



June 10, 2015

Sarah Freishtat  
Aurora Beacon News

VIA EMAIL – [sfreishtat@tribpub.com](mailto:sfreishtat@tribpub.com)

Re: FOIA Request Dated June 8, 2015 and received June 8, 2015 FOIA ID #15-25

Subject: A copy of the technology plan study created for Community School District 308 and a copy of the contract between Community Unit School District 308 and Capital Data

Dear Ms. Freishtat:

This letter will serve as Community Unit School District 308's response to your June 8, 2015 request under the Freedom of Information Act (5ILCS 140/1 et seq.), in which you asked for the above referenced information. The information responsive to your request is attached.

To promote district transparency and assist others who may have a similar question, this responsive document will be posted online on the district's website. To access it, go to [www.sd308.org](http://www.sd308.org) and select *Our District > Freedom of Information Act Request > FOIA Request Responses*, then select FOIA ID #15-25.

Please be advised that to comply with your FOIA request, the district incurred the expense of **\$76.27**, comprised of the cost of labor and resources used to search for records responsive to your request. You are not legally required to reimburse the district for the amount incurred.

Please let me know if you have additional questions. Thank you.



Brian Graves  
Freedom of Information Officer

# **SD308 – Community Unit School District**

**Project 2020 Technology Roadmap  
Assessment  
REV2**

**Statement of Work  
February 2015**

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## Document Purpose

The purpose of this document is to outline an engagement between SD308 Community Unit School District, (SD308) and Capital Data Inc., (CD). The engagement details are listed below and capture the assessment deliverables outlined in a collaborative meeting between Capital Data and SD308 Sponsor.

Capital Data will perform an analysis with SD308's information technology and curriculum team that will have specific measurable objectives that are aligned to the technology roadmap entitled, Project 2020. The end result will produce a master document supporting current state vs. target state and meet the expectations of having a complete and holistic Information Technology roadmap for district use to support Project 2020 specific to the mobile device platform within SD308 internally noted as Goal #4. The master document will be supported by an executive summary of which will be presented to SD308 Board of Education in late March.

## Target Objective

The target objective as defined by SD308 is as follows:

- To expand learning opportunities through the use of mobile computing in and out of classroom by 25% each year until SD308 reaches district wide implementation.
- SD308 in conjunction with Capital Data, will develop a plan for acquisition and implementation of mobile devices (ex. Chrome-book's, iPads, smartphones,) to facilitate the districts' instructional/assessment needs.

## High Level Assessment Tasks

Capital Data technical services team will engage with SD308 on every level applicable with the mobile device platform, from it's supporting infrastructure, to support personnel, licensing, lifecycle, growth and scalability for up-to-five years. A complete gap-analysis will be included as a core deliverable that will outline the district's current state architecture vs. the proposed future state as identified throughout the engagement. The following identifies the high level subjects and interests that will be addressed throughout the future weeks.

<ul style="list-style-type: none"><li>• Interview District Stakeholders</li></ul>	<ul style="list-style-type: none"><li>• Assess Current State Architecture</li></ul>
<ul style="list-style-type: none"><li>• Documentation related to Analysis of the</li></ul>	<ul style="list-style-type: none"><li>• Cloud Assessment for eLearning</li></ul>

environment	
<ul style="list-style-type: none"> <li>Infrastructure Assessment Gap Analysis</li> </ul>	<ul style="list-style-type: none"> <li>Analyze Recommended Architecture</li> </ul>
<ul style="list-style-type: none"> <li>Develop Future State Architecture</li> </ul>	<ul style="list-style-type: none"> <li>Inventory Data Gathering</li> </ul>
<ul style="list-style-type: none"> <li>Validate 5 year roadmap to match best practice</li> </ul>	<ul style="list-style-type: none"> <li>Outline student support mechanism for 5 year expansion</li> </ul>
<ul style="list-style-type: none"> <li>Budgetary Report for future growth, replacement, refresh and expansion</li> </ul>	<ul style="list-style-type: none"> <li>Validate 5 year roadmap to match best practice</li> </ul>

## Detailed Task Description

Task	Description	Deliverable
Analyze Existing Storage Infrastructure	Detailed analysis of existing storage infrastructure supporting mobile devices at all locations	Report out of current storage performance
Analyze Network Infrastructure	Detailed documentation on current network infrastructure for core services, web services, and branch connectivity.	Detailed Network Hardware listing with needed components for appropriate redundancy.
Analyze Applications supporting Mobile Devices	Identify current server applications and document access and support methodologies	Application recommendations including public/private cloud scenarios
Analyze Compute/Servers	Validate best practice configuration from compute and server platform	Report out on existing server infrastructure supporting current mobile devices
Best Practice	Complete analysis of best practice hardware, configuration and setup both current and target state definition.	<p>Detailed outline of best practice for future state solution as well as current state configuration.</p> <p>Identify current state capabilities</p> <p>What is needed for a better state, leveraging additional</p>

		assets etc.
Analyze Backup of mobile infrastructure	Analysis of existing backup strategy and best practice configuration	Documented submittal of all backups, retention, archival and off-site accessibility-supporting environment.
Remote Accessibility	Analyze availability of districts applications through remote accessibility for students, staff and administration	Enhancements and expansion of remote accessibility
Data Collection	<p>Collection of the following data sets as it relates to the supported infrastructure:</p> <ul style="list-style-type: none"> <li>• Storage Array(s)</li> <li>• Server(s)</li> <li>• Network Infrastructure</li> <li>• Virtual Desktop infrastructure</li> <li>• Application(s)</li> <li>• Additional components as applicable</li> </ul>	<p>Applicable data sets confirming existing infrastructure configuration</p> <p>Best practice tools will be leveraged to aggregate data points</p> <p>Data will be presented in .xls, .pdf and manufacture specific outputs correlated into the master document and as applicable the executive summary for Board Presentation</p>

## Roles and Responsibilities Summary Per Phase

Task Description	Capital Data	SD308
Interactive Discovery	X	X
Analysis	X	
Current State vs. Future State	X	
Assessment submittal and review	X	X
Co-Authored Data Presentation	X	X

## Project Schedule

Task	Date
Interview District Stakeholders	On February 18, 2015
Analyze District Strategic Vision and 2020 Internal Plan	By February 25, 2015
Rough Draft 2020 Technology Plan Submittal to SD308 Sponsor	By March 6, 2015
Final Draft Submittal to SD308 Sponsor for BoE review	By March 16, 2015
Co-Presentation to Board of Education with SD308 Sponsor	On March 23, 2015

## Project Budget

Description	Total
Project 2020 Consulting Services	14,400.00

## Change Orders

- In the event of specific change to scope of services is required, Capital Data will engage SD308 stakeholders to clearly outline why the scope has changed, the effort to manage the change and any financial, timeline or resource impact of the engagements. No services will be changed unless agreed upon by both parties, Capital Data and SD308.

## Terms and Conditions

- Contract is related to assessment and review of details provided within this Statement of Work
- The proposal is good for 30 days from the date of issue
- All pricing is based on availability at the time of sales order or sales order is placed
- All prices quoted in this proposal do not include taxes (as applicable)

## Confidentiality Agreement

- No Use. Capital Data agrees not to use the Confidential Information in any way, or to manufacture or test share internal knowledge obtained during assessment. Embodying Confidential Information, except for the purpose set forth above.
- No Disclosure. Capital Data agrees to use protect and prevent the Confidential Information, or any part thereof, from disclosure to any person other than Recipient's employees having a need for disclosure in connection with Recipient's authorized use of the Confidential Information.
- Protection of Secrecy. Recipient agrees to take all steps reasonably necessary to protect the secrecy of the Confidential Information, and to prevent the Confidential Information from falling into the public domain or into the possession of unauthorized persons.

## Approvals and Signatures

Accepted by: \_\_\_\_\_

Accepted by: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Name: \_\_\_\_\_

Name: \_\_\_\_\_

Date Signed: \_\_\_\_\_

Date Signed: \_\_\_\_\_



# SD308 – Pathway to 2020 Technology Plan

March 23, 2015



*“The Learning Evolution”*



**capital data**  
your partner. your solution.

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# Background

- Linked to Strategic Plan
- Reviewed by Teaching & Learning & Building Administration
- Informed by external audits of district technology assets

# Technology Plan Goals

Goal	Focus	Oversight
1	Expand learning opportunities through online and blended learning	Jamie Max, Eric Watt, Allen Clasen, Online Joint Committee Members
2	Integration of ISTE standards into curriculum and instruction	Dr Lisa Smith, Jamie Max, Melissa McDowell, Julie Lam, Curriculum Review Teams
3	Instructional and administrative technology professional development	Dr Kellie Sanders, Eric Watt
4	Expand mobile computing use	Allen Clasen & Tech Steering Committee
5	Comprehensive Infrastructure plan to assure available infrastructure resources for enhancing student achievement	Allen Clasen & Consultant



# Why Mobility?

“Technology, when used effectively, can help students meet and exceed rigorous learning goals. It can also give educators access to tools and resources that personalize instruction and create relevant, engaging learning environment” (ISTE, 2015).

“Curriculum & assessments are driving the technology –  
Technology should not dictate learning”

# Why Mobility?

Mobile technologies help schools:

- Effectively engage today's "digital natives" and prepare them for modern, technology-focused careers
- Create a seamless transition between in-class and at-home learning
- Change the way students access and learn, providing a deeply engaging, student-driven and personalized learning experience
- Provide anytime, anywhere access to online learning resources, collaboration and sharing
- Level the playing field for students who don't have access to computers or broadband Internet access at home
- Provide access to always-current learning materials and resources



# Future State

- 1:1 / BYOD - Same “look and feel” for students/ teachers on any type of device
- Flexible, adaptable solution to support a multitude of learning technologies – on premises, cloud, hybrid, legacy
- Single common platform for enabling of professional development, technology adoption, student support structures



# Future State

- Blended learning in all classrooms
- Online assessments in classrooms, not only labs
- Anytime, anywhere curriculum access – seamless transition between in-class and at-home learning



# Future State

- Wireless connectivity – district-wide
- Scalable infrastructure deployment
- Scalable solution support for teacher, staff, and administrators
- Google Apps Suite model - device agnostic



# Future Learning Scenarios

## Technology Type

### 1:1

- Personalized learning
- Anytime, anywhere
- Increased student accessibility
- Consistent student experience

### BYOD

- Reduce device cost for district
- Accelerated student online access
- Reduce device support

### Assessments

- In classrooms assessments
- Familiar student surroundings
- Reduced student movement increases instructional time

### Lab

- Learning becomes mobile
- Frees lab space for other instructional uses
- Remove fixed labs
- Purpose built labs remain

## Delivery Model

VDI / App / Web

VDI / App / Web

Thin / App / Web

VDI / GPU

# Current State

## Learning Type

### Classroom

- Thin Client
- Thick Clients greater than 7 years old

### Mobility

- 2:1 Devices
- Non mobile format
- PC Carts 5-7yrs old
- iPads 3yrs old

### Assessments

- Significantly displaces Gen Ed instruction > 50%

### Lab

- Thick or Thin Clients
- Purpose built

## Limitations

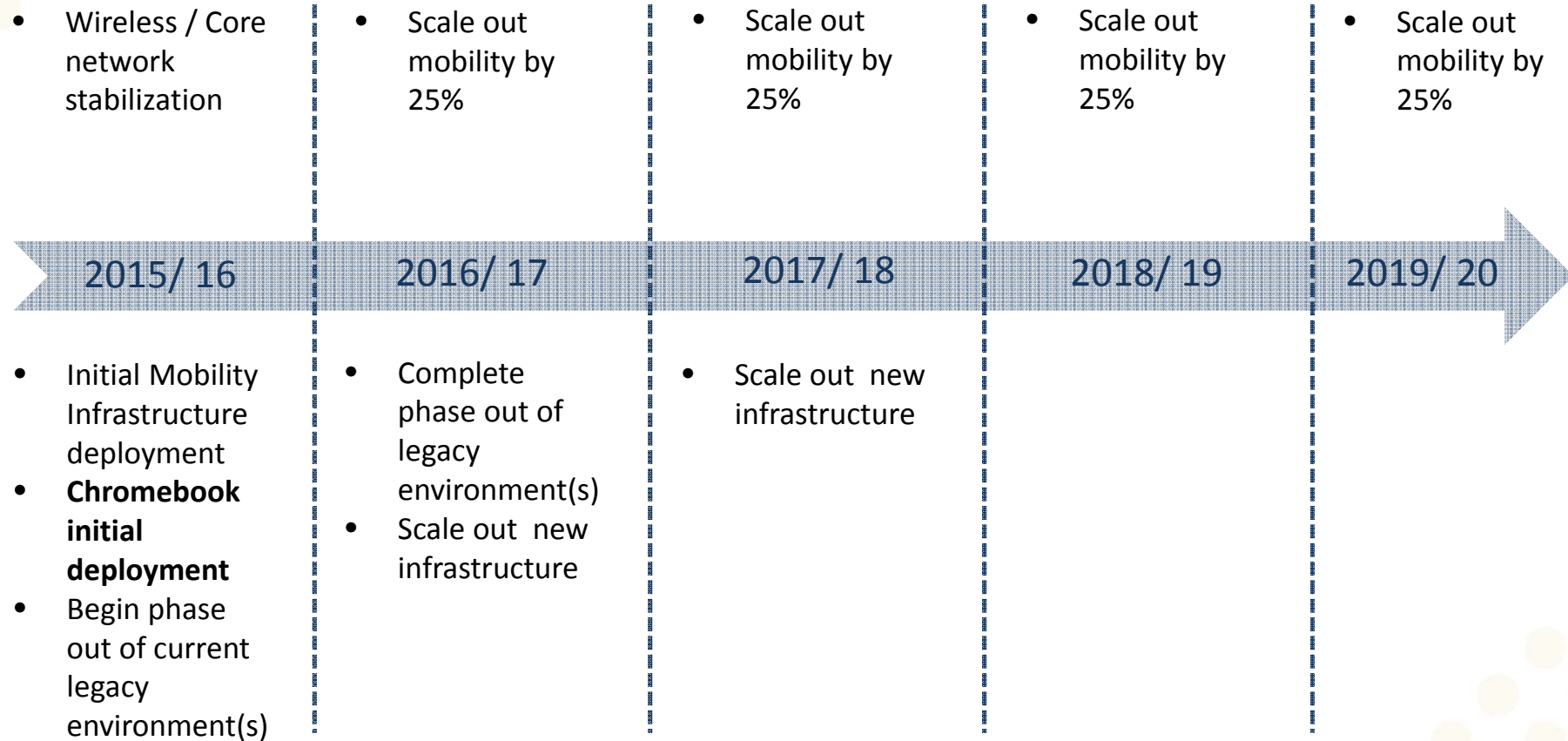
Wireless

Non Mobile

Capacity

Scalability

# Technology Integration Timeline



# Value Integration Timeline

- EL/DBE Students
- Gifted Ed 3/4/5
- AVID
- HS Online waiver

- Mobile Rollout
- 3<sup>rd</sup> Grade
  - 6<sup>th</sup> Grade
  - 9<sup>th</sup> Grade

- Mobile Rollout
- 3<sup>rd</sup> Grade
  - 6<sup>th</sup> Grade
  - 9<sup>th</sup> Grade

- Mobile Rollout
- 3<sup>rd</sup> Grade
  - 6<sup>th</sup> Grade
  - 9<sup>th</sup> Grade

- Mobile Rollout
- 3<sup>rd</sup> Grade

2015/ 16

2016/ 17

2017/ 18

2018/ 19

2019/ 20

- Elementary lab displacement
- PARCC online testing

3<sup>rd</sup> Grade # – 1,317  
6<sup>th</sup> Grade # – 1,463  
9<sup>th</sup> Grade # – 1,395  
Total # - 4,175

3<sup>rd</sup> Grade # – 1,316  
6<sup>th</sup> Grade # – 1,396  
9<sup>th</sup> Grade # – 1,481  
Total # - 4,193

3<sup>rd</sup> Grade # – 1,339  
6<sup>th</sup> Grade # – 1,400  
9<sup>th</sup> Grade # – 1,497  
Total # - 4,236

3<sup>rd</sup> Grade # – 1,355  
6<sup>th</sup> Grade # – 0  
9<sup>th</sup> Grade # – 0  
Total # - 1,355

PARCC Testing MAR2016  
– 7,114 Students

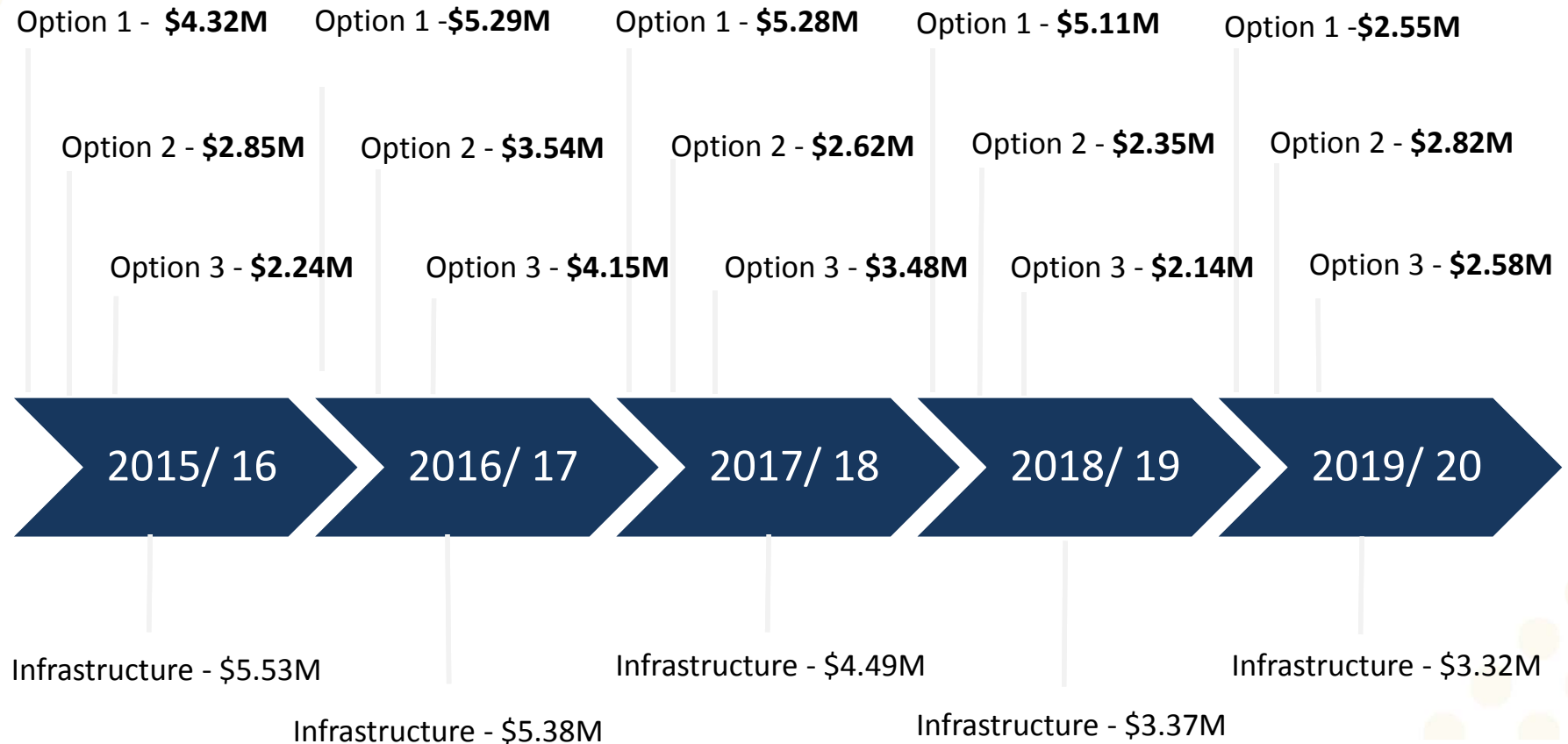
To achieve the 25% growth goal for mobility.  
Recommended model starting 3<sup>rd</sup>/6<sup>th</sup>/9<sup>th</sup> grade,  
recurring annually to meet district rollout objectives.


TOTAL – 13,959

# Budgetary Options - 5-Year Plan

	OPTION 1	OPTION 2	OPTION 3
	1:1 End Points + 1:1 Virtual Desktops	1:1 End Points + Hybrid Apps/ Virtual Desktop	1:1 End Points + Re-purpose Legacy Equipment
Chromebook Deployment	\$ 6.5M	\$ 6.5M	\$ 6.5M
Mobility Infrastructure	\$ 16.1M	\$ 7.7M	\$ 8.0M
Infrastructure Operational Expenditures	\$ 22.1M	\$ 22.1M	\$ 22.1M
<b>TOTAL</b>	<b>\$ 44.7M</b>	<b>\$ 36.3M</b>	<b>\$ 36.6M</b>

# Mobility Investment Timeline





When students leave the school to go to the park, or when they return, they have in fact, not left the site of learning, they have turned the new environment into the site of learning.

- *Kress, G. and Pachler, N. Center of Education London, UK*

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# Questions

