Plans and Projects for Harris County-Houston Sports Authority

By R. Wayne Smith, P.E.

I. Authority Structure

Sports Authority Members (HCHSA)
Staff
Board Members Responsibility

II. Current Authorization

Build a Baseball Stadium
Attract an NFL Team & Build a Football Stadium
Provide Facilities for the Houston Livestock Show & Rodeo

III. Future Project (with voter approval)

Basketball and Hockey Arena
Other Venues - including the Arts

IV. Background

Astros USA/HOK/Harris County/City of Houston/ Sports Facilities
Limited Partnership (SFLP)/Harris County Facilities Development
Corporation (HCFDC)
Letter of Intent - September 14, 1996 - Required Legislative & Voter
Approval November 5, 1996 -
Voter Approval May 20, 1997 -
H.B. 9 July 29 & 30 HCHSA Formed
Prior to HCHSA Creation, HCFDC & SFLP Activities

V. Funding Sources

$250 Million Limit
No Property Tax
No General Tax
Hotel-Motel Tax (HOT) 2% ($10.5 million - First Year)
Short Term Car Rental Tax 5% ($12.5 Million - First Year)
$24 Million Second Year with 3% Annual Increase
0% Interest Loan from SFLP

VI. Projects to be Funded

$180 Million for Ballpark at Union Station
NFL Stadium & Rodeo Renovations @ Astrodome
Future Basketball/Hockey Arena
Other Venues

VII. NFL/Rodeo Negotiations

Houston or L A.
Financing Plans
NFL Stadium Footprint

VIII. Ballpark at Union Station
Astros Lease
30 Years
4.6 Million/Year - Present Value $53 Million

Site Preparation
- Environmental - Soils, Lead, Asbestos
- Archeological
- Demolition
- Land Purchase

Current Construction
- $229.5 Million w/Brown & Root
- Chilled Water less 6.5 plus bonus from Northwind (Houston Industries Subsidiary) $8.7 Million
- 10,000 Cubic Yards per day Excavation
- First Concrete Pour on Friday, February 27, 1998 of 400 Cubic Yards.
- Completion Schedule for March 2000

IX. Ballpark at Union Station Facts

http://www.thesportsauthority.org

The Ballpark at Union Station
January 16, 1998

Spectator Facilities Seating Capacity: 42,000 seats*

Seating Breakdown:
- Diamond Club: 262 seats
- Field Level: 19,174 seats
- Right Field Mezzanine: 2,572 seats
- Club Level: 4,857 seats
- Suite Level: 882 seats
- Upper Level: 13,903 seats
- Disabled Seating (all levels): 420 spaces

Restroom Facilities:
- Public Restrooms: 25 Women, 24 Men
- Toilet Fixtures: 308 Women, 297 Men
- Plumbing Fixtures Ratios: 1:68 Women, 1:71 Men
  (assuming 50% female, 50% male spectators)

Concessions:
- Number of Concession Stands: 35
- Number of Points of Sale: 197
- Average Spectators per Point of Sale: 213

Vertical Transportation (Spectators):
- Escalators: 11
- Passenger Elevators: 8
- Public Stairways: 10
- Pedestrian Ramps: 1

Parking:
- Enclosed On-site Parking: 96 spaces
- Reserved On-site Parking (includes P): 2,040 spaces
- Off-site parking
Building & Playing Field

Building Dimensions:
- Along Texas/Congress Avenue: 735 ft.
- Along Crawford/Hamilton Streets: 897 ft.
- Building Height (fixed): 139 ft.
- Building Area (new & renovated): 1,261,798 sq. ft.

Playing Field Facts:
- Natural Grass Playing Surface: 6.7 acres
- Left Field Foul Line: 315 ft.
- Left Field Power Alley: 362 ft./10 ft. wall
- Center Field: 435 ft./10 ft. wall
- Outfield Deepest Point: 436 ft./10 ft. wall
- Right Field Power Alley: 373 ft./7 ft. wall
- Right Field Foul Line: 326 ft./7 ft. wall
- Home Plate to First Row Spectator: min. 49 ft.
- 1"/3rd Baseline to Nearest Spectator: max. 43 ft.
- 1"/3rd Base to First Row Spectator: 57 ft.
- Right/Left Field seats to foul line: min. 5 ft.

Moving Roof Facts Horizontal Dimensions:
- Panels 1 and 3: 120 ft by 537 ft. (64,430 sq. ft.)
- Panel 2: 242 ft. by 589 ft. (142,641 sq. ft.)
- Total Moving Roof Area: 271,500 sq. ft. (61/4 acres)

Glass Area at West End of Moving Roof:
- Panels 1 and 3: 120 ft. w by 92 ft. h (11,040 sq. ft.)
- Panel 2: 242 ft. w by 115 ft. h (27,830 sq. ft.)
- Total Moving Glass Area: 49.910 sq. ft (1.14 acres)

Roof Height & Weight:
- Above Short Center Field (clear): 204 ft.
- Above Street Level (to top): 242 ft.
- Truss Depth at Mid-span: 40 ft.
- Approximate Weight of Steel: 10,000,000 lbs.
- Approximate Time to Close/Open: 12-20 minutes.

Final numbers subject to change as design evolves