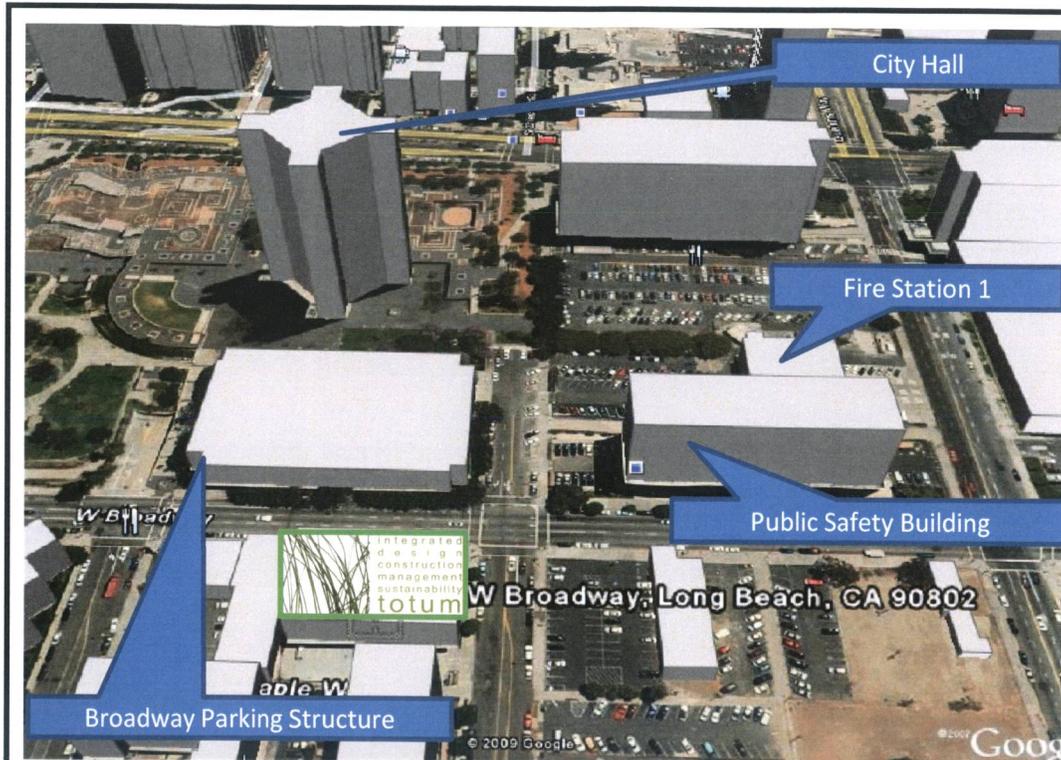




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Totum is pleased to announce the launch of our Long Beach office, at the Sea Spray Building, 333 West Broadway. Totum staff have worked on large and small projects for the City, including *the seismic renovation of the Public Safety Building, Fire Station 1, the new Mark Twain Library, FEMA studies of City Hall, Facility Assessments at over 130 locations, Seismic Planning for the Main Library Roof, Communication Room at the roof of City Hall, Priority Upgrades, F&LS Upgrades at the Queen Mary and Adaptive Re-Use Studies.* With our as needed contract and as a local SBE / VSBE firm and now a local firm, we want to continue to provide excellent construction / project management and design services for the City. www.totumconsulting.com
danny@totumconsulting.com
giulio@totumconsulting.com





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Project Profile



Mark Twain Library, Long Beach, CA

16,070 sq ft

\$8.2M shell / core

Type 5 fully sprinklered, wood framed, stucco, built up roof.

Duration: 11 months to substantial completion

Change Orders: <2%

LEED Silver

Totum Role: Construction Managers overseeing project from design to completion. Initially with 3DI and then as a consultant to Parsons-3DI.

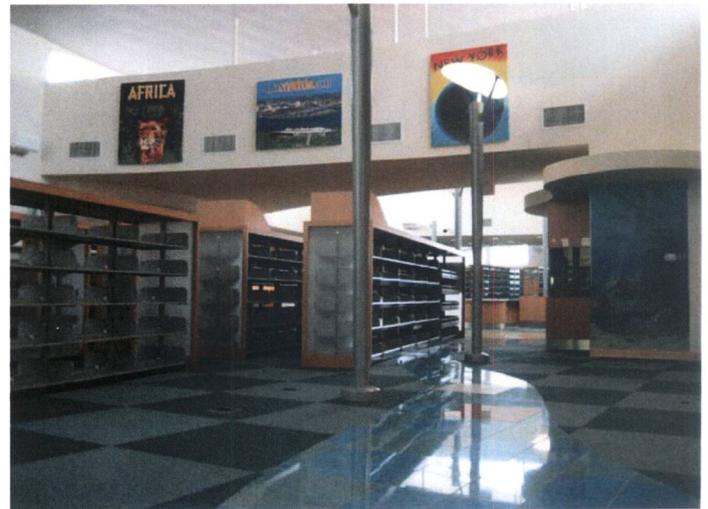
Contractor: Swinerton Builders

Architect: CWA, Glendale

Client: City of Long Beach, Department of Public Works

Special Issues: LEED boot camp, partnering, Section 3 labor outreach required and complied, public art pieces, neighborhood input.

Special Features: Yellow brick road, salt water aquarium, 3D pop out book bench.





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Project Profile

Roof Structural Demo Assessment – Main Library, Long Beach

1970's structure. Prior FEMA Tier 1 study completed Roof Demolition Assessment and Benefits

Duration: ~3 months (Total duration of investigations)

Totum Role: Totum staff were Construction Managers evaluating data, logistics and plan of attack as well as retaining structural engineers. Estimating and scheduling, asbestos sampling. Precon Meetings.

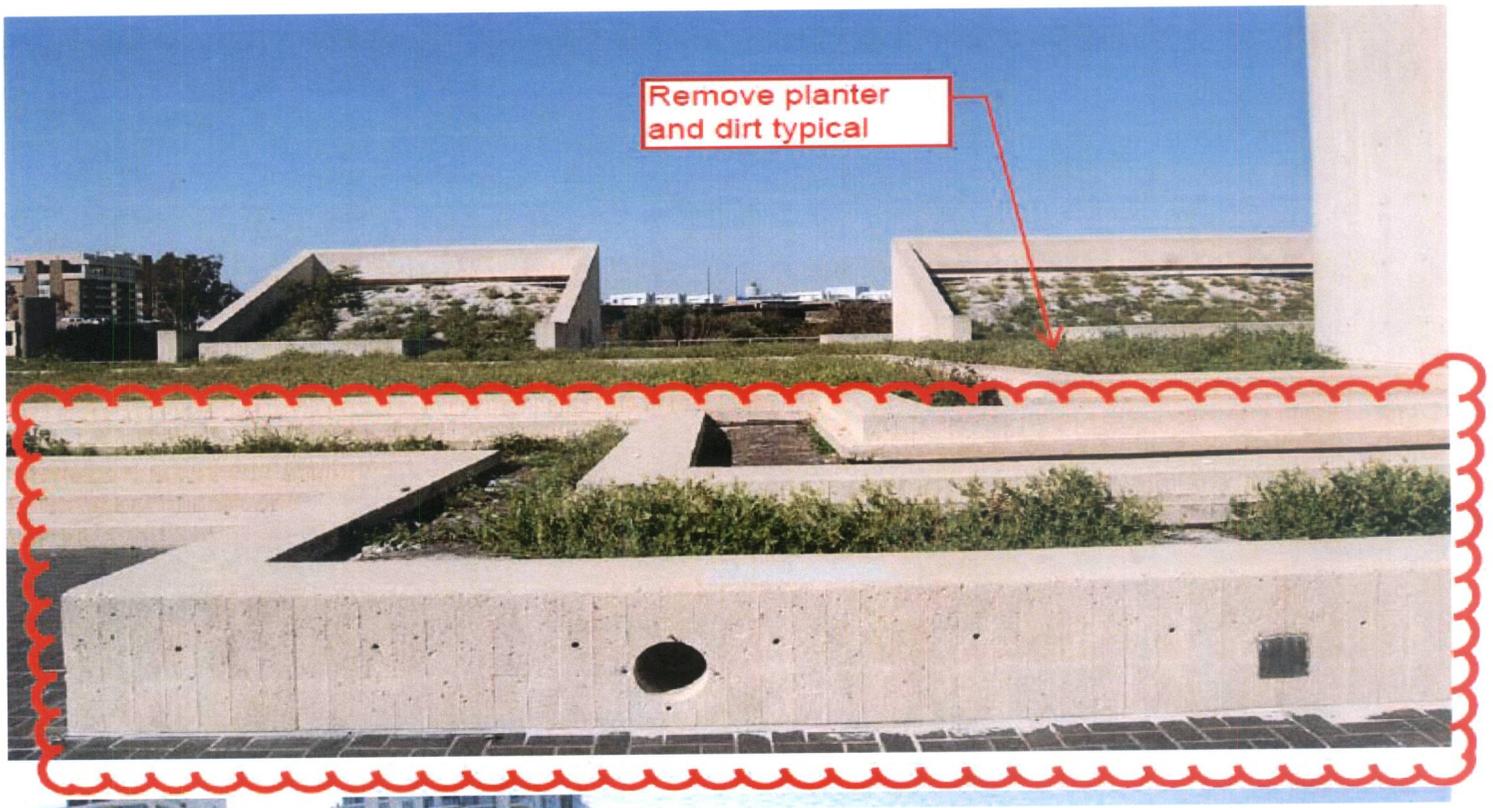
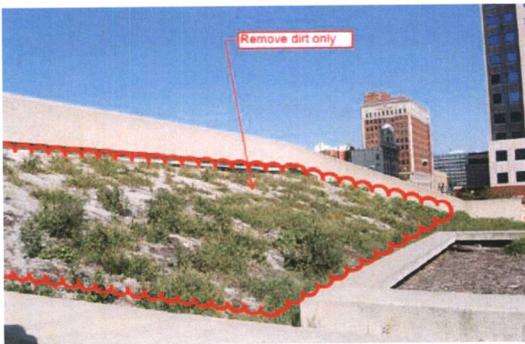
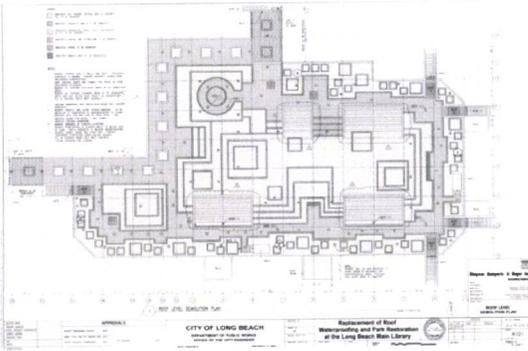
Contractor: N/A

Engineer: TMAD San Diego

Client: City of Long Beach, Department of Public Works

Special Issues: Occupied library, limited funds. Difficult logistics.

Results: Improves structural capability of roof seismically **by** ~22%



Facility Assessment / Adaptive Re-Use

City of Long Beach – Adaptive Re-Use Assessment

Totum has carried out “adaptive re-use” feasibility studies for 2 buildings for the City of Long Beach. The intent was to see if the buildings could be renovated for another use. We brought in the appropriate team members to provide a detailed findings report

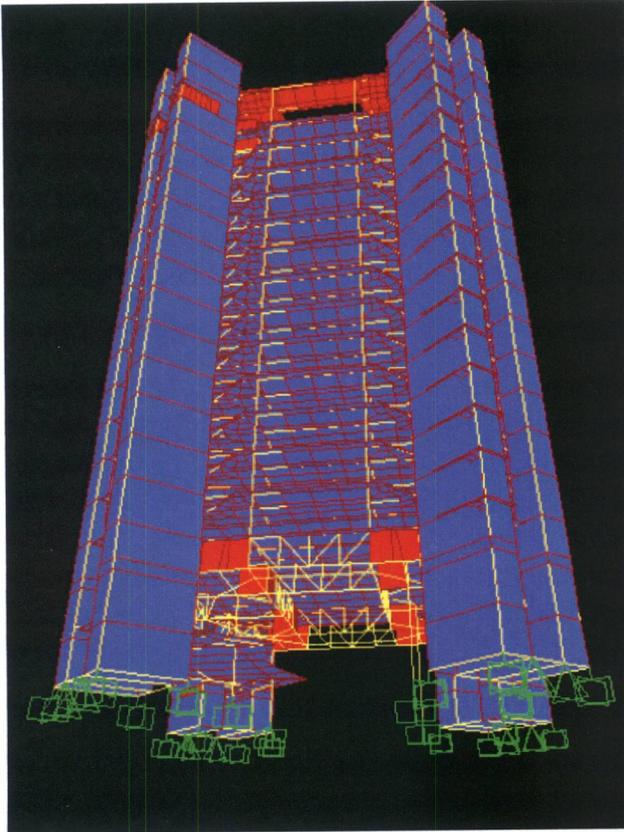
City of Long Beach – Facility Assessment – FCI

Totum staff [while with another firm] performed over 2 years, facility assessments at **over 1,000,000 sq ft** and **over 130 facilities** for the City of Long Beach. The report provided Facility Condition Index’s (FCI’s) based on the national standards. This enables the City to plan maintenance, renovation and new-buildings. We also assisted with an annual facility condition report, used by City council for bond measure requests.

Low / High Rise Assessment – FEMA 310

Totum staff [While with another firm] organized and performed a FEMA 310-Tier 1 and Tier 2 seismic reviews for the 250,000 square foot high rise City Hall structure and Library.

Totum has assisted clients with all reporting and presentation to committees, boards and councils with the findings and interpretations of our reports.



Health Department Adaptive Re-use -2007

PARSONS - 3D/I

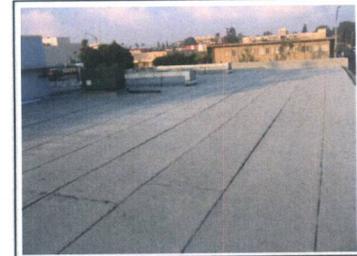
City of Long Beach, California

December 2007

Dana Branch Library– New Roof, Platforms and Condenser Unit



Dana Library - Before



Dana Library - After

FCI: 70

FCI: 23

Project Profile

Public Safety Building, Long Beach, CA 2005

162,000 sq ft 2+6 stories

\$17.5M Seismic / Shell / Core

\$8.5M Tenant Improvement

Duration: 24 months (construction portion)

Awards: CMAA 2005 construction management for public works project <\$50M

Totum Role: Totum staff was Construction Managers with 3D/International for this project, with day to day on site CM /PM services.

Contractor: Swinerton Builders

Architect: Nadel / Langdon Wilson

Client: City of Long Beach, Department of Public Works

Special Issues: Required over 16 months of planning, and the creation of temporary facilities including a temporary fire station, at locations around the City for the fire and police department as well as the mandatory requirement to keep portions of the building fully active for police and jail functions to keep the facility licensed. Created an additional 1,500 sq ft community center by infilling covered exterior portions of the building.

Special Features: Fully abated, new MEP systems, cool roof, seismic upgrade to "critical facility" standards, New generator, restrooms, stair pressurization, new kitchen, walk in refrigerators, new curtain wall system, new state-of-the-art jail hardware and seismic monitoring equipment installed by CSULB.





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Project Profile



FEMA Study - City Hall, Long Beach, CA 2006-2007

1970's structure ~200,000 sq ft, 1+15 stories

Steel and Concrete SMRF structure, 248' high

FEMA 310 Tier 1 and Tier 2 Study

Duration: ~10 months (Total duration of investigations)

Totum Role: Totum staff was Construction Managers with 3D/International for this project, and then as consultants to Parsons, with day to day CM /PM services.

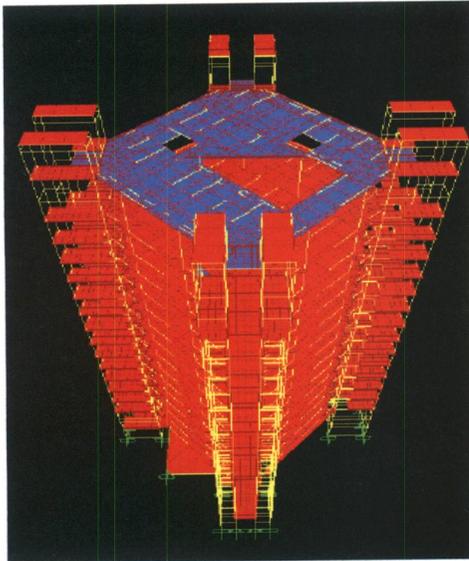
Contractor: N/A

Engineer: Erkel Greenfield / TMAD San Diego

Client: City of Long Beach, Department of Public Works

Special Issues: Need to determine structural integrity of the original construction and how the building would react in a major earthquake at this time.

Results: Not for general publication although they are public record.



➤ # of Joints in the Model = 13,774

➤ # of Frame Elements in the Model = 9,103

➤ # of Shell Elements in the Model = 12,282

➤ # of Equations to Solve = 82,499

➤ # of Basic Load-cases = 7

