



Agenda

1 The Challenge

What the client was looking for

7 The Team

The unique blend of disciplines we brought together

Q Our Solution

How we collaborated to address the challenge successfully

Outcomes

How we exceeded expectations



About OPB Public media funding

OPB and KMHD events

OPB en Español

Partnerships Newsletters

Help center

FDUCATION

Portland Public Schools voters approve \$1.2 billion borrowing plan



By Rob Manning (OPB) and Elizabeth Miller (OPB)

Nov. 3, 2020 8:23 p.m. Updated: Nov. 4, 2020 9:37 a.m.

The measure would continue district's work renovating school buildings.

Portland Public Schools voters have again approved a construction bond for the state's largest school district, according to unofficial election returns.

The district's 2020 bond, worth \$1.2 billion, passed by a nearly three-to-one margin, according to the latest results published Wednesday morning.

The measure asked voters to back major investments in two high schools, as well as the establishment of a new Center for Black Student Excellence, and a range of other priorities from new laptops to expanded alarm systems and improved school heating.

Related: OPB's 2020 election coverage, ballot guide

The appearance of Measure 26-215 on the ballot marked the fourth time in a little less than a decade that Portland Public Schools had gone to voters for support of a construction bond with a big sticker price. Voters approved two of the previous three bonds — in 2012 and 2017 — but rejected a measure in 2011.

- Largest bond in District history (to date)
- Passed by a margin of 3 to 1
- Funds to support three major areas:

Educational Investments

(Textbooks, Laptops, SPED)

Health and Safety Investments

(Accessibility, Roofs, Seismic, Mechanical, Locks, Cameras)

School Modernizations & Rebuilds

(High Schools, Polytechnic HS)



Notice of Measure Election

District		26-213		150.041, 253.145, 253.343		
Notice						
Date of Notice	Name of District	Name of County or Cou	intles I	Date of E	lection	
8/26/20	Portland Public Schools	Multnomah, Washin	gton 1	1/3/20		
	e The following is the final ballot title of the measur ballot title challenge process has been completed.	e to be submitted to the district's voters. The	ballot title	notice ha	s been	
Caption 10 word	s which reasonably identifies the subject of the mea	sure.				
Bonds to Impro	ove Health, Safety, Learning by Modern	izing, Repairing Schools				
Question 20 wor	rds which plainly phrases the chief purpose of the m	easure,			_	
If the bonds are app	e Schools repair, modernize schools; replace technol proved, they will be payable from taxes on property to Oregon Constitution.					
Summary 175 w	ords which concisely and impartially summarizes the	measure and its major effect.	_	_	_	
See attached						
			5.3			
			73	20		
			- 1	20 AUS 26 PK	22	
			1,500	43	CEI .	
				25	53	
			13.3			
				7.5		
				င္မာ		
				2		
				-		
	itement 500 words that impartially explains the m					
	oducing a voters' pamphlet an explanatory state eferred by the district elections authority; or	tement must be drafted and attached to	this form	for:		
	referendum, if required by local ordinance.	Explanatory Statement Attached?	Yes		lo	
Authorized Dist	rict Official Not required to be notarized.					
Name		Title				
Suadalupe Gue	rrero	Superintendent				
Mailing Address		Contact Phone				
01 N. Dixon St	. Portland, OR 97227	503-916-3200				
	curnent: that I am authorized by the district elections au ptice of receipt of ballot title has been publishe					

SEL 803



In addition, the bond program has addressed infrastructure needs at every school throughout district:

- Replacing plumbing to remove lead, improve water quality;
- Removing or encapsulating exposed lead paint and asbestos;
- Upgrading fire alarm and sprinkler systems;
- Repairing or replacing leaking or deteriorating roofs, with improved seismically strengthened roofs;
- Seismic retrofitting;
- Improving accessibility for people with disabilities;
- Mitigating radon exposure;
- Strengthening school safety and security; and
- Upgrading science labs.

Health & Safety Investments

- Remove barriers to accessibility in schools across the district;
- Repair/replace leaking or deteriorating school roofs;
- Seismically retrofit up to three schools;
- Repair/replace high-priority mechanical systems (heating, cooling and ventilation); and
- Update classroom door locks, install security camera systems, and upgrade or replace intrusion alarm systems to strengthen security.





About Current Modernizations Building Improvements Completed Projects Office of School Modernization

Health & Safety Projects

Home > Building Improvements > Health & Safety Projects > Building Improvements > Security (2020 Bond)

Building Improvements

Accessibility (2012 Bond)

ADA (2017 Bond)

ADA (2020 Bond)

Asbestos Remediation

2020 Bond Security Projects - \$25,900,000

2020 Bond funds for the Security Program include:

- Adding locking hardware to all classroom doors throughout the district.
- · Updating intrusion alarm systems.
- · Adding additional security cameras.

- Security Projects Budget = \$25.9M
- Divided into three projects:

Classroom Door Locking Hardware

(Updating all doors to District Standards)

Intrusion Alarm Updates

(Integrate with systems)

Additional Security Cameras

(Increase coverage and align with District Standards)

Budget \$17,669,572 (Construction Budget Only)



Portland Public Schools
School District 1J
Multnomah County, Oregon

Request for Proposals

Architecture and Engineering: Security Consultant

RFP No. 2022-016



Key Components

Project to be delivered in phases:

Phase 1 = 15 Schools

Phase 2A = 14 Schools

Phase 2B = 13 Schools

Phase 3A = 10 Schools

Phase 3B = 18 Schools

Phase 3C = 16 Schools

- Interior Cameras to be located based on District Standards
- Exterior Cameras to be located based on optimizing residual budget
- Exterior cameras to be prioritized relative to building perimeter and parking coverage



In responding to the RFP, we asked ourselves the following question:

"How do we deliver the scope of work in a budget compliant, optimized, and equitable way across all phases and eighty-six sites?"

31 October 2025



Meeting the challenge required that we combine the capabilities of our teams to create a unique offering:

We took good old-fashioned know-how, and grizzled experience...

Combined it with computational wizardry...

And overlaid it with architectural knowledge and organization...

Security Consulting + Computational Design + Architecture

31 October 2025





Bill Daniel – Security Consultant

bill.daniel@arcadis.com

"I help clients figure out where all their weaknesses and vulnerabilities are."

Security System Design

Courthouses

Correctional Facilities

Hospitals

Education Facilities

Selected Projects

Vancouver Law Courts

Nanaimo Correctional Centre

Red Deer Justice Centre

Royal Inland Hospital Patient Care Tower

Kwantlen Polytechnic University – multi campus





Jason King – Principal, Computational Design Lead

jason.king@arcadis.com

"I'm the guy who teaches algorithms to think like planners and designers, and makes complex decisions feel simple."

Selected Projects

Portland Community College Space Optimization

Knoxville College Restoration

UC San Diego Mixed Clinical Research Facility

Carleton University Campus Master Plan

University of Ottawa Health Sciences Building

Affordable Housing Plans for Redmond, Washington and San Diego County

Detroit and Cleveland Complete Walkable Community Plans

City of El Paso Master Plan

Los Angeles County Bus Rapid Transit Vision

Los Angeles Metro Vermont Avenue Transit-Oriented Communities Plan

Gateway Cities Parametric Station Area Scenario Planning

Untitled Residential Tower with Pharrell Williams, Toronto





Jonathan Steel – Architect, Principal-In-Charge

jonathan.steel@arcadis.com

"I curate value propositions and help everyone play nicely in the sandbox."



Rebecca Grant – Principal, Project Manager

rebecca.grant2@arcadis.com

"I oversee the pit crew who ensure we have fresh rubber and full tanks as we speed toward the finish line."



Jay Makar – Architect, Technical Coordination

jay.makar@arcadis.com

"I am a 'process whisperer'. I harmonize project timelines with crossfunctional teams."





Eric Naes – Project Manager, Portland Public Schools

enaes2@pps.net

"I am the calm in the chaos – juggling deadlines, budgets, and contractors to make sure the building goes up, not everyone's blood pressure!"

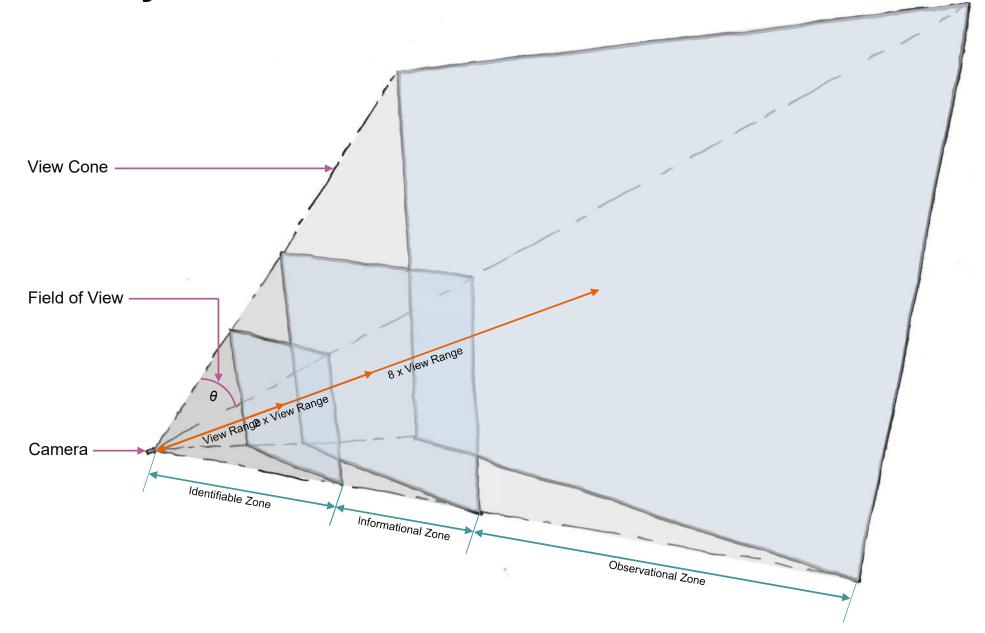


Kate Vaughan – Construction Manager, Portland Public Schools

kvaughan@pps.net

"I make sure the right people show up, the right materials are delivered and installed and nothing catches fire – all before lunch!"





Identifiable Zone

Unobstructed view of a person's face should enable identification of that person.

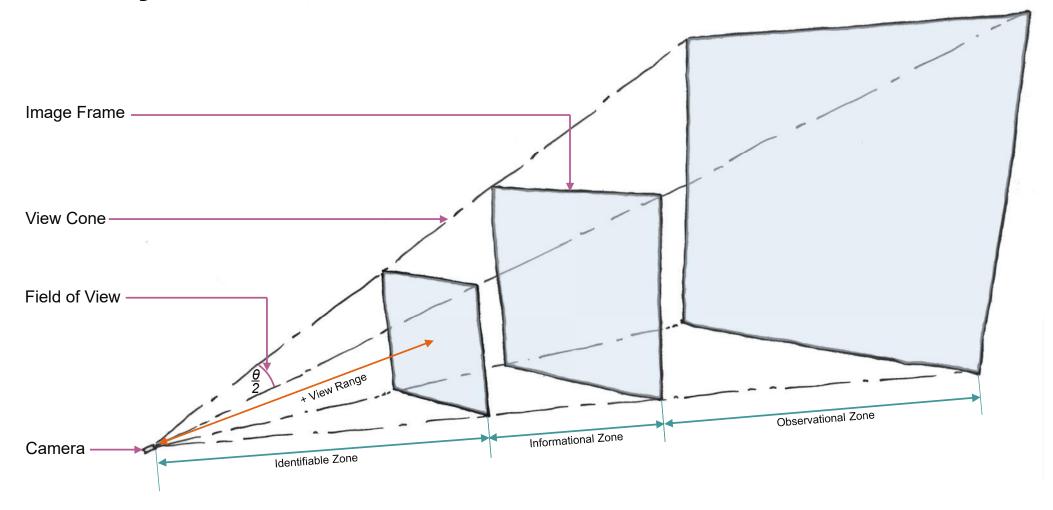
Informational Zone

Characteristics of an individual should be obtainable (height, weight, skin color, hair length, clothing, etc.) that could potentially lead to them being identified.

Observational Zone

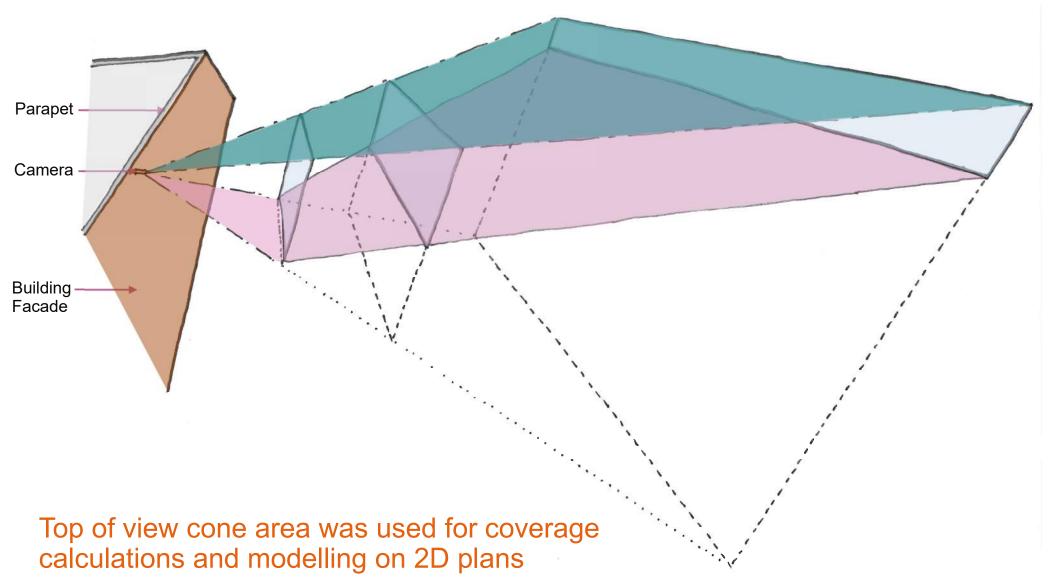
Possible to observe that an 'event' is occurring, but unlikely to retrieve usable information to aid identification.





↑ View Range = ↓ Field of View





Camera Angle typically results from top of view cone being aligned horizontally.

Image Frame is reduced due to intersection of ground plane and view cone.

Ground Plane Coverage Area results from camera angle, field of view, and ground plane

Angled Plane Coverage Area results from view cone and camera angle



Camera Characteristics

TYPE	VIEW RA	NGE (ft)	FIELD OF VIEW (°) Hor / Ver			er	IDENTIFIABLE (x1)	INFORMATIONAL (x2)	OBSERVATIONAL (x8)
Wide Angle	30		102		73		30	60	240
Varifocal	30	75	104	40	74	29	30-75	60-150	240-600
Multisensor	25	35	103	72	103	72	25-35	50-70	200-280
Wide Angle	1	12 105 73		12	24	96			
Varifocal	24.5	31	98	73	73	73	24.5-31	49-62	196-248

Budget Estimates - Camera Supply and Install

TYPE	COST		
Wide Angle	\$4,000		
Varifocal	\$5,000		
Multisensor	\$7,500		

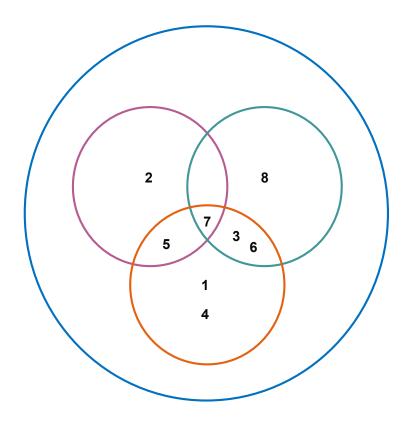


What is Computational Design?

Arcadis' computational design practice develops customizable algorithmic processes—built from parametric modeling, custom coding, GIS, machine learning, and AI—to efficiently and effectively process complex information. Using multiple parameters and datasets as design drivers for evidence-based decision-making, this flexible framework optimizes outcomes across disciplines and empowers project teams with data-informed tools and insights.

1 October 2025





Architecture
Security Consulting
Computational Design
Portland Public Schools

- 1) Develop accurate and detailed site and building plans, verified through site visits to each location
- Investigate recording capacity and methodology at each location
- 3) Plot existing camera positions and view cones on building plans
- 4) Determine an appropriate budget for each school
- 5) Develop interior camera layouts based on District Standards
- 6) Develop exterior camera budget by subtracting interior camera costs for each school
- 7) Create baseline exterior camera layout options
- 3) Create optimized, budget compliant, final layout for exterior cameras balancing multiple variables

1) Develop accurate and detailed site and building plans, verified through site visits to each location

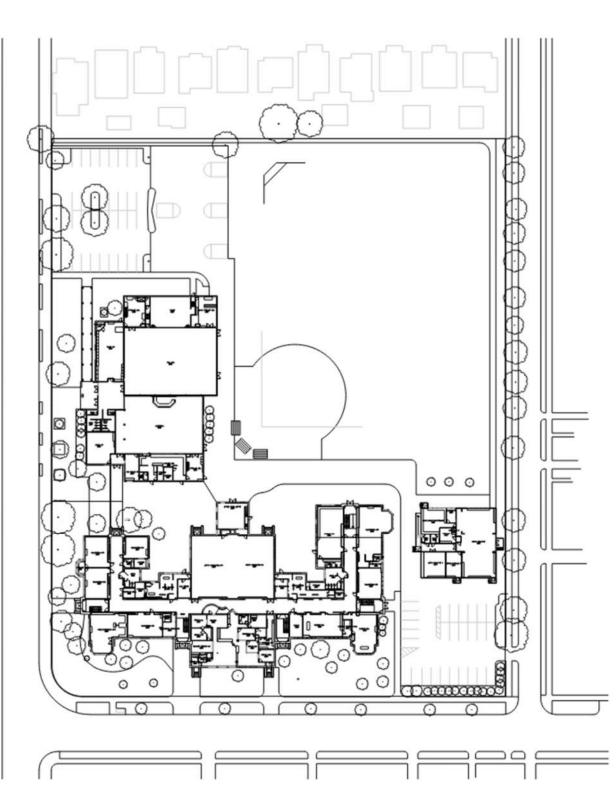














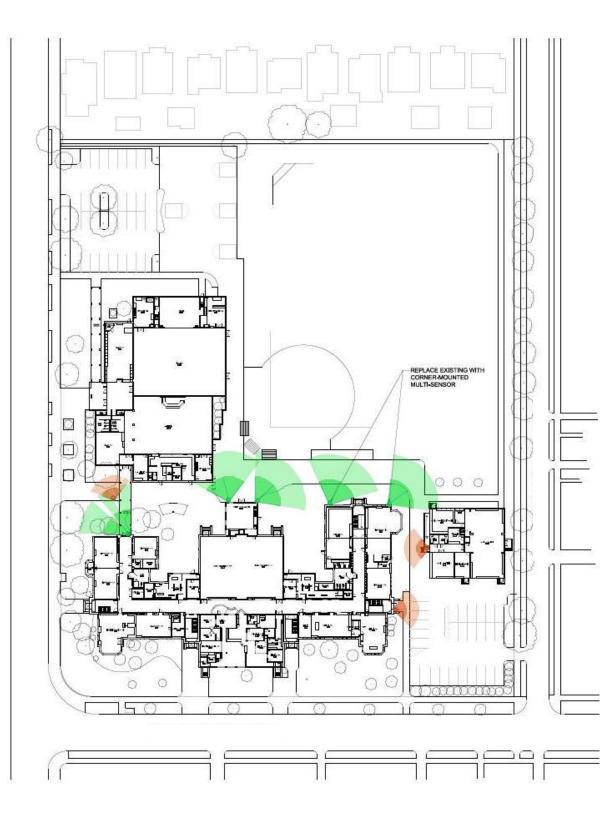
2) Investigate recording capacity and methodology in each location





3) Plot existing camera positions and view cones on building







4) Determine an appropriate budget for each school

Based on the spreadsheet you provided to us on 02/08/23, we are proposing to develop a preliminary budget number for each school, which is aligned with our scope for this project. We notice that the \$1.56/sq.ft. number includes an allowance for additional Exacq controllers, which is not part of our work, and we therefore want to make sure that we do not use an inflated number which will cause challenges downstream. We will therefore use a figure of \$1.44/sq.ft. to develop a budget for us to work to at each school, which includes the cameras, port switches, and a 15% contingency. As such the budget numbers for schools in Phase 1A will be as follows:

Beaumont MS	\$133,290
Roseway Heights	\$149,197
Martin Luther King ES	\$231,536
Lane MS	\$137,091
Ockley Green	\$106,585
George MS	\$109,644
Jefferson HS	\$463,935
Kelly K-5	\$119,890
Woodmere K-5	\$74,735
Harriet Tubman MS	\$126,158

TOTAL Phase 1A \$1,652,061

5) Develop interior camera layouts based on District Standards

Interior Camera Placement Principles

- Gathering Areas
 Lobbies, Gymnasium Stands, Cafeterias
- Bathroom Entries
- Building Entries / Exits
- Currency Exchange Areas
 Ticket Booths, Cafeterias Kiosks
- Areas of Concern
 Identified through consultation with staff





6) Develop exterior camera budget by subtracting interior camera costs for each school

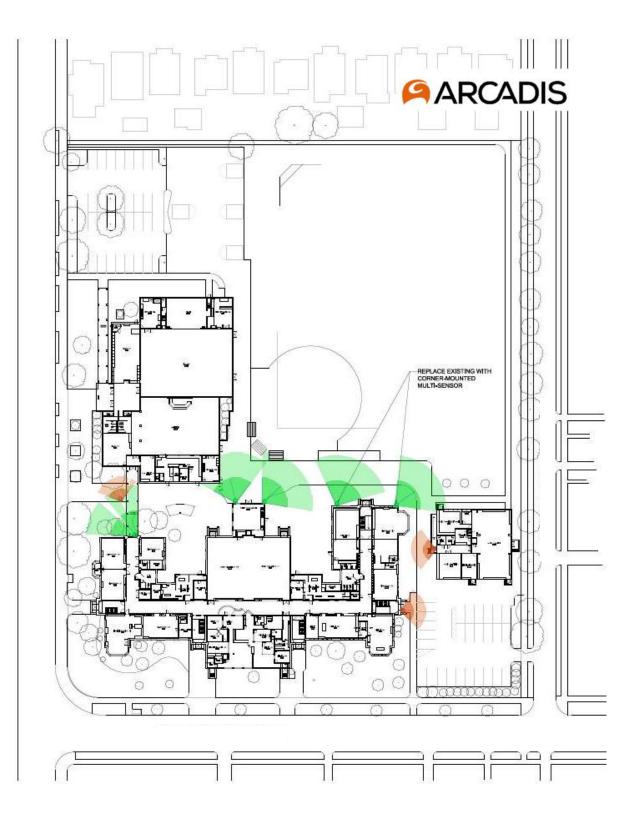
SCHOOL	OVERALL BUDGET	INTERIOR BUDGET	EXTERIOR BUDGET
Beaumont MS	\$133,290	\$103,500	\$29,790
Roseway Heights	\$149,197	\$83,500	\$65,697
Martin Luther King ES	\$231,536	\$76,000	\$155,536
Lane MS	\$137,091	\$76,500	\$60,591
Ockley Green	\$106,585	\$52,000	\$54,585
George MS	\$109,644	\$83,000	\$26,644
Jefferson HS	\$463,935	\$201,500	\$262,435
Kelly K-5	\$119,890	\$30,000	\$89,890
Woodmere K-5	\$74,735	\$40,000	\$34,735
Harriet Tubman MS	\$126,158	\$59,000	\$67,158

7) Create baseline exterior camera layout options

Baseline 1

Utilize the parametric tool to determine existing % coverage of external façade and external parking areas at each school.

SCHOOL	WALL PERIMETER	W	ALL COVERA	GE	PARKING COVERAGE			
SCHOOL	LENGTH (ft)	x1	x2	x8	x1	x2	x8	
Beaumont MS	4,392	1.17%	3.88%	27.50%	0.00%	1.20%	24.97%	
Roseway Heights	1,589	1.25%	4.38%	5.26%	0.00%	0.00%	0.00%	
Martin Luther King ES	1,897	2.00%	5.68%	15.88%	9.36%	33.74%	99.90%	
Lane MS	1,976	1.15%	2.13%	5.32%	0.00%	0.00%	0.00%	
Ockley Green	2,188	0.18%	3.26%	7.96%	0.00%	0.00%	0.00%	
George MS	2,561	0.24%	1.34%	1.81%	0.00%	0.00%	0.00%	
Jefferson HS	3,758	2.20%	3.93%	7.91%	0.00%	0.00%	95.75%	
Kelly K-5	3,212	1.82%	3.81%	17.86%	0.41%	5.71%	12.40%	
Woodmere K-5	1,973	0.60%	1.00%	10.71%	0.00%	0.00%	0.00%	
Harriet Tubman MS	1,358	2.03%	6.10%	19.77%	0.00%	0.00%	1.59%	



7) Create baseline exterior camera layout options

Baseline 2

Utilize human expertise to develop a proposed layout of external cameras and use the parametric tool to determine the % of coverage it achieves.

SCHOOL	WA	LL COVER/	AGE	PARK	ING COVE	RAGE	EXTERIOR CAMERA	EXTERIOR CAMERA	BUDGET
CONTOCE	x1	x2	x8	x1	x2	x8	COST BUDGET		DELTA
Beaumont MS	26.69%	47.43%	80.52%	5.04%	38.22%	100.00%	\$79,000	\$29,790	(\$49,210)
Roseway Heights	31.54%	60.83%	81.98%	0.00%	4.23%	100.00%	\$60,000	\$65,697	\$5,697
Martin Luther King ES	29.65%	53.84%	79.39%	29.70%	87.52%	93.34%	\$63,000	\$155,536	\$92,536
Lane MS	11.54%	32.49%	46.32%	8.36%	21.79%	59.69%	\$49,000	\$60,591	\$11,591
Ockley Green	19.37%	50.50%	79.10%	29.67%	95.72%	100.00%	\$56,500	\$54,585	(\$1,915)
George MS	21.86%	37.97%	55.50%	9.25%	31.82%	99.78%	\$64,500	\$26,644	(\$37,856)
Jefferson HS	15.29%	32.25%	58.53%	0.00%	0.00%	100.00%	\$68,500	\$262,435	\$193,935
Kelly K-5	11.99%	26.21%	75.48%	7.39%	37.50%	76.69%	\$56,500	\$89,890	\$33,390
Woodmere K-5	18.52%	35.04%	70.07%	12.76%	41.71%	100.00%	\$43,000	\$34,735	(\$8,265)
Harriet Tubman MS	32.27%	53.49%	83.43%	12.91%	62.05%	96.09%	\$46,500	\$67,158	\$20,658

\$260,561 under budget, 28.97% off coverage target



7) Create baseline exterior camera layout options

Baseline 3

Ignore budget and use the parametric tool to develop a 100% coverage layout.

SCHOOL	WA	LL COVER	AGE	PARK	ING COVE	RAGE	EXTERIOR CAMERA	EXTERIOR CAMERA	BUDGET
SCHOOL	x1	x2	x8	x1	x2	x8	COST	BUDGET	DELTA
Beaumont MS	48.56%	81.37%	99.78%	5.04%	29.38%	100.00%	\$120,000	\$29,790	(\$90,210)
Roseway Heights	42.37%	78.19%	100.00%	0.00%	5.45%	100.00%	\$75,000	\$65,697	(\$9,303)
Martin Luther King ES	45.50%	78.57%	100.00%	29.78%	91.02%	99.99%	\$90,000	\$155,536	\$65,536
Lane MS	37.19%	64.82%	99.25%	2.79%	44.39%	99.87%	\$82,500	\$60,591	(\$21,909)
Ockley Green	38.17%	74.78%	97.77%	29.68%	95.70%	100.00%	\$90,000	\$54,585	(\$35,415)
George MS	39.56%	70.78%	96.82%	13.58%	43.37%	99.97%	\$105,000	\$26,644	(\$78,356)
Jefferson HS	28.04%	52.11%	96.16%	0.00%	0.00%	100.00%	\$127,000	\$262,435	\$135,435
Kelly K-5	27.58%	56.46%	96.52%	5.30%	27.29%	100.00%	\$112,500	\$89,890	(\$22,610)
Woodmere K-5	25.86%	47.04%	99.26%	0.00%	10.78%	100.00%	\$67,500	\$34,735	(\$32,765)
Harriet Tubman MS	41.07%	68.93%	99.64%	35.39%	84.21%	99.65%	\$67,500	\$67,158	(\$342)

\$89,939 over budget, 1.48% off coverage target



7) Create baseline exterior camera layout options

Baseline 4

Take the district budget per school and use the parametric tool to create an optimized layout within budget.

SCHOOL	WA	LL COVER	AGE	PARK	ING COVE	RAGE	EXTERIOR CAMERA	EXTERIOR CAMERA	BUDGET	
SOLIOOF	x1	x2	x8	x1	x2	x8	COST	BUDGET	DELTA	
Beaumont MS	34.37%	47.67%	60.75%	0.00%	1.20%	65.54%	\$27,000	\$29,790	\$2,790	
Roseway Heights	36.14%	68.22%	98.13%	0.00%	7.39%	100.00%	\$53,000	\$65,697	\$12,697	
Martin Luther King ES	43.34%	72.06%	98.69%	13.73%	49.17%	99.94%	\$77,500	\$155,536	\$78,036	
Lane MS	31.16%	51.76%	96.48%	5.24%	28.98%	99.56%	\$57,500	\$60,591	\$3,091	
Ockley Green	29.46%	54.69%	83.93%	22.68%	74.07%	99.93%	\$53,000	\$54,585	\$1,585	
George MS	12.13%	20.68%	48.11%	9.23%	23.95%	53.47%	\$26,500	\$26,644	\$144	
Jefferson HS	32.52%	53.91%	94.88%	0.00%	0.00%	100.00%	\$105,000	\$262,435	\$157,435	
Kelly K-5	38.75%	59.94%	96.66%	3.30%	23.58%	100.00%	\$87,000	\$89,890	\$2,890	
Woodmere K-5	16.75%	28.82%	87.19%	0.00%	3.71%	100.00%	\$34,000	\$34,735	\$735	
Harriet Tubman MS	45.00%	62.86%	100.00%	25.68%	84.14%	99.55%	\$45,000	\$67,158	\$22,158	

\$281,561 under budget, 13.52% off coverage target





7) Create baseline exterior camera layout options

Baseline 5

Identify surplus budget from Baseline 4 layouts and reallocate proportionally, based on amount of uncovered perimeter at each school.

SCHOOL	WALL PERIMETER	WA	LL COVER	AGE	UNCOVERED PERIMETER	PARK	ING COVE	RAGE	BL4 SURPLUS	BUDGET	INTERIOR CAMERA	ORIGINAL EXTERIOR	REALLOCATED EXTERIOR	REVISED EXTERIOR
SCHOOL	LENGTH (ft)	x1	x2	x8	LENGTH (ft)	x1	x2	х8	BUDGET		BUDGET	CAMERA BUDGET	CAMERA BUDGET	CAMERA BUDGET
Beaumont MS	4,392	34.37%	47.67%	60.75%	1,724	0.00%	1.20%	65.54%	\$2,790	\$133,290	\$103,500	\$29,790	\$118,937	\$145,937
Roseway Heights	1,589	36.14%	68.22%	98.13%	30	0.00%	7.39%	100.00%	\$12,697	\$149,197	\$83,500	\$65,697	\$2,050	\$55,050
Martin Luther King ES	1,897	43.34%	72.06%	98.69%	25	13.73%	49.17%	99.94%	\$78,036	\$231,536	\$76,000	\$155,536	\$1,715	\$79,215
Lane MS	1,976	31.16%	51.76%	96.48%	70	5.24%	28.98%	99.56%	\$3,091	\$137,091	\$76,500	\$60,591	\$4,799	\$62,299
Ockley Green	2,188	29.46%	54.69%	83.93%	352	22.68%	74.07%	99.93%	\$1,585	\$106,585	\$52,000	\$54,585	\$24,259	\$77,259
George MS	2,561	12.13%	20.68%	48.11%	1,329	9.23%	23.95%	53.47%	\$144	\$109,644	\$83,000	\$26,644	\$91,687	\$118,187
Jefferson HS	3,758	32.52%	53.91%	94.88%	192	0.00%	0.00%	100.00%	\$157,435	\$463,935	\$201,500	\$262,435	\$13,275	\$118,275
Kelly K-5	3,212	38.75%	59.94%	96.66%	107	3.30%	23.58%	100.00%	\$2,890	\$119,890	\$30,000	\$89,890	\$7,402	\$94,402
Woodmere K-5	1,973	16.75%	28.82%	87.19%	253	0.00%	3.71%	100.00%	\$735	\$74,735	\$40,000	\$34,735	\$17,438	\$51,438
Harriet Tubman MS	1,358	45.00%	62.86%	100.00%	0	25.68%	84.14%	99.55%	\$22,158	\$126,158	\$59,000	\$67,158	\$0	\$45,000

TOTALS 4081 \$281,561 \$1,652,061 \$847,061 \$281,561 \$847,061

31 October 2025

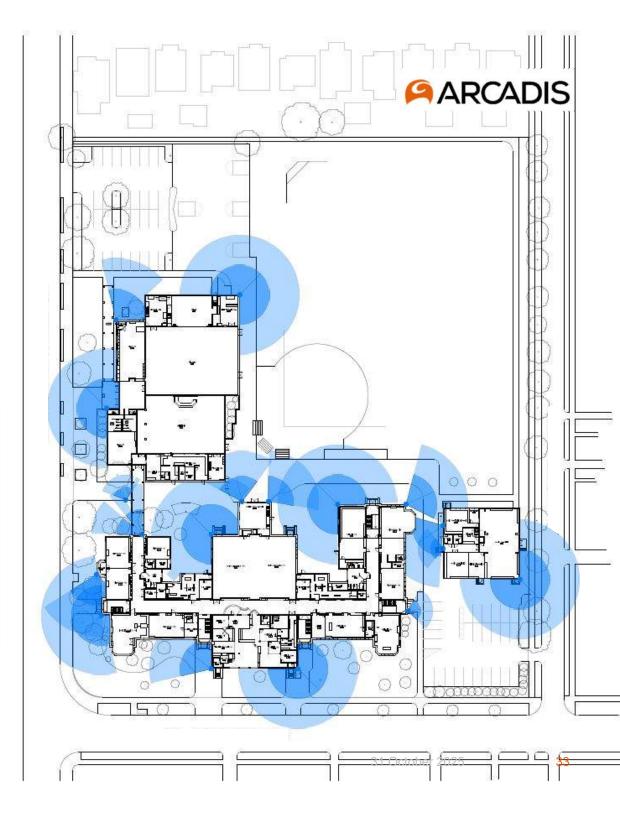
7) Create baseline exterior camera layout options

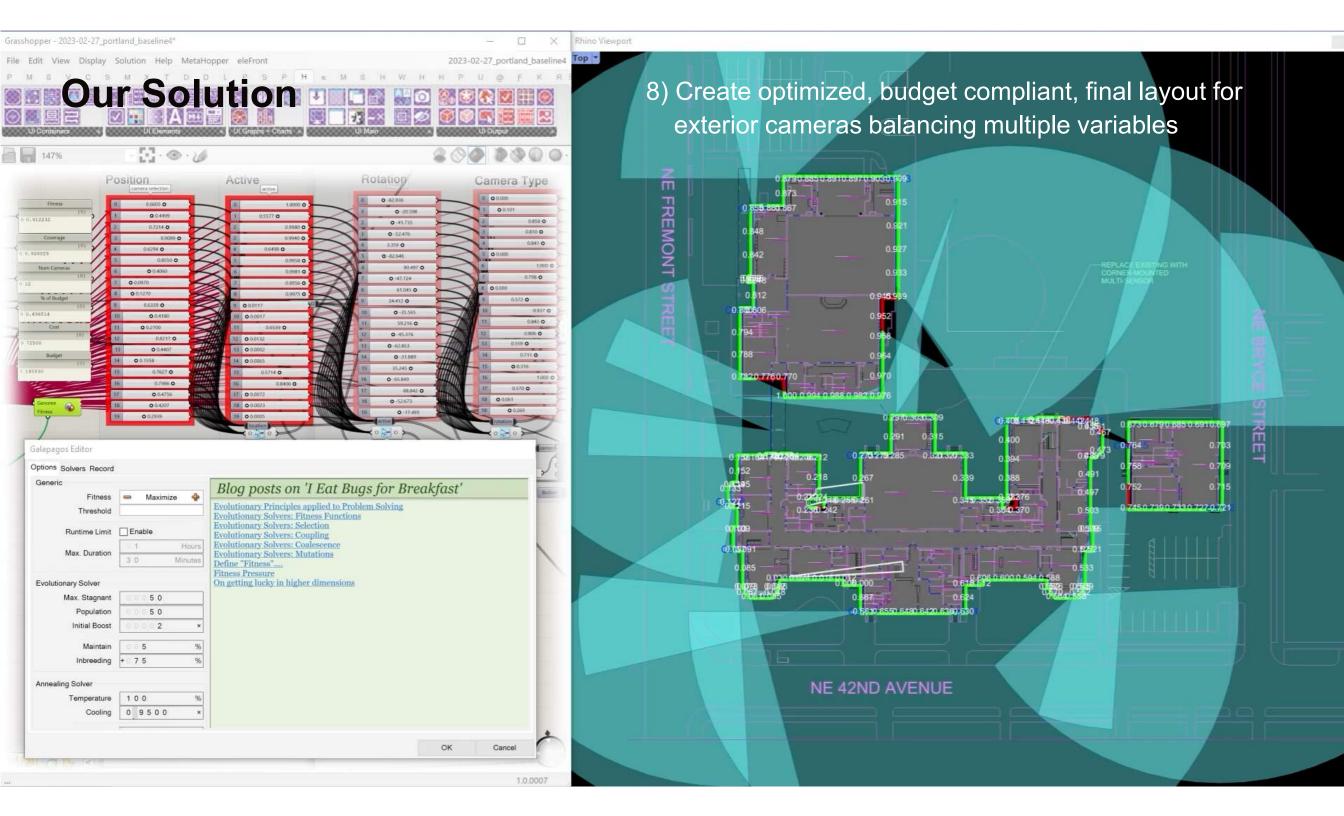
Baseline 5

Use the parametric tool to generate layouts within revised budgets for schools receiving additional funds.

SCHOOL	WA	LL COVER	AGE	PARKING COVERAGE			EXTERIOR CAMERA	EXTERIOR CAMERA	BUDGET
SCHOOL	x1	x2	x8	x1	x2	x8	COST	BUDGET	DELTA
Beaumont MS	48.78%	71.62%	97.34%	1.18%	11.57%	100.00%	\$72,500	\$145,937	\$73,437
Roseway Heights	36.14%	68.22%	98.13%	0.00%	7.39%	100.00%	\$53,000	\$55,050	\$2,050
Martin Luther King ES	43.34%	72.06%	98.69%	13.73%	49.17%	99.94%	\$77,500	\$79,215	\$1,715
Lane MS	31.16%	51.76%	96.48%	5.24%	28.98%	99.56%	\$57,500	\$62,299	\$4,799
Ockley Green	39.29%	72.99%	94.42%	25.64%	91.70%	99.94%	\$76,000	\$77,259	\$1,259
George MS	33.60%	63.02%	97.22%	9.23%	25.66%	99.73%	\$73,500	\$118,187	\$44,687
Jefferson HS	35.34%	58.26%	97.31%	0.00%	0.00%	100.00%	\$117,500	\$118,275	\$775
Kelly K-5	38.90%	59.94%	97.39%	2.88%	17.87%	98.28%	\$91,000	\$94,402	\$3,402
Woodmere K-5	24.14%	41.63%	100.00%	0.00%	3.71%	100.00%	\$45,500	\$51,438	\$5,938
Harriet Tubman MS	45.00%	62.86%	100.00%	25.68%	84.14%	99.55%	\$45,000	\$45,000	\$0

\$138,061 under budget, 2.3% off coverage target







Outcomes

- Phase 1(A) was used as our experimental test bed
- It served to provide confidence in the effectiveness of the parametric tool
- In subsequent phases we were able to reduce the number of baselines (1, 4, 5)
- Our methodology enabled us to develop a budget based on perimeter length, rather than sq.ft.
- Perimeter length is a better indicator of budgetary need for exterior cameras
- The surplus budget has been reinvested into other security upgrades to various campuses
- The approach developed on this project has been used successfully on numerous other projects now
- The Security Consulting team have gone from being early skeptics to keen advocates
- Most at the district (outside the immediate PM team) have no idea how we achieved these outcomes
- The process adapted to a new contractor and camera supplier between phases without missing a beat



Outcomes

	PROJECT BUDGET	COMMITMENTS	ESTIMATE AT COMPLETION
Phase 1 (6245)	\$5,049,473	\$2,508,745	\$2,508,745
Phase 2A (6317)	\$2,817,500	\$1,522,255	\$1,522,255
Phase 2B (6340)	\$2,817,500	\$1,586,545	\$1,586,545
Phase 3A (6381)	\$1,659,989	\$1,140,654	\$1,140,654
Phase 3B (6422)	\$2,523,805	\$2,246,027	\$2,246,027
Phase 3C (6437)	\$2,801,305	\$1,471,966	\$1,552,332

TOTALS \$17,669,572 \$10,476,192 \$10,556,558

With 5 of 6 phases complete, the project is on schedule and 40% under budget



"Working with Arcadis as our project Architect on the 2020 Security Bond project has been a truly positive experience. From the start, their team demonstrated exceptional professionalism, creativity, and a deep understanding of our district's security needs. The "Parametric" process was efficient, collaborative, and well-managed — keeping the project on schedule and within budget."

"The final result exceeded our expectations. They were able to take the needs of our Security Services team, our design standards as well as each individual schools needs to create a functional and safe environment for the students and staff. We're proud of what was accomplished and grateful for the role Arcadis played in making it a success."

Eric Naes, Project Manager, Office of School Modernizations – Portland Public Schools

© Arcadis 2024 31 October 2025

