SITE DATA
Year Built: 2004
• Portable Addition: 2006
Year Modernized:
Student Population (2017 – 2018):
Capacity:
Utilization: 640 (28-35 Students per Classroom)

PRINCIPAL PRIORITIES
1. Updated track and playfields.
2. On site cameras need to be on site and operating 24/7.
3. The design of the drive-way in front of the school needs updating and we need a school sign.

Program Support Needs
• One classroom is open.
• Assembly space too small. Kids sit on floor.
• Teaching kitchen.
• Computer classrooms okay. Desktop computers are old, but library uses Chromebooks.
• J-Wing for Special Ed working very well.
• Would like to use Teaching Kitchen for General Education.
• More Co-Lab, flex space, and student lounge space desired.

Functionality of Space
• Classrooms updated. Good.
• Dedicated entrance for counselor would be good. Two offices + psychiatrist.
• Staff and admin spaces adequate.
• PE space is okay. There is a smell which comes and goes at random. School has not been able to find the source. Started in girls' restroom, now migrated to boys'.
• Rodent control is an issue due to adjacent farming.
• MPR is overutilized after hours. Used heavily for PE, kind of fitness room.

4000 E Covell Boulevard, Davis | www.harper.djusd.net

CATEGORY:
[0] No Work
[1] Minor Work
[2] Minor Modernization
[3] Standard Modernization
[4] Major Modernization / Reconfiguration
[5] Complete Replacement

Parking
Category [-]
• The drop of driveway design does not support safe pick up and student drop-off. And the bus
• Top is out on Covel Blvd. which is very busy with traffic.

Concrete Paving
Category [0]
• In general, in good condition throughout campus.

AC paving
Category [1]
• In general, in good condition throughout campus. Some uneven surfaces transition to concrete walks in parking lot and at portables. Cracking, uneven transitions at metal covers in hard court areas.

Ramps & Stairs
Category [-]

Site Amenities
Drinking Fountains
Category [2]
• Some drinking fountains don't meet current code requirements. Bottle fill stations available.

Shade Shelter
Category [0]
• No existing shade structures on campus.

Bike Area
Category [0]
• No issues reported.

Covered Walkways
Category [-]

Athletic Fields & Facilities
Category [0]
• No issues reported.

Landscape
Category [0]
• No issues reported.

Irrigation
Category [0]
• No issues reported.

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Fencing & Gates
Category [0]
- No issues reported.

ASSESSMENT OF BUILDINGS
Exterior
Overall Rating: Category [-]

Paint
Category [0]
- Exterior paint is in good condition throughout campus.

Door / Frames / Locks
Category [0]
- No issues reported.

Windows
Category [0]
- No issues reported.

Roof
Category [0]
- No access to roofs and no issues were reported.

ADA Compliance
Category [1]
- Detectable domes at transition to traffic missing in parking lot. Some door thresholds appear to be non-code compliant.

Interior
Overall Rating: Category [-]

Food Service
Category [0]
- The student lines are long and have to wind into the cement table area.

Restrooms
Category [0]
- No issues reported.

ASSESSMENT OF SYSTEMS
Site Utilities
Domestic Water
Category [0]
- No issues reported.

Fire Protection
Category [0]
- No issues reported.

Gas
Category [0]
- No issues reported.

Sewer
Category [0]
- No issues reported.

Storm Drain / Drainage
Category [0]
- No issues reported.

Downspouts / Roof Overflows
Category [1]
- Roof overflow pipes are open where daylighting at exterior wall. Trash and debris are clogging pipe preventing proper operation. A grate would prevent students to access to the pipes.

Mechanical
Overall Rating: Category [5]
Plumbing
Category [0]
- No issues reported.

Electrical Power
Category [-]
- Campus is ~16 years old. Equipment in good shape.
- Campus has PV
- Siemens, cutler-hammer, and others (no standard manuf.)
- Voltage-277/480A-3-phase
- T8 lights throughout
- No preferred lighting and controls venders

Fire Alarm
Category [-]
- Manual pull stations
- Smoke detectors and alarms – verify full coverage, likely not automatic
- No fire sprinklers – verify as-builts
- Gamewell is the preferred manufacturer
- Integrated Fire System – preferred vendor/consultant
- Fiber to all sites – verify as-builts

Technology - Overall Site
- Campus Distribution for Telecommunications – The campus has a conduit infrastructure which supports a Main Distribution Frame (MDF) in the Library building, along with dedicated Intermediate Distribution Frames (IDF) per building. Conduit infrastructure is ran on the canopies from building to building. No additional conduit infrastructure is needed to support low voltage infrastructure systems. Existing fiber optic backbone cabling is 62.5um along with copper backbone from MDF to each IDF room. All backbone cabling needs to be replaced.
- Recommendation: Upgrade fiber optic backbone cable to 50um (OM3) and single mode (OS2) from MDF to each IDF to obtain network speed/bandwidth and future growth [4]

Exterior Paging System
Category [0]
- Exterior PA speakers are on campus

Exterior Security Cameras
Category [0]
- Campus currently does not have security cameras. None are required

Exterior Wireless Access Points
Category [3]
- Campus currently does not have exterior wireless access points

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FACILITY CONDITION ASSESSMENT
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CATEGORY:

- **[0]** No Work
- **[1]** Minor Work
- **[2]** Minor Modernization
- **[3]** Standard Modernization
- **[4]** Major Modernization / Reconfiguration
- **[5]** Complete Replacement

Building Systems:

MDF
- Three floor standing data racks with ladder racking and wire managers. No Telecommunications Main Grounding Busbar (TMGB). Poor cable management. CAT5 network cabling to all workstations. Room has dedicated cooling. No master clock system. No proper grounding and bonding. Security Camera system no longer functional. No Intrusion detection system. All horizontal cabling is in surface mounted wiremold in classrooms and corridor.

Provide Telecommunication Main Grounding Busbar (TMGB) [4].
Provide dedicated cooling 24/7 [5]
Upgrade fiber optic backbone cabling to multimode 50um (OM3) and single mode (OS2) [4]

Data/Voice
Category [5]
- Full VoIP CAT6A structured cabling
- Full wireless coverage

Intercom/PA/Clock
Category [0]
- Carehawk System

CATV
Category [0]

Intrusion Detection
Category [5]
- Honeywell System
- Administration, Gymnasium, Computer Lab, Library

Security Camera
Category [0]

Access Control
Category [5]
- All doors

Audio Visual
Category [4]
- Reason for sound system issues is Library may be the location of the speakers. Acoustics are muffled.
- Sound in Library is dead.
- Classroom room technology, Interactive boards.
- Conference rooms, flat screen TV's
- Culinary Arts Video Streaming
- Digital Menu Boards (60" min.)

Assistive Listening System
Category [4]

Lighting
Category [-]

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FACILITY CONDITION ASSESSMENT
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Flag Pole & Drop- Lane

Drop-Off Lane

Parking

Door Transition

Hardcourts

Ramps / Stairs

Quad

Bench Seating

Covered Lunch Area

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Windows

Exterior Door Hardware

Multi-Purpose Room

Drinking Fountain

Bottle Filling Station

Teaching Station / Presentation Technology
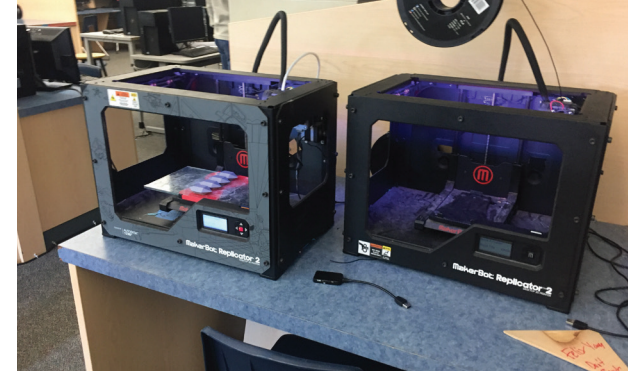

Music Room

Science Lab

Maker Lab

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Art

CNC Machine

3d Printing

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Classrooms, CR
ELA - English Language Arts, FLA - Foreign Language
INC - Inclusion, MA - Math, MI - Math Intervention
R - Reading Intervention, SS - Social Studies
TA - Teaching Assistant

Electives / Labs
CS - Computer Science, HE - Home Economics
P - Practice, SCI - Science, TECH - Technology
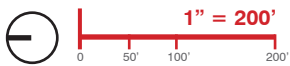WD - Woodshop, WT - Weight Room

Student Services
CO - Counseling, ED - Emotionally Disturbed
EL - English Learners, INTV - Intervention
OT - Occupational Therapy, PSY - Psychology
SP - Speech, RSP - Resource Specialist Program

Shared Spaces
LC - Learning Center, LIB - Library
LR - Locker Room (G - Girls, B - Boys)
MPR - Multi-Purpose Room

Admin / Faculty
FW - Faculty Work, FL - Faculty Lounge,
O - Office, CF - Conference Room

Support Spaces
X - Storage, T - Toilets, U - Utility,
J - Janitor, K - Kitchen

- - - Portable Classrooms
☆ Main Entry
- -> Drop-Off
● Electrical Transformer

E COVELL BLVD.

1" = 200'
0   50'   100'   200'

SECTION 5

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EXISTING CAMPUS PLAN
HARPER JUNIOR HIGH - OVERALL

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Classrooms, CR
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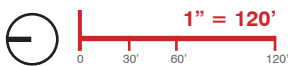WD - Woodshop, WT - Weight Room

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J - Janitor, K - Kitchen

☐ Portable Classrooms

☆ Main Entry

╌╌► Drop-Off

● Electrical Transformer

1" = 120'

0   30'   60'   120'

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EXISTING CAMPUS PLAN
HARPER JUNIOR HIGH - ENLARGED

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Classrooms, CR
ELA - English Language Arts, FLA - Foreign Language
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R - Reading Intervention, SS - Social Studies
TA - Teaching Assistant

Electives / Labs
CS - Computer Science, ENG - Engineering
HE - Home Economics, MKR - Maker
P - Practice, SCI - Science, TECH - Technology
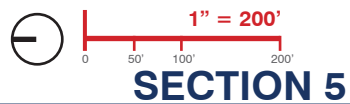WD - Woodshop, WT - Weight Room

Student Services
AC - Academic Center, CO - Counseling
ED - Emotionally Disturbed
EL - English Learners, INTV - Intervention
LRC - Learning Resource Center
OT - Occupational Therapy, PSY - Psychology
SP - Speech, RSP - Resource Specialist Program

Shared Spaces
CNTY - County, LC - Learning Center
LIB - Library, LR - Locker Room (G - Girls, B - Boys), MPR - Multi-Purpose Room
TM - Team Room, TR - Training Room

Admin / Faculty
FW - Faculty Work, FL - Faculty Lounge,
O - Office, CF - Conference Room

Support Spaces
FS - Food Service / Concessions
X - Storage, T - Toilets, U - Utility,
J - Janitor, K - Kitchen

┈ ┈ ┈ Portable Classrooms

☆ Main Entry

➡ Drop-Off

● Electrical Transformer

Outdoor Learning / Playfields

Rubberized Surface

Hardcourts

Parking Lot

⊠ NO WORK

■ MODERNIZATION

▨ RECONFIGURE

□ NEW CONSTRUCTION

1" = 200'

0   50'   100'   200'

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PROPOSED CAMPUS MASTER PLAN
HARPER JUNIOR HIGH - OVERALL

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E COVELL BLVD.

Classrooms, CR
ELA - English Language Arts, FLA - Foreign Language
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Electives / Labs
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J - Janitor, K - Kitchen

Portable Classrooms

Main Entry

Drop-Off

Electrical Transformer

Outdoor Learning / Playfields

Rubberized Surface

Hardcourts

Parking Lot
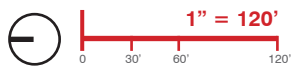
NO WORK

MODERNIZATION

RECONFIGURE

NEW CONSTRUCTION

1" = 120'

0   30'   60'   120'

SECTION 5

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PROPOSED CAMPUS MASTER PLAN
HARPER JUNIOR HIGH - ENLARGED

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SCOPE OF WORK CATEGORIES	MASTER PLAN COST (2018$)	GROUP 1 SCOPE	GROUP 2 SCOPE
1. Modernize / Reconfigure Existing Classrooms	$ -	$ -	$ -
2. Existing Building Systems, Toilets & Improved Energy Efficiency	$ 55,000	$ 54,000	$ -
3. Site Utilities & Infrastructure	$ -	$ -	$ -
4. New Construction (Classrooms)	$ 4,440,000	$ -	$ -
5. Elementary STEM & JrHS/HS Science Programs	$ -	$ -	$ -
6. JrHS/HS Electives Improvements	$ -	$ -	$ -
7. Music, Drama & Performing Arts Improvements	$ -	$ -	$ -
8. MPR, Student Union & Food Service Improvements	$ -	$ -	$ -
9. Physical Education Improvements	$ -	$ -	$ -
10. Staff & Community Support	$ -	$ -	$ -
11. Library & Student Support Services	$ -	$ -	$ -
12. Safety & Security	$ 775,000	$ 775,000	$ -
13. Bike / Car Parking & Drop-Off	$ 91,000	$ 91,000	$ -
14. Outdoor Learning Courts, Quads & Gardens	$ 691,000	$ -	$ -
15. Exterior Play Spaces, Playfields & Hardcourts	$ 882,000	$ -	$ -
16. Next Generation Learning Furniture	$ 901,000	$ -	$ -
17. Technology Infrastructure & Equipment	$ 1,119,000	$ 903,000	$ -
Total Construction / Project Cost (2018$)	**$ 8,954,000**	**$ 1,823,000**	**$ -**

The following items are excluded from this budget:
- Utility hook-up fees & City connection fees
- Off-site work and traffic signals
- Land acquisition costs
- Temporary classrooms
- Hazardous material surveys, abatement and disposal
- Escalation (costs are in 2018$)

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COST SUMMARY
HARPER JUNIOR HIGH

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Facilities Master Plan

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