INTRODUCTION OF
T.Y. LIN INTERNATIONAL/
LINDBERGH & ASSOCIATES

SAME SF POST INDUSTRY DAY
July 22, 2015
Overview of T.Y. Lin International – USA

- Established in USA in 1954
- 830 Employees in USA in 39 Offices
- Primary Business Lines:
  - Big Bridge
  - Surface Transportation
  - Facilities
  - Aviation
  - Rail & Transit
Hoover Dam Bypass Bridge, a/k/a the Mike O’ Callaghan/Pat Tillman Memorial Bridge
Oakland Bay Bridge
New East Span
California High Speed Rail
Palmdale to Bakersfield
I-395 Corridor Improvements

- Preliminary design and Owner’s Rep for $600M improvement program
- Conceptual design for new signature bridge
PortMiami Tunnel Project

- 3,900-foot tunnel with two 36-foot diameter sections
- TYLI provided CEI and Owner’s Rep services during construction
SFWMD Compartment C Pump Station Construction Inspection

- Part of the Comprehensive Everglades Restoration Program (CERP)
- Pumping capacity of 1,630 cfs with a redundancy of an additional 470 cfs
Eller Drive/Port Everglades ICTF Interchange Improvements

- Improved freight access between Port Everglades and I-595
- Included new double-track rail spur lines
Fort Lauderdale International Airport
New South Runway and Terminal 4 Expansion

- $800M Program included construction of new runway and tunnels for rail and vehicular traffic
- TYLI provided program management, technical oversight and cost analysis
HISTORY OF LINDBERGH & ASSOCIATES

1982

Founded by Air Force Colonel Charles Lindbergh, PE, PhD, former Dean of Engineering at Citadel, as a structural engineering firm

2002 - 2006

Organized as WBE and SDVSB following death of founder:
- OBG facilitates transition through established relationship with founder
- OBG provides financial support and leadership of Richard Garcia
- OBG diversifies business to include architecture, civil engineering, land planning and program management services

2011

Lindbergh becomes wholly-owned subsidiary of OBG following graduation from SBA designation

2014

Lindbergh celebrates its 30 year history as a full-service engineering/ architecture firm

2015

Lindbergh enters 2015 with record backlog of $4.5M and Q1 sales funnel of $1.5M

2015

With record sales of $8.5M, Lindbergh becomes one of the largest E/A firm in Charleston, SC and largest service provider to Charleston District of USACE

Lindbergh acquired by T.Y. Lin International in April 2015

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MARKETS / CLIENTS

FEDERAL MARKETS (85%)
- USACE
- VA
- NAVFAC
- USPS
- GSA
- US Fish and Wildlife

OTHER MARKETS (15%)
- Higher Education
- Municipal
- Industrial / Manufacturing
- Commercial / Healthcare
PROFESSIONAL SERVICES

- Structural Engineering
- Civil Engineering
- Mechanical / Plumbing Engineering
- Electrical Engineering
- Fire Protection Engineering
- Architecture / Interior Design / Planning
- Landscape Architecture / Planning
- Surveying
LONG TERM CONTRACTS AND NUMBER OF TASK ORDERS

REPRESENTATIVE CONTRACTS

(A) - Joint Base Charleston, North Charleston, SC
(B) - Corp of Engineers, Charleston District A/E Contract
(C) - Corp of Engineers, Norfolk District A/E Contract
(D) - Corp of Engineers, Mobile District A/E Contract
(E) - Corp of Engineers, Savannah District A/E Contract
(F) - Corps of Engineers, Louisville District A/E Contract
(G) - City of North Charleston
(H) - City of North Charleston Housing Authority
(I) - Trident Technical College
(J) - US Postal Service, A/E Contract for NC and SC
(K) - City of Charleston Housing Authority
(L) - South Carolina Office of State Engineers
(M) - Ft. Jackson Army Base, Columbia, A/E Contract
(N) - Veterans Affairs (VA) Asheville, A/E Contract
(O) - University of South Carolina
(P) - The Citadel, A/E Contract
(Q) - Fish & Wildlife, A/E Contract
## PROFESSIONAL STAFF OVERVIEW

**Engineers**
- Surveyors
- Construction Insp. / Mgmt.

## LINDBERGH & ASSOCIATES’ PERSONNEL QUALIFICATIONS

<table>
<thead>
<tr>
<th>NAME</th>
<th>ROLE</th>
<th>REGISTERED</th>
<th>YEARS EXP / FIRM</th>
<th>USACE CHS TOs</th>
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<tbody>
<tr>
<td>Dennis Blaschke, AIA</td>
<td>Architect</td>
<td>✓</td>
<td>20 / 6</td>
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<tr>
<td>Janette Alexander, AIA</td>
<td>Architect</td>
<td>✓</td>
<td>24 / 4</td>
<td>16</td>
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<tr>
<td>Christopher Vail, PE, LEED AP</td>
<td>Structural Engineer</td>
<td>✓</td>
<td>15 / 15</td>
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<tr>
<td>James Cory, III, PE</td>
<td>Structural Engineer</td>
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<td>39 / 5</td>
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<tr>
<td>Forest McKenzie, PE, PLS</td>
<td>Civil Engineer</td>
<td>✓</td>
<td>22 / 9</td>
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<tr>
<td>Brendon Wilson, PE</td>
<td>Civil Engineer</td>
<td>✓</td>
<td>12 / 8</td>
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<tr>
<td>Joseph Paolucci, PE</td>
<td>Mechanical Engineer</td>
<td>✓</td>
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<tr>
<td>Charles Harbin, III, PE</td>
<td>Mechanical Engineer</td>
<td>✓</td>
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<td>Juan Avila, PE</td>
<td>Electrical Engineer</td>
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<td>Derek Hensley, PE</td>
<td>Electrical Engineer</td>
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<td>Christopher Butts, PE</td>
<td>Fire Protection</td>
<td>✓</td>
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<td>Richard Garcia, PE, LEED AP</td>
<td>Project Manager</td>
<td>✓</td>
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<td>Christopher Whitmore, PE</td>
<td>Deputy Project Manager</td>
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<td>Kenneth Bolin, AIA</td>
<td>Architect / Specifier</td>
<td>✓</td>
<td>38 / 6</td>
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<tr>
<td>Keane McLaughlin, PLA</td>
<td>Landscape Architect</td>
<td>✓</td>
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Representative Projects
US Army Reserves Building Inventory
81st, 63rd, and 99th Divisions

Base Operating Services & Preventive Maintenance

1,400 buildings over SE, SW, & NE US; & Puerto Rico
Total SF: 18 M

Inventoried systems:

- HVAC
- Fire Protection
- Plumbing
- Electrical
- Site Drainage
- Grounds
- Kitchen Equipment
- Floor Finishes

Building types included: Reserve Centers, Storage, Maintenance Garages, Classrooms, Wash-racks, Canopies, and Guard Shacks
US Army Corps of Engineers — Savannah District
Charlie Norwood VAMC, Augusta, GA
FEDERAL

Department of Veterans Affairs
Charles George VAMC Branded Programs, Asheville, NC

WATER
TO#637-11-120, Install Campus Water Tower
- Survey Project Site
- Calculate Water Load Requirements: Supply Piping, Pumping Systems, Sensors, Meters, etc.
- Size Design and Specify New Water Tower for Redundancy
- Construction Budget: $1M

ENVIRONMENTAL
Environmental Management System (EMS) & Compliance Review of Asbestos

FACILITIES
TO# 637-08-124, Upgrade HVAC, B-47 Phase 3
- Replace AHUs, Heating Coils, Ductwork, Pumps, Pipes, Controls, and Balancing, etc. Installed in the mid 1970s
- Renovation includes but is not limited to, demolishing of existing conditions, renovation of interior spaces, electrical, controls, plumbing, HVAC, and fire protection systems
- Construction Budget: $850k

TO# 637-12-106, Upgrade HVAC, B-47 Phase 4
- Construction Budget: $2.8M

TO# 637-11-119, Renovate Ward 5 East
- 10,000sf 5th Floor Upfit (4th Floor Pending)
- Construction Budget: $3.75M

ENERGY
TO# 637-11-104, Correct Energy Deficiencies
- New Light Occupancy Sensors for ALL Buildings
- New Design of LED Lighting in Public Areas and Corridors for ALL Buildings
- New Ground Source Heat Pumps for Building 15
- Renovate/Replace Boiler Condensate Return Systems in Building 47
- Construction Budget: $2.21M
USACE Mobile
Multiple Projects - Homestead Air Reserve Base
USARC Ceiba, Puerto Rico
Emergency Power Plant
US Army Corps of Engineers & USFWS/SCDNR/NOAA
St. Stephen Fish Lift & Powerhouse
US Army Corps of Engineers – Louisville
Logistics Readiness Squadron Office Building, Whiteman AFB, MO

“I couldn't be happier with the efforts made by Lindbergh and Associates. You really have to be "detail" oriented in your business and you ALL did a fantastic job managing the details, the changes, etc.”

Renovation Projects at 34 USAR Centers
- HVAC Resets
- Elec Resets
- Plumb Resets
- Roll-up Door Resets
- Roof Resets
- Electrical Upgrades
- Lighting, Latrine, & Window Upgrade

Utility Lifecycle Reset and Facility Repairs at Various Locations
US Army Reserves 81st Division
US Fish and Wildlife Services
Wade Bayou Bridge Replacement
Panther Swamp National Wildlife Refuse, Yazoo, MS
US Fish and Wildlife Services
NPS Visitor Center Roof Replacement – Homestead, FL
Us Army Corps Of Engineers Mobile District
MacDill Air Force Base- Explosive Ordinance Disposal Facility
Tampa, FL
Trident Technical College
Aeronautical Training Center
The Citadel
Campus Facilities Conditions Assessments

- WebTMA database for Maintenance Phasing and Budgets
- 36 Facilities, 1.2 Million SF
“One Vision, One Company”