

Design Criteria Package

The University of Texas
MD Anderson Cancer Center
Demolish Dental Branch Building

MD Anderson Project No. FPDC-120548

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PART 1 - PROJECT DESCRIPTION AND SITE INFORMATION

- 1.01 This project involves the complete asbestos/mold abatement and demolition of the Dental Branch Building (DBB), which was formerly known as The University of Texas Health Science Center – Houston (UTHSC-H) Dental School, located at 6516 MD Anderson Boulevard. The DBB is a 6-story building that contains 325,000 gross square feet of floor space. The structure was built in the early 1950's as an office building and has reached the end of its useful and intended life.

PART 2 - INFORMATION RELATED TO THE DESIGN REQUIREMENTS

- 2.01 The demolition of the Dental Branch Building is to be planned, designed and de-constructed in compliance with all local, state and federal codes and regulations. Coordination of all activities will be maintained with the Texas Medical Center (TMC), TECO, ATT, Center Point, etc.
- 2.02 A Traffic Control Plan will need to be developed and maintained during the course of the project.
- 2.03 The integrity of the existing Flood Wall that surrounds MD Anderson's Main Building complex will need to be maintained during the course of the project. It is expected that a new, permanent portion of flood wall will need to be designed and constructed in a new location.
- 2.04 The project will also involve the development and possible implementation of a solution for removing or abandoning a tunnel that runs beneath a service driveway and connects the DBB to the MD Anderson Main Building Complex.

PART 3 - INFORMATION RELATED TO THE CONSTRUCTION REQUIREMENTS

- 3.01 This project is to include demolition and construction components. The demolition component is to include the entire de-construction and demolition of the Dental Branch Building. The construction component is expected to include the restoration of the DBB site to an acceptable condition as determined by Owner during the Pre-Design and Design phases of the project, the construction of a new section of floodwall that will take the place of the floodwall that is integral to DBB, as well as the construction and removal of a temporary floodwall that is to be used to protect Owner's Main Building complex during the time the DBB is being demolished.

PART 4 - SPECIAL EQUIPMENT REQUIREMENTS

- 4.01 Not Used

PART 5 - INFRASTRUCTURE REQUIREMENTS

- 5.01 Existing underground utility tie-ins to other buildings are to be strategically severed so as

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not to cause any disruption of service to other buildings.

- 5.02 The Design/Build Contractor will be responsible for temporary utilities throughout the project.

PART 6 - BUDGET ESTIMATE

- 6.01 MD Anderson has established a design-build (demolition) budget limitation (DBBL) of \$7,128,000 for the project. This amount is the maximum amount that is expected to be paid to the Design/Build Contractor and includes the Preconstruction Services Fee, which includes all Design Services fees, all Costs of the Work, all General Conditions Costs, the Construction Phase Fee, all construction contingencies and any Owner's Special Cash Allowances. For a more detailed explanation as to what is included in the DBBL, refer to the Owner's Standard Agreement attached to the Request for Qualifications.

PART 7 - MILESTONE SCHEDULE

- 7.01 Refer to the Request for Qualifications, section 2.5, Project Planning Schedule.

PART 8 - APPLICABLE CODES AND STANDARDS

- 8.01 The codes and standards that are applicable to this project are set forth in the Owner's Design Guidelines that are included as an attachment to this Design Criteria Package.

PART 9 - ATTACHMENTS

- A. General Location Plan
- B. Owner's Design Guidelines

END OF DESIGN CRITERIA PACKAGE

ATTACHMENTS FOLLOW

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Attachment A

General Location Plan

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Attachment B

Owner's Design Guidelines

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Preface	ODG030513
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20	Proposal, Bidding, Contracting
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2010	Instructions for the Preparation of Project Manuals	ODG080415
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Construction Systems and Assemblies

Element A - Substructure

A10 Foundations

A1010	Standard Foundations	ODG070810
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A1030	Slab on Grade	ODG091610
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Element B - Shell

B10 Superstructure

B1010	Floor Construction	N/A
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B1020	Roof Construction	N/A
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B20 Exterior Enclosure

B2010	Exterior Walls	N/A
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B2020	Exterior Windows	N/A
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B2030	Exterior Doors	N/A
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B30 Roofing

B3010	Roof Coverings and Support Structures	N/A
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Element C - Interiors

C10 Interior Construction

C1010	Partitions	N/A
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C1020	Interior Doors	N/A
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C1030	Fittings and Interior Specialties	N/A
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C1031	Fabricated Toilet Partitions	N/A
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C1038	Casework	N/A
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C1039	Laboratory Casework and Equipment	N/A
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C20 Stairs

C2010	Stair Construction	N/A
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C30 Interior Finishes

C3010	Wall Finishes	-----	N/A
C3020	Floor Finishes	-----	N/A
C3025	Base Finishes	-----	N/A
C3030	Ceiling Finishes	-----	N/A

Element D – Services

D10 Conveying

D1010	Elevators and Lifts	-----	N/A
D1020	Escalators	-----	N/A

D20 Plumbing

D2000	General Design Guidelines	-----	N/A
D200002	Parking Garage Plumbing Design Guidelines	-----	N/A
D2010	Plumbing Fixtures	-----	N/A
D201001	Emergency Shower and Eyewash Equipment	-----	N/A
D201002	Plumbing Fixtures for Open Parking Garages	-----	N/A
D2020	Domestic Water Distribution	-----	N/A
D202001	Domestic Water Distribution for Open Parking Garages	-----	N/A
D2030	Sanitary Waste and Vent	-----	N/A
D203001	Sanitary Waste and Vent for Open Parking Garages	-----	N/A
D2035	Laboratory Waste and Vent	-----	N/A
D2040	Storm Water Drainage	-----	N/A
D204001	Storm Water Drainage for Open Parking Garages	-----	N/A
D2050	Natural Gas Distribution	-----	N/A
D2060	Medical Vacuum and Gas Systems	-----	N/A
D2065	Laboratory Vacuum and Gas Systems	-----	N/A

D30 Heating, Ventilating, and Air Conditioning (Includes BAS)

D3000	General Design Guidelines	-----	N/A
D300001	Renovation General Design Guidelines	-----	N/A
D3001	Load Calculation Criteria	-----	N/A
D300101	Patient Treatment Load Calculation Criteria	-----	N/A
D300102	Laboratory Load Calculation Criteria	-----	N/A
D3002	Sound Criteria	-----	N/A
D3010	TECO Energy Supply	-----	N/A
D3015	UTRP Energy Supply	-----	N/A
D3020	TECO Heat Generating Systems	-----	N/A
D3025	Steam Boilers and Associated Equipment	-----	N/A
D3026	Hot Water Heating Boilers	-----	N/A
D3030	TECO Cooling Generating Systems	-----	N/A

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D3035	Chillers and Associated Equipment	-----	N/A
D3040	Distribution Systems	-----	N/A
D3041	Air Handling Distribution	-----	N/A
D304101	Patient Treatment Air Handling Distribution	-----	N/A
D304102	Laboratory Air Handling Distribution System	-----	N/A
D304104	Pharmaceutical Air Handling Distribution	-----	N/A
D304105	MRI Air Handling Distribution	-----	N/A
D304106	Data Center Air Handling Distribution	-----	N/A
D3042	Exhaust and Ventilation	-----	N/A
D304201	Patient Treatment Exhaust and Ventilation	-----	N/A
D304202	Laboratory Exhaust and Ventilation	-----	N/A
D304204	Ethylene Oxide Sterilization Exhaust and Ventilation	-----	N/A
D3044	Hot Water Distribution	-----	N/A
D3045	Chilled Water Distribution	-----	N/A
D3060	Building Automation Systems	-----	N / A
D306001	Primary and Secondary Chilled Water System	-----	N/A
D306002	Hot Water System	-----	N/A
D306013	Fan Coil Cooling Only	-----	N/A
D306014	Fan Coil Heat / Cool	-----	N/A
D40	Fire Protection		
D4000	General Design Guidelines	-----	N/A
D400001	General Design Guidelines for Open Parking Garages	-----	N/A
D4010	Wet Standpipe and Sprinkler Systems	-----	N/A
D50	Electrical (Includes Communications and Security Systems)		
D5000	Load Calculation Criteria	-----	N/A
D500001	Electrical Renovation General Design Guidelines	-----	N/A
D5010	Electrical Service and Distribution	-----	ODG072315
D501001	Electrical System for Telecommunications Rooms	-----	N/A
D5020	Lighting and Branch Wiring	-----	N/A
D5022	Master Lighting Fixture Schedule	-----	N/A
D5030	Telecommunications	-----	N/A
D5034	Nurse Call / Communication Systems	-----	N/A
D5037	Fire Alarm and Smoke Detector Systems	-----	N / A
D5038	Security Systems	-----	N/A
D5090	Other Electrical Systems	-----	N/A

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Element E – Equipment and Furnishings

E10 Equipment

E1020 Institutional Equipment - - - - - N/A

E20 Furnishings

E2010 Fixed Furnishings - - - - - N/A

Element F – Special Construction

F10 Construction

F1032 Radiation Protection - - - - - N/A

Element G – Building Sitework

G20 Site Improvements

G2010 Roadways - - - - - ODG070810

G2030 Pedestrian Paving - - - - - ODG041712

G2040 Site Development - - - - - ODG070810

G2048 Flagpoles - - - - - N/A

G2050 Landscaping and Irrigation - - - - - ODG081816

G30 Site Civil / Mechanical Utilities

G3010 Water Supply - - - - - ODG010107

G3020 Sanitary Sewer - - - - - ODG070810

G3030 Storm Sewer - - - - - ODG070810

G3060 Natural Gas Service - - - - - ODG010107

Elements H through Y – Not Used

Element Z – General Design Requirements

Z10 Additional Owner Furnished Standards and Documents - - - - - ODG042914

Z20 Owner Standards and Other Requirements

Z2005 Codes and Applicable Regulatory Agencies - - - - - ODG080216

Z2010 Design Submittal Requirements - - - - - ODG032113

 Z201001 Design Phase Deliverables - - - - - ODG052412

 Z201002 Design Intent Document - - - - - ODG030210

 Z201003 Energy and Sustainability - - - - - ODG092915

Z2011 Equipment Naming Convention and Acronyms - - - - - ODG080113

Z2015 Structural Criteria - - - - - ODG103008

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Z2020	Furniture and Accessories Planning	-----	N/A
Z2025	Interior Finishes Criteria	-----	N/A
Z2030	Definitions of Building Areas	-----	N/A
Z2035	Project Commissioning	-----	N/A
Z2050	Additional Life Safety and Asset Protection Requirements	-----	ODG010107
Z40	Room Standards		
Z4010	Fire Command Rooms	-----	N/A
Z4020	Classrooms and Conference Rooms	-----	N/A
Z4030	Toilet Rooms	-----	N/A
Z4035	Housekeeping Rooms	-----	N/A
Z4040	Battery Charging Rooms	-----	N/A
Z4045	Working Mothers Rooms	-----	N/A
Z4050	Liquid Nitrogen Freezer Rooms	-----	N/A
Z4055	Liquid Nitrogen Tank Storage Rooms	-----	N/A
Z4060	Controlled Environmental Rooms	-----	N/A
Z4065	Bicycle Storage Rooms	-----	N/A
Z4070	Cerrobend Mold Fabrication Rooms	-----	N/A
Z4075	Pharmaceutical Compounding Rooms	-----	N/A
Z50	Existing Facilities Information		
Campus Key Maps			
Z5000	Houston Main Campus Key Maps	-----	ODG061113

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