Construction and Design Update
Project Phases
Phase 1 Limits
Dolorosa Action Plan

• Tunnel Inlet to Dolorosa Street
  • Excludes Dolorosa Street bridge

• Schedule showing final completion to Dolorosa by April 27, 2018

• Deliverables by SARA
  • USACE Permit
  • Design Deliverables (Work Packages)
  • ROW (Temporary Construction Easements)
  • Utility Relocations
USACE Permit

• Initial USACE projected permit issuance late 2017
  • Permit required December 23, 2016

• Aggressive communication and coordination with USACE
  • Frequent trips to Fort Worth

• Determination of 408 & permit limits

• Expedited Reviews
  • 404 regional permit
  • Section 106 review – Historical Structures

• Current projected issuance January 3, 2017
Work Packages

• Work Package 1 - Utility Bores
  • Construction Start December 2016

• Work Package 2 - Heavy Civil & Utility Work – Inlet to Houston St.

• Work Package 3 - Foundation Underpinning
  • Packages 2 & 3 construction start January 2017
# Work Packages

<table>
<thead>
<tr>
<th>Work Package</th>
<th>Design Milestone</th>
<th>Bidding Milestone</th>
<th>Start of Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td>WP 4 - Utilities &amp; Demolition from Houston to Dolorosa</td>
<td>10/04/16</td>
<td>11/30/16</td>
<td>02/01/17</td>
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<tr>
<td>WP 5 - Structural Elements from Houston to Commerce</td>
<td>10/31/16</td>
<td>12/28/16</td>
<td>03/02/17</td>
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<tr>
<td>WP 6 – Drilled Shafts (Walls/Ped Bridges) Commerce to Dolorosa</td>
<td>11/28/16</td>
<td>01/25/17</td>
<td>03/22/17</td>
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<tr>
<td>WP 7 - CPS Gas &amp; CPS Electric</td>
<td>12/13/16</td>
<td>02/09/17</td>
<td>04/01/17</td>
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<td>WP 8 - Remaining Scope from Houston to Commerce</td>
<td>12/13/16</td>
<td>02/09/17</td>
<td>04/01/17</td>
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<tr>
<td>WP 9 - Remaining Scope from Commerce to Dolorosa</td>
<td>02/28/17</td>
<td>04/28/17</td>
<td>06/25/17</td>
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<tr>
<td>WP 10 - Landscaping, Irrigation, Wayfinding</td>
<td>02/28/17</td>
<td>04/28/17</td>
<td>06/25/17</td>
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</table>
Deliverables: Right of Way

• Acquisitions nearly complete
  • One parcel remaining

• Temporary Construction Easements (TCEs)

• COSA TCE
  • Multi-step approval process
  • City Council approval in November
  • Includes property for construction staging

• Private Landowners
  • Coordination ongoing
Utility Relocations

• Existing Utilities in Conflict
  • Spectrum (formerly Time Warner), AT&T, Grande, AT&T Metro, Level 3, Bexar County, COSA
  • SAWS, CPS

• Coordination ongoing
  • Schedule integration
  • Deliverable dates
Existing Utilities
Joint Telecom Bore (HDD)
Bridge Work Packages
Creek Work Packages
CONSTRUCTION PHASE PROCESS

- Wall Stabilization: structural supports for resisting wall
- SAWS Utilities: existing and new SAWS utilities in wall
- Shafts: structural supports

San Pedro Creek Improvement Project
Connecting Communities
WWW.SPCPROJECT.ORG
CONSTRUCTION PHASE PROCESS

Wall Stabilization
- Cantilever and sheet piles
- Barrie and tieback anchors
- Grouting
- Underpinning

SAWS Utilities
- Trenching and burying utilities
- Mobilization
- Relocation

Shafts
- Structural supports
- Foundation

Remaining Structural
- Pouring concrete
- New structural elements
CONSTRUCTION PHASE PROCESS

Wall Stabilization
- Secures structural supports for building wall

SAWS Utilities
- Moving and burying water and gas lines underneath roadway

Shafts
- Creates shafts for structural elements

Remaining Structural
- Completing work on remaining structural elements

Landscaping, Irrigation and Wayfinding
- Planting, irrigation system, and wayfinding elements

San Pedro Creek
- Improvements project
  - Connecting communities
- WWW.SPCPROJECT.ORG
Construction Communication
Construction Communications

DeBerry Group and KGB Texas
Construction Communication

• Social media
  • Facebook
  • Twitter
  • Instagram
• Phone app
• Weekly email updates
• Branding
Construction Branding
Construction Branding

PHASE 1
COMING 2018

www.spcproject.org
Construction Branding

We flow with these waters into the city created by these springs.
Construction Branding

As in some ancient legend, a city bubbled forth.
Outreach

- One-on-one meetings with property owners
- Property and business owner mixer: 11/30
- Public informational lunch: 12/15
- Presentations to associations and partner organizations
San Pedro Creek Arts
Tricentennial Artwork
Tricentennial Artwork

• Schedule
  • July 8: Open Call for Artists released and advertised
  • August 12: Qualifications due (112 Submittals Received)
  • August 15-19: Evaluations/Reviews
  • August 23: Commissioners Court approved four finalists
  • October 17: Proposals due
Tricentennial Artwork

• Schedule
  • October 18-25: Stakeholder/Selection committees met/Artists interviewed
  • November 1: Artist and concept finalist approved by Bexar County Commissioners Court
  • November: Selected artist to contract with the San Antonio River Authority for installation
Tricentennial Artwork

- Selected Artist: Jorge Rodriguez-Gerada
Tricentennial Artwork

• Selected Artist: Jorge Rodriguez-Gerada
Plethora
Plethora
Plethora
## Proposed budget

<table>
<thead>
<tr>
<th>Description</th>
<th>Cost</th>
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<tbody>
<tr>
<td><strong>Engineering Fee</strong></td>
<td></td>
</tr>
<tr>
<td>Foundation engineering and drawings</td>
<td>$77,000.00</td>
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<tr>
<td>Engineering of sculpture structure</td>
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<tr>
<td><strong>Design Fee</strong></td>
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<tr>
<td>Documentation of all fabrication parts</td>
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<tr>
<td>Fabrication protocols</td>
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<tr>
<td>3d modelling and geometry rationalization</td>
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<tr>
<td><strong>Artist Fees</strong></td>
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<td>Honorarium, Team and Expenses</td>
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<td><strong>Lighting</strong></td>
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<td>Gobo and other lighting</td>
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<tr>
<td><strong>Production</strong></td>
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<td>Raw Material (Aluminum Sheet and Tube)</td>
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<td>Connection Hardware</td>
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<td>Parts Assembly and Welding</td>
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<td>Transportation</td>
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<tr>
<td>Contracting and Subcontracting Services</td>
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<td>Cranes and On site equipment</td>
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<td><strong>Insurance</strong></td>
<td>$10,000.00</td>
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<tr>
<td><strong>Total</strong></td>
<td>$735,000.00</td>
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</tbody>
</table>
Proposed Timeline

**Design Development**
Nov. 2016 - Jan. 2017

**Assembly**
July 2017 - Nov. 2017

**Construction**
Dec. 2017 - April 2018

**Fabrication Tests**
Jan. 2017 - Aug. 2017

**Site Preparation**
Sep. 2017 - Dec. 2017

**Dedication**
May 2018
San Pedro Creek Arts

• Finalizing Art Plan Program with art consultants for the long term approach to activate the Creek through the arts: rotating art, exhibitions, special events, performances.

• Interpretive Plan: stakeholder committee to review initial interpretive plan for Creek including interpretive signage, public art, and historic, artistic and cultural treatments.