

AGENDA

School District #145 - Waverly Public Schools

1. OPENING OF THE MEETING

1. Call to Order
2. Open Meetings Act
3. Publication of Meeting
4. Roll Call

Approve the excused absence of Jessie Zuniga, from the June 17, 2020 Special Meeting, Passed with a motion by Board Member #1 and a second by Board Member #2.

5. Pledge of Allegiance

2. APPROVAL OF AGENDA

1. Approve Agenda

Approval of the agenda for the meeting Passed with a motion by Board Member #1 and a second by Board Member #2.

3. ACTION ITEMS

1. Chromebook Purchase

Approve the 1:1 Technology Initiative and the purchase of Chromebooks at a cost of \$298,647.00 Passed with a motion by Board Member #1 and a second by Board Member #2.

2. Waverly High School HVAC Software Upgrade

Approve updating the Waverly High School HVAC software from APOGEE to Designo at a cost of \$70,328.00 Passed with a motion by Board Member #1 and a second by Board Member #2.

4. Adjournment

5. For Your Information

6. Board Meetings

Meeting Notice

Notice of Special Board Meeting
School District 145 (aka Waverly Public Schools)

The School District 145-Waverly Board of Education will convene in special session at 5:00 p.m. on Wednesday, June 17th, 2020 in the Waverly High School Library, 13401 Amberly Road, Waverly, Nebraska.

The agenda for this meeting, which shall be kept continually current, shall be readily available for public inspection at the School District 145-Waverly Central Office, located at 14511 Heywood Street, Waverly, Nebraska.

Posted this 12th day of June, 2020.



Cory Worrell
Superintendent

Devices:

Device	Grades Used	Total Cost	Extended Warranty	Accidental Device Protection
300e	K-2, 9-12	304.00	15.00	42.00
100e	6-8, 3-5	225.00	15.00	42.00
Total Cost for 820 Devices			12,300	34,440

4 ½ year warranty for \$30 (vs \$15). 4 ½ year ADP for \$58 (vs \$42).

Cost Analysis:

Coverage	Description	Time
Extended Warranty	Covers manufacture defects (ie: motherboard failure, screen failure). Not covered: screen breakage, user inflicted damage/breakage. Note: Battery and power adapter covered for only 1 year.	3 ½ years (42 months)
Accidental Device Protection (must have Extended Warranty)	Covers "accidental" repairs including: screen breakage, drops, falls, liquid spills, etc. Not covered: Battery, power adapter, and intentional damage. Coverage: Unlimited incidents	3 ½ years (42 months)

District Plan:

Purchase the accidental device protection for devices the next three years. (42/device)

- Pay for repairs upfront while we build our internal device/device repair fund.
- Includes labor for repairs decreasing the initial workload for our technology department.

Charge families for an optional assurance plan 6-12 (\$20):

- Half of the \$42 accidental device protection.
- Repairs (parts only) at a reduced rate allows the district to build an internal repair fund and recover money spent upfront for ADP.
- Responsibility for repairs provides accountability for our students. "Skin in the game"
- Families not participating in the optional assurance plan will pay full price for repairs (parts only).

Students K-5 will not be liable for damage while devices are being used responsibly in the building. If we move to remote learning, families would sign a responsible use agreement and would be responsible for damage.

District 1:1 Device Proposal

In order to plan for Fall of 2020 we will need to consider multiple scenarios that take into account the following:

1. Parent/guardian, education staff, and community leaderships' tolerance for risk in regards to the health of all the people involved in a school opening
2. Communities' health care and mass testing/contract tracing capacity
3. Availability of FDA-approved therapeutics to prevent or treat COVID-19
4. Students' access to technology (reliable internet, functioning, and supported devices)
5. Rates of COVID-19 transmission
6. Funding from education and public/private partnerships to address additional operating costs

In light of what we have learned during the past eight weeks, the technology and teaching and learning departments recommend we position ourselves as a district to provide one device for each student K-12. We are making this recommendation based on the following information:

Technology is the most effective way to engage all students in continuous teaching and learning in the case of interrupted face to face instruction due to local and state health directives.

Student access to personal devices connected to reliable internet will allow us to:

- Deliver district curriculum aligned to state standards.
- Be adaptive in our response to dynamic conditions and health directives issued by local and state governments to mitigate infection.
- Utilize applications and programs required to deliver consistent instruction remotely and face to face
- Provide students with feedback to adjust and direct their learning
- Stay connected personally to students and families through synchronous zoom meetings

During the recent temporary distance learning plan, we requested families use personal devices to access lessons while providing 660 devices to families with need. While we were able to provide access to all but a few families teachers, building principals, and families have reported the following technology-related issues on personal devices:

- Teachers have spent a large portion of time-solving technology issues stemming from students using different devices.
- Inability to run some curriculum programs due to outdated operating systems.
- Inability to participate in synchronous zoom sessions without cameras or built-in audio.
- Our synchronous instructional schedule is limited due to multi-student families sharing devices.
- It is difficult to solve tech problems experienced by families not using district devices.

For the 2020-2021 school year we propose:

- New devices for all students grades 9-12 with touchscreen capability.
- Repurposing existing 9-12 devices to the middle school for all students 6-8 and 3-5 to have a personal device
- Continue to provide K-2 families access to touchscreen devices to be checked out.
Hamlow 4:1, Eagle 2:1

Financial Obligation & Sustainability Plan Scenarios:

1-to-1 Grades K-12: Purchase Lenovo 300e touch screens for all of WHS. Send all WHS Lenovo 100e to WMS and buy additional MTK for WMS. Send all N21, N22, N23 to to WIS 3-5 and EES 3-5 (490 total for 487 students).

Grades	School	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	
K	HES/EES	HES 4:1		2:1								
1		EES 2:1		2:1								
2		TB1-1: \$76,384		2:1								
3												
4	WIS/EES											
5												
6												
7	WMS											
8												
9												
10	WHS		Students: 166									
11												
12												
TOTAL		\$298,647.00	\$104,269.00	\$119,058.00	\$115,933.00	\$115,462.86	\$115,803.49	\$114,210.92	\$115,515.29	\$134,610.31	\$126,063.35	\$1,358,573.21
Fiscal Year		2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	

- High school touch screen devices allow for increased functionality. I.e. marching band, math/science courses
- Estimate includes bags for grades 6-12 devices
- Estimate includes carts for elementary classrooms for charging and storage.
- Plan allows for the repurposing of devices for K-2 classrooms. (6-year life)
- K-2 will be 1:1 until 2022-2023
 - If we wanted to go 1:1 at K-2 it would cost an additional 76,384.00

Teacher Support for Devices:

Kelly Bielenberg- High School Media Specialist

We are very fortunate at the high school to have several chromebook carts for classroom checkout. Oftentimes, the same teachers book the carts for several days in advance for several days in a row. It can be discouraging to the classroom teacher who is trying to incorporate technology into a lesson and not is able to get a chromebook cart for the desired day and/or periods. Sometimes, a teacher can get chromebooks for only some of the periods they teach the same class in a day. Then the teacher has to take the time deciding how to modify the lesson based on the periods he or she can access chromebooks. Finally, the time spent moving carts from classroom to classroom based on which cart is booked for which period takes time that could be spent welcoming students and/or answering questions as students enter the classroom. A 1:1 situation would alleviate some of the time issues that discourage teachers from implementing activities on the chromebooks.

Also as teachers, we sometimes fall back on using student cell phones in the classroom when a chromebook is not available. Going to a 1:1 environment would provide equal access and participation in online work to all students in our building. Plus, it will be easier to limit the distractions that cell phones create because they will become unnecessary in a 1:1 learning environment. I do not believe chromebooks create the same level of distraction.

With the increased use of online textbooks and online assignments, a chromebook that a student can take home each evening may help facilitate a higher return on student engagement and completion of tasks by due dates.

Finally, I think the district did a great job of trying to provide access to every student during our time of remote learning. Having a 1:1 environment already in place in the event of going remote again would make a difference in the level of rigor we can expect from our students

Brady Rohlf- Instrumental Music

The high school instrumental music department would be interested in the use of touchscreen flip chromebooks. Through the development of this technology in the past years, there have been several presentations on its uses and now examples in other programs. Some examples are as follows:

1. Marching band drill setting. The technology now exists that uses GPS to help students find their exact location on a performance field. With the Chromebooks ability to use the school Wifi, we would be able to use these methods vs. each student getting 45 pages of drill sheets to use.
2. Concert band literature. The foldable design of the touch chromebooks would allow a student to download their particular part and have it on the music stand. No more lost parts, paying for replacements, and copy making. A student can read off of the computer as long as the district owns the original paper version and not infringe upon copyright laws.

3. Pep band music. The same concept applies to students having all pep band music loaded on to their device for use at games.

4. Music theory/appreciation. In an effort to move towards providing opportunities for music theory growth in our classrooms, the use of software that every student would have access too and could actively use in the rehearsal would be a large step in this academic goal.

Pam Wendel- Science Department Chair

I am proof that teachers near the "rule of 85" can learn to embrace technology. My students and I spent some time reflecting this week on practices that I used to make remote learning clear and concise for every student. Together we identified several things I should continue to do regardless of how we approach the fall and next year. The primary things are maximizing the use of Google Classroom as an LMS, electronic checklists, worksheets with single-step submission (meaning they can type, show work, model from their computers), and recorded lectures.

I look at this as a shift to a more paperless world and in order to do that we need something different than what we are doing right now. Traditionally, at the high school, the Chromebook carts are heavily utilized by the English dept. with several of them signing up for a cart almost every day throughout the school year. The rest of us have to reserve carts two weeks out in order to get them for an entire day. Prior to remote learning, I don't think I would have been in favor of a 1:1 classroom for no other reason than I was comfortable using paper and I didn't have time to learn/use too much technology in the classroom. However, after this experience, I don't want to go back to my "normal" operations. I'm ready to embrace a more digital presence in my classroom but even my students were quick to acknowledge that without everyone having equal access, it won't work.

Wendy Boitnott- High School Special Education Department Chair

Currently at the high school computers are available in carts. In between classes, there are four minutes to transition from classroom to classroom, prepare for the next section, dismiss/welcome, and answer questions--restroom runs are obviously optional and used only as a necessity. It is standard that when computers are needed for class, teachers reserve computer carts by period needed. In these cases, a teacher needs to know where the cart is the period before the needed class, go get it and be back to welcome the next class all while pushing a cart through the river of students transitioning from class to class. This is in a perfect scenario. If the cart is not where it is supposed to be or if the teacher is "finishing" up with things--there is no way possible to utilize these in a timely manner.

A priority in analyzing student success in either distance learning or regular classroom settings are executive functioning skills. Executive functioning skills are basically organizational, prioritizing, and planning skills to "juggle" necessary tasks. Teenagers, high school students, general education, or special education students struggle with this. If 1-1 computers were

available, teachers could explicitly build in executive functioning activities within the daily class. This would be helpful because many IEP goals related to the execution of executive functioning skills. It could also facilitate specific interventions as well.

All students would benefit from having 1-1 computers. It would provide a consistent, equitable platform to teach not only executive functioning but content as well, because honestly when 3 students are working from personal laptops, 12 students are working on their phones, 2 students do not have a phone at all, and the others might be able to grab a laptop from the library, it is difficult to efficiently use class time and teach effectively while navigating the nuances of each device.

Thank you for your consideration.



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PROPOSAL

Waverly School District Siemens BMS Upgrade

PREPARED BY

Siemens Industry, Inc.

PREPARED FOR

WAVERLY SCHOOL DISTRICT 145

DELIVERED ON

May 20, 2020



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Contact Information

Proposal #: 4863778

Date: May 20, 2020

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Customer: WAVERLY SCHOOL DISTRICT 145
Address: 14511 HEYWOOD ST
WAVERLY NE 68462-1330

Services shall be provided at: WAVERLY SCHOOL DISTRICT 145
WAVERLY NE 68462-1330

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Scope of Work

Scope of Work for Desigo Migration Services:

Summary:

Siemens announced APOGEE Insight End of Life and technical support for the Building Management System (BMS) at Waverly Public Schools. Siemens has developed a migration plan that will move the School from Insight to Desigo and upgrade legacy hardware required for the migration.

This proposal will address the migration of the Insight software platform to Desigo and hardware upgrades.

Migration Services Workflow Tasks with Assignments

Task	Definition	Assignment
1. Server Install / Commission Purchase / Configure a Server.		Waverly PS
2. Graphics Determine which graphics to be migrated.		Waverly and Siemens
3. Graphics Development Recreate Desigo graphics.		Siemens
4. Graphics Submittal Develop typical for approval Waverly PS		Siemens / Waverly
5. Software Installation Transfer / Install Desigo Licenses.		Siemens
6. Firmware Installation, installation of panel firmware.		Siemens
7. Database Migration Create Desigo Database.		Siemens
8. User View Development Create Site User Views		Siemens
9. Graphics Installation Install graphic pages.		Siemens
10. Graphics Commissioning Commission installed graphics.		Siemens
11. Reno / Alarm / Notifications Configure RENO alarms.		Siemens
12. Report building Configure reports.		Siemens
13. Trend / Schedule Views Configure trend and schedules.		Siemens
14. BMS Validation Process Complete Engineering / Field Testing		NA
15. Field panel upgrades		Siemens
16. Training. Operator / Engineer Training		Waverly PS

1. **Scope of Work for Server Installation / Commission to be completed by Waverly PS:**

- Waverly PS will be providing any server hardware or software needed to support the Desigo software platform including a Windows operating system.
- Waverly PS will commission the server and all software to ensure compliance with the Desigo software platform.
- Waverly PS will provide an ADMIN level access for Siemens technicians to ensure Siemens can configure the server for operation with the Building Management System. (BMS)
- Waverly PS IT department is responsible for the connectivity and client operations across the Waverly network.

Scope of Work for Server Installation / Commission to be completed by Siemens:

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- Siemens will provide technical documentation to Waverly PS for the server installation and setup.
- Siemens will not be providing any server hardware, VM software, SQL software or other software for the server.
- Siemens will provide technical support to Waverly PS IT staff for connectivity / client operations, commissioning the server, Web certificate installation and operation.

2. **Scope of Work to determine which graphics will be migrated to be completed by Waverly PS:**

- Waverly PS with the assistance of Siemens will inspect each graphics page on the existing server and determine which graphic pages are required to be recreated or imported into Desigo.

Scope of Work to determine which graphics will be migrated to be completed by Siemens:

- Siemens will provide project management time for coaching and reviewing the graphics file list provided by Waverly PS.

3. **Scope of Work Graphics Development to be completed by Siemens:**

- Siemens will recreate Insight graphic pages into Desigo. (quantities shown)
- Typical graphics pages will be developed for the systems that are similar between the campuses's such as boilers, AHU's, chillers, etc. Final development will be completed after the submittal review and approval by Waverly PS.

4. **Scope of Work graphics submittal to be completed by Siemens:**

- Siemens will produce a pdf sample of each typical graphic page system and will submit to Waverly PS for approval.
- Siemens will schedule a meeting with Waverly PS to review the submittal and make design changes as needed until the submittal has been approved.

Scope of Work graphics submittal to be completed by Waverly PS:

- Waverly PS will participate in a meeting within 2 weeks of being notified the graphics submittal is ready for review.
- Waverly PS will make design changes with Siemens support within 1 week's time of the meeting.

5. **Scope of Work Desigo software installation and License transfer to be completed by Siemens:**

- Siemens will install the Desigo software on the new server.
- Siemens will transfer the existing licenses from the Waverly PS Desigo workstation to the new server.
- Siemens will convert the physical dongle to a virtual license (If applicable).
- Siemens will provide and install the new point licenses not exceeding 1,100 points.

- Siemens will commissioning and test the server for connectivity and operation.
- Provide technical support to Waverly PS IT staff for Web certificate commissioning.

Scope of Work Desigo software installation and License transfer to be completed by Waverly PS:

- Provide access to the new server.
- Provide access to the existing Desigo workstation.
- Ensure connectivity and web certificates are in compliance with Waverly PS standards.

6. Scope of Work firmware installation and IP Address updates to be completed by Siemens:

- Siemens will install the applicable firmware for existing Siemens field panels.
- Siemens will coordinate this service with Waverly PS facilities staff to install the firmware during normal business hours where applicable and Siemens has Overtime included for installation outside of normal business.
- Siemens will change IP address in the field panels to the addresses required by Waverly PS IT.

Scope of Work firmware installation to be completed by Waverly PS:

- Provide access to all locations of all of the field panels.
- Provide an Engineer for equipment downtime support and putting equipment in Hand mode if needed.
- Provide scheduling support.
- Provide IP addresses.

7. Scope of Work database migration to Desigo to be completed by Siemens:

- Siemens will export the database from the Insight server to the Desigo server.

Scope of Work database migration to Desigo to be completed by Waverly PS:

- Provide access to the existing and new servers.

8. Scope of Work user view development to be completed by Siemens and Waverly PS:

- Siemens and Waverly PS will determine and develop the actual users allowed to access the system.
- Siemens and Waverly PS will determine the types of user roles or access groups being required on the system.
- Siemens and Waverly PS will be responsible for assigning graphic pages to site user views.
- Siemens and Waverly PS will be responsible for determining and assigning access privileges.

9. Scope of Work graphic installation to be completed by Siemens:

- Siemens will perform graphics commissioning for each graphics page created.
- Siemens will ensure graphic links and point data are reliable and accurate.

Scope of Work graphic installation to be completed by Waverly PS:

- Waverly PS will provide access to the new server.

10. Scope of Work graphics commissioning to be completed by Siemens:

- Siemens will perform graphics commissioning for each graphics page created.
- Siemens will ensure graphic links and point data are reliable and accurate.

Scope of Work graphics commissioning to be completed by Waverly PS:

- Waverly PS will provide access to the new server.
- Waverly PS will approve completed commissioning reports submitted by Siemens indicating completion at each site.

11. Scope of Work RENO / Alarm / Notifications to be completed by Siemens:

- Siemens is responsible for identifying and configuring each RENO / Alarm / Notification needed in Desigo.
- Failed points or existing point resolution issues must be addressed by Waverly PS.
- Siemens will coach Waverly PS on how to develop the RENO notification in Desigo.
- Siemens will test RENO in Desigo to ensure it is operational.

12. Scope of Work report building to be completed by Siemens:

- Siemens is responsible for identifying and configuring each report needed in Desigo.
- Siemens will coach Waverly PS on how to develop the reports in Desigo.

13. Scope of Work trend / schedule view to be completed by Siemens:

- Siemens is responsible for identifying and configuring each trend or schedule in Desigo.
- Siemens during the database migration will ensure the trend / schedules are migrated from the Insight database. No new trends or schedules should be required or will be developed by Siemens.

14. Scope of Work BMS Validation to be completed by Siemens: NA

- NA

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15. Field Panel Upgrades

- Eagle Elementary MBC 1 and 2 will be upgrade to PXC type.
- Install RS485 converter software into an existing Siemens panel.

16. Scope of Work training to be completed;

- Operator / engineer training have not been addressed in this proposal. A training program is being considered now and will be developed as a separate project.

Completion of Scope of Work

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Inclusions

1. Insert Text Here
2. ...

Exclusions

1. Servers
2. Sequel software
3. VM software
4. Taxation
5. Overtime
6. Ethernet drops

Clarifications

Waverly Public School is providing all hardware, such as servers, virtual or physical, sequel server software and IT support.

The proposals are time limited for 30 days. If the projects are executed anytime after 30 days please expect cost increases.

Once an order / PO is issued by the School for the work Siemens can take up to 10 months to complete the Design migration.

[Click here to start adding content...](#)

Sell Price

Total Quote Price **\$70,328.00**

Breakout Price:

Hardware Upgrades: \$22,000.00

Desigo Software: \$48,328.00

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Payment Terms

Payment Terms Acceptance Agreement

The total price of: \$70,328.00 and the estimated return on investment are based on the items outlined in this proposal. ANY statements made herein regarding savings that may be achieved by implementing the services offered in this proposal are estimates only. No warranty, either expressed or implied, shall be construed to arise from such statements, nor shall such statements be construed as constituting a guarantee by Siemens that such savings will occur if the services are implemented.

Terms and Conditions Disclaimer

The Customer acknowledges that when approved by the Customer and accepted by Siemens Industry, Inc.: (i) the Proposal and the Contract Terms and Conditions, (together with any other documents incorporated into the forgoing) shall constitute the entire agreement of the parties with respect to its subject matter (collectively, hereinafter referred to as the "Agreement") and (ii) in the event of any conflict between the terms and conditions of the Proposal and the terms and conditions of The Contract Terms and Conditions, the Contract Terms and Conditions shall control.

BY EXECUTION HEREOF, THE SIGNER CERTIFIES THAT (S)HE HAS READ ALL OF THE TERMS AND CONDITIONS AND DOCUMENTS, THAT SIEMENS OR ITS REPRESENTATIVES HAVE MADE NO AGREEMENTS OR REPRESENTATIONS EXCEPT AS SET FORTH THEREIN, AND THAT (S)HE IS DULY AUTHORIZED TO EXECUTE THE SIGNATURE PAGE ON BEHALF OF THE CUSTOMER.

This Proposal is based on the Siemens Industry, Inc. Standard Terms and Conditions and the "Scope of Work" and are to be considered part of this proposal. Proposal is valid for thirty (30) days from the delivery date of May 20, 2020. Payment is due within 30 days of invoice date.

Payment Terms: 25% mobilization in advance, progress payments

Total: \$70,328.00

Terms & Conditions Link(s)

Terms and Conditions (Click to download)

[Terms & Conditions](#)

(www.siemens.com/download?A6V10946842)

As a result of the global Covid-19 Virus outbreak, temporary delays in delivery, labor or services from Siemens and its sub-suppliers or subcontractors may occur. Among other factors, Siemens' delivery is subject to the correct and punctual supply from sub-suppliers or subcontractors, and Siemens reserves the right to make partial deliveries or modify its labor or services. While Siemens shall make every commercially reasonable effort to meet the delivery or service or completion date mentioned above, such date is subject to change.

Attachment A

Riders (Click on rider below to download)

[SI Monitoring Rider](#)

(www.siemens.com/download?A6V10946171)

[SI Online Backup and Data Protection](#)

(www.siemens.com/download?A6V10946174)

[SI UBM or Utility Procurement](#)

(www.siemens.com/download?A6V10946178)

[SI Software License Warranty](#)

(www.siemens.com/download?A6V10946180)

[SI Consulting Rider](#)

(www.siemens.com/download?A6V10946838)

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Signature Page

Proposed by:

Siemens Industry, Inc.

Company

Scott Weinandt

Name

4863778

Proposal #

\$70,328.00

Proposal Amount

May 20, 2020

Date

Accepted by:

WAVERLY SCHOOL DISTRICT 145

Company

Name (Printed)

Signature

Title

Date

Purchase Order #