



FACILITIES LIFE CYCLE ANALYSIS

Scottsdale Unified School District Governing Board Study Session
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CHEYENNE Traditional School K-8

Construction:

1993 Classrooms, Administration & Cafeteria
1994 Classrooms Multipurpose
2007 Portable building-classrooms

Area:

Site: 923,036 sf = **21.2 acres**

Street adjacent E, City of Scottsdale park adjacent N,S,W

Building: **82,549 gross sf** = 8.94 % site coverage

2016 100ADM Student Occupancy:

PreK @ **25** students + K-8 @ **973** students = **998** total

Facility Life Cycle Analysis

Architectural & Structural:

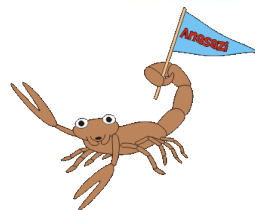
low volume, exterior columned-covered circulation, load bearing, 8-4-16 integral color concrete masonry, parapets, wood roof joists, low slope wood roof deck, hollow metal exterior doors with classroom displays, concrete slab on grade, interior wood framing, gypsum partitions, suspended ceiling grid and panels, above ceiling hvac fan coil units.

Characteristics:

City of Scottsdale share athletic and activity fields by Intergovernmental agreement collaborations. Car line and bus lane are confused and congested. School design is courtyard concept, with modest gradient. 2015 utility costs = \$1.21/sf



ANASAZI Elementary School



Construction:

1996 Classrooms, Administration & Cafeteria

Area:

Site: 652,964 sf = **15.0 acres**

Street adjacent E, City of Scottsdale park adjacent N,S,W

Building: **70,833 gross sf** = 10.8 % site coverage

2016 100ADM Student Occupancy:

PreK @ **24** students + K-5 @ **589** students = **613** total

Facility Life Cycle Analysis

Architectural & Structural:

low volume, exterior columned-covered circulation, load bearing, 8-4-16 integral color concrete masonry, parapets, wood roof joists, low slope wood roof deck, hollow metal exterior doors with classroom displays, concrete slab on grade, interior wood framing, gypsum partitions, suspended ceiling grid and panels, above ceiling hvac fan coil units.

Characteristics:

Car line and bus lane are confused and congested at the dead end of 124th Street. New 124th Street round-about to ease congestion. School design is courtyard concept, with significant gradient.
2015 utility costs = \$1.02/sf



LAGUNA Elementary School



Construction:

1987 Classrooms, Administration & Cafeteria

Area:

Site: 872,942 sf = **20.0 acres**

Street adjacent E, City of Scottsdale park adjacent N,S,W

Building: **74,756 gross sf** = 8.56 % site coverage

2016 100ADM Student Occupancy:

PreK @ **131** students + K-5 @ **490** students = **621** total

Facility Life Cycle Analysis

Architectural & Structural:

low volume, exterior columned-covered circulation, load bearing, stucco on exterior metal stud frame walls, parapets, steel roof joists, low slope steel roof deck, hollow metal exterior doors, concrete courtyards, all concrete slabs on grade, interior steel framing, gypsum partitions, suspended ceiling grid and panels, above ceiling hvac fan coil units.

Characteristics:

Laguna Elementary School is architecturally similar to Sequoya Elementary School. Spacious student exterior circulation and courtyards exit to playground and play fields, and represent the school's entry. Administration views are toward the student courtyards.

2015 utility costs = \$1.13/sf



TAVAN Elementary School

Construction:

1955-1959 Classrooms & Administration
1988-1989 Classrooms & Music
2001-2003 Classrooms, Cafeteria, Media
2007 Classrooms

Area:

Site: 854,647 sf = **19.6 acres**

Streets adjacent S, Arcadia High School N,

Building: **93,647 gross sf** = 10.9 % site coverage

2016 100ADM Student Occupancy:

PreK @ **62** students + K-5 @ **728** students = **790** total

Facility Life Cycle Analysis

Architectural & Structural:

low volume, sloped roof, exterior circulation, non load bearing brick and load bearing 8-8-16 concrete masonry units. Classroom windows, also clerestory glazed & hollow metal exterior doors, wood roof structures, concrete slab on grade, interior wood framing, suspended interior ceilings & gypsum partitions

Characteristics:

Tavan Elementary School is two sites, Main & Annex sites. Kindergarten students, nutrition services and staff must cross Osborn Road to access the two campuses. Limited street frontage on Osborn Road creates severe difficulty for car line. Street, crosswalks and site vehicle circulation is very congested, public parking is difficult. 2015 utility costs = \$1.62/sf



YAVAPAI Elementary School

Facility Life Cycle Analysis

Construction:

1961 Classrooms, Administration
2003 Music Facilities
2013 Thunderbird Hall-Cafeteria & Gym
2013 Administration remodel & addition

Area:

Site: 821,541 sf = **18.8 acres**

Residential adjacent S, Parks adjacent N & E

Building: **77,427 gross sf** = 9.4% site coverage

2016 100ADM Student Occupancy:

PreK @ **74** students + K-5 @ **380** students = **454** total

Architectural & Structural:

low volume, sloped roof, exterior corridor circulation, non load bearing common brick, double wythe, large wall glazed area & hollow metal exterior doors, steel columns with brick surround & concrete frame beams, concrete precast hollow core roof deck planks, concrete slab on grade, interior wood framing, new suspended ceilings below original vaulted interior ceilings & gypsum partitions

Characteristics:

adjacent to City of Scottsdale Indian Bend Park and shares fields with City of Scottsdale recreations. The Yavapai facilities were refreshed in 2013 to include new finishes, cabinetry, MPR facility and additions
2015 utility costs = \$1.59/sf