



THE CITY OF SAN DIEGO
MANAGER'S REPORT

DATE ISSUED: November 14, 2005 REPORT NO: 05-225

ATTENTION: Honorable Mayor and City Council

SUBJECT: Engineering and Capital Projects Department projects honored by the American Public Works Association (APWA) San Diego and Imperial Counties Chapter with 2005 Project Awards

THIS IS AN INFORMATION ITEM ONLY. NO ACTION IS REQUIRED ON THE PART OF THE COUNCIL.

This year the City of San Diego's Engineering and Capital Projects Department received 12 awards for various engineering projects presented by the APWA, an international educational and professional association of public agencies, private sector companies and individuals dedicated to providing high quality public works goods and services.

Originally chartered in 1937, APWA is the largest and oldest organization of its kind in the world, with 67 chapters throughout North America. The local chapter of APWA (San Diego and Imperial Counties Chapter) has a tradition of recognizing outstanding public works projects through its annual awards program.

Local APWA Chapter awards are divided into categories that include Transportation, Environmental, Structure, Utilities and Emergencies. This year's winners, announced at an event held on September 8 in San Diego, are:

North Torrey Pines Road Bridge Project.
Project of the Year - Transportation, Environmental, and Structures (Over \$8 million)

Located in the Torrey Pines Reserves State Park, the original bridge, spanning the Los Penasquitos Lagoon inlet, was built in 1935. Working with the community and resource agencies to explore different options, a design team came up with a haunched structure bridge that reduced the number of columns obstructing the mouth of the lagoon from 72 to 4, allowing for tidal flushing to occur naturally, without having to mechanically dredge the inlet. The design team also incorporated natural



elements from the surrounding sandstone formation into the overall design and added ADA access ramps to the beach, a 7' wide sidewalk on the west side, 2 bike lanes, and 2 bus turnouts to accommodate the public transit system.

Petco Park , City of San Diego and CCDC-- in partnership with the San Diego Padres
Project of the Year - Structures (Over \$8 million)

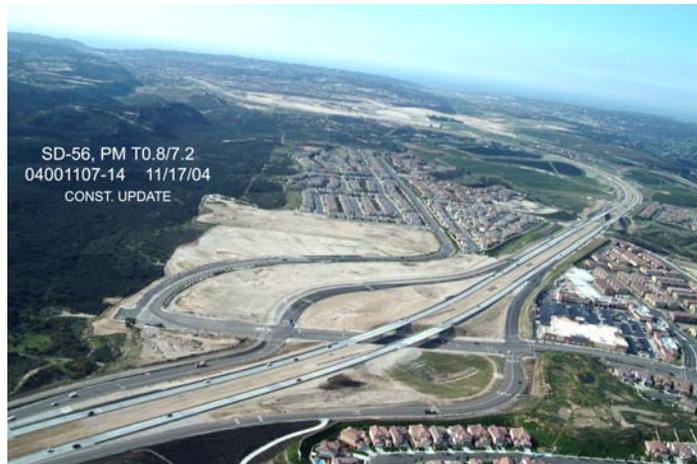
Through a public-private partnership between the City of San Diego, the San Diego Padres, and the Center City Development Corporation (CCDC), San Diego now has a state of the art major league ballpark as well as a never before ballpark district. The City utilized a design-build approach with Jacobs Engineering Group which offered



maximum benefits to expeditiously finalize the urban and civil designs, clear acquired properties, construct infrastructure improvements, and accomplish project goals under an extended schedule and a fixed budget. The Padres, who were responsible for the design and construction of Petco Park, contracted with Project Design Consultants (PDC) for the Ballpark District infrastructure feasibility master planning and on-site civil design and construction staking. CCDC expeditiously acquired needed properties and selected PDC to prepare the Environmental Impact Report that withstood numerous legal challenges. All project goals were met, allowing the Padres to play ball in their new home on opening day 2004.

State Route 56
Project of the Year - Transportation (Over \$8 million)

As early as 1965, the need for an additional east-west highway link between Interstates 5 and 15 was recognized. SR 56 links the coastal communities with those inland areas of Rancho Penasquitos and Carmel Mountain, relieving congestion on two parallel freeways and many local streets, and aiding in regional mobility. The primary purpose of the project was to provide a safe, efficient, environmentally sensitive transportation connection and improve mobility of local and regional traffic. It is estimated that by the year 2030, up to 110,000 vehicles per day will travel this section of highway.



Famosa Slough Salt Marsh
Project of the Year - Environmental (Under \$2 million)

Salt marsh habitat has been reduced by 95% statewide over the past 50 years, and the Famosa Slough Salt Marsh Restoration Project restored an area of tidal salt marsh previously filled with



construction debris, creating a habitat that preserves sensitive plants and wildlife, and enhances the education of such systems to park visitors. This project was conducted and completed under environmental time constraints for nesting bird species, daily high tides, and during what was the third wettest rain season on record. Project partners were The Friends of Famosa Slough, San Diego Gas & Electric, City of San Diego Park & Recreation and Development Services Departments, U.S Army Corps of Engineers, CA Department of Fish & Game, U.S Fish and Wildlife Service, Regional Water Quality Control Board, CA Coastal Commission and area residents.

Safe Routes to School-Gompers Secondary & Horton Elementary

Project of the Year - Transportation (Under \$2 million)

In order to improve pedestrian safety around Gompers Secondary and Horton Elementary Schools, several measures were taken to create pedestrian visibility and increase sidewalk areas. Stamped and colored crosswalks were installed at four intersections surrounding the schools, along with countdown pedestrian timers. Sidewalks were widened, 35 new curb ramps with truncated domes were installed to accommodate ADA requirements, and a parking lane was installed adjacent to Horton Elementary to provide continuity in the sidewalks at that location.



La Jolla/Riford Branch Library & the Joan and Irwin Jacobs Annex

Project of the Year - Structures (\$2 - \$8 million)

A 15,700 square foot expansion using a lot adjoining the existing building of the original 10,000 square foot La Jolla library,



located at 7555 Draper Avenue, included a multi-level addition with a children's library, young adult area, La Jolla history room, reading room, meeting rooms, and stack areas for a 120,000-book capacity. Public art and display space offers art and photo galleries, wrought iron stair rails and a gate, sculpted light fixtures, and a stained glass wall. Remodeling of the existing library structure provided a

computer lab with high-speed Internet connection, Friends of the La Jolla Branch Library store, and expanded collections. The renovated branch library and the new annex opened to the public on March 27, 2004.

Via Alicante Storm Drain

Honor Award - Utilities (Under \$2 million)

The Via Alicante Storm Drain Replacement Project replaced approximately 123 feet of 15 foot diameter multiplate steel storm drain pipe that failed due to corrosion. The new 14 foot by 14 foot reinforced concrete box culvert lies under the full width of Via Alicante near Gilman Drive. A temporary fix was put in place in a prior year and the replacement project was underway before the record setting rainfall of 2005.



South Pacific Highway Trunk Sewer Phase II and Sewer Group 747A

Project of the Year - Utilities (\$2 - \$8 million)

Trunk sewers and sewer mains were replaced along South Pacific Highway and West Harbor Drive from Kettner Boulevard to Grape Street allowing for an increased flow from the redeveloping Ballpark District and half of the flow from Coronado. Trenchless technology was used to not only avoid potential damage to existing large underground utilities including water transmission mains and fuel oil lines, but to also minimize traffic impact in these areas.



The Demolition of Sewer Pump Station No. 34 & Upgrade of Pump Station No. 5

Honor Award - Utilities (\$2 - \$8 million)

Originally built in 1948, Sewer Pump Station 34 was demolished and replaced with the installation of 710 feet of 15-inch gravity pipe and upgraded force mains to carry the flow to nearby Sewer Pump Station 5. Using micro-tunneling technology, a 580 foot gravity pipe was installed, however during the tunneling process, the groundwater was found to be



excessively contaminated which called for a complex water filtration system.

Road Widening and Water Improvements on Jamacha Road

Honor Award - Transportation (Under \$2 million)

The Jamacha Road Widening Project involved widening the existing road and constructing new curbs, sidewalks, curb ramps, drainage and gutter systems, retaining walls, pavement resurfacing, signing and striping and driveways. A total of 2,600 of roadway was replaced due to deteriorated surfaces from constant bus traffic and rain water collection. A mixture of super-elevated and crown-formed roadways were constructed to direct rain flow off the road while sidewalk, gutter, 36 inch storm drain, curb inlets and drain cleanout structures were constructed to capture the runoff. Bus stop pavement was constructed at bus stop areas to continue to provide a means for public transportation in the area. In addition, deteriorated water mains were replaced with new pipes and existing fire hydrants and water services were replaced. Overhead utilities were placed underground and new street lights were added. The coordination of the various improvement projects (roadway, water and overhead utilities) reduced the overall disruption to area residents.



Emergency Response to the '04/'05 Storm Disaster

Emergency Operation of the Year

The City's response to the heavy rainfall in the fall of 2004 and the winter of 2005 demonstrated a successful exercise in multi-departmental collaboration and cooperation. The General Services Department fielded the initial calls and for the severely damaged areas and infrastructure, partnered with Engineering and Capital Projects to assess damage severity, design solutions for temporary stabilization, design and construct repairs/reconstruction for compromised City structures and mitigate property damage. Development Services and Risk Management were also partners to assess building safety, slope stability, and property owner issues. In the period of February 11th through February 22nd a total of 1,675 storm-related requests were received which included reports of flooded streets & block drains, trees & limbs down, debris in roadways, safety-threatening potholes and sinkholes, and malfunctioning signals. It was a record-making storm season that required a record-making response.



Nathan Bruner, Program Manager of the Utilities Undergrounding Program
Outstanding Service in the Public Sector

The Award for Outstanding Service in a Public Agency was presented to Nathan Bruner for his role in shaping the City's Utilities Undergrounding Program. Bruner is largely responsible for the strong public-private partnership that exists with SDG&E, Cox Communications, Time Warner Cable and SBC; all partners in conversion projects. Bruner has worked with the Mayor and City Council with the vision and the direction for the city to be completely undergrounded in 20-25 years, creating clearer views for San Diego's residents, merchants and visitors.



Respectfully submitted,

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Approved: Larry Gardner
Acting Deputy City Manager