



**DENTON ISD  
PLAYGROUND  
EQUIPMENT  
REPLACEMENT CYCLE  
PHASE I**

# PHASE I

**PRICE DOES NOT INCLUDE SURFACING**

• Rivera Elementary	\$94,488.39	• Providence Elementary
• Evers Elementary	\$80,019.95	• Cross Oaks Elementary
• Houston Elementary	\$95,693.16	• Ginnings Elementary
• Hodge Elementary		• Ann Windle
• W.S. Ryan Elementary		



# SURFACING OPTIONS

COVERING 3850 SQ. FT.

## Engineered Wood Fiber

Initial installation	\$8,662.50
9 total top-offs	\$31,500.00
<b><u>Total Cost</u></b>	<b><u>\$40,162.50</u></b>

## Poured-in-Place Rubber

Concrete Slab	\$34,650.00
Poured Rubber	\$59,551.80
<b>Sub Total</b>	<b>\$94,201.80</b>
Credit for timbers	-2,349.00
<b><u>Total Cost</u></b>	<b><u>\$91,852.80</u></b>

# SURFACING OPTIONS

COVERING 3850 SQ. FT.

## Bonded Rubber

## Artificial Turf

Site Compaction	\$5,775.00
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Excavate soil	\$7,700.00
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Bonded Rubber	\$68,283.60
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Concrete border	\$9,000.00
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Drainage system	\$9,625.00
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<b>Sub Total</b>	74,058.60
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Artificial turf	\$52,456.25
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Credit for Timbers	-2,349.00
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<b>Sub Total</b>	\$78,781.2
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<b>Total Cost</b>	<u>\$71,709.6</u>
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Credit for Timbers	-\$2,349.00
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<b>Total Cost</b>	<u>76,432.25</u>
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## PHASE II

- Ann Windle-South (2001)
- Houston-South (2001 or older)
- Evers-East (2001)
- Borman-South (2002)
- E.P. Rayzor-South (2002)
- Pecan Creek-North (2003)
- Hodge-Exercise&Dome (2003)
- McNair-North (2003)
- Alexander-North (2005)
- Borman-North (2005)
- Hawk-North (2005)
- Pecan Creek-South (2005)

## PHASE III

- Rivera-South (2006)
- Savannah-Gametime (2006)
- Paloma-North (2007)
- Blanton-East (2008)
- Pecan Creek-West (2008)
- Providence-Northeast (2008)
- Alexander-South (2005)
- Hawk-West (2005)
- McNair-South (2005-2007)
- Nelson-2 Play Areas (2007)
- Paloma-South (2007)
- Gallian-North & Pre-K (2008)

## **PHASE IV**

- Stephens-3 Play Areas (2008-09)
- Ann Windle-East & Acoustic (2009)
- Houston-West (2009)
- Cross Oaks-East (2010)
- Gonzalez-5 Play Areas (2010)
- Adkins-West (2014)
- Adkins-East (2014)
- Blanton-South (2014)
- Bell-2 Play (2016)
- Hodge-Roundabout (2017)
- Pecan Creek-Roundabout (2017)
- Pecan Creek-Plastic Climber (2017)

## **PHASE V**

- Savannah-East (2017)
- Hodge-Climbing Wall (2018)
- E.P. Rayzor-North (2018)
- Union Park-2 Play Areas (2019)





# Rivera Elementary





- Manufacturer: Miracle 1995 or Older
- Condition: Poor





- Manufacturer: Landscape Structures Inc 1992
- Condition: Poor





Wood Fibers 9 Top-offs

**\$135,213.39**

Bonded Rubber

**\$165,634.19**

Poured-in-place Rubber

**\$189,151.79**

Artificial Turf

**\$179,113.89**





# Evers Elementary





- Manufacturer: Miracle 1995 or Older
- Condition: Poor





- Manufacturer: Unknown
- Condition: Poor





Wood Fibers 9 Top-offs

**\$137,538.81**

Bonded Rubber

**\$159,608.69**

Poured-in-place Rubber

**\$175,860.53**

Artificial Turf

**\$163,161.56**



A dark, blue-tinted photograph of the exterior of Sam Houston Elementary School. The school building is visible on the left, with the name "SAM HOUSTON ELEMENTARY SCHOOL" faintly visible on its facade. To the right of the building, a tall flagpole stands with the American flag and another flag. In the foreground, there are trees and a sidewalk. The overall scene is dimly lit, suggesting dusk or dawn.

# HOUSTON ELEMENTARY





- Manufacturer: Little Tikes 1995 or Older
- Condition: Poor





Wood Fibers 9 Top-offs

**\$135,855.66**

Bonded Rubber

**\$167,402.76**

Poured-in-place Rubber

**\$187,545.99**

Artificial Turf

**\$172,125.41**



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## PROS AND CONS OF PLAYGROUND SURFACING SYSTEMS:

### Poured In Place:

- I. Pros
  - a. Does not have particulate that will travel.
  - b. Seamless system.
  - c. Little regular maintenance required.
  - d. Lots of color options.
  - e. Not susceptible to melting near Low-E glazing.
- II. Cons
  - a. Ideally needs a concrete base - Potential cost increase.
  - b. More apt to inadequate installation.
  - c. Costly reseal every 3 years.
  - d. Color fading in high traffic areas.
  - e. Less durable - warranty not as long as synthetic turf.
  - f. More susceptible to variations in temperature than synthetic turf.
  - g. Gets hard due to freezing during the winter.
  - h. More susceptible to scraping injuries during falls.
  - i. Susceptible to expansion/contraction.

### Synthetic Turf:

- I. Pros
  - a. Does not require a concrete base - Potential cost savings.
  - b. Less apt to inadequate installation than poured in place.
  - c. Less color-fade than poured in place.
  - d. More durable - longer warranty than the poured in place system.
  - e. Cooler than poured in place (dependent on infill).
  - f. Less susceptible to scrapes during fall.
  - g. Less maintenance costs during product life cycle because there is no need to do costly reseals.
  - h. Less susceptible to color fade.
  - i. Not as susceptible to expansion/contraction as poured in place system.
- II. Cons
  - a. Not a seamless system.
  - b. Potential for particulate to travel.
  - c. More regular maintenance than the poured in place system.
  - d. Limited color options.
  - e. Potential for melting near Low-E glazing (polyethylene is more susceptible than nylon).