Georgia Street Reconstruction
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Indianapolis, Indiana

Presented by:
Ken Boyce (Ratio Architects, Inc.)
Cassie Reiter, PE (Crawford, Murphy & Tilly, Inc.)
Andy Lutz, PE (Indianapolis Department of Public Works)
Bruce Carter, PE, LEED AP BD+C (Hunt Construction Group)
Precedents: Las Ramblas, Barcelona, Spain
Georgia Street Prior to 2011
Georgia Street After 2011
INDIANA TERMINAL WAREHOUSE

The Indiana Terminal Warehouse was designed by Rubesh & Hester for the Terminal Building Corporation. It was designed to provide commercial space for goods on Market and Pennsylvania Street with four stories of general warehouse space above. The warehouse offered direct connections to the adjacent freight yards via a concrete freight loading dock over Pennsylvania Street.
Engineering Challenges

- Fully accessible, curbless environment with 1 lane in each direction, inverted crown and interior pedestrian corridor
Engineering Challenges

- **VARIES 9'-10" TO 13'-11" PARKING LANE**
- **2'-8" APPURtenance FREE ZONE**
- **9'-0" TRAVEL LANE**
- **2'-8" APPURtenance FREE ZONE**
- **12'-0" SIDEWALK**

**BOARDWALK**

**SEDIMENT FOREBAY**
Engineering Challenges
Engineering Challenges
Engineering Challenges: Vaults
Engineering Challenges: Heated Pavement

1. PAVERS
2. 1" BITUMINOUS SETTING BED
3. 7" CONCRETE IN STREETS, 4" CONCRETE FOR SIDEWALKS
4. 2" RIGID BOARD INSULATION (ALTERNATE 1, ALTERNATE 2 & ALTERNATE 9)
5. 0.75" RADIANT TUBING 9" ON CENTER BY H.C. TUBING LOCATIONS AND DIMENSIONS MAY VARY BASED ON SELECTED MANUFACTURER'S SPECIFICATIONS. (ALTERNATE 1, ALTERNATE 2 & ALTERNATE 9).
6. 2" DEPTH FOR SIDEWALKS, 2.5" DEPTH FOR STREETS. DIMENSIONS MAY VARY BASED ON SELECTED MANUFACTURER’S SPECIFICATIONS. (ALTERNATE 1, ALTERNATE 2 & ALTERNATE 9)

RADIANT TUBING DETAIL

SCALE: NONE

[Diagram with labels and dimensions]
Sustainable Features

- IPE Boardwalk
- Native Indiana Plant Associations
- Forebay
- Infiltration Basin
- Free Draining Native Soils
- Structural Soil
Sustainable Features

- PRECAST CONCRETE SUPPORT BEAMS
- SEE DETAILS 4 x 8 (NOM.) TREATED TIMBER JOISTS
- IPE DECKING
- 6" WIDE (NOM.) BEVELED TREATED TIMBER SILL

Dimensions:
- 8" - 8"
- VARIES
- 6' - 9"
- 0" 8", 2'-8"
or 3' - 2'
- 5'-3/4" (TYP)
- 10" DIA.
- 2'-8"
- UNDISTURBED EARTH OR COMPACTED STRUCTURAL SOIL BACKFILL

* BELOW LOW POINT
Sustainable Features: Trees and Plantings
Sustainable Features

- Bike racks
- Recycling receptacles
- Electric car charging stations
- Motorcycle parking
Design team completed project design in 7 months, while adhering to all federal requirements.
Accelerated Schedule

- *All work inside the ROW*
  - Face of Building to Face of Building

- *Cooperation and Collaboration*
  - Project Sponsors involved
  - Stakeholders involved

- *Environmental documents*
  - Agreed adverse effect
  - CE2 approval
Bid/Award Process

• 200 plus pay item bid
• 17 bid alternates
• Not just another “Road Job” – required merging of Hunt Construction Group and Hunt Paving Company resources to compile bid
• Project ties to the Super Bowl – another opportunity to construct a local landmark – intrigued Hunt
• Mix of subcontractors was unique – electrical, mechanical, finish carpentry, structural steel, masonry, etc.
• Value Engineering Process employed after Bid Process
  o Granite to arch precast
  o Intersection revisions
Construction Components:
Site Demolitions/Basement Constructions
Construction Components: Caisson Installations
Construction Components: Drainage Structure
• CU structural soil mixes
• IPE wood decking
• Electrical panel at each catenary base
Construction Components: Steel Catenary System
Construction Components:
Duratherm Pavement Markings
Construction Components: Electrical Installations
Construction Challenges: Maintaining Business Access
Construction Challenges:
Proximity of New Construction to Existing Facility
Construction Challenges:
Existing Utilities Coordination
Construction Challenges: Public Event Coordination
Thanks to the Georgia Street Team!