Westside Creeks Restoration Oversight Committee (WCROC) Meeting January 13, 2009 6:00 PM

Meeting Notes

Attendees: Members and Alternates – Robert Ramirez, Co-Chair; Olga Lizcano, Co-Chair; Gloria Trevino, Avenida Guadalupe NA; Abigail Kinnison, Beacon Hill NA; Ted Ozuna, Donaldson Terrace NA; Dr. Catherine Rainwater, Our Lady of the Lake University; Roberto G. Hinkson, San Antonio Conservation Society; Thomas Lopez, San Antonio ISD; Abel Ramirez, San Antonio Wheelmen; Dr. Henry Flores, St. Mary's University; Dr. Jose Jimenez, The University of Texas at San Antonio; Erwin DeLuna, United San Antonio Pow Wow, Inc.; Santiago Garcia, Westside Development Corporation; Ashley Hernandez, Student Representative, George Martinez, Woodlawn Lake NA; Pam Martinez, Woodlawn Lake NA; and Jo Ann Hernandez, Woodlawn Lake NA. <u>Staff and Consultants</u> – Suzanne Scott, SARA; Roberto Rodriguez, SARA Board; Rudy Farias, SARA; Ed Garza, AECOM; Linda Alvarado-Vela, RJ RIVERA Associates, Inc.; and Rudy Rivera, PE, RJ RIVERA Associates, Inc. Members of the Public -Henry Rodriguez, Representing LULAC and Councilwoman Lourdes Galvan; Tony Galaniz, San Antonio Conservation Society; Jesse H. Valdez; Robert Alvarado, CEJA; Victor San Miguel, Brown Berets; Frank San Miguel, Brown Berets; and Jessica Ann Garcia.

I. Welcome & Introductions

The meeting was called to order by Olga Lizcano, Co-Chair of the WCROC. She then introduced Roberto Rodriguez, SARA Board Member, who welcomed the oversight committee members and thanked them for their participation. Mr. Rodriguez also introduced the Brown Berrets in attendance at the meeting as a civil action group he was part of in the 1960s. Brown Berets members in attendance included Robert Alvarado who is also part of CEJA, LULAC, and the SW Worker's Union; Frank San Miguel Junior who is part of the Brown Berets and LULAC Council 41; and Victor San Miguel who is the Prime Minister of the Brown Beret SA chapter for the State of Texas and also serves as the Vice President of the Quintana Road NA which represents 200 membership families. Victor San Miguel is also part of LULAC, the Fuerza Unida, and the SW Worker's Union. Mr. Ramirez thanked them for their attendance. He said community involvement was very important and that he hoped they would continue to attend.

Co-Chair Robert Ramirez then interjected and asked if members of the public had handouts of the agenda. Copies were then provided to members of the public. Mr. Ramirez said it was important that everyone have copies of the agenda because they included language regarding public comments. He said public comments would be limited to three minutes so everyone has the opportunity to comment

II. Approval of Meeting Minutes

Ms. Lizcano then continued with the next agenda item. She said minutes for the December meeting were distributed to the committee for comment via email. Mr. Ramirez said that the process for minutes would be that they would be distributed prior to the meeting via email and then would be approved summarily if there were not objections to the content of the minutes. He said minor revisions could be made and the minutes approved in this manner as long as no one had any major objections. Ms. Lizcano then asked if anyone had any objections to the meeting minutes. Gloria Jean Trevino with the Avenida Guadalupe NA said that on page three (3) the Web site listed needed to be corrected to www.texastejanos.com and that "Rudy" needed to be changed to "Rudi". Additionally, Henry Flores said he had attended the December meeting but was not shown on the sign-in sheets attached to the meeting minutes. These changes were documented and Ms. Lizcano asked if anyone had any objections to the approval of the minutes. No objections were voiced and the minutes were approved.

III. Meeting Process/Protocol

Mr. Ramirez discussed this agenda item and informed everyone that the study team and co-chairs were working on a process for decision-making within the committee. He said the disclaimer on the agenda was meant to serve as protocol for keeping comments under three (3) minutes in order to allow everyone an opportunity to speak but the protocol would include more direction on how to make decisions. He said this document was not ready and that the protocol would be submitted to the committee for comments via email. He then asked if everyone was getting emails from the consultant team. Ms. Lizcano said she had not received emails and Linda Vela said she would work to identify the problem. Mr. Ramirez concluded by saying that the protocol would be disseminated via email and asked committee members to please review it and comment.

IV. Site Analysis Update

The co-chairs then introduced Ed Garza, Project Manager with AECOM. Mr. Garza began his presentation on the site analysis update by wishing everyone a happy new year. He said he wanted to give the committee the opportunity to review the framework which will be guiding the consultant team during the data collection process and into the next 60 days. He said that generally, the consultant team had been assigned to conduct public involvement, an inventory analysis, a vision development and feasibility study, concept design development, a sustainable vision for the restoration plan, and implementation strategies.

He said the inventory analysis would divide into several parts. Initially, the consultant team will conduct a data collection effort. Along these lines, Mr. Garza told the committee that all the information collected during the branding workshop was useful and beneficial and would be incorporated into the inventory analysis. In addition to this, he said the consultant team would be conducting field visits to each of the creeks. He also said that the goal was to later conduct a site tour for all of the committee. Mr. Garza explained that the goal of the data collection effort was to gain a greater knowledge of the

area of impact along each of the creeks and any potential issues or concerns that need to be addressed throughout the process.

Mr. Garza said that knowing that we are dealing with an extremely historical part of San Antonio; the consultant team will also be looking at the historical components of each of the four creeks. He showed a historical map that indicates the context of how the creeks played an important part of the original city limits. He also said that the firm Preservation Matters would be assisting AECOM in the collection of this historical information.

Mr. Garza then told the committee he would be presenting known data, issues, or constraints for each of the creeks. He asked the committee to take notes on things that might be missing or need to be addressed as part of the vision. Mr. Garza then reviewed the data collected for each of the creeks to-date.

Alazan Creek

Mr. Garza began by listing some of the things the consultant team already knows about Alazan Creek including its name "Arroyo del Alazan", efforts to revitalize Woodlawn Lake Park, the Little Flower Basilica Life Sciences Project, St Mary's University revitalization efforts, opportunities at Alazan and Lincoln Heights, and the history of the Battle at Alazan Creek. He then asked committee members to review the base maps distributed prior to the start of the meeting. He said the consultant team started out by looking at just the areas along the creeks and then extended the study area to include areas within walking distance to the creek. On the base map, he pointed out several features including red parcels indicating housing authority properties, some of the historic districts, and other landmarks. He said the base maps would provide the framework for the consultant team to conduct the analysis in later phases. He said it would also be used to identify basic issues for discussion with the local community at future committee meetings and the public workshops.

Apache Creek

For Apache Creek, Mr. Garza pointed out the creeks history including Our Lady of the Lake University and other significant landmarks in the original city of San Antonio such as Elmendorf Lake Park. Other areas of interest he listed included Lanier High School, Casiano Park, the Texas Diabetes Institute, and the Annie E. Casey Making Connections program. He said all of these present opportunities to create connections to the creek during the visioning process. He said it will be important to think about how to get schools involved and utilize resource such as the extensive demographic information collected through Making Connections. He also pointed out that areas with red hatch marks indicated areas with bridges.

Martinez Creek

Mr. Garza said Martinez Creek also had several historical aspects including getting its name from Juan Martinez. He said it crosses Mid-Town on Blanco, the Old Spanish Trail, and the Art Deco District. He also talked about its proximity to the Monticello Park Historic District and the proposed bus rapid transit starter line. He also pointed out

areas of opportunity resulting from the recent flood buyout program in the northern part of Martinez creek. He said there are now significant vacant properties. At this point, Santiago Garcia with the Westside Development Corporation (WDC) asked if he could send the consultant team a map of the WDC boundaries because they looked cut off at some points on the base maps. Mr. Garza said he would welcome the information.

San Pedro Creek

For San Pedro Creek, Mr. Garza pointed out that it runs through downtown with the head waters being at San Pedro Park. He said that while the limits of the restoration project do not stretch as far north as the headwaters, the consultant team was still looking at the area. He also pointed out the creeks proximity to the Historic Civic Center, Houston Street, Fox Tech High School, the Alameda Theatre, the South Flores business area and its relationship to the San Antonio River. He said this would be particularly important as they considered where and how to link the creek with the river. Dr. Jose Jimenez with UTSA said he thought the consultant team should also consider the importance of hospitals such as Robert E. Green to this area. He said he knew of a large investment planned for the Robert E. Green. Mr. Garza said he would be interested in learning more about this investment. Mr. Garza then highlighted one of the issues along San Pedro Creek which is higher densities.

Erwin DeLuna with the United San Antonio Pow Wow, Inc. said that the school identified next to San Antonio College is a high school not an elementary school. Mr. Garza said they would make this correction as it was a recent development. He then showed examples of what San Pedro Creek could look like running through downtown.

Mr. Garza said that the data collection effort would be leading to the development of a vision. He said that as part of the consultant team's analysis, they would be considering the effects of Hydrology & Hydraulics. He said the consultant team would also be looking at existing natural systems, structural and urban design issues, operations/maintenance issues, and critical success factors throughout the existing conditions analysis.

Thomas Lopez, with the San Antonio ISD, said it would be nice if the project could also include some history on each of the creeks particularly as it related to geological terrain and the origins of the creeks. He said it is important to be able to educate area youth as to the topographical design. Mr. Ramirez said it would be great to get some of the SAISD curriculum development staff were involved to see how the school district can utilize some of the products of this effort in the classrooms and through field trips. Mr. Lopez said he would welcome the opportunity.

Mr. Garza then went on to say that the consultant team would also look at the environmental feasibility to include existing natural resources and systems, opportunities for a workable ecosystem restoration, and balancing those with flood control needs. He said the team would also look at the economic feasibility of proposed improvements by looking at market conditions, conducting a demographic analysis, reviewing existing data, and discussing matters with the Westside Development Corporation. He said that

ultimately the consultant team is charged with developing ideas that work and to see how this project can transform the area and create new economic development opportunities. Mr. Garza stressed that this would all be done with existing and available economic data. Ms. Kinnison suggested detailing the data that would be used. She said that the WDC has a lot of economic data that covers 80% of the area, but she was concerned about the other 20% where there is not any data. She said perhaps the Midtown on Blanco's or Deco's old market analysis could be useful.

After concluding his presentation, Mr. Garza asked the committee if there were any other areas they thought needed to be given special attention. Following are the responses collected from the oversight committee.

- At the beginning of the 20th century there was a street car system that connected into downtown. It would be a good thing to tie into. I don't know where all the lines were but that is something that is part of the history of the area.
- Dr. Catherine Rainwater asked why the map stopped halfway through Our Lady of the Lake University. She said she would like to see the dotted line moved further out and taken all the way upstream and past the university.
- The Prospect Hill NA representative said they are always looking for continued repairs in the area. She said they are having a neighborhood sweep around Martin and San Jacinto. Mr. Garza said that as the project moves forward and through the committee's advocacy there may be a "wish list" of projects that is presented along with the vision for this project.
- Why was San Pedro Park excluded from your study area? Mr. Garza said that for the purposes of this effort, the boundaries for San Pedro Park stop at the highway. That said, the consultant team will be looking at San Pedro Park. The committee member said it would be good to increase the area to include San Pedro Park and San Antonio College.
- Mr. Lopez then said that the school district is looking at the new flood plain maps very closely in terms of planning the locations of school. He urged the consultant team to add this to the base maps. Mr. Garza said they would include these. Suzanne Scott, General Manager for SARA, said these maps were developed by SARA and would be made available to the consultant team.
- A committee member then said that Olmos Park is a classic example of how a recreational area can offer an appropriate use within a flood plain area. The recreational areas at Olmos Park often flood and can continue to be used after the flood event. They said including recreational components would be important.
- Abigail Kinnison with Beacon Hill said the Martinez Creek begins north of Hildebrand and the base maps show the study area stopping just short of this. She said Beacon Hill is moving forward with their plans for a linear park and community garden, and perhaps the study area could include these as "green" nodes. She also suggested including the conservation districts recognized by the city including Alta Vista, Beacon Hill, Monticello and Jefferson (need to double check these).
- Another member of the committee said there is an existing farmer's market at the Alazan/Apache Creeks. He said that perhaps it could be turned into a world class

farmer's market. He also suggested bringing back the Chile Queens and providing a place for music or mariachis.

After committee comments were complete, Mr. Ramirez asked members of staff and the public for their comments. Following are the comments recorded.

- Rudy Farias, with SARA, said that at previous meetings someone mentioned a historic cemetery and the stock yards as key points within the area. He said these would need to be factored into the design. Ms. Lizcano said the cemetery is being renovated and that there will be an official opening from the bishop
- Ms. Scott said the consultant team will need to also consider senior centers and how to tie those to the creeks.
- Henry Rodriguez said it is commendable what everyone is doing. He said he would like to see that Elmendorf Lake be given substantial review. He further said that Councilwoman Galvan is looking at establishing a veteran's monument at Elmendorf Lake designed by local artist Jesse Trevino. He said Elmendorf Lake should be a place of great emphasis.
- Victor San Miguel said that he heard them talking about the Westside Creeks but he wanted to know if any studies had been completed on Leon Creek? He said Leon Creek is a very small creek and when it overflows from its banks the water gets contaminated by dangerous chemicals. He said his organization has been trying to keep the public from fishing in Leon Creek to prevent exposure to these contaminants. He asked the committee to please do something to keep people from fishing in that area. Mr. Ramirez said that this committee is specifically overseeing work on the Westside Creeks but that perhaps Roberto Rodriguez, with the SARA Board, could take this information back to the Linear Creeks Committee. Mr. San Miguel said that the EPA is looking into these claims and that he would like SARA to work with EPA to learn more about the contamination.
- Another committee member said that the major floods that happened in San Antonio also needed to part of the history of the creeks.

This concluded the comments collected for this agenda item. Mr. Ramirez wrapped up by congratulating SARA and the consultant team on reaching an agreement and finalizing the consultant contract. He informed the committee that AECOM was officially under contract and ready to work.

V. Public Involvement Update

Next, Ms. Lizcano introduced Linda Vela who went into an update regarding on-going public involvement activities.

Approval of Logo Concept

Ms. Vela began with a discussion on the approval of a logo concept. She informed the committee that they were asked to select their preferred logo concept as they entered the meeting by placing a dot on the concept board of their preference. Ms. Vela then reviewed the results of this polling process with the committee which was as follows:

Concept	Committee DOTS	Public DOTS
Concept #1	7	5
Concept #2	6	2
Concept #3	4	1

After hearing the results of the polling process, Mr. Ramirez asked if the group could simply vote on Concepts #1 and #2 and dismiss Concept #3. One of the members of the committee expressed a concern with this because he said Concept #3 really told a story about the headwaters. He said after looking at it from a different point of view he preferred Concept #3.

Mr. Ramirez then opened the floor to general discussion by the committee on all three logo concepts. Following are the committee comments collected.

- As a commercial artist, I believe less is more and I think Concept #3 will work better as logo. Further, it will be the easiest to reproduce.
- Another committee member agreed stating that it is hard to identify with a weed but that the icons in Concept #3 represented each of the creeks and would be easier to identify with.
- I like Concept #1 because it is a clean, crisp and you do not have to explain the logo to anyone. Also, for reproduction purposes, I believe this makes for a better clean copy than the colorful logo.
- I put my dot next to Concept #3 because I like the fact that the names of the creeks can be incorporated. I also like the blue lines that flow between the various creek icons.
- Ms. Lizcano pointed out that the committee may be making pins out of the logo and that Concept #3 would work better as a pin than the others.

Once all committee comments were collected, the chairs opened the floor to staff and public comments. Following are the comments collected.

- Ms. Scott said she liked Concept #3. She said she liked the colors and the idea that it would allow each of the creeks to have its own identity. She further said she would prefer the symbols for the last two creeks be changed.
- I like Concept #3 because it represents that we are a colorful city.
- For Martinez Creek, perhaps we can incorporate something related to the Old Spanish Trail.

After these comments were collected, the committee was asked to vote on their preferred logo concept by Mr. Ramirez. He said that if a majority selected a particular concept that concept would move forward. Otherwise, the committee would reduce the concepts down to the top two and then vote again. Following are the results of this voting process:

Concept	Committee DOTS
Concept #1	5
Concept #2	2
Concept #3	9

Based on this vote, Mr. Ramirez said that Concept #3 would move forward because it received a majority of the votes. Ms. Scott then suggested that the logo be stacked vertically and that the text be centered on top and on bottom in order to make the design more conducive to being used as a pin. Other comments were to find alternate designs for the Martinez and San Pedro Creek icons. Ms. Vela said the consultant team would make these revisions and then circulate the logo either through email or at the subcommittee meetings for consideration.

Approval of Domain Name

Next, Ms. Vela presented the results of the committee and public polling for a Web site domain name. She also informed the committee that www.losarroyos.com (and other variations like .org, .biz, etc.) was not available for use. Following are the results of the polling as presented by Ms. Vela.

Domain Name	Committee	Public
www.livingcreeks.com	0	0
www.westsidecreeks.com	9	0
www.arroyosvivos.com	4	6
www.losarroyosdemibarrio.com	0	0
www.westsidearroyos.com	4	1

Once the polling results were presented, Mr. Ramirez opened the floor for discussion by the committee. Several committee members said they liked www.westsidecreeks.com because it is simple, self explanatory, and easy to remember. After this, Mr. Ramirez called for a committee vote. When eleven (11) members of the committee voted in favor of www.westsidecreeks.com, Mr. Ramirez called a majority decision in favor of www.westsidecreeks.com,

Public Involvement Plan

Ms. Vela then presented the Draft Public Involvement Plan (PIP). She informed the committee that the draft plan was included in their packets for their review. She asked specifically for comments related to the stakeholder lists identified in the PIP. She said these lists would be used to contact people regarding the public workshops and that it was very important to be as inclusive as possible. She asked the committee to please send their comments to her at vela@rjrivera.com. Ms. Kinnison then asked if this information would be made available electronically and Ms. Vela said she would email the PDF of the PIP to the committee and the public in attendance.

VI. Subcommittee Break-Out Sessions

Next, Mr. Ramirez introduced the next agenda item which was to be a break-out planning session for each of the subcommittees. He asked Ms. Vela to introduce the exercise and explain what was expected of the subcommittees. Ms. Vela said the committee would be asked to break-out into groups based on their areas of interest along each of the Creeks. These small groups would have approximately 15 minutes to identify a subcommittee chair, a meeting date/time/location, and other potential subcommittee members that could be asked to participate in these groups. She then broke the committee up into groups and

handed each group a matrix to complete with the information needed. San Pedro and Martinez Creeks were underrepresented and were grouped together for the purposes of this discussion. Following is the information submitted by each of the break-out sessions.

Alazan Creek

Chair Person: Ashley Hernandez and Tom Lopez (co-chairs)		
Date:	Time:	Location:
1 st Wednesday of the month	6:00 p.m.	Crockett Elementary School Library
with first meeting occurring		2215 Morales Street
February 4, 2009		San Antonio, Texas 78207

Potential Members:

- Santiago Garcia, Westside Development Corporation
- Jose Jimenez, University of Texas at San Antonio (381-1530)
- Thomas C. Lopez (771-8519)
- JoAnn Hernandez (909-0901)
- Henry Flores (215-8904)
- Erwin DeLuna (508-7865)
- Pam Martinez (744-7679)
- George Martinez (744-7976)
- Urban 15
- Urban Connection
- Little Flower
- Christ of King
- Jefferson
- Archdiocise
- Guadalupe Association

Apache Creek

Chair Person: Henry Rodriguez (lulaczapatista@yahoo.com)		
Date:	Time:	Location:
1 st Tuesday of the month	5:30 p.m.	Guadalupe Street Coffee Shop
with first meeting occurring		1320 Guadalupe Street
February 3, 2009		San Antonio, Texas 78207
Potential Members:		
 More OLLU participants 		

Martinez Creek

LULAC Youth

Chair Person: Roberto Hinkson and Abigail Kinnison (co-chairs)		
Date:	Time:	Location:
1 st Monday of the month	6:30 p.m.	Bihl House Arts
with first meeting occurring		2803 Fredericksburg Road

February 2, 2009	(inside gates of Primrose at Monticello Park Senior Apartments)

Potential Members:

- Alta Vista NA
- Beacon Hill NA
- Jefferson NA
- Woodlawn Lake
- Deco CDC
- Monticello Park HO
- Midtown merchants
- Oak Farms
- Fulton HO
- San Antonio ISD
- City of San Antonio Parks and Public Works
- VIA Community Center
- Beacon Hill Community Garden
- St. Mary's University

San Pedro Creek

Chair Person: Dr. Jose Jimenez		
Date: 2 nd Wednesday of the	Time:	Location:
month with first meeting	6:00 p.m.	UTSA College of Architecture
occurring February 11, 2009	_	Ground Floor Conference Room
		301 S. Frio Street in the Monterey
		Building (across the street from the main
		UTSA Downtown campus)

Potential Members:

- San Antonio ISD Fox Tech
- San Antonio Wheelman
- VIA
- MPO Bicycle Mobility Advisory Committee
- UTSA
- San Antonio Conservation Society
- Bexar County
- City of San Antonio Library
- Greater Chamber
- Downtown Alliance
- Downtown Resident's Association
- Art Pace
- Hospitals Brady Green, Santa Rosa, Baptist

After hearing this information, Mr. Ramirez said the consultant team would compile this information and contact potential members prior to the first subcommittee meetings. He further asked that he and Ms. Lizcano be added as ex-oficio members to each of the subcommittees as they would try to attend as many of them as possible. In addition to this request, several other organizations asked to be notified of all subcommittee meetings including:

- San Antonio Conservation Society
- St. Mary's University
- Avenida Guadalupe Association
- University of Texas at San Antonio
- Our Lady of the Lake
- Westside Development Corporation

VII. Miscellaneous Items

Ms. Lizcano then asked if any committee members had any miscellaneous issues to discuss. Ms. Vela said she wanted to announce the tentative date for the first workshop. She said the workshop would be held on Saturday, March 28, 2009, from 9 a.m. to 12 p.m. at El Progreso. She also said that SARA was planning a site tour of the creeks and a press conference to advertise the workshop on Saturday, March 7, 2009. There was some discussion about the exact time for this as March 7th also happens to be the day of the Basura Bash along several of the creeks. The committee decided to shoot for 2 to 4 p.m. to avoid any conflicts with that event.

Several committee members also mentioned that they had distributed information regarding the Westside Creeks Restoration Project in their monthly e-mail blasts to their members.

Dr. Jimenez wanted to add to the history of the area around Houston Street and Guadalupe Street. He said this area is the beginning of theater/cinema in San Antonio. He mentioned several theaters including the Estate, the Obrien, the Joy, the Progreso, and the Venus. He said his father used to run the Venus where he translated Mickey Mouse cartoons way back in the 20s. He also mentioned "Las Carpas" which were traveling theatre acts that would attract people to the area.

VII. Public Comments

Once all committee members had an opportunity to speak during the Miscellaneous Items agenda item, Ms. Lizcano called for public comments. No members of the public requested an opportunity to comment.

VII. Adjourn

After this, the meeting was adjourned by Ms. Lizcano at 8:15 p.m. and no further business was discussed.

Attachments

- Sign-in Sheets
- Site Analysis PowerPoint Presentation

Distribution

- WCROC
- SARA Staff
- Consultant Team



Project Tasks

- 1. Public involvement plan
- 2. Inventory analysis
- 3. Vision development & feasibility
- 4. Concept design development
- 5. Sustainable vision restoration plan
- 6. Implementation strategies

Inventory Analysis

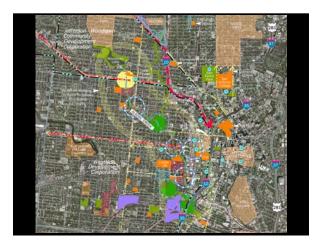
- Base mapping & data collection
- Site investigation
- Issues identification & analysis
- Land use and regional connections
- Recreation and restoration
- Urban design and character analysis



Alazan



- "Arroyo del Alazan"
 Woodlawn Lake Park revitalization
 Little Flower Basilica Life Sciences Project
 St. Mary's University revitalization
 Alazan and Lincoln Heights opportunities
 Battle at Alazan Creek history



Alazan





Apache

- "Charquito de las Apaches"
 Our Lady of the Lake University
 Elmendorf Lake Park
 Plaza Guadalupe
 Lanier High School
 Casiano Park
 Texas Diabetes
 Institute

- Institute

 Making Connections









Martinez



- "Juan Martinez"
 Mid-Town on Blanco
 Old Spanish Trail
 Deco District
 Bus Rapid Transit
 Monticello Park Historic District
 Jefferson High School
 Vacant parcels



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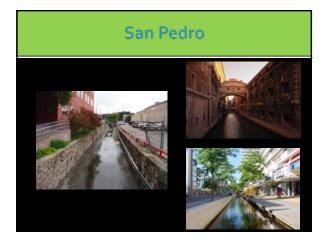
San Pedro

- Historical Significance
 Downtown
 Historic Civic Center
 Houston Street
 Residential
 Fox Tech High School
 Alameda Theatre
 South Flores
 Riverwalk Links





San Pedro



H&H Feasibility



- Natural Systems
 Structural
 Urban Design
 Operations /Maintenance
 Critical Success Factors
 Environmental

- Social
- Economic

Hydraulics & Hydrology



- Existing conditions modeling
 Data based analysis
 Aquatic ecosystem restoration measures
 Stability & other analysis of restored natural channels
- Integrating other disciplines (geomorphology, biology etc.)

Environmental Feasibility

- Natural resources and systems
- Workable ecosystem restoration
- Restoration and flood control balance
- Human use needs
- Restoration alternative evaluations
- Public involvement



Economic Feasibility

- Vision and ideas analysis
- Market conditions
- Demographic analysis
- Existing data
- Westside Development Corporation
- Downtown Analysis
- Ideas that work!

