

COWBOYS

Stadium

SCOREBOARD



10 20 30 40 50

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STADIUM REACHES HALF WAY MARK

Between summer's torrential rain storms, the city's most visible building continues to rise, and this quarter the construction of the Cowboys Stadium reached a number of significant milestones.

The first section of the steel arch that forms the roof was set into place, and contractors began installing precast units for the Stadium seating.

With weather conditions drying out in August, construction manager Jack Hill said "we were able to work between rain storms to keep everything on schedule. Structurally, the Stadium

is about 50 percent complete."

The installation of the first section of steel arches atop the new Cowboys Stadium was such a significant milestone it attracted news media cameras, reporters and elected officials from the City of Arlington.

Inside this report, read about the progress of the Cowboys Stadium. Go inside and learn how a concrete and steel structure is on schedule to becoming the world's largest sports venue complex.

Continued on page 2



The Stadium Scoreboard chronicles the progress of the Cowboys Complex Development Project from bond sale to kick off. This quarterly publication is produced by the City of Arlington especially for the taxpayers of Arlington.



Stadium Reaches Half Way Mark *continued*

Interested in the new Cowboys Stadium?

View the construction by accessing the webcam on the City of Arlington website at www.arlingtontx.gov/cowboys.



The Cowboys web page also contains news about Super Bowl XLV to be played in Arlington in 2011. Connect with the website and stay informed. ☆

Standing Left to Right: District 4 City Council member Kathryn Wilemon Mayor Robert Cluck and Deputy Mayor Pro Tempore Sheri Capehart

On a mostly sunny warm Texas day on July 2, the first section of the steel arch was installed – creating the longest single span roof structure in the world.

This milestone attracted area news media cameras, reporters and members of the Arlington City Council who were invited to the stadium site to see the first piece of the monumental arch truss hoisted into place. This piece of steel arch truss serves as the primary element for the roof structure.

Although this was the smallest piece of the overall truss, Mayor Robert Cluck said he was amazed to learn that it weighed 90 tons or 180,000 pounds.

“Watching this engineering masterpiece being set in place was slightly frightening, but overwhelmingly exhilarating,” the mayor said. “As the stadium project continues to progress, the citizens of Arlington are beginning to realize the enormous long-term benefits that this project will have on our community.”

Construction workers prepared for the big lift

by placing temporary shoring towers in strategic locations to help support the massive steel structure.

On the morning of July 2, two large cranes carefully lifted approximately 180,000-pounds of steel. It measures 60 feet long and 35 feet high.

Several steel workers on the ground guided the steel section to its connection point. The support block or abutments located on each end of the steel arches contain approximately 800 cubic yards of concrete to support the vertical and horizontal weight of the free-standing arches.

Two sets of steel arches will span a quarter mile across the stadium from the southwest to the northeast. The installation of southside steel arches are scheduled for completion in mid November. The installation of the northside steel arches will begin in mid November and are targeted for completion in late March.

As the installation of the south side steel arch begins to move across the stadium, soon to be absent from the skyline will be the tower

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Stadium Reaches Half Way Mark *continued*

cranes. Construction workers say the tall yellow cranes will be dismantled and removed from the site this month. These tower cranes have served their purpose and are not equipped to lift the heavy steel arch pieces.

Bowl Seating: Another Milestone This Quarter

This quarter, construction workers began the installation of concrete pieces, which are called precast. A precast is concrete poured into a reusable mold or form and allowed to set or cure in a controlled environment for a certain period of time to gain strength.

Once the concrete reaches the desired engineering strength, the mold is removed and the resulting precast concrete is transported to the construction site and lifted into place. This method increases the quality of construction materials and lowers associated costs. These large pieces of concrete are the foundations for the Cowboys Stadium seats for football fans.

Approximately 1,829 precast units are required to complete the seating bowl area. On April 9, a crane lifted the first of many 30,000-lb units into place onto the Main Concourse Level.

To date, 59 precast pieces have been placed with 1,770 pieces more to go. The South Side precast is scheduled for completion in mid August and the North Side precast will be complete in December.

Also this quarter, the steel and concrete work on the South Side stadium was completed, forming the structure for the Event Field, Hall of Fame, Main Concourse, Mid Level, Silver, Ring of Honor, Star, Upper Level and Ring Beam.



Metroplex area news media get in position for the arch lift.

Did you know?

The highest peak on the stadium is the Ring Beam. The Ring Beam will serve as the support for the roof structure. From the field level, the Ring Beam is 179' high and from the Main Concourse it is 130' high. The steel arch is 219' above the field, and 170' above the main concourse.

Looking Ahead:

As November approaches, construction workers are scheduled to begin the installation of the roof structure to support the retractable roof, weather permitting. ☆

With 50 percent of the construction complete, the Cowboys Stadium remains on schedule for an August 2009 opening day. To date, project costs have reached \$319,682,431. Arlington has committed a total of \$325 million. The City's portion of the total expenses to date is \$158,323,042. The costs are paid out of a trust jointly controlled by the City of Arlington and the Cowboys. ☆

Keeping Score

50

Percent of the project complete to date

1,000

Estimated number of workers on the project site

180,000

Total weight in pounds of first steel arch section

30,000

Total weight in pounds of first precast concrete

1,829

Number of precast units required to complete seating

59

Total number of precast units installed to date

179

Height of ring beam - Highest peak on the Stadium

15

Days of training camp



PHOTO gallery

Southwest quadrant of Stadium - first precast unit on main concourse.



South view of the stadium.





July 2007

Southwest side of the Stadium. The first steel of the main arch is raised.

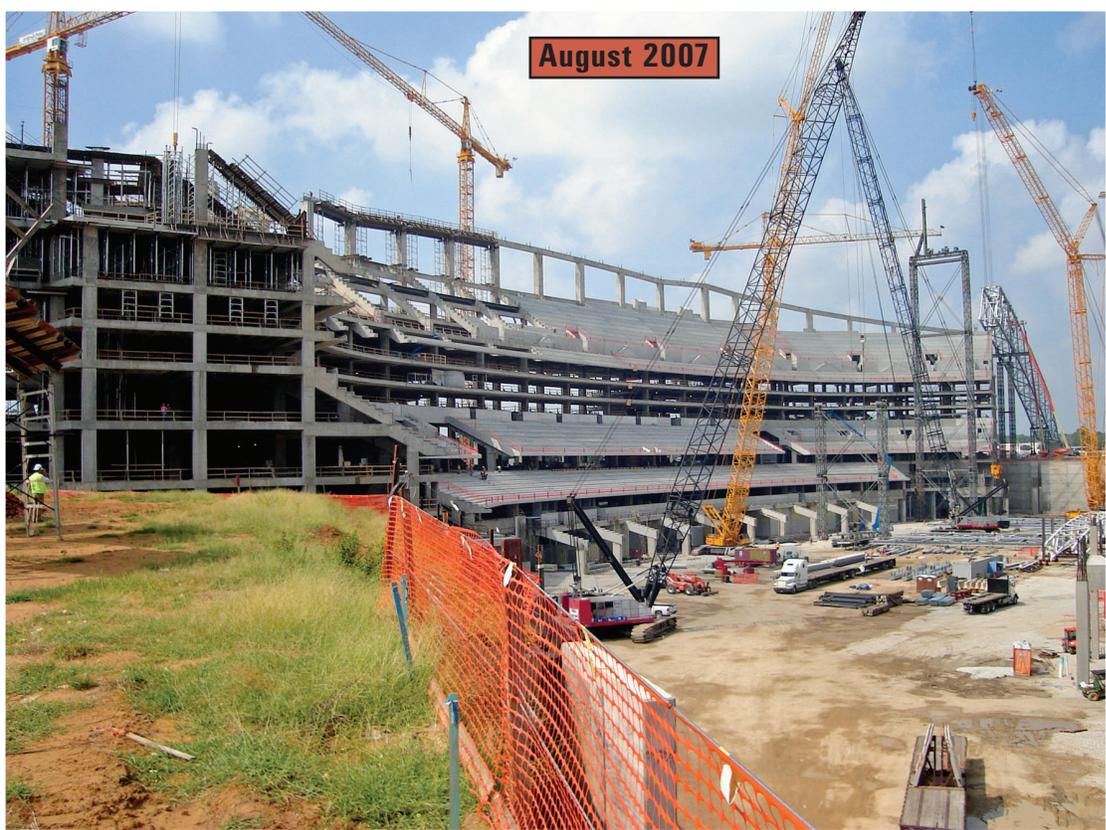


This photo gallery captures this quarter's construction milestones.

Photography courtesy of the City of Arlington and the Dallas Cowboys



Aerial photo on August 1, 2007.



August 2007

Northeast to southwest view of stadium.



ONE on one

Quality Printing and Information Management



MS Dallas Reprographics Owner Daphne Best started the business 12 years ago.

By the Numbers:

Minority and Women-Owned Business Enterprises

(as of August 8, 2007)

30 - Arlington and Tarrant County minority and women-owned enterprises with contracts

74 - Number of minority and women-owned enterprises with contracts

\$52.2 million - Dollars paid to minority and women-owned enterprises

22% - Contract dollars paid to minority and women-owned enterprises

M/WBE Spotlight

Meet MS Dallas Reprographics

MS Dallas Reprographics, Inc. has the printing and document management services contract for the \$1 billion Cowboys Stadium.

Before the first slab of concrete was poured at the Stadium site, MS Dallas was printing architectural plans and drawings for HKS Architects and Manhattan Construction Company.

MS Dallas is certified by the North Central Texas Regional Certification Agency as a woman-owned enterprise. Owner Daphne Best started the business 12 years ago with a passion for finding solutions and meeting challenges. The Dallas native hails from a family of successful entrepreneurs.

With 28 employees and offices at 2300 Reagan Street near downtown Dallas, MS Dallas specializes in state of the art digital bond prints, large format printing and fine art reproduction.

In addition to copying and printing, the company provides document management services which feature an on-line plan room system that allows customers to track their project from design to completion.

Some of the their largest clients have included the Dallas Fort Worth Airport, Love Field, Dallas Independent School District, Dallas Area Rapid Transit, the Latino Cultural Center, the Victory Project and Children's Medical Center.

"The Cowboys Stadium is the most exciting project we have ever worked on," MS Dallas CEO and Owner Daphne Best said. "I am a big fan and the Cowboys are America's team. We're appreciative of the opportunity."

To date, MS Dallas Reprographics has delivered enough pages of architectural plans and drawings for the Cowboys Stadium to dwarf Emmitt Smith's NFL Rushing Record five times over, when laid end-to-end.

"We offer business-to-business document management services to help our clients track and store documents related to every phase of construction," she said. "The system we use allows our clients to have a historical, archival record, without "after-the fact" archive compilation."

MS Dallas offers mounting and laminating services and scanning solutions whether the task is a quarterly report, training manual or the architectural plans for the largest football stadium in the NFL.



MS Dallas has 28 offices and a commitment to quality printing and information management.

Project Executive Mark Penny with Manhattan Construction states MS Dallas was chosen from a field of nine very qualified local reprographic firms.

"MS Dallas was chosen because of their ability to provide the complex services we required for this project at a very competitive price," he said. "It continues to be a great partnership."

Learn more about MS Dallas. Visit their website at www.msDallas.com or call 214-521-7000. ☆

Coming Next Quarter:

Wendy Lopez is co-founder and CEO of the LopezGarcia Group, a Hispanic-owned firm specializing in engineering, environmental services and planning. Next quarter, read about their contributions to the Cowboys Stadium. Watch for it in November.



ROAD Improvements

Contracts for I-30 Corridor Improvements Awarded

Two construction contracts have been awarded for roadway improvements along Interstate 30 in Arlington.

This quarter, H.B. Zachry Construction of San Antonio began moving dirt as part of Phase I construction.

Phase I of the project includes the construction of a new bridge at Center Street. The Collins Street east-bound entrance ramp to IH-30 remains closed. Detours and signage are helping to safely re-route traffic.

Phase II includes the reconstruction of the bridge at Collins Street, a new bridge at Baird Farm Road and the main lane reconstruction of IH-30 from Cooper Street to Ballpark Way. The Phase II Contract was awarded to W.W. Webber LLC Contractors of Houston.

According to Texas Department of Transportation, this project is part of the state's plans to improve mobility within the IH-30 corridor from Oakland Boulevard in Fort Worth to the Dallas County line. Did you know? More than 130,000 vehicles travel IH30 daily between Grand Prairie and Cooper Street.

The Center Street Bridge #1

According to TXDOT, the Center Street Bridge will take approximately 14-months to complete. The bridge will have six lanes, Texas U-turns or turnarounds and pedestrian friendly walkways. Construction workers began moving dirt in June. The Center Street Bridge is scheduled to open in the fall of 2008.

Two More Bridges

A new Baird Farm Road Bridge will have seven lanes to provide motorists with new access to and from IH-30.

According to design plans, the existing Collins Street Bridge will be demolished when the Baird Farm



Roadway improvement projects continue to progress in the Entertainment District area.

See related story on page 8.

Road Bridge is completed. New managed HOV lanes will connect with the bridge.

When complete, the Collins Street Bridge will have eight lanes with turnarounds or Texas U-turns and I-30 will be widened to four lanes.

Architectural features include murals on the retaining walls along the Center and Collins Street bridges. At approximately 20-feet by 40-feet high, the murals will showcase Arlington's people, its history and culture.

Other planned visual elements include the planting of nearly 40,000 shrubs and trees, decorative bridge walls, lighting, covered walkways and four 66-foot towers on the Center Street Bridge.

As more funding is identified, TXDOT officials say IH-30 could eventually be widened to eight lanes to Loop 820 in Fort Worth and increase to ten lanes to the Tarrant County line.

Watch for Construction Updates

Log on to www.txdot.gov, keyword "Three Bridges" or visit the City of Arlington website at www.arlingtontx.gov. ☆

Who is WW Webber Contractors?

The Houston-based firm has more than 40 years of experience in transportation construction. Some of their most recent projects include the \$200 million replacement of more than 50 miles of pavement along Interstate 45 south of Dallas. WW Webber has constructed more than 35 miles of north Texas toll roads, 750 miles of new highways and completed runway and taxiway improvements at eight Texas airports. Learn more about them at www.webber.com.

Who is H.B. Zachry Construction?

H.B. Zachry Construction Corporation has more than 80 years of experience in construction and industrial maintenance. The San Antonio based corporation and its subsidiaries have completed more than 5,500 projects. They have built bridges, dams and highways, including the Dallas High Five project at the intersection of U.S. 75 and I-635 which widened Central Expressway from four to eight lanes and added a high-occupancy vehicle lane that connects to LBJ Freeway. That project was completed in 2005, one year ahead of schedule. Read more about them at www.zachry.com.

Four Years in the Making

Murals tell the History of Arlington's People

Before there were any discussions about a Dallas Cowboys Stadium in Arlington, a team of local landscape architects and engineers was working on a concept to tell the city's history.

"While the state was developing plans to improve the IH-30 corridor, we were looking for a way to tell the story of Arlington as part of the project," said Landscape Architect Vic Baxter of Arlington-based Schrickel Rollins and Associates.

"It was a tough decision determining what images best represent the city."

— Landscape Architect Vic Baxter

Baxter is the lead landscape architect who is directing the design of the enhancements for the IH-30 improvements.

The team includes Joe Bradley and



Mineral Well on the town square

Kent Besley of Schrickel Rollins Associates, Jeff Williams

of Graham and Associates, and Jim Richards of TownScape, Inc.

The concept includes eight murals to be positioned in the retaining walls near the bridges at Center Street and Collins Street.

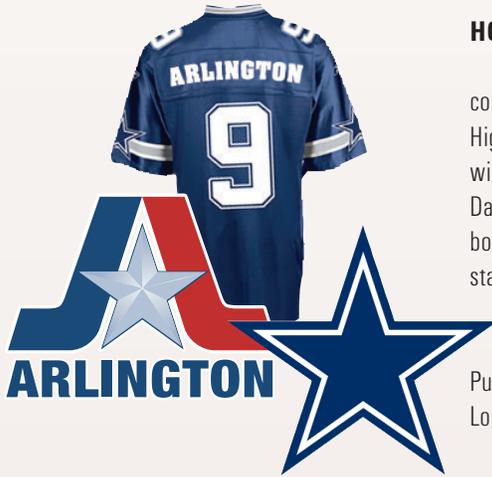


The early days of the railroad

"With a lot of coordination between agencies, many meetings and many hours of hard work, we found a way to tell the story of Arlington's people and how they added to the development of this community. In these murals, we've captured some strategic times of Arlington," Baxter said.



More Transportation Updates



The *Cowboys Stadium Scoreboard* is a quarterly publication published by the Cowboys Stadium Working Group.

HOV Lanes Are Near

This quarter, ride-sharing commuters began driving on new High Occupancy Vehicle Lanes that will eventually stretch between Dallas and Fort Worth. The west-bound I-30 HOV lanes signal the start of a 50-mile expansion of TXDOT and DART's HOV lane network, according to TXDOT Public Information Officer Val Lopez.

The HOV lanes are designed to help the region meet EPA air quality standards. The HOV lanes on the western stretch of I-30 also become the region's first managed HOV facility to allow single-occupant vehicles for a fee.

Utility Improvements Support Development

Motorists should expect lane reductions in the Entertainment District as water and sewer improve-



ments are being scheduled. This quarter, sanitary sewer system improvements in the area of North Collins Street started August 3. City engineers say the improvements will support continued development in the Entertainment District.

Watch for lane closures on Randol Mill as roadway and utility improvements get under way in September and October. Visit the City of Arlington website for more details.

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