

Holben, Martin & White's 37+ years' of project experience includes:

- √ Veh. Bridges
- √ Ped. Bridges
- √ Observatories
- √ Dormitories
- √ Laboratories
- √ Educational Facilities
- √ University Facilities
- √ Recreational Facilities
- √ Renovations/Rehab.
- √ Sports Facilities
- √ Health Care Facilities
- √ Military Facilities
- √ Judicial/Correctional
- √ Aircraft Hangars
- √ Investigations
- √ Offices
- √ Airports
- √ Libraries
- √ Museums
- √ Towers
- √ Commercial/Retail
- √ Municipal Facilities
- √ Warehouse/Storage
- √ Parking Garages
- √ Industrial Facilities

Yaqui Park Pedestrian Bridge & Improvements, Tucson, Arizona

Pima County Procurement Department has chosen Holben, Martin and White as the Prime Consultant for design services to Yaqui Park Pedestrian Bridge.

We have also teamed with Sage Landscape Architects and Swaim Architects on other improvements, including light poles and restrooms, to the Park and the addition of a new Community Center facility, respectively.

The pedestrian bridge will facilitate bicycle/pedestrian traffic, connecting the two sides of the park and it will roughly be aligned with 11th Avenue. The new bridge will clear-span the existing Diversion Channel.

The 2,000-SF Community Center will be a single-story structure with a construction budget of

\$590,000. The facility will be master planned for future expansion.

We are working closely with Sage in siting of the bridge and as to the bridge approach.

The bridge itself will be a pre-engineered, prefabricated steel bridge superstructure. Bridge cost is estimated at \$185,000.

Our geotechnical engineering subconsultant on the bridge project is Terracon Consultants,

Construction is expected to be completed by October 31, 2006 and this project will be funded using 1997 Bond Funds.

Warren White, P.E. is the Project Manager and Structural Engineer for this project.

Inside this issue:

<i>Yaqui Park Pedestrian Bridge & Improvements, Tucson, AZ</i>	1
<i>U of A Park Student Union, Tucson, AZ</i>	2
<i>Ft. Bliss Shoppette, Ft. Bliss, TX</i>	2
<i>Col. Johnston Elem. School, Ft. Huachuca, Arizona</i>	3
<i>Northwest Fire Station No. 34 Renovation, Marana, AZ</i>	3
<i>New Staff Addition: Kelly A. Morales</i>	4
<i>Univ. of Arizona Inter-collegiate Athletic Facility Improvements (ICA), Tucson, AZ</i>	4

Holben, Martin & White is affiliated with the Martin Associates Group, headquartered in Los Angeles, CA. The network of 16 offices throughout the U.S. provides professional structural and civil engineering design services with over 400 personnel.

University of Arizona Park Student Union Tucson, Arizona

University of Arizona Park Student Union Renovation/Expansion was completed in 2004.

The building located at 601 N. Park Avenue, was originally building in 1965.

This Project consisted of a 17,000-SF addition with 4,796-GSF of exterior terrace to the west of the existing building, and 29,033-GSF



of renovation of existing space for use by Arizona Student Media.

The total construction budget was approximately \$6,100,000.

MHTN Architects of Salt Lake City were the Project Architects and Core Construction was the general contractor.

Bryan E. Holben, PE was the structural engineer for this project.

Fort Bliss Shoppette (a.k.a. Jeb Stuart Shoppette) Ft. Bliss, Texas

This new retail project involves approximately a 5,600-SF Shoppette at Fort Bliss.

The new facility shall be constructed with a steel roof system and exterior non-bearing steel stud framing supporting E.I.F.S. System.

Services included Title I Site Investigation and Concept Design,

Title II Construction Contract Documents and Title III Construction Services.

Estimated construction cost is \$1.9 million and project will be completed this year.

The Breckenridge Group were the Project Architects and Thomas C. Griffis, P.E. was the structural engineer.

Colonel Johnston Elementary School Ft. Huachuca, Arizona

This Project consists of a new pre-kindergarten, kindergarten, first and second grade school with a multi-purpose room (including stage and kitchen), media center, classrooms and administration. The total square footage is approximately 59,000-SF and is located on Ft. Huachuca military base.

Durrant Architects are the regis-

tered architects for this project. Art Cantrell, EIT, is performing the structural design and Warren White, P.E. is the Structural Engineer.

Project is utilizing the Construction Manager-at-Risk delivery method. The construction cost is \$9,000,000 and this project will be completed in August 2007.



Northwest Fire Station No. 34 Renovation Marana, Arizona

This project consisted of gutting and expanding the existing fire station for Northwest Fire District located 8165 N. Wade Road in Marana.

This Design/Build project involved a 3,775-SF addition to the existing 10,869-SF facility.

The apparatus bays are double deep, individual dorms were provided, and a day room allows the firefighters room

to relax. Facility was also brought up to code.

The construction cost was \$1,500,000 and construction was completed in June of this year.



The project architects are The Breckenridge Group. Thomas C. Griffis, PE is the Structural Engineer for this facility. A

sincere thanks to The Breckenridge Group for the Information provided.

**HOLBEN, MARTIN & WHITE
 STRUCTURAL ENGINEERS, INC.**

2950 N. Country Club Road
 Tucson, AZ 85716
www.hmwstructural.com

Phone: 520-327-9491
 Fax: 520-795-6140
 Email: jmarshall@hmwstructural.com
 Editor & Marketing Coordinator

New Staff Addition: Kelly A. Morales

Holben, Martin & White are proud to welcome Kelly A. Morales to the firm as Structural Engineer.

Kelly obtained her secondary education from Brigham Young University in Provo, Utah, with a Bachelor's Degree in 1995.

Kelly's career includes nine years of structural engineering and special inspection experience. She is also a registered Civil Engineer in both Arizona and California.

Kelly is a member of the Structural Engineers Association of Arizona and is the current newsletter editor and next year's Vice President.

Kelly joined the firm in January and has been working on the following projects: Continental Reserve Elementary School in Marana, Canoa Ranch Recreation Center in Green Valley, Peacock investment Builders Retail Building, Canyon Community Bank, Remax Building, Victory Assembly Church Community Center Remodel, Oracle Cresta Loma Building No. 3; and the Buena Vista Climbing Club Mezzanine/Tenant Improvements.

Recently married in romantic Hawaii, Kelly's hobbies include tennis, running, watching movies and going out to eat!

University of Arizona Intercollegiate Athletic Facility (ICA) Tucson, AZ

This Construction Manager-at-Risk project includes several different facilities as described below:

- Hillenbrand Aquatic Center Expansion involves extending the existing swimming pool by approximately 20 meters to the east and deepening the pool to a consistent depth. Upgrading of the existing pump and filtration systems and rebuilding of a new diving well in an adjacent location are also included. The new pool will have a movable bulkhead to allow for competition and warm-ups to occur simultaneously. The new diving well will have improved seating for patrons.

- Mary Roby Gymnastics Training Facility will be expanded by 30 feet to the east, allowing the reconfiguration of pits and the expansion

of runways resulting in a safer, more competitively appropriate facility. The existing drainage basin will be relocated as part of this project.

- Indoor Basketball Practice Facility will be constructed to provide two basketball courts and six new volleyball courts. These will be constructed north of the existing Mary Roby Gymnastics Training Facility and east of McKale Memorial Center. The placing of the building's main floor level below grade will facilitate underground access to the McKale Memorial Center for student athletes for locker and shower facilities. This anticipated design is for a 20,500-SF facility with a 122 ft. clear span.

The construction budget for the three facilities is \$4.5 million for the pool/diving tower; \$700,000 for the gymnastics addition; and \$7.5 million for the new basketball facility. The total construction budget for this project totals \$12,763,000 and it is expected to be completed in 2007.

TMP/Breckenridge Group Joint Venture are the Project Architects. Thomas C. Griffis, P.E. is the Structural Project Manager and Engineer.