# FACILITIES PLANNING Condition, Maintenance, and Capacity

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## Facilities Planning CES, NFES, WMS, WHS, YALE, WSD

- Historical mapping
- School statistics
- Roofing plan
- Blacktop plan
- Utility Overview
  - Water
  - Fire systems
  - Electrical distribution
  - Natural gas
- HVAC overview and needed improvements

- Structural and interior finishes
- Plumbing plan
- Portable building plan
- 10 year cost summary by school
- Fleet vehicles and grounds equipment
- Preliminary seismic report
- 10 year District financial impact report

### WSD Facilities Plan

### Introduction

- This presentation is based on a 10 year plan ending Spring 2031.
- Costs are based on today's rate, expect a 2% to 3 % increase per year.
- It will become clear that all items listed can not be addressed, due to budget constraints.
- Items will be prioritized based on the following criteria:
  - Safety, health, and environmental
  - Compliance to law
  - Quality of instruction
  - Asset protection
  - Asset replacement
- Alternate methods for cost reduction will be provided for:
  - Alternate materials
  - Value engineering
  - In-house completion of projects
  - Each campus will be discussed independently and a final District summary will be given

## Roofing Types



Composition 3 tab



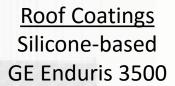
Composition Architectural



Metal



FLAT OR ROOFS WITH LOW PITCH









Built up with composition roll cap



TPO
Thermoplastic Polyolefin
Plastic/rubber with filler
(Heat-welded seams)



PVC
Poly vinyl chloride
(Heat-welded seams)



EPDM Ethylene Propylene Diene Monomer (Glued seams)

## Roofing Info Cost and Pricing Variables

#### Pricing considerations that influence total cost

- Number of roof layers
- Stripping off old roof vs. cover
- Decking and structural repairs
- Insulation requirements type/location
- Material type (cap)
- Asbestos mitigation
- Roof penetrations
- Compliance to energy codes
- Warranty

#### Cost of delaying

- Mold
- Compromised decking
- Structural Failure

## For this presentation the following standard costs will be used

- All sloped comp roofs \$5.00 sqft.
- Flat roofs @ \$7.00 sqft.
- Metal roofs @ \$10.50 sqft.
- Roof coatings @ \$2.25 sqft.

## Columbia Elementary School



Home of Kit the Beaver

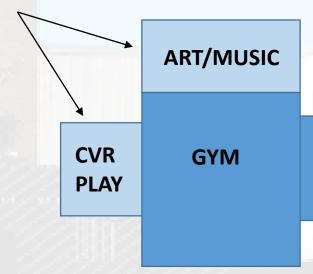
## Columbia Elementary School School Statistics

- Site 7.91 acres (1 lot)
- Building area 1.30 acres
- Field adjacent to school 1.44 acres (2 lots)
- Original construction 1971-72,
  - 42,743 sqft. (As Middle School)
- Addition 1992-93 adds 13,643 sqft. (current kinder and 1st grade wing)
- Total building sq. ft. 56,386
- Classrooms 21(2) excludes portables
  - 11 Classrooms upper or original construction
  - 10 classrooms lower wing
  - 2 art/music studios (locker room conversion) expected to provide expansion space for 1 year
- Parking 83 spaces, 3 ADA, no designated bus parking
- 73 staff and 331 students



### CES Historical Look

1982 Locker room expansion, covered play area



1992 Addition Adds 10 P11/12 COOP classrooms **COOP** (NDA) **ECAP EOCF** P8/9 Lower wing HEAD **FCRC** kinder and 1st **START** grade (NDA) P6/7 Special Ed Pre School P5 Comp Lab Upper wing P4 SPED 1972 Initial 2<sup>nd</sup> through construction 4<sup>th</sup> grade 11 classrooms, gym, music P2/3 café WCC

WOODLAND PRIMARY

# CES Roofing and Blacktop Plan

### Roofing

1 Covered play structure

2 Gym, café & mezzanine

3 1st grade wing

4 K-wing

#### Blacktop

A Recess area

B West lot parking

C Main parking lot (south)

D Portable aprons



WOODLAND PI

## CES Roofing Analysis

Name /Area	Sqft.	Current Type	Grade	Remaining Life	Cost of Repair	Note
Covered play area (1)	3,500	Built up Comp. cap	D	2026	\$24,500	Full rip off, TPO recover
Gym/cafeteria (2)	15,650	Built up Comp. cap	D	Coat 2022	\$35,212	Excellent coating candidate
Upper Wing (3) (original construction)	25,380	Built up Comp. cap	С	Coat 2024	\$57,105	Excellent coating candidate
Lower Wing (4)	16,250	Built up Comp cap	С	Coat 2028	\$36,562	Excellent coating candidate

A	New condition	В	Near new condition 75%	С	Mid life span 50%	D	Moderate repairs 25%	F	Imminent failure, replace

## CES Blacktop Analysis

Name /Area	Sqft.	Current Type	Grade	Cost of Repair Sqft.	Extend Cost	Note
Playground area (A)	22,000	Blacktop	С	.36	\$7,920	Sealcoat 2022/2029
West parking (B)	11,000	Blacktop	В	.36	\$3,960	Sealcoat/stripe/repair 2023/2030
Main parking lot (C)	34,000	Blacktop	D	.36	\$12,240	Sealcoat/stripe/repair 2021/2028
Portable approach (D)	10,500	Blacktop	С	.36	\$3,780	Seal coat/stripe/repair 2022/2029

А	New condition	Near new condition slight	С	Worn light cracking	Course W/multiple	
		but even wear			cracks water damage	replace

WOODLAND PRIMARY

## CES Flooring

Room Area	Materia I	Condition	RPL Cost	Room Area	Material	Condition	RPL Cost	Room Area	Materal	Condition	RPL Cost
Old music	VCT	A >10 year		103	Carpet	A >10 year		204	VCT/Carpet	A/C 25/29	6,000
Cafe	VCT	D 22-25	3,500	104	Carpet	A >10 year		206	VCT/Carpet	A/A >10 yr.	
Gym	Plastic	A >10 year		105	Carpet	A >10 year		207	VCT/Carpet	A/C 25/29	6,000
Kitchen	Rubber	B ≥ 10 Years		106	Carpet	A >10 year		208	VCT/Carpet	A/C 25/29	6,000
Art/music	Carpet	F - Schedule	6,000	107	Carpet	A >10 year		209	VCT/Carpet	A/C >26	
Lobby	WOM	A >10 year		108	Carpet	A >10 year		210	VCT/Carpet	A/D >26	
Office	Carpet	A >10 year		109	Carpet	A >10 year		211	VCT/Carpet	A/A >10 yr.	
Library	Carpet	A >10 year		110	Carpet	A >10 year		212	VCT/Carpet	A/C 25-29	6,000
101	Carpet	A >10 year		111	Carpet	A >10 year		213	VCT/Carpet	A/C 25-29	6,000
102	Carpet	A >10 year		Office	Carpet	A >10 year		Hall	VCT	B ≥ 10 Years	
PD Rm	Carpet	B ≥ 10 Years		203	VCT Carpet	A/C 25/29	6,000	Comm	Carpet	A >10 year	

А	New or like	В	Slight wear	С	Worn evenly no	D	Perm. stain, minor damage	F	Extensive damage
	new > 10 years		replace estimated		damage replace		or seam damage replace		replace at earliest
	Life		≥ 10 Years		estimated 25-29		estimated 22-25		opportunity

### CES HVAC

- Conference room electric A/C roof top package unit. Replacement needed 35+ years old for \$15,000.
- Two 40 ton gas electric air handling rooftop units, 25+ years old, near the end of normal service life, but still in good operating condition. Estimated cost to upgrade \$150,000.
- Lower wing air handler A/C system with individual room VAV units, with resistance electric heaters. 25+ years, near end of normal service life, but still in good operating condition.
- Gym side of building had new boilers installed in 2013. Boilers are connected to the original 1970's air handling units. The original air handling units should continue to be serviced and repaired with no complete replacements needed within 10 years.
- Roof exhaust fans, welded seams failing on numerous locations, will replace with roof work for \$7,500.
- Entire school had a HVAC control system upgrade 9 years ago by NCC.
- Art/Music room, install split systems at \$7500 each.

## CES Structural and Exterior/Interior Finishes

- Wood stringers in parapet, selective replacement with T1-11 siding for \$8,500 2023
- Replace ceiling tiles in selective areas damaged by roof leaks for \$7500 2021 (safety)
- Entire exterior of campus painted 2016/2017 EST 2026 paint for \$7,500



### CES Utilities

### Water /Plumbing

- Dedicated filter drinking water line installed 2020
- Replace balance of galvanized piping 1<sup>st</sup> grade wing \$35,000 -2023/24. 2/3's currently complete.

### Fire Systems

- Original construction no fire sprinklers \$150,000 – grant candidate
- K-wing full sprinklers

#### Electrical

- Panel locks/covers and remote switching for \$3,500 - 2021
- Switchboard, panel labeling and schedules for \$2,500 - 2021
- Switchboard and panel cleaning/ torqueing/lubrication and testing for \$2,500 - 2021

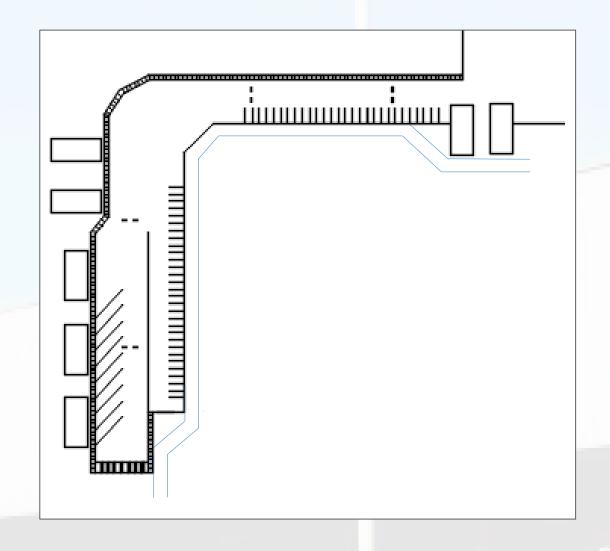
#### Natural Gas

Leak detect, isolation boiler room for \$8,500 - 2021

## CES Grounds Overview

Bus, Bike, Student and Pedestrian Safety Corridor

- Install 900 linear feet sidewalk
- 40,000 sq. ft. blacktop
- Install speed bumps
- Bus parking area
- 60 parking stalls
- 2 pedestrian crosswalks
- Designated bike lane
- \*\*Estimated \$250,000
- Trying to acquiring grants



\*\* Not in school cost sheet, preliminary cost estimate, not hard quoted

## CES Portable Buildings

2021	2022	2023	2024	2025	2026	
\$8,500		\$8,000	\$9,000	\$6,000		

Port. Bldg.	Use	Roof	Siding	Ramps	Flooring	Interior Finishes	Ext Paint	Restrooms
PO 2/3	WCC	3 tab RPL 2021 8,500	A	2023 \$5,000	2024 \$6,000	2024 \$3,000	New	Existing
PO 4/5	DSP Comp lab	3 tab	А	New	P4- New P5-Carpet C	P-4 new P-5	New	Installed 2019
PO 6/7	SPED Preschool	Metal	Α	New	New	New	New	Existing
PO 8/9	FCRC	3 tab New	А	New	2025 \$6,000	2023 \$3,000	New	Existing
PO 11/12	CO-OP ECAP	Metal	A	New	New	New	New	Installed 2018
PO 10 Non-district	ECAP Head start	-	-	-	-	-	-	-
PO 14 Non-district	CO-OP Preschool	-	-	-	-	-	-	-
Total		\$8,500		\$5,000	\$12,000	\$6,000		

### CES 120 month Facilities plan

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Roof		\$35,212		\$57,105		\$24,500		\$36,562			
Blacktop	\$12,240	\$11,700	\$3,960					\$12,240	\$11,700	\$3,960	
Flooring	\$6,000	\$3,500			\$11,000	\$6,000	\$6,000	\$6,000	\$6,000		
HVAC											
Structural/Ext	\$7,500		\$8,500			\$7,500					
Utilities	\$8,500	\$8,500	\$17,500	\$17,500							
**Grounds											
Portables	\$8,500		\$8,000	\$9,000	\$6,000						
Total WPS	\$42,740	\$58,912	\$37,960	\$83,605	\$17,000	\$38,000	\$6,000	\$54,802	\$17,700	\$3,960	

## North Fork Elementary School



Home of the Eagles

### North Fork Elementary School School Statistics

- Site 10.68 acres (3 lots)
- Building footprint approximately 1 acre (.97)
  - Main school parcel 218,671 sqft. (5.02 acres)
  - Sports field 236,095 sqft. (5.41 acres)
  - Acquired property 10,000 sqft. (.25 acres)
- Original construction 1997/1998
- Classrooms
  - 21 classrooms
  - 1 Resource room
  - 1 Special Education room (classroom)
  - 1 Computer lab
  - 1 Music room
  - 6 portable classrooms
- Parking 91 car, 5 ADA, 15 Bus
- 417 students and 78 staff

## NFES Historical Look 1997/1998 Initial construction Third Portable Added 2019 **Two Portables Installed August 2017**

## NFES Roofing and Blacktop Plan

#### NFES ROOFING MAP

- 1 Covered play area
- 2 Gym
- 3 Classroom wing (west)
- 4 Classroom wing (north)
- 5 Entry canopy

### **BLACKTOP MAP**

- A Bus/main parking lot
- B Playground/walking path
- C Vacant lot for expansion



## NFES Roofing

Name /Area	Sqft.	Current Type	Grade	Remaining life	Replace Cost	Notes
Covered Play Area (1)	4,764	Metal	В	>10 years	N/A	
Gym (2)	12,870	Metal	В	>10 years	N/A	
Classroom Wing South (3)	10,472	Metal	В	>10 years	N/A	
Classroom Wing North (4)	16,588	Metal	В	>10 years	N/A	
Entrance Awning (5)	1,501	Metal	В	>10 years	N/A	

### NFES Blacktop Analysis

Α	New	В	Near new condition slight	С	Worn light	D	Course W/multiple cracks/	F	Imminent failure, replace
	condition		but even wear		cracking		water damage		

Name /Area	Sq/ft	Current Type	Grade	Cost of Repair sqft	Extended Cost	Note
Main parking lot (A)	63,500	Blacktop	В	.36	\$22,860	Sealcoat /stripe/repair 2023/2029
Playground (B)	46,500	Blacktop	D	.36	\$16,740	Sealcoat 2022/2030

## NFES Flooring

Room Area	Material	Condition	RPL <	Room Area	Material	Condition	RPL Cost	Room Area	Material	Condition	RPL Cost
Kitchen	Tile	Α	>10 year	103	Carpet	В	≥ 10 Years	205	Carpet	С	25-29
Gym	Plastic	В	≥ 10 Years	104	Carpet	С	25-29	206	Carpet	С	25-29
Restrooms	Tile	Α	>10 year	105	Carpet	С	25-29	207	Carpet	С	25-29
Music	Carpet	D	22-25	106	Carpet	С	25-29	208	Carpet	В	≥ 10 Years
Hallway	VCT Tile	В	≥ 10 Years	107	Carpet	В	≥ 10 Years	210	Carpet	Α	>10 year
SPED	Carpet	С	25-29	109	Carpet	В	≥ 10 Years	211	Carpet	Α	>10 year
Sm OFF	Carpet	В	≥ 10 Years	113	Carpet	С	25-29	212	Carpet	С	25-29
Staff BRK	Carpet	С	25-29	200	Carpet	D	22-25	213	Carpet	С	25-29
Comp Lab	Carpet	С	25-29	201	Carpet	А	>10 year	214	Carpet	С	25-29
M Office	Carpet	В	≥ 10 Years	209	Carpet	С	25-29				
Library	Carpet	С	25-29	202	Carpet	В	≥ 10 Years				
101	Carpet	В	≥ 10 Years	203	Carpet	В	≥ 10 Years				
102	Carpet	В	≥ 10 Years	204	Carpet	С	25-29				

	Α	New or like	В	Slight wear	С	Worn evenly no	D	Perm. stain, minor de-	F	Extensive damage
H		new > 10 years		replace estimated		damage replace		lamination or seam damage		replace at earliest
		Life		≥ 10 Years		estimated 25-29		replace estimated 22-25		opportunity

### NFES HVAC

- HVAC local control modules are obsolete new replacements are \$1,900 each. Total estimated at 60K. These can be replaced as they fail when the new server is installed.
- This is a two story school without A/C in the classrooms. The school gets
  uncomfortably hot in the early and late part of the school year. The current boilers and
  air handling units are original to the school and are nearing the end of the normal
  service life.
- It's recommended to replace the boilers, air handling units and add a chiller for building air conditioning.
- Estimated cost for entire HVAC system upgrade 1.6 million. Expected to be part of new future school bond. Temporary portable AC units are being used.

## NFES Structural and Exterior Finishes

- Masonry block and stucco.
- No major cost expected next 10 years.

### NFES Utility Overview

#### Water /plumbing

 Install filtered PEX drinking water line started 2020. \$3,500 in progress

#### Fire Systems

- Wet/Dry full building
- On routine testing cycle

#### Electrical

- All panels appropriately secured
- Panel schedules in place
- Switchboard cleaning/lubrication/inspection \$2500 2022

#### Gas

- Kitchen equipment
- 4 hot water boilers
- 2 commercial hot water heaters
- 1 Reznor MAU (kitchen MAU)

## NFES *Grounds*

- Irrigation tank and distribution \$15,000, 2022
- Remove trees
- Repair walking path \$3,500, 2021

## NFES Portables

2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
			\$5,000		\$2500					

Portables	Use	Roof	Siding	Ramps	Flooring	Interior Finishes	Ext Paint	Restroom
PO 1/2	BOOST	3 tab >10 year	Α	New-Alum	New 2017 >10 year	>10 year	2024 \$2500	Installed
PO 3/4	Classroom Classroom	3 tab >10 year	Α	New-Alum	New 2017 >10 year	>10 year	2024 \$2500	Installed
PO 5/6	Classroom Classroom	3 tab >10 year	А	New- Alum	New 2019 >10 year	>10 year	2026 \$2500	Installed
Total							\$7,500	

### NFES 120 month maintenance plan

6 month	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Roof											
Blacktop		\$16,740			\$22,860		\$16,740			\$22,860	
Flooring		\$6,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000	\$12,000		
HVAC											
Structural /Exterior											
Utilities	\$3,500	\$2,500									
Grounds	\$3,500	\$15,000									
Portables				\$2,500		\$2,500					
Total NFES	\$7,000	\$40,240	\$12,000	\$14,500	\$34,860	\$14,500	\$28,740	\$12,000	\$12,000	\$22,860	

# NFES Expansion of Parking Lot

### **Acquired property**

- 2280 Lewis River Road, directly to the north of the school north wing
- House demolished in December 2017
- Property sqft. 11,000 (.3 acre)
- Space could provide an additional 30 needed parking spaces



## Woodland Middle School



Home of the Trojans

### WMS

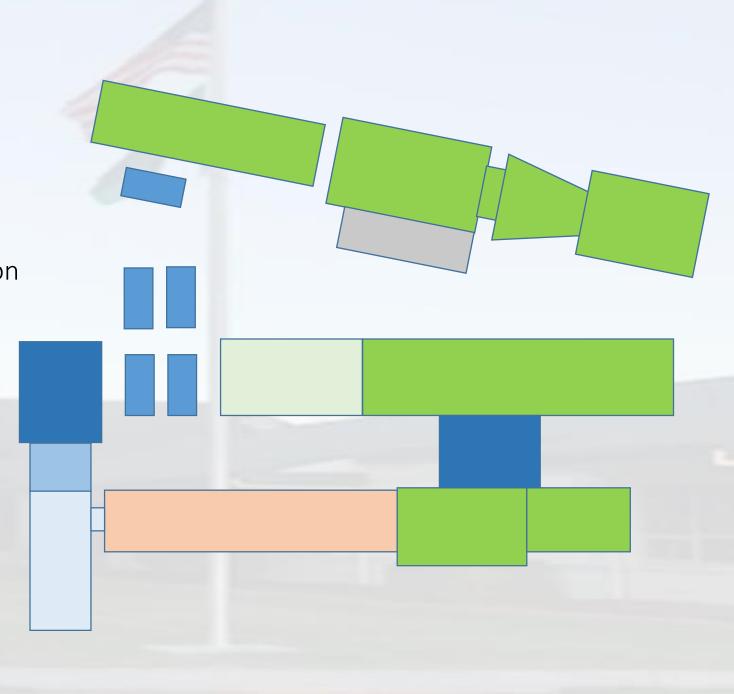
### School Statistics

- Site 33.46 acres 2 parcels
- Buildings 3.02 acres
- Original construction (current site layout)
- 1951/1953/1962/1964/1966/1967/1982/1993
  - Classrooms 33 (excluding CTE wing)
- Gross sq. ft. 132,000
- Parking 138 auto, 5 ADA 18 bus
- 649 students and 74 staff



### WMS Historical Look

- Originally constructed as Primary School in 1951
- Commons and classroom addition
   1953/54 as part of WHS construction
- Yellow hall addition 1962
- Green hall extension 1964
- Classroom addition (2) 1967
- Gym locker room 1982
- Yellow gym, library addition and building modernization 1993
- 5 portable buildings



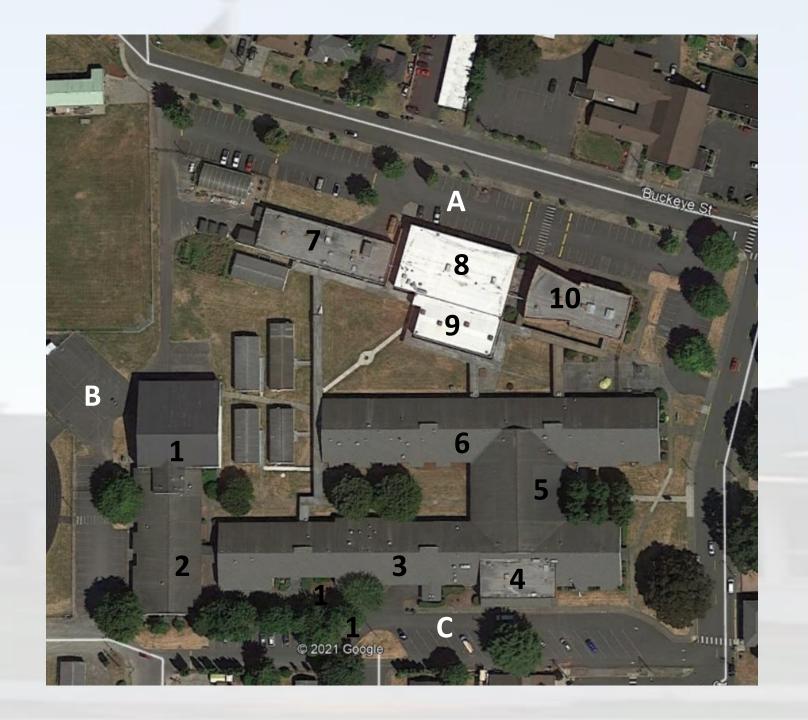
### WMS Roofing Map

#### WMS ROOFING MAP

- 1 Yellow Gym
- 2 Yellow Hall west
- 3 Yellow Hall main
- 4 Commons
- 5 Library bridge
- 6 Green Hall
- 7 Metal Shop
- 8 Green Gym
- 9 Green Mezzanine
- 10 Performing Arts

#### **BLACKTOP**

- A North/Green Gym parking
- B West parking, BB court, service road
- C Bus parking, DO, south



### WMS Roofing Analysis

Name /Area	Sq/ft	Туре	Grade	Replace-ment	Cost	Note
Yellow Gym (1)	10,780	Metal	С	>10 years	-	
Yellow Hall west end (2)	15,325	Composition S	A/C	2025	\$34,481	
Yellow Hall main (3)	37,571	Composition S	A/C	2027	\$84,535	
Commons (4)	3,950	Comp B/U	D-	2021	\$8,887	Silicone coating
Library (5)	8,950	Composition S	A/C	>10/2028	\$20,137	
Green Hall (6)	36,050	Composition S	A/C	>10/2029	\$81,112	
Metal Shop (7)	7,700	Comp B/U	D	2021	\$17,325	Silicone coating
Green Gym (8)	10,150	TPO	А	>10 years		
Green Mezz (9)	5,000	TPO	А	>10 years	-	
Performing Arts (10)	6,720	Comp B/U	D	2021	\$15,120	Silicone coating

### WMS Blacktop Analysis

Name /Area	Sqft.	Current Type	Grade	Cost Sqft.	Extended Cost	Note
North parking lot (A)	51,500	Blacktop	С	.36	\$18,540	Sealcoat/stripe/repaired 2022/2029
Playground, west parking, service rd. (B)	33,000	Blacktop	В	.36	\$11,880	Sealcoat/stripe/repaired 2024/2031
Commons and DO Parking (C)	36,530	Blacktop	В	.36	\$13,150	Sealcoat/stripe/repaired 2026

А		В	Near new condition slight	С		D	Course W/multiple cracks water	F	Imminent Failure, replace
	condition		but even wear		cracking		damage		

### WMS Flooring

New or like

new > 10 years

Life

B Slight wear replace
estimated ≥ 10 Years

C Worn evenly no damage replace estimated 25-29

Perm. stain, minor delamination or seam damage replace estimated 22-25 Extensive damage replace at earliest opportunity

Yellow West				Yellow East				Green Hall			
Room/Area	Material	Con d.	REPL	Rm/Area	Material	Cond		Room/Area	Material	Cond	Condition
313	Carpet new	А	>10 year	449	Carpet new	А	>10 yr.	413	Carpet new	А	>10 year
325	Carpet new	Α	>10 year	450	Carpet new	Α	>10 yr.	415	Carpet new	А	>10 year
LRA	Carpet tiles	А	≥ 10 Years	317	Carpet new	Α	>10 yr.	WMS Office	Carpet tiles	В	≥ 10 Years
Lkr Room	Ероху	В	≥ 10 Years	314	Carpet new	Α	>10 yr.	421	Carpet new	А	>10 year
307	Carpet new	А	>10 year	323	Carpet old	В	≥ 10 Years	423	Carpet new	А	>10 year
308	Carpet new	А	>10 year	326	Carpet old	D	22-25	427	Carpet new	Α	>10 year
305	Carpet new	Α	>10 year	447	Carpet new	Α	>10 years	429	Carpet new	А	>10 year
306	Carpet new	Α	>10 year	448	Carpet old	С	25-29	412	Carpet new	Α	>10 year
311	Carpet old	D	22-25	319	Carpet old	D	22-25	417	Carpet new	А	>10 year
312	Carpet old	D	22-25	320	Carpet old	В	≥ 10 Years	424	Carpet old	В	≥ 10 Years
DO	Carpet new	А	>10 year	Kitchen	Epoxy, new	А	>10 Years	425	Carpet old	В	≥ 10 Years
Main hall	Carpet old	В	≥ 10 Years	318	VCT tile	В	≥ 10 Years	419	Ероху	В	25-29
324	Carpet old	F	Replace	Commons	VCT tile	В	≥ 10 Years	428	VCT tile	А	>10 year
Gym hall	VCT tile	В	≥ 10 Years	S. Commons	VCT tile	В	≥ 10 Years	426	VCT tile	А	>10 year
Bathrooms	Tile	А	>10	Comm hallway	VCT tile	В	≥ 10 Years	430	VCT tile	В	≥ 10 Years
315	VCT tile	В	≥ 10 Years	Gym	Wood	В	≥ 10 Years	431	VCT tile	В	≥ 10 Years
316	VCT tile	В	≥ 10 Years	Library	Carpet new	Α	>10 yr.	432	VCT tile	А	>10 year
Yellow Gvm	Wood	В	> 10 Years	Yellow hall	Carpet	C	25-29	Green hall	VCT tile	A/C/B	Var

#### WMS HVAC

- Computer server room A/C unit. The current A/C system is 23+ years old and is too small for the amount of heat generated by the number of installed computer equipment. Needs new larger system. Recommend adding a ductless A/C split system for 10K.
- LRA, District Office, Middle School Office, computer lab and science classrooms all have split heat pump units with air handlers that are beyond their normal service life 23+ years old, these will need to be replaced over the next 10 years as parts become unavailable. Estimated cost is 150K.
- Classroom furnaces. Each classroom and common hallway areas are heated by a residential style gas furnace. These gas furnaces are 23+ years old and many of the parts are no longer available. Furnaces will need to be replaced when parts fail. Estimated cost per furnace to replace is 5K.
- Gym and auditorium had new boilers installed 2019. These boilers are connected to old air handling units that should continue to be serviced and repaired with no replacements needed anytime soon.
- Entire school had a HVAC control system upgrade 9 years ago.

#### WMS

Structural Interior and Exterior Finishes

Exterior painting and sealing for \$7,500 in 2019-2022 (in house cost, in progress)

Ceiling tiles in green gym (safety concern) for \$8500 in 2021

Floor leveling and coating in covered lunch area for \$8500 in 2023

Enclosed pass through hallway in the green/yellow halls for \$25,000 in 2023

#### WMS Utility Overview

- Water
  - Replaced galvanized lines to CTE complex in 2022 (service life expired) for \$12,000
  - Install dedicated fountain service line.
     Completed in 2021 for \$7,500
  - Electrical
  - Install exterior LED lighting in covered play area for \$3,500 in 2022
  - Complete main switchboard maintenance for \$2500 in 2023
  - Repair broken panels and add exterior switching for \$3,500 in 2021





- GAS
  - Install gas leak detection and isolation system for \$15,000 in 2021
- Fire safety
  - Clean up/map Simplex wiring for \$5,000 in 2023

### WMS Grounds

Item	Cost	When
Remove balance of pin oaks install new trees Buckeye St – undermining sidewalk and blacktop		Completed 2020
Building gutter replacement (in progress)	\$17,325	2021
Well distribution storage tanks and distribution	\$7,500	2022
Drywell drain line clearing	\$4,500	2022
Covered walkway gutter replacement	\$17,100	2024

# WMS Portable Buildings

Port. Bldg.	Use	Roof	Side	Ramp	Flooring	Interior Finishes	Restroom	Cost /Notes
462	FAC/Train	C	New	New	New A	B	No	Roof 2030-\$8,000
463	ELL	2030	2017	2017	New A	B	No	
464 465	GRN Rm Storage	D 2026	New 2017	New 2017	VCT D VCT D	C C	No No	Flooring 2024-\$7,000 Roof 2026-\$8,000 Interior 2023-\$3,000
466	Training	C	New	New	Carpet C	C	No	flooring 2025-\$7,000
467	SS	2029	2017	2017	Carpet C	C	No	Roof, 2026 -\$8,000
468	Music	C	New	New	Carpet D	B	No	Flooring 2029 – \$7,000
469	Testing	2029	2017	2017	Carpet B	B	No	Roof 2027 – \$8,000
470 471	Comp lab Comp lab	D 2026	New 2017	Replace	Carpet B Carpet B	B B	No No	Ramp 2022-\$5,000 Carpet 2023-\$7,000 Roof 2028 -\$8,000

### WMS 120 month maintenance plan

6 month	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Roof	\$41,332				\$34,481		\$84,575	\$20,137		\$81,112	
Blacktop		\$18,540		\$11,880		13,150			\$18,540		\$11,880
Flooring	\$12,000		\$12,000		\$6,000	\$6,000	\$6,000	\$6,000			
HVAC		\$10,000	\$15,000	\$50,000	\$15,000	\$50,000	\$15,000	\$50,000	\$15,000		\$50,000
Structural /Exterior	\$16,000	\$7,500	\$33,500								
Utilities	\$26,000	\$14,500	\$5,000								
Grounds	\$17,325	\$12,000		\$17,100							
Portables		\$5,000	\$10,000	\$7,000	\$7,000	\$16,000	\$8,000	\$8,000	\$7,000	\$8,000	
Total WMS	\$112,657	\$67,540	\$75,500	\$85,980	\$62,481	\$85,150	\$113,575	\$84,137	\$40,540	\$89,112	\$61,880

### Woodland High School



Home of the Beavers

#### WHS Historical Look

- Bond levy passed 2012
- Construction began 2013
- Construction ends 2015
- First class 2015



#### WHS Statistics

- Site 40.88 acres (2 parcels)
- Building footprint approximately 2.64 acres (.97)
- 153,000 gross sqft
- Original construction 2013/14
- Parking 414 car 10 ADA, 14 bus with auto shadow lines (46 auto)
- 614 students and 80 staff

#### Classrooms

- 18 Regular classrooms
- 6 Science labs
- 3 Computer /IT lab
- 1 Culinary
- 2 Business lab
- 1 Horticulture
- 1 Music room
- 2 Resource
- 1 Life Skills (currently SPED classroom)
- 1 Music room
- 1 Career center
- 2 Art rooms

#### WHS

#### Roof and Blacktop Map

- 1 Stadium
- 2 Locker room
- 3 Gym
- 4 Spin/weight Room
- 5 Classroom wing north
- 6 Classroom bridge north
- 7 Classroom bridge south
- 8 Classroom wing south
- 9 Entrance awnings (7 installations)
- A North parking
- B Sport fields and approaches
- C Gym and exit rd.
- D Main Parking west
- E Main parking east



## WHS ROOFING ANALYSIS

Name /Area	Sqft.	Туре	Grade (key below)	Remaining Life	Cost (NA if past 10 years)	Expect Life	Note
Stadium (1)	11,700	Metal	В	87.5%	N/A	30-50 year (40)	
Locker Room (2)	10,250	Metal	В	87.5%	N/A	30-50 year (40)	
Gym (3)	49,675	Composition	В	83%	N/A	30 year	
Spin/Weight Room (4)	7,000	Metal	В	87.5%	N/A	30-50 year (40)	
Classroom Wing North (5)	26,426	Composition	В	83%	N/A	30 year	
Classroom Bridge North (6)	5,720	Composition	В	83%	N/A	30 year	
Classroom Bridge South (7)	6,435	Composition	В	83%	N/A	30 year	
Classroom wing South (8)	21,450	Composition	В	83%	N/A	30 year	
Entrance Awnings (9)	1,800	Metal	В	87.5%	N/A	30-50 year (40)	

A	1	New	В	Near new condition >75%	С	Mid life span >50%	D	Requires moderate	F	Imminent failure, in need of
								>repairs 25%		replacement

### WHS Blacktop Analysis

Name /Area	Sqft.	Current Type	Grade	Cost of Repair sqft.	Extended Cost	Note
North parking lot (A)	89,785	Blacktop	А	.36	\$32,322	Sealcoat/stripe/repaired 2022/2026
Sports field and stadium approaches (B) service rds.	40,500	Blacktop	A	.36	\$14,580	Sealcoat/stripe/repaired 2023/2028
Gym parking and exit road (C)	82,500	Blacktop	А	.36	\$29,700	Sealcoat/stripe/repair 2022/2027
Main parking west and entrance rd. (D)	62,000	Blacktop	Α	.36	\$22,320	Sealcoat/stripe/repair 2021/2026/2031
Main parking east (E)	64,980	Blacktop	Α	.36	\$23,392	Sealcoat/stripe/repair 2022/2027

## WHS Flooring

All Flooring >10 years

#### WHS HVAC

- Two Fulton high efficiency boilers
- Multiple HW/CW air handlers
- Multiple MAU with heat recovery
- No major maintenance expected within 10 years other than routine preventive maintenance and inspections

### WHS Structural and Exterior

- Built to seismic design category D (high seismic vulnerability)
- No structural cost expected within 10 years

Seismic Design Category (SDC)	Definition
Α	Very small seismic vulnerability
В	Low to moderate seismic vulnerability
С	Moderate seismic vulnerability
D	High seismic vulnerability
E&F	Very high seismic vulnerability and near major fault

#### WHS Utilities

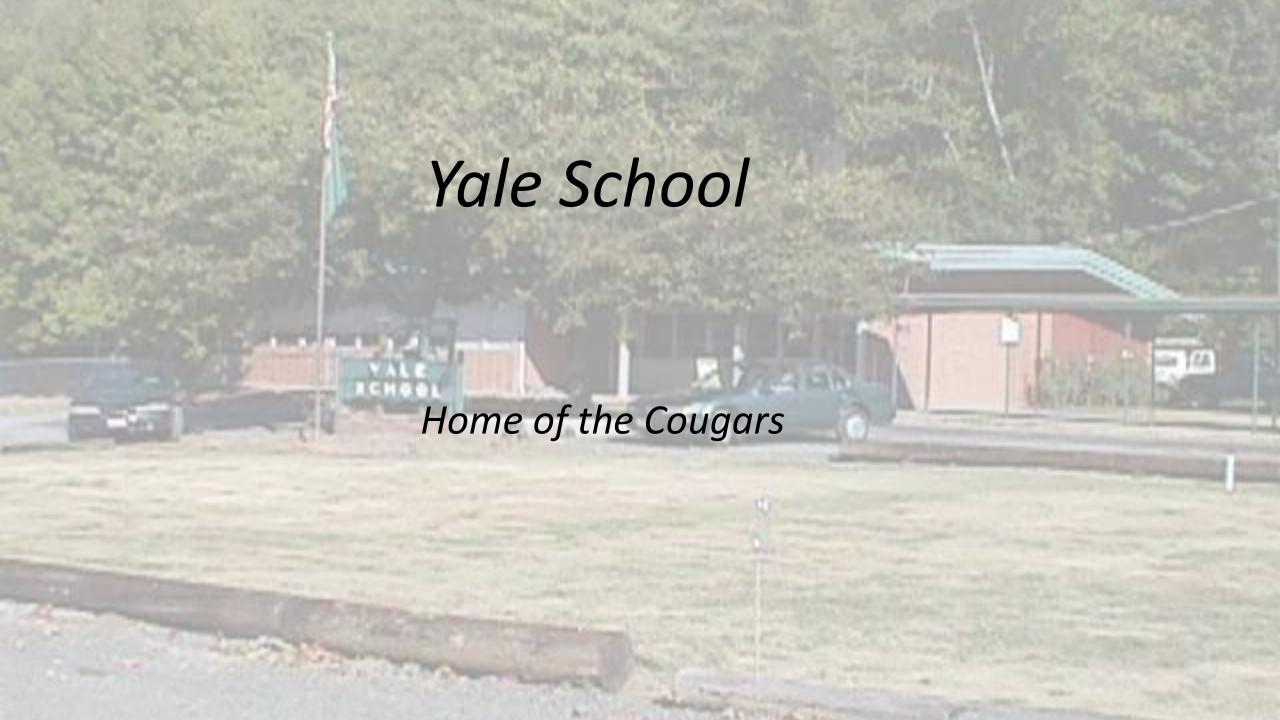
- Electrical
  - 12.5KW solar facility install in 2021 for \$10K
- Fire Safety
  - Fully sprinklered interior wet system, exterior dry system

## WHS *Grounds*

- Install well storage and distribution system for \$45K
- Apply for water rights

### WHS 120 Month Plan

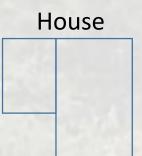
6 month	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Blacktop	-		\$32,322	\$46,118	\$29,700	\$14,580	-			\$32,322	\$46,118
Roof	-	-	-	-	-	-	-	-	-		
Flooring	-	-	-	-	-	-	-	-	-		
HVAC	-	-	-	-	-	-	-	-	_		
Structural/E xt	-	-	-	-	-	-	-	-	-		
Utilities	\$10,000	\$6,000	-	-	-	+	-	-	-		
Grounds	-	\$45,000	-	-	-	-	-	-	-		
Portables	-	-	-	-	-	-	-	-	-		
Total WHS	\$10,000	\$51,000	\$32,322	\$46,118	\$29,700	\$14,580				\$32,322	\$46,118



### Yale School Historical Look

Current School Building Constructed 1962

Cafeteria and Library Addition 1993



Old school Location Demolished

Gym Complete Restoration 2014

### Yale School School Statistics

- Site 8.94 acres (2 parcels)
- Building area .33 acres (school .25, gym .08)
- Original construction 1962
- Addition 1993 adds library, cafeteria and hallway
- Total sqft. 14,975 (school 11,000, gym 3,975)
- 3c lassrooms
- Library
- Cafeteria
- Gravel parking lot. Estimated @ 30 spaces
- 6 staff and 45 students

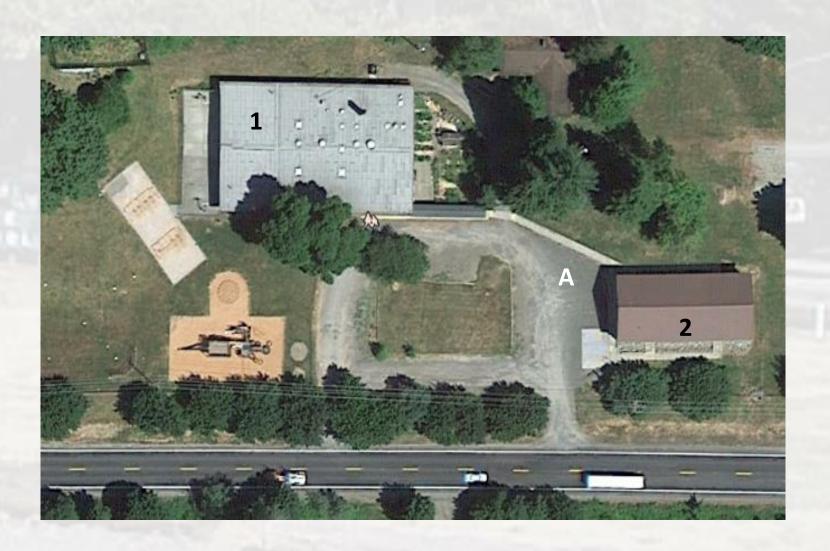
#### Yale School Blacktop and Roof Plan

#### Roof

- 1 Main school building
- 2 Gym roof

#### **Blacktop (gravel)**

A Gravel only



#### Yale School Roof Plan & Blacktop Plan

Name /Area	Sq. ft.	Type	Grade (key below)	Remaining Life	Cost (NA if past 10 years)	Expected Life	Note
School (1)	10960	Comp cap Built-up	D	5%	\$24,750	25 year	May be candidate for coating
Gym (2)	3800	Metal	А	87.5%		30-50 year(40)	

Name /Area	Sq. ft.	Current Type	Grade	Cost of Repair sq. ft.	Extended Cost	Note
Parking area (A)	23,250	Gravel	N/A	.15	\$2000	Re-gravel annual

# Yale School *Flooring*

Area	Material	Condition	Notes
Kitchen	VCT tile	C \$7,500-2027	Tile and adhesive possible source of asbestos
Entry and main hall	Carpet over VCT	C \$5,000-2026	Asbestos risk
Classroom 1	Carpet over VCT	B \$5,000-2028	Asbestos risk
Classroom 2	Carpet over VCT	B \$5,000-2028	Asbestos risk
Classroom 3	Carpet over VCT	B \$5,000-2028	Asbestos risk
Library	Carpet	B \$5,000-2029	
Cafeteria	Tile	B \$5,000-2029	

## Yale School HVAC

- Currently heated by 57 year old, oil fired steam boiler
- Library and cafeteria are heated by 2 small oil forced-air furnaces
- Environmental concerns regarding buried heating oil tank



### Yale School *Utilities*

#### Water

- Well system and storage tank
- Interior piping galvanized steel
- Chlorination system installed in 2020
- Add drinking water service line in 2021 for \$5,000

#### Electrical

 Main switchboard cleaning and maintenance in 2022 for \$2,500

#### **Propane**

- Heating for gym area
- Install gas leak detection and auto shutoff in 2023 for \$2,500

#### Fire Safety

 No sprinklers. Install fire pump and distribution for \$50K (seek grant \$\$)

### Yale School

Grounds

Covered Walkway (120 lf) for \$8,000

Add 120 If of covered walkway to existing system

#### Structural and Exterior

No cost within 10 years

#### Yale School 120 Month Plan

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
Roof			\$24,750								
Blacktop/Gravel		\$2,000		\$2,000		\$2,000		\$2,000		\$2,000	
Flooring						\$5,000	\$7500	\$15,000	\$10,000		
HVAC											
Structural /Exterior											
Utilities	\$5,000	\$5,000									
Grounds		\$8,000									
Portables											
Total Yale	\$5,000	\$15,000	\$24,750	\$2,000		\$7,000	\$7,500	\$17,000	\$10,000	\$2,000	

## District Assets *Equipment, Vehicles and Holdings*

- Partners In Transition (PIT) house
- Team High and Business Office portables
- Fleet Vehicles
- Grounds Equipment
- District Assets 10 year plan
- Consolidated 10 year plan

#### Pit House 10 Year Plan

	2021	2022	2023	2024	202 5	2026	2027	2028	2029	2030	2031
Roof 3 tab				12,500							
Siding LP			\$12,500								
Plumbing											
Kitchen											
Flooring											
Grounds											
Total			\$12,500	\$12,500							

### Team and BO Portables Portable Plan

Port. Bldg.	Use	Roof	Siding	Ramp	Flooring	Int. Finish	Ext Paint	Rest Rooms	Cost/ Notes
Business Office	WCC	3 Tab >10yr	Α	Permanent Aluminum	Carpet	А	2025 \$1500	Yes OK	Building in good material condition. Exterior painted in August 2018.
TEAM High	Alt HS	3 Tab >10yr	Α	Permanent Aluminum	Carpet	А	2025 \$1500	Yes OK	Building in good material condition. Exterior painted in August 2018. New addition 2021.

## District *Grounds Equipment*

MFG	MDL	EQ TYPE	YEAR	LOCATION	
John Deere	JDX 750	Mower	2015	WMS	New for WHS
John Deere	JDX 748	Mower	2007	WMS	>10 yr.
John Deere	2032	Tractor	2015	WMS	New for WHS
John Deere	JD 955	Tractor	1997	WHS	>10 yr.
Kubota	ZG 222	Mower	2008	WHS	>10 yr.
John Deere	JD 455	Mower	1995	WIS	>10 yr.
John Deere	JD 455	Mower	1995	Yale	>10 yr.
Walker		Mower	2019	WMS	New

Equipment Need	Model	Cost	Year
Exterior 45' Lift	JLG or Genie DSL	\$15,000	Used



## District Fleet Vehicle's

Name	Year	Make	Model	Location/Use	Color	Mileage	Action	RPL	Cost
Grounds Truck	1988	Chevy	C-20	Grounds	White	165,033	Sell		
Grounds Truck	1991	Chevy	C-20	Grounds	Red	236,552	Sell		
HVAC Van	2002	Ford	Club Wagon	HVAC	White	109,793			
Tech Van	1989	Chevy	Sports van	Tech	Grey	46,203	Sell		
White van	1986	Ford	Club Wagon	Maintenance	White	66,899			
White Van	2012	Ford	E-150	Tech					
Grey Truck	2011	Ford	F150	Safety /Maint					
Grounds 1 truck	2006	Chevy	Silverado	Maintenance	White	112,711			
Grounds 2 truck	2015	Ford	F150	Grounds					
Pit 2	2004	Chrysler	T&C	Pit /BO	Silver	136,494		2022	
E11	2015	Chevy	Express	WHS	White	26,810		2026	\$28,000
E12	2015	Chevy	Express	WHS	White	23,153		2027	\$28,000
E13	2015	Chevy	Express	WHS	White	14,399		2028	\$28,000
Suburban	2004	Chevy	Suburban	WHS		130,557		2021	15,000
Mini 1	2007	Dodge	Caravan	WHS	Bl/Gr	96,116			
Mini 2	2006	Dodge	Caravan	WHS	Lt Blue	113426			

## District Summary 120 Month Plan

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
PIT house	-	-	\$12,500	\$12,500	-	-	-	-	-	-	-
TEAM and BO Portables	-	-	-	-	\$3,000	-	-	-	-	-	-
Grounds Equipment	-	-	-	-	\$20,000	\$7,500	-	-	-	-	-
Fleet Vehicles	\$15,000	\$15,000	-	-	-	\$28,000	\$28,000	\$28,000	-	-	-
Total	\$15,000	\$15,000	\$12,500	\$12,500	\$23,000	\$35,500	\$28,000	\$28,000	-	-	-

### District Summary

#### 120 Month Plan

	2021	L 2022	2 2023	3 2024	1 2025	5 2026	5 2027	7 2028	3 2029	2030	) 2031	Total
CES	\$42,740	\$58,912	\$37,960	\$83,605	\$17,000	\$38,000	\$6,000	\$54,802	\$17,700	\$3,960		\$360,679
NFES	\$7,000	\$40,240	\$12,000	\$14,500	\$34,860	\$14,500	\$28,740	\$12,000	\$12,000	\$57,860		\$233,700
WMS	\$112,657	\$67,540	\$75,500	\$85,980	\$62,481	\$85,150	\$113,575	\$84,137	\$40,540	\$89,112	\$61,880	\$878,552
WHS	\$10,000	\$51,000	\$32,322	\$46,118	\$29,700	\$14,580				\$32,322	\$46,118	\$262,160
Yale	\$5,000	\$15,000	\$24,750	\$2,000	-	\$7,000	\$7,500	\$17,000	\$10,000	\$2,000		\$95,250
District	\$15,000	\$15,000	\$12,500	\$12,500	\$23,000	\$35,500	\$28,000	\$5,000	\$28,000	\$28,000		\$202,500
Annual Total	\$192,392	2 \$247,692	2 \$195,032	\$244,703	3 \$167,041	\$194,730	) \$183,815	5 \$172,939	\$108,240	) \$213,254	\$107,998	3