Design Activity Update

• Past Month and Ongoing:
  – April 14: Presentation to Commissioner’s Court and Court approval
  – May 6: Approval by HDRC
  – May 9: Robert Hammond Community Lecture, SAMA
  – Since April 15:
    – Study of potential, future construction phasing options
    – Organizing for and launching the 70% design
    – Continued architectural design progress
Background/History

- 2012: Bexar County authorized Preliminary Engineering Report (PER)
- 2012: Bexar County, City of San Antonio, and San Antonio River Authority executed Letter Agreement for interagency coordination on San Pedro Creek Improvements Project
- May 2013: Bexar County presented results of PER study and authorizes $125 million toward the project
- December 2013: Bexar County approved design budget and design team
- February 2014: Commissioners Court approved Cooperative Agreement with San Antonio River Authority authorizing initiation of final design phase, launching the 40% design
Components of 40% Design

- Further investigation of existing conditions
  - Survey, utility coordination, geotechnical
  - Cultural resources (intensive pedestrian surveys, standing structures, historic context)
  - Environmental Site Assessments (ESA’s), Phase I and Phase II
  - Permitting constraints, water rights and supply study
  - Floodplain (hydraulics and hydrology)
Components of 40% Design, Cont

- Further development of design elements
  - Maximizing flood capacity
  - Architectural design development
  - Incorporating public comments
  - Coordinating with adjacent property owners
  - Visualization of design elements
  - Refining project cost and construction approaches
Summary of Key Project Elements

- Approximately 2 miles of channel with a project area covering 22 acres
- Almost 4 miles of paseo (trail)
- About 11 ½ acres of landscaped area
- 30 acres of the City removed from the corrected floodplain
- 8 City street bridges replaced
- 6 new pedestrian bridges
- 6 existing City bridges with rehabilitation
- 1 new railroad bridge
- About 60,000 linear feet of new walls
- 3 new channel gates
- 1 new amphitheater
Engineering Update, 40%

HDR Engineering, Inc
Pape Dawson Engineers, Inc
Flood Control Summary

- 30 acres along the project is within the corrected floodplain
- With the 40% design, the project will contain the floodplain within the channel and remove all this property from the floodplain
  - Design includes modifications to channel and bridges
- Channel design will have additional capacity to significantly reduce historic flooding concerns in the Elmira neighborhood
  - Coordination underway with City of San Antonio to determine COSA infrastructure that will be a necessary part of future solutions
Floodplain Will Be Contained

Floodplain Area Outside the Channel:

<table>
<thead>
<tr>
<th>Floodplain</th>
<th>U/S Cesar Chavez</th>
<th>D/S Cesar Chavez</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Existing</td>
<td>4.09 ac</td>
<td>26.11 ac</td>
<td>30.20 ac</td>
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</tbody>
</table>

Acreage does not include main channel area.

Legend
- Main Channel Area
- Project Floodplain
INCREASE CHANNEL CAPACITY

WIDEN AND/OR DEEPEN EXISTING CHANNEL
REPLACE CONSTRAINING BRIDGES

8 NEW STREET BRIDGES • 1 NEW RAILROAD BRIDGE
Water Supply

- River water supplied to the project will be used to:
  - Overcome evaporative losses
  - Irrigate landscaped areas
  - Aid in the control of algae growth
- Maximum annual water requirements = 300 acft/yr
- Water supply facilities sized to deliver 1 cubic ft/sec (cfs) for seasonal peaking
Key Permitting

- **USACE Permitting**
  - Section 408 review of potential effect to federal flood risk infrastructure
  - Section 404 review of potential effect to aquatic resources
  - Includes review of potential effect to historic properties (coordinated with other agencies)
  - Critical path to start channel construction

- **Water Rights Permitting (TCEQ)**
  - 3 new reservoirs created by gate facilities
  - Bed & banks authorization to use San Antonio River for delivery of SAWS recycle water to project; part of existing COSA allocation
Phase 2 Environmental Site Assessments (ESA’s) Conducted

- 88 Soil borings/196 soil samples
- Groundwater evaluation at 6 locations

All materials confirmed as non-hazardous

- Materials can be transported and accepted at local landfill (same manner as household garbage)
- 19 additional soil borings conducted to verify acceptance and reduce stockpiling

Required groundwater management has been minimized
ARCHITECTURAL PRESENTATION

H Munoz & Company
40% DESIGN MILESTONE
OUR MISSION IS TO CREATE A WORLD CLASS LINEAR PARK THAT REPRESENTS THE CULTURAL IDENTITY OF OUR COMMUNITY AND INSPIRES THE PEOPLE OF BEXAR COUNTY.
DESIGN GOALS

PROVIDE ENHANCED FLOOD CONTROL.
MAXIMIZE ECONOMIC BENEFITS OF THE PROJECT.
CREATE A WORLD CLASS EXPERIENCE FOR RESIDENTS AND VISITORS.
ELEVATE AND EDUCATE OUR COMMUNITY PROFILE IN SUSTAINABILITY.
ENGAGE OUR COMMUNITY IN A GRASS-ROOTS DESIGN EFFORT.
REFLECT THE UNIQUE CULTURE OF BEXAR COUNTY.
IMPROVED WATER QUALITY AND AQUATIC HEALTH.
STRONG CURATORIAL VISION

JORGE RODRIGUEZ-GERADA
A COMMUNITY LECTURE

ROBERT HAMMOND
INSPIRATION
VILLA LAGUNILLA
Santa Rosa Avenue to Travis Street

Imagining a small town lake as a neighborhood park for downtown residential growth and a blossoming creative class. Offers physical and visual respite and an expanded riparian habitat.
VILLA LAGUNILLA
SALINAS BRIDGE

Woven patterns decorate this mid-stream pavilion repurposed from the oldest bridge on San Pedro Creek. It honors Jose and Pablo Salinas, native Texans who took up arms in support of the Texas Revolution.
ALAMEDA/AGUA ANTIGUA
Between Travis and Dolorosa Streets

1 ALAMEDA AMPHITHEATER & PLAZA
2 Calder Alley
ALAMEDA PLAZA

Music and performance is supported by the Alameda Amphitheatre and Plaza. The pavilion’s iconic design relates to the historic theatre in its colorful tile patterns and ribboned proscenium. The maze-like design of the plaza uses engineered wetlands to filter stormwater runoff before it enters the creek.
ALAMEDA AMPHITHEATER & PLAZA
MERODEO
Between Dolorosa and Cesar Chavez Streets

1. DOLOROSA BRIDGE
2. THE LAWN
3. TREE BRIDGE AND THE NARROWS
MERODEO LAWN

Gently sloping grass banks make this a prized urban green space where the creek will have room to meander. The paseos’ curves and low slopes make this area especially accessible and conducive for relaxing. Francisco Ruiz and Jose Navarro lived next to the creek in this area and are part of the interpretive program.
UNANIMOUS
DECLARATION OF INDEPENDENCE,
BY THE
DELEGATES OF THE PEOPLE OF TEXAS,
IN GENERAL CONVENTION,
AT THE TOWN OF WASHINGTON,
ON THE SECOND DAY OF MARCH, 1836.

When a government has ceased to perform the duties of its trust, it becomes the right of the people to change it; for every government, by its very nature, is for the benefit of the people who have submitted to it; and when the people, by any means, either individuals or combinations, are enabled to execute their own will, it becomes their duty to do so. The people have the right to change their government, or to alter the constitution, if they think it necessary, or if they are dissatisfied with it. The government of a country is not the same as the government of a state. The government of a country is the result of the people's will, and is the expression of their wishes; the government of a state is the expression of the wishes of the people, and is the result of the will of the people. The government of a country is the result of the people's will, and is the expression of their wishes; the government of a state is the expression of the wishes of the people, and is the result of the will of the people. The government of a country is the result of the people's will, and is the expression of their wishes; the government of a state is the expression of the wishes of the people, and is the result of the will of the people. The government of a country is the result of the people's will, and is the expression of their wishes; the government of a state is the expression of the wishes of the people, and is the result of the will of the people.
MERODEO TREE BRIDGE

The architectural craft of faux bois, cement made to look like natural wood, is exuberantly applied to this otherwise plain but long concrete footbridge. The tree bridge winds its way through the deepest and narrowest part of the creek; its eroded natural stone walls reverberant with the sound of the water flowing over the rocky bottom.
CANAL PRINCIPAL
Between Cesar Chavez Boulevard and El Paso Street

1. THE TRACKS
2. PLAY PAVILION
An entirely new waterscape for people and wildlife will result from exhuming the creek now buried in a concrete culvert. Site of the former MKT Rail Yard, the design sculpts the concrete boxes and draws inspiration from the industrial character of trains and rails.
PLAY PAVILION
This destination playscape snakes its way along the tail end of the box culvert and allows children ample height for adventure without the risk of a great fall. The design mixes comfort for parents and children alike with added seating, shade and outlooks.
CAMPO ABAJO
Between Guadalupe and South Alamo Streets

1 THE OUTLET  2 ESPLANADE
TUNNEL OUTLET STRUCTURE

Counterpoint to the tree of life plaza, the design intervention at the tunnel outlet structure reclaims the industrial facility as an elevated terrace with space for concession and restrooms. A monumental curved wall of shimmering metal and water cascades visually screening the grillage creates an audible experience and place to pause, refresh and enjoy the views.
THE OUTLET
Next Steps

- **April-May 2015** – Coordinate and reconcile anticipated costs, project phasing, construction contracting, start to 70% design
- **May 30, 2015** – Third public outreach
- **June 2015** – City of San Antonio action to convey parcels and reuse water to project
- **July 31, 2015** – 70% design deliverable
- **August 2015** – Secure needed property
- **February 2016** – Final design
- **May 2016** – Start construction
- **May 2018** – Complete significant section for 300th Anniversary
Potential Construction Phasing