**SCHOOL BUILDING COMMITTEE**
**MEETING MINUTES**

DORE + WHITTIER

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| Project: | Tri-County Vocational High School | Project No: | MP20-28 |
| Subject: | School Building Committee Meeting No. 24 | Meeting Date: | 05/04/2023 |
| Location: | Zoom | Time: | 4:00 PM |
| Distribution: | Attendees, Project File | Prepared By: | E. Grijalva |

| Present | Name | Affiliation |
|---|---|---|
| x | Brian Mushnick* | SBC Chair |
| x | Karen Maguire* | Superintendent |
| x | Dan Haynes* | Business Admin. |
| x | Michael Procaccini* | Principal |
| x | Jonathon Dowse* | SBC Member |
| x | Brendan Bowen* | SBC Member |
| x | Jane Hardin* | SBC Member |
| x | Bob Foley* | Adult Ed. Dir |
| x | Sherri Minch | Public |
| x | Trip Elmore | DWMP |
| x | Christina Dell Angelo | DWMP |
| x | Rachel Rincon | DWMP |
| x | Elias Grijalva | DWMP |
| x | Carl Franceschi | DRA |
| x | Vladimir Lyubetsky | DRA |
| x | Mike DiBari | DRA Sub-Consultants |
| x | Aaron DiBari | DRA Sub-Consultants |
| x | Kristy Lyons | Consigli |
| x | Jennifer Savoie | Consigli |
| x | Will Feraco | Consigli |
| x | Steve Johnson | Consigli |
| x | Tim Ericson | Consigli |

| Item No. | Description | Action |
|---|---|---|
| 24.1 | **Call to order:** 4:05 PM meeting was called to order by SBC Chair B. Mushnick with 7 of 11 voting members in attendance. | Record |
| 24.2 | **Previous Topics & Approval of April 20th, of 2023, Meeting Minutes:**<br>A motion to approve the April 20th, 2023, meeting minutes as submitted was made by J. Dowse and seconded by B. Bowen.<br><br>**Discussion:**<br><br>**B. Bowen** points out a spelling error in the previous minutes, section 23.5 Design Update under W. Mattson's summary it should state "well" not "wealth".<br><br>**C.Del Angelo** acknowledges and confirms it will be changed before posting it on the website.<br><br>**Roll Call Vote:** K. Maguire (Y), J. Hardin(Y), B. Mushnick (Y), D. Haynes (Y), B. Bowen (Y), B. Foley (Y),<br>**Abstentions:** None<br>Motion passes, to approve April 20th, 2023, meeting minutes with changes. | Record |
| 24.3 | **CM Introduction**<br><br>**K. Lyon** introduces the Consigli team, and each team member briefly describes their job title and responsibilities for the project.<br><br>1. Kristy Lyons – Senior Pre-Construction Manager<br>a. Planning, management, and implantation of all activities and execution procedures during the preconstruction phase of the project.<br><br>2. Tim Ericson – Chief Estimator<br>a. Oversees the full estimate process.<br><br>3. Steve Johnson – Senior Project Manager<br>a. Oversees management staff – Point of Contact for an owner and architect<br><br>4. Will Feraco – Lead Superintendent<br>a. Project Specific safety and quality Control- scheduling and managing performance of subcontractors.<br><br>5. Jennifer Savoie – Senior Purchaser | Record |

a. Procurement Process

**Discussion:** None

24.4 **Design Update**

**M. Dibari** reviews technology and security system designs for this project.

## 1. Base Construction Contract Phase will include:

Communication Cabling & Communication System Equipment

- Tel/Data Cabling System
  - Cat e horizontal data cabling, line cords, and patch cables
  - AV in-wall HDMI, Audio cabling, and line cords for the Classroom Interactive Flat Panels and Digital Signage Monitors to be procured in the FF&E phase.

- Video Streaming and Control System
  - Digital Signage
  - Video on Demand
  - Live Broadcasting

- Classroom Sound Field System
  - New School Design is a wireless found field system for daily instruction and interfaced to interactive flat panels for high-quality audio.
    - The ceiling speaker system spreads the sound evenly throughout the space the space.

- Public Address System
  - Currently – the Peavy system is original to the building, the PA system will be new.
    - PA system will be interfaced with FA system for interruption of announcements during a fire alarm.
    - PA system will be interfaced with the VoIP Voice system (in FF&E) for the ability to use phones for announcements.
      - Analog speakers cost $100 per classroom.
      - IP Speaker cost between $350-500 per speaker.

- Synchronized Clock System
  - Currently- Simplex and Primex wireless systems, the school prefers a wired system.
    - Clock system master clock will be interfaced with the PA system for scheduled bell tones.

- An Integrated Electronic Security System
  - Visitor Control System – currently- aiphone JK series system

- Intrusion Detection – currently, DMP with wireless door contacts, the school prefers a wired system.
- Access Control – currently, the DMP Entre system, the school prefers an integrated system with capabilities.
- CCTV Video Surveillance – currently, Meraki cloud-based
- Panic Button/Duress Alert System – currently, a wired button for 911, the school prefers a system that would be integrated with all other security and building systems.

- Vape Detection System
  - The school is considering a vape detection system and will research and evaluate various systems.

- Gunshot Detection System
  - The school is considering a gunshot detection system and will research and evaluate various systems.

**B. Mushnick** asks what percentage of schools are using gunshot detection.

**M. DiBari** response not many. Technology is changing and it's an expensive system. We are currently doing this for another vocational school and it's in the range of $200,000 plus.

**S. Johnson** states that we installed one at Attleboro High School. It was a combination of the city doing some of the work and we provided the infrastructure.

## 2. Technology FF&E phase Typically Includes:

Technology Equipment Procurement & Instructional AV systems procurement

- VoIP Phone System
  - Current: Mitel; Final Manufacture TBD

- Data Switches
  - Current: Cisco & Meraki; like to be the same

- UPS Systems
  - Current: APC; likely to be the same

- Wireless System
  - Currently: cloud-based Meraki; likely to be the same

- Head End/ MDF Data Equipment
  - Firewall
  - Servers/storage systems

- Instructional Audio – Video Systems
  - Current: Smart boards with long throw projectors
  - Design for New School: Interactive Flat Panel Displays – trending.
    - Displays will be 86-inch and/or 75-inchInteractive Flat Panel System
    - Interactive projectors cost the same as an Interactive Flat Panel - M. DiBari
    - Rated for 50,000 plus hours.
    - Promethean Interactive panels are becoming common in schools right now – C. Del Angelo

- Client Devices
  - Laptop and Desktop Computers
    - The school is questioning including this equipment in the building project bond.
    - Equipment may not be in the project.

- Student Devices
  - Current: 1-1 Chromebook program
    - Like to be the same.
    - The school is questioning including this equipment in the building bond.
    - Equipment may not be in the project.

- Peripherals
  - Laser Printers
    - School is questioning including laser printer equipment in the building project bond.
    - Equipment may not be in the project.
    - Large format & 3D Printers

- Accessories
  - Laptop / Chromebook Charging Carts and Stations
    - Equipment not required.
    - Students take devices home

- Loose AV Equipment
  - Document cameras, Apple TV, Headsets, are not included
    - Small loose items may not be in the project.

- Possible Specialized Systems
  - Music Engineering and Production Equipment – typically included in project
  - Video Broadcasting Systems – typically included in project.

- Point of Sales Systems for
  - Cafeteria Door Service
  - Culinary Restaurant
  - Cosmetology
  - School Store
  - Auto Shops
    - Options: Use existing, expand on the existing system, or new system

Wireless Network will consist of Dual Data wireless Access Points installed in all classrooms, vocational shops, administrative suites, and common areas.

- One Access Point in instructional classrooms
- Multiple access points in vocational shops
- Multiple access points in commons areas
  - Gymnasium
  - Cafeteria
  - Media Center
  - Multipurpose Room
  - One access point in Flex (collaborative) areas
  - Shared access points in administrative suites

M. DiBari shares a few layout examples from other vocational-technical school projects.

Academic Classrooms and Vocational Classrooms-

- Ceiling PA Speaker and Sound Field, Wireless Access Point, Desk Phone, Data & AV outlets, synchronized clock, interactive Flat panel

**B. Mushnick** asks if the teachers must wear a microphone the whole time so that the speaker system works.

**M. DiBari** responds that the teacher would wear a wireless pendant mic when doing a lecture.

**C.Del Angelo** asks did we ever confirm with the teaching staff and the admin staff as far as the layout of where the access points will be for their connections in their general classrooms and or spaces.

**M. DiBari** responds often what we do for the access points is that the cabling is above the ceiling tiles and the access point is installed by the vendor. They typically will install them in the center of the room on the ceiling. Per our specifications, they're supposed to do a site survey after all the access points are installed.

**C. Del Angelo** So that's for the wireless access points but as far as the data the AV outlets, desk, phone, etc. When are we or have we met with people to determine the

room layouts?

**M. DiBari** replies with the furniture layout will be worked out with the furniture consultants, then what we do is follow the furniture drawings and place the outlets.

Vocational Shop – same tech, more of it

- Data outlets, customer entry system, access points, multiple wall phones, card readers, Multiple PA speakers, multiple clocks, CCTV cameras, vape sensor in single-use toilet bathroom, motion sensor, motion sensors on doors/windows.
    - Duress alert strobes – pulsing blue light without the strobing effect.

Multipurpose/Auditorium

- Audio System, Large projector screen, Video projector system, Speakers, PA speakers, wireless access points, CCTV cameras(security), robotic cameras (record performance) , mixing table location, wall outlets,

Head End/MDF Closet – all electrical receptacles /equipment will be on the emergency/standby generator.

IDF Wire Closet- all electrical receptacles /equipment will be on emergency/standby generator.

**T. Elmore** states I don't believe we talked about anything that was going to be proprietary. I was wondering if one of the backups was a proprietary system. The only reason why I bring it up is we're going to need the SBC vote. I think we should put it in on the next SBC meeting's agenda.

**V. Lyubetsky** if we use anything proprietary, we'll have to justify it. We'll confirm with the school.

**B. Bowen** asks a clarifying question. A vote for a proprietary system is a vote to pursue a proprietary system, correct, we still need MSBA approval.

**M. DiBari** confirms.

Vlad reviews interior space design and interior finishes.

**Lobby and Common Spaces**

- Flooring – Terrazzo - Easy to maintain, Expensive, long last material.
- Walls – Thin Porcelain Tile and Acoustic Panels

**Media Center – Learning Commons**

- Wall and Flooring – Carpet tile, Acoustical Panels, and Wood

**Corridors**

- Walls – Ceramic Tile, paint, lockers, and acoustical panels
    - Fewer lockers in corridors is becoming a trend

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| | ○ Potential 3rd floor lockers<br>• Floors – Rubber tile, Flotex, and Linoleum – less shine<br><br>**Break out / Collaboration spaces.**<br>• Costume Art Walls, Projection Walls- Variety of Seating<br><br>**Classrooms**<br>• paint on walls<br>• linoleum flooring<br><br>**Gymnasium**<br>• Floor – Wood athletic flooring<br>• Materials – Gym Pads, Bleachers, and Gym Curtain<br><br>**Cosmetology**<br>• Flooring – LVT Wood-looking material.<br><br>**B. Bowen** inquires if there are any alternatives to LVTs. Recent history has shown this material is not very eco-friendly.<br><br>**V. Lyubetsky** responds unfortunately other materials don't stand up to the chemicals as well. We're not necessarily aware of something that would be as durable and appropriate for this type of space. Now I have to say that it's only limited to two areas in this building.<br><br>**Restrooms**<br>• Wall and Flooring – ceramic tile<br><br>**Shops**<br>• Painted walls<br>• accent paints on ducts<br>• sealed concrete<br><br>DRA demonstrates the following space illustrations of Interior/Exterior spaces and typical classroom layouts.<br>○ Student Commons<br>○ Auditorium<br>○ Exterior Building Image<br>○ Typical Classroom layout<br>○ Typical Science Rooms layout<br>**Discussion:** None | |
| 24.5 | **Next Meeting/ Milestone Dates** | Record |

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|---|---|---|
| | **Working Group Meetings**<br>• 05.18.2023 – Construction & Logistics Phasing<br><br>**Building Committee Meetings**<br>• 05.18.2023 Building Committee Meeting – Overview of the Basis of Design<br>• 06.15.2023 Building Committee Meeting – Schematic Design Cost Estimate Review<br>• 06.21.2023 Building Committee Meeting – Schematic Design Submission review and approval to MSBA<br><br>**Design, Team Milestone, Meetings & Activities**<br>• 05.18.2023 – SD Cost Estimate Documents Ready for Distribution<br>• 05.22.2023 – DESE Submission Confirm date with MSBA.<br>• Week of 06.10.2023 – Schematic Design Cost Estimate Ready for Distribution<br>• 06.27.2023 – Final SD submission to MSBA<br><br>**Discussion:** None | |
| 24.6 | **Other Topics not Reasonably Anticipated 48 hours prior to the meeting:**<br><br>**K. Maguire** brief update about the pending legislation regarding adding (2) vocational seats to the MSBA.<br><br>**Discussion:** None | Record |
| 24.7 | **Public Comment:** None.<br>**Discussion:** None. | Record |
| 24.8 | **Adjourn** 6:0PM motion was made by B. Bowen and seconded by K. Maguire to adjourn the meeting.<br><br>**Roll Call Vote:** K. Maguire (Y), B. Mushnick (Y), D. Haynes (Y), B. Bowen (Y), B. Foley (Y), J. Dowse (Y),<br><br>**Discussion:** None.<br>All in favor, Motion Passes | Record |

Sincerely,
DORE + WHITTIER
Elias Grijalva
Assistant Project Manager
Cc: Attendees, File
The above is my summation of our meeting. If you have any additions and/or corrections, please contact me for incorporation into these minutes.