



NIC PARTNERS

Employee Built. Employee Owned.

HLPUSD - IT Infrastructure Upgrade Project

Board Meeting Presentation | January 23, 2025

- NIC Partners in collaboration with the HLPUSD IT Team, is excited to present the work (both completed and planned) on the HLPUSD IT Infrastructure Upgrade Project.
- The purpose of this project is to ensure that the proposed solution will not only meet, but exceed the District's needs and expectations with below pillars
 - **Physical Infrastructure**
 - **Network Infrastructure**
 - **Wired and Wireless Networks**
 - **VoIP / Collaboration**
 - **Network Security**
 - **Campus and Student Safety**

- **Physical Infrastructure**

- Solution components and benefits

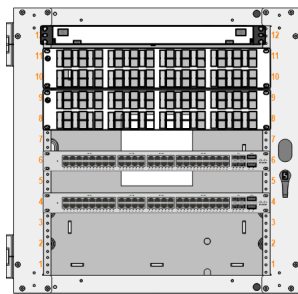
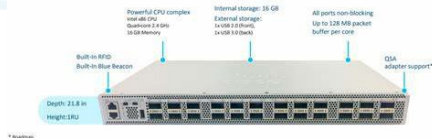
- Cabinets
 - Fiber backbone cabling
 - Copper cabling
 - Uninterruptible power supplies

- **Switches**

- Solution components and benefits

- Cisco Catalyst 9500 core switches
 - Meraki MS355-48X-HW switches

Introducing the Catalyst 9500 Series
Powering the next generation; fixed campus core and aggregation



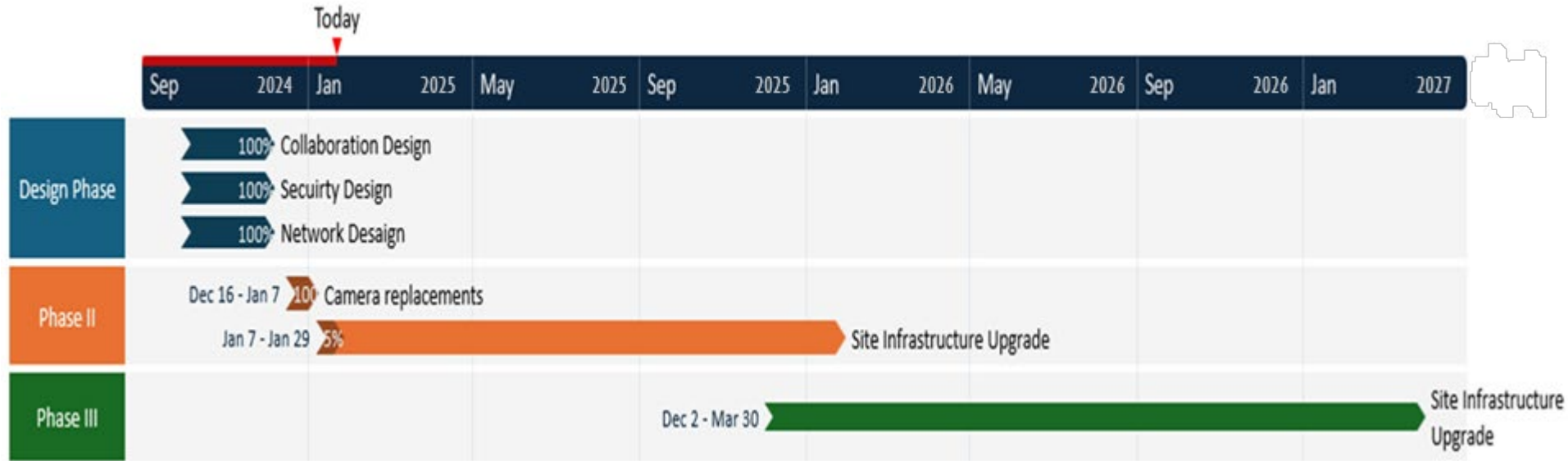
- **VoIP / Collaboration**
 - Solution components and benefits
 - Cisco on-premises CallManager / Unity Connection
 - Cisco Catalyst 8200L voice routers
 - Cisco IP phones (DP-9841, CP-7821)



- **Network Security**
 - Solution components and benefits
 - Cisco Firepower 4145 firewall + Firepower Management Center 2700
 - Cisco Secure Client
 - Cisco ISE
- **Campus and Student Safety**
 - Solution components and benefits
 - Meraki MV cameras
 - Plate Recognizer (LPR)
 - Atlas IP speakers
 - Singlewire Informacast Fusion
 - Fusion on-site appliances



High Level Schedule



- **Project Initiation**
(August - December)
 - Kick-Off Meeting / Discussions
 - High-level Project review
 - Equipment Orders
 - Design Phase
 - Network
 - Security
 - Phone System
 - Site Visits / Maps
 - Equipment Deliveries Start
 - Esser Funding

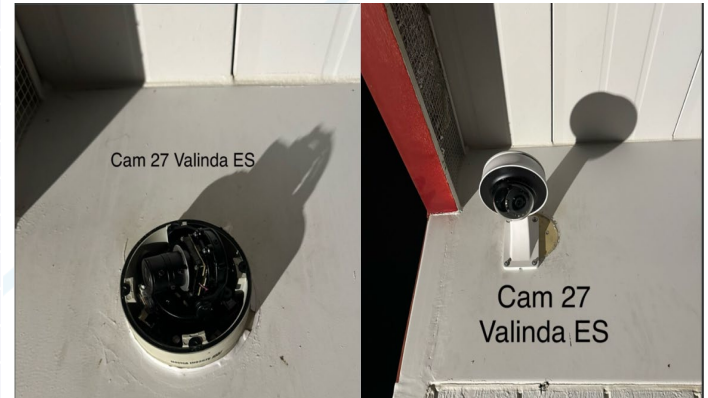


- School Site Visits
(August 26th – October 2nd)
 - Camera Placement
 - Existing, Moves, and New
 - Outdoor Wireless Access Points
 - Outdoor Speakers/Horns
- Site Visits included
 - IT Members
 - Site Admins
 - School Police
 - NIC Partners Team
- Lots of Sunscreen!

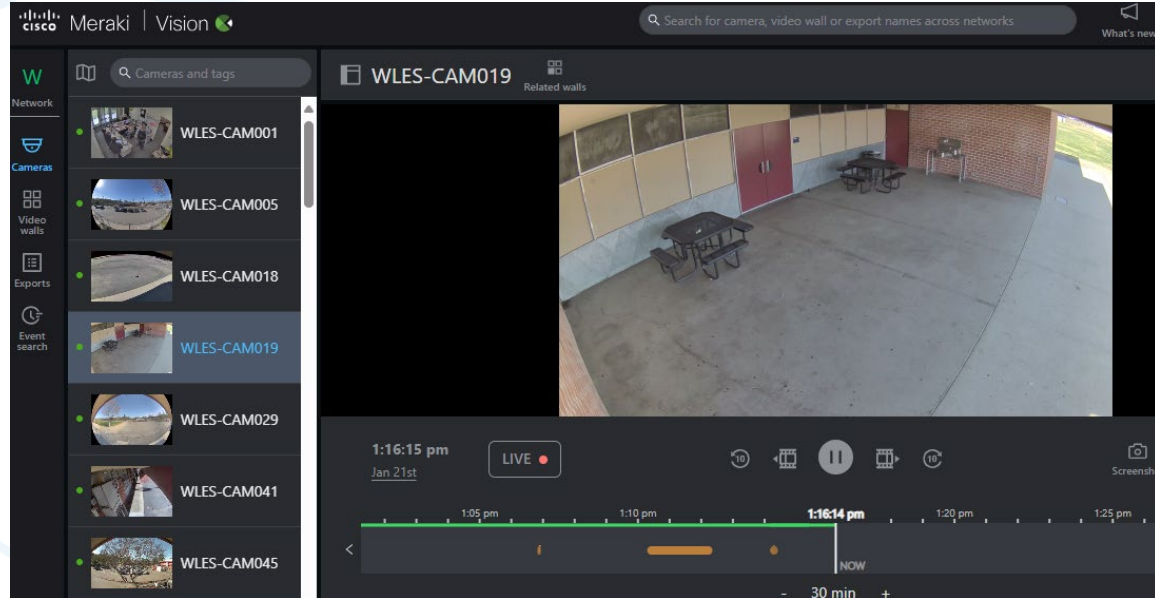


- Phase I- Camera Deployment (Completed January 6th)
 - Existing Camera Replacements
 - New and Moving Cameras (Next Phase)
- Equipment Staging for Next Phase

Grazide ES	Amar Children's	Dibble Adult
Grandview	Newton MS	California ES
DO	Willow Adult	Wing Lane ES
Kwis ES	Lassalette ES	Palm ES
Sparks MS	Los Altos ES	Sierra Vista MS
Los Molinos ES	Cedar Ln., Academy	Orange Grove MS
Los Altos HS	Mesa Robles MS	Fairgrove Academy
La Puente HS	Valley Alt. HS	Baldwin Academy
Wilson HS	Workman ES	M & O facilities
Workman HS	Stimpson LC	Hudson Alt
Nelson Elementary	Valinda School of Academics	Sparks Elementary



- New Camera Interface
 - Permissions Granted to Site Admin
 - Single Sign-On (SSO)
- Camera Install Counts
 - Phase I – 260
 - Phase II – 469
 - Phase III – 829
 - Total Cameras – 1,558
 - Previous System – 935
 - That is an additional 623 cameras district-wide.



- Deployment
 - Equipment Delivery - 90% Delivered
 - Phase II Infrastructure upgrade
 - Kwis
 - Started on: 1/7/2025
 - Copper Cabling – 90% completed
 - Fiber – 5% completed
 - ETA Completion: 3/21/2025
 - Grandview
 - Started on: 1/7/2025
 - Copper Cabling – 90% completed
 - Fiber – 5% completed
 - ETA Completion: 4/11/2025



"The Grizzly Way!"

- Deployment
 - Phase II Infrastructure upgrade
 - Site Upgrade–
 - District Office
 - Los Altos High School
 - Glen Wilson High School
 - Sparks Middle School
 - Willow Adult
 - Los Molinos Elementary
 - Cedarlane Academy
 - Amar Children’s Center
 - Valinda School of Academics
 - Newton Middle School

- Deployment

- Phase III Infrastructure upgrade

- Site Upgrade – ETA start: Monday, December 2, 2025

- Newton Middle School
 - Dibble Adult Ed
 - Stimson LC
 - Lassalette
 - Workman High School
 - La Puente High School
 - Los Altos Elementary
 - M&O Facilities
 - Hudson
 - Nelson Elementary
 - Mesa Robles
 - Valley Alt High School
 - Workman Elementary
 - California Elementary
 - Wing Lane Elementary
 - Palm Elementary
 - Sierra Vista Middle School
 - Orange Grove Middle School
 - Fairgrove Academy
 - Sparks Elementary
 - Baldwin Academy
 - Grazide Elementary

