH EFFICIENCY STORAGE TYPE
DISTRIBUTE 140°F WATER
MIXED DOWN AT POINT OF USE

04 FULLY SPRINKLERED BUILDING
STANDPIPE SYSTEM IN 2 PODS
FIRE PUMP REQUIRED
DESIGN INTENT

05  ACID NEUTRALIZATION SYSTEM
OUTDOOR CONCRETE VAULT TYPE

06  LIMITED RAINWATER HARVESTING SYSTEM
10,000 GALLON STORAGE TANK
GREY-WATER USE FOR PLUMBING FIXTURES OR HVAC
MAKEUP WATER
SKID-MOUNTED PROCESSING EQUIPMENT
DESIGN INTENT

01 NEW ELECTRICAL SERVICES
02 NEW POWER DISTRIBUTION
03 LED LIGHTING INTERIOR
04 DIGITAL LIGHTING MANAGEMENT SYSTEM
05 EMERGENCY GENERATOR SETS
06 DATA CENTER RELOCATION
07 TYPICAL CLASSROOM SYSTEMS LAYOUT
08 BUILDING SYSTEMS
09 FIRE ALARM SYSTEM
10 SECURITY & ACCESS CONTROL SYSTEMS
NEW ELECTRICAL SERVICES

NORTH BUILDING
EXISTING SERVICE TO REMAIN UNLESS OPTION 2 IS SELECTED
NEW 480/277V, 3-PHASE, 4-WIRE SERVICE

SOUTH BUILDING
TWO (2) 480/277V, 3-PHASE, 4-WIRE SERVICE

NEW POWER DISTRIBUTION SERVICES

ELECTRICAL SWITCHBOARD
FOR EACH UTILITY SERVICE FEEDING THE BUILDING

NEW PANELBOARDS
FED FROM NEAREST SWITCHBOARD AND THROUGHOUT BUILDING

POWER WIRING & DISCONNECTING
PROVIDED FOR HVAC, PLUMBING, & OWNER FURNISHED EQUIPMENT
LED LIGHTING INTERIOR

01 LIGHTING TO BE LED
EXCEPTION SPECIALTY FIXTURES

02 2 x 2 RECESSED FIXTURES
FOR CLASSROOMS WITH AVERAGE
35 – 50 FOOTCANDLES OF ILLUMINATION

03 2 x 4 RECESSED FIXTURES
FOR CORRIDORS WITH AVERAGE
10 – 20 FOOTCANDLES OF ILLUMINATION

04 HIGH BAY STYLE LED FIXTURES
FOR GYMNASIUM WITH AVERAGE
75 – 100 FOOTCANDLES OF ILLUMINATION

05 DECORATIVE FIXTURES
MAY BE SELECTED FOR SPACES LIKE MAIN
ENTRY, LIBRARY AND CAFETERIA.

06 ILLUMINATING ENGINEERING
SOCIETY (IES)
RECOMMENDATIONS SHALL BE MET FOR
LIGHTING LEVELS
DIGITAL LIGHTING MANAGEMENT SYSTEM

01 FOUR-BUTTON LOW VOLTAGE WALL STATION
FOR LIGHTING CONTROLS INCLUDING: ALL ‘ON’, ALL ‘OFF’, A/V MODE, PLUG LOAD CONTROL

02 VACANCY SENSORS
TO PROVIDE AUTOMATIC ‘SHUT-OFF’
LIGHTING SHALL BE MANUAL ‘ON’, AUTO ‘OFF’

03 PHOTOSENSOR IN SELECT ROOMS
FOR DAYLIGHT HARVESTING

04 INTEGRATED CONTROL SETBACK OF HVAC
IN EACH SPACE WHEN ROOM IS UNOCCUPIED

05 INTEGRATED PLUG LOAD REDUCTION
DESIGNED TO SHUT OFF POWER TO SPECIFIC RECEPTACLES IN CLASSROOMS AND OFFICES WHEN SPACE IS UNOCCUPIED.
BUILDING SYSTEMS

VOICE OVER INTERNET PROTOCOL (VOIP)
A NEW VOIP SYSTEM WILL BE PROVIDED BASED UPON THE SCHOOL DISTRICT’S CURRENT DISTRICT WIDE SYSTEM.

THE PHONE SYSTEM SHALL BE INTEGRATED WITH THE INTERCOM SYSTEM ALLOWING FOR INTERCOM ACCESS VIA ANY PROGRAMMED WALL OR DESK STATION.

INTERCOM SYSTEM
SHALL BE DESIGNED WITH THE ABILITY TO MAKE PROGRAM CHANGES VIA A NETWORK WEB PORTAL.

ALL OCCUPIED SPACES SHALL HAVE AN INTERCOM SPEAKER.

REMOTE SOUND SYSTEM
SHALL BE PROVIDED FOR GYMNASIUM, AUDITORIUM AND CAFETERIA.

CLOCK AND PROGRAM SYSTEM
SHALL BE WIRELESS CORRECTED ANALOG CLOCKS WITH HARDWIRED POWER.

DATA SYSTEM
COMPUTER DATA CABLING SHALL BE CATEGORY 6 RATED.
THE ENTIRE BUILDING SHALL BE PROVIDED WITH WIRELESS ACCESS POINT CONNECTIONS USING CATEGORY 6 CABLING.
FIRE ALARM SYSTEM

THE FIRE ALARM SYSTEM WILL BE A DIGITAL ADDRESSABLE SYSTEM.

VISUAL/AUDIBLE AND VISUAL NOTIFICATION DEVICES SHALL BE PROVIDED AS REQUIRED BY CODE.

SMOKE DETECTION SHALL BE PROVIDED AT ALL FIRE ALARM PANELS, STORAGE ROOMS, FIRE DOORS, DOOR OPENS, ELEVATORS, ETC., AS REQUIRED BY CODE.

CARBON MONOXIDE DETECTORS SHALL BE PROVIDED AT ALL ROOMS WITH A NATURAL GAS CONNECTION.

SECURITY + ACCESS CONTROL SYSTEMS

ACCESS CONTROL SYSTEM WILL BE BASED UPON THE DISTRICT WIDE SYSTEM.

ACCESS CONTROL CARD READERS WILL BE LOCATED AT AREAS AS DIRECTED BY THE SCHOOL DISTRICT.

SECURITY SYSTEM SHALL HAVE PANIC BUTTONS LOCATED IN THE MAIN OFFICE FOR EMERGENCY SITUATIONS.

INTERNET PROTOCOL CLOSED CIRCUIT TELEVISION (IP CCTV) COVER SHALL BE THROUGHOUT ALL GENERAL AREAS OF THE BUILDING.
01  SITE
02  PROGRAM
03  BUILDING DESIGN
04  ENGINEERING
05  SCHEDULE
06  PHASING
07  COST
08  LEED
# Design Schedule - State College Area High School

## Crabtree, Rohrbaugh & Associates Architects

**Date:** 9-Oct-14

**State College Area School District**

### Schedule Overview

<table>
<thead>
<tr>
<th>Phase</th>
<th>2014</th>
<th>2015</th>
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</thead>
<tbody>
<tr>
<td><strong>Building Design</strong></td>
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<tr>
<td>Schematic Design</td>
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<td>Design Development</td>
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<td>Construction Documents</td>
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<tr>
<td>30% Document Review Review</td>
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<tr>
<td>60% Document Review Review</td>
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<td>90% Document Review Review</td>
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<td>Faculty Interviews</td>
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<tr>
<td>Preliminary Meetings</td>
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<tr>
<td>Final Reviews &amp; Sign-Off</td>
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<td>Code Analysis Preliminary</td>
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<tr>
<td>Update</td>
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<tr>
<td>Final Submission</td>
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<tr>
<td>Bidding</td>
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<tr>
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<td>Part A&amp;B</td>
<td>Part E</td>
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<tr>
<td>Surveys, Building, Site &amp; Geotechnical</td>
<td>Part D</td>
<td>Part F</td>
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<tr>
<td>Land Development Design &amp; Preparation</td>
<td>Prelim LD Submission</td>
<td>Final LD Submission</td>
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<td>NPDES Conservation District Design &amp; Preparation</td>
<td>NPDES Submission</td>
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<td>School Board Meetings &amp; Review</td>
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<tr>
<td>Drawings available for Public</td>
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<tr>
<td>Construction</td>
<td></td>
<td>36-37 months</td>
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</tbody>
</table>

**Notes:**
- Drawings available for public construction.
- Duration: 36-37 months.
01 SITE
02 PROGRAM
03 BUILDING DESIGN
04 ENGINEERING
05 SCHEDULE
06 PHASING
07 COST
08 LEED
CONSIDERATIONS

01 STUDENT PEDESTRIAN SAFETY

02 CONTROLLED WORK AREA SAFETY ZONES
   FOR NORTH SITE & SOUTH SITE

03 TEMPORARY ON-SITE PARKING
   STUDENTS, STAFF, & DROP-OFFS

04 SCHOOL CALENDAR
   MAXIMUM SUMMER UTILIZATION

05 TEMPORARY BAND PRACTICE AREAS

06 TEMPORARY POOL PARKING

07 BUS ACCESS + QUEUING & STUDENT ENTRY POINTS
CONSIDERATIONS

07  OFF-SITE PARKING ANALYSIS
     NOT RECOMMENDED

08  LOSS/ REPLACEMENT OF PROGRAMMING
     WITH DEMO & NEW CONSTRUCTION

09  FOOD SERVICE AREAS
     INCLUDING EATERY, KITCHEN REPLACEMENT
     & RELOCATION OF DISTRICT-WIDE KITCHEN

10  CONTRACTOR’S AREAS
     FIELD OFFICE & STAGING AREAS

11  COMPLETION OF SOUTH BUILDING
     WHILE NORTH IS BEING COMPLETED
**JUNE 2015 – AUGUST 2015**

**Legend**
- Existing Buildings
- Buildings to be Demolished
- New Construction
- Renovation
- Construction Trailer and Site Laydown Area
- Site Fence / Limit of Construction
- Additional Parking Locations for Consideration
- Pool Parking

**Key Changes**
- South Building Parking Lots Prepped for Construction
  - Parking Spaces Lost: 35 Spaces
- Temporary Parking Lots Constructed
  - Parking Spaces Provided: 75 Spaces
- Permanent Parking Lot Constructed
  - Parking Spaces Added: 197 Spaces
- Partial Demolition of South Building
  - Program Space Lost: \( \text{XX Classrooms} \)
- Partial Renovation of Cafeteria Seating Area
  - Program Space Lost: 0 (Completed prior to school year)
- Bus Loop Established
PHASE 1.2

SEPTEMBER 2015 – JANUARY 2017

Legend
- Existing Buildings
- Demolished Buildings
- New Construction
- Renovation
- Construction Trailer and Site Laydown Area
- Site Fence / Limit of Construction
- Temporary Parking Lots
- Dedicated Student Pathway
- School Bus Queue

Key Changes
- South Building Parking Lot Demolished
  - Parking Spaces Lost: 290 Spaces
- Temporary Parking Lots Constructed
  - Parking Spaces Provided: 50 Spaces
- Permanent Parking Lost Constructed
  - Spaces Added (Ph 1.1): 197 Spaces
  - Spaces Added (Ph 1.2): 29 Spaces
  - 52 Spaces Add'l for Pool
- Partial Demo / Reno of South Building
  - Program Space Lost: XX Classrooms
- Relocation of Band Practice Area
- Renovation of Kitchen (Jan 2016 - Aug 2016)
### JANUARY 2017 – MAY 2017

#### Legend
- **Existing Buildings**
- **Demolished Buildings**
- **New Construction**
- **Renovation**
- **Construction Trailer and Site Laydown Area**
- **Site Fence / Limit of Construction**
- **Temporary Parking Lots**
- **Dedicated Student Pathway**
- **School Bus Queue**

#### Key Changes
- **Temporary Parking Lots**
  - Spaces Added (Ph 1) - 50 Spaces
  - Spaces Removed (Ph 2) - 50 Spaces
- **Permanent Parking Lots Constructed**
  - Spaces Added (Ph 1) - 226 Spaces
  - Spaces Added (Ph 2) - 52 Spaces Add’l for Pool
- **Remaining Demo / Reno of South Building**
  - Program Space Lost (Ph 1) - XX Classrooms
  - Program Space Lost (Ph 2) - XX Classrooms
- **Construction Started on Remaining South Bldg**
- **Renovation of Existing South Building**
- **West Wings Occupied by Students (Jan 2017)**
  - Program Space Added - XX Classrooms
- **East Wings Occupied by Students (Sept 2017)**
  - Program Space Added - XX Classrooms
**Legend**
- Existing Buildings
- Demolition
- New Construction
- Renovation
- Construction Trailer and Site Laydown Area
- Site Fence / Limit of Construction
- Temporary Parking Lots
- Pool Parking

**Key Changes**
- South Building Parking Lot Demolished
  - Spaces Lost (Ph 1) - 290 Spaces
- Permanent Parking Lots Constructed
  - Spaces Added (Ph 1) - 226 Spaces
  - 52 Spaces Add'l for Pool
  - Spaces Added (Ph 2.2) - 88 Spaces
  - 20 Spaces for Bus Queue
- Remaining Renovation of South Building
  - Program Space Lost (Ph 1) - XX Classrooms
  - Program Space Lost (Ph 2) - XX Classrooms
- South Bldg Wings Completed & Occupiable by Students
  - Program Space Added - XX Classrooms
- Continued Construction of South Building
- Busway Constructed
PHASE 3.1

SEPTEMBER 2017 – MAY 2018

Legend
- Existing Buildings
- Demolished Buildings
- New Construction
- Renovation
- Construction Trailer and Site Laydown Area
- Site Fence / Limit of Construction
- Dedicated Student Pathway

Key Changes
- Permanent Parking Lots Constructed
  - Spaces Added (Ph 1) - 226 Spaces
  - Spaces Added (Ph 2) - 52 Spaces Add'l for Pool
  - Spaces Added (Ph 2) - 88 Spaces
  - Spaces for Bus Queue - 20 Spaces
- Demolition of North Building
  - Program Space Lost (Ph 3) - XX Classrooms
- Renovation of North Building
  - Program Space Lost (Ph 3) - XX Classrooms
- South Building Completed
  - Program Space Total - XX Classrooms
- Construction of Delta Program
JUNE 2018 – JULY 2018

Legend
- Existing Buildings
- Demolished Buildings
- New Construction
- Renovation
- Construction Trailer and Site Laydown Area
- Site Fence / Limit of Construction
- Temporary Parking Lots
- Dedicated Student Pathway
- School Bus Queue

Key Changes
- North and South Buildings Complete
- Sitework and North Parking Lot Constructed
- Construction Trailers Demobilized
- All Construction Completed
01  SITE
02  PROGRAM
03  BUILDING DESIGN
04  ENGINEERING
05  SCHEDULE
06  PHASING
07  COST
08  LEED
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SEPTEMBER 26, 2014</td>
<td>30% DRAWINGS TO MASSARO</td>
</tr>
<tr>
<td>SEPTEMBER 30, 2014</td>
<td>CRA/SCASD/MCMS MET TO DISCUSS 30%</td>
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<tr>
<td>OCTOBER, 2014</td>
<td>CRA + MCMS INDEPENDENT COST ESTIMATES</td>
</tr>
<tr>
<td>LATE OCTOBER, 2014</td>
<td>ANALYSIS OF COST ESTIMATES “BELT &amp; SUSPENDERS” APPROACH</td>
</tr>
<tr>
<td>LATE OCTOBER, 2014</td>
<td>COST ESTIMATE REVIEWED BY SCASD</td>
</tr>
<tr>
<td>NOVEMBER 3, 2014</td>
<td>COST ESTIMATE PRESENTED TO BOARD</td>
</tr>
<tr>
<td>NOVEMBER 10, 2014</td>
<td>COST ESTIMATE TENTATIVELY APPROVED</td>
</tr>
</tbody>
</table>
PRELIMINARY ALTERNATES
LIST WILL EVOLVE AS WE PROCEED TO
60% & 90% SUBMISSIONS

01 VEGETATED ROOF AT SOUTH BUILDING
02 SOLAR ARRAY AT SOUTH BUILDING
03 TERRAZZO IN CORRIDORS
04 UNCLASSIFIED SOILS
05 ROOFING
<table>
<thead>
<tr>
<th></th>
<th>Project Type</th>
<th>Secondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Current Enrollment</td>
<td>2,387</td>
</tr>
<tr>
<td>3</td>
<td>Current Enrollment + 10%</td>
<td>2,626</td>
</tr>
<tr>
<td>4</td>
<td>PDE Highest Projected Enrollment (PDE 7/2011)</td>
<td>2,413</td>
</tr>
<tr>
<td>5</td>
<td>Highest Projected Enrollment for Calculation</td>
<td>2,626</td>
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<tr>
<td>6</td>
<td>Planned Special Education Rooms</td>
<td>5</td>
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<tr>
<td>7</td>
<td>Planned Special Education Capacity</td>
<td>125</td>
</tr>
<tr>
<td>8</td>
<td>Reimbursement Capacity Basis</td>
<td>2751</td>
</tr>
<tr>
<td>9</td>
<td>Rated Pupil Capacity</td>
<td>2751</td>
</tr>
<tr>
<td></td>
<td>Capacity RPC factor</td>
<td>1.11</td>
</tr>
<tr>
<td></td>
<td>Legislated Per Pupil Reimbursement Allowance</td>
<td>$6,200</td>
</tr>
<tr>
<td>10</td>
<td>CTC FTE</td>
<td>462</td>
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<tr>
<td>11</td>
<td>Legislated Per Pupil Reimbursement Allowance</td>
<td>$7,600</td>
</tr>
<tr>
<td>12</td>
<td>Maximum Eligible Reimbursement Basis</td>
<td>$18,930,317</td>
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<tr>
<td></td>
<td>High School Gross</td>
<td>$3,511,200</td>
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<td></td>
<td>ctc Gross Gross</td>
<td>$22,441,517</td>
</tr>
<tr>
<td>13</td>
<td>District MVAR or CARF</td>
<td>0.2891</td>
</tr>
<tr>
<td>14</td>
<td>Existing Building Renovation- 10% Increase</td>
<td>$648,784</td>
</tr>
<tr>
<td>15</td>
<td>Sustainable Design (LEED)- 10% Increase</td>
<td>$648,784</td>
</tr>
<tr>
<td>16</td>
<td>Estimated NET Reimbursement *</td>
<td>$5,500,000-$6,500,000</td>
</tr>
</tbody>
</table>

* This approximate estimate will change depending on final project scope and costs, validated by 60% Submission.
01 SITE
02 PROGRAM
03 BUILDING DESIGN
04 ENGINEERING
05 SCHEDULE
06 PHASING
07 COST
08 LEED
NOTE: LEED CERTIFICATION MAY BE AFFECTED BY PEDA & DCED GRANTS WHICH WILL BE AWARDED IN THE NEXT MONTH. DESIGN TEAM HAS FULLY INTEGRATED LEED CERTIFICATION PROCESS INTO DESIGN AT THIS TIME INCLUDING INITIAL SPECIFICATIONS COMPLETED FOR THE 30% CERTIFICATION.
INTRODUCTION OF BREAK-OUT SESSION LEADERS
STATE COLLEGE AREA
HIGH SCHOOL

30% SUBMISSION

NEXT UPDATES

60% SUBMISSION  FEBRUARY 2015
90% SUBMISSION  SPRING 2015
MORE INFORMATION AT:

http://www.scasd.org/Page/20967