

**Capital Cascade Trail
Expanded Master Plan Activities and
Segment 2 Design and Permitting
Project Progress Meeting Notes
April 8, 2008**

ATTENDEES

Mark Llewellyn, Genesis Group
Jim Sullivan, Genesis Group
John Buss, COT
Chuck Blum, COT
Gary Phillips, BP2K
Ward Miller, Kimley-Horn
Ed Ringe, BP2K
Rahul Sawant, PBSJ (telephone)

Judy Hayden, EGS
Susan Tanski, COT
Theresa Heiker, Leon County
John Cox, COT
Jim Shepard, BP2K
Del Schwalls, CDM (telephone)
Jeff Herr, Brown & Caldwell (telephone)

DISCUSSION TOPICS

A. EXPANDED MASTER PLAN ACTIVITIES

1. Evaluate Reducing the Peak Stage in Segment 2 Lower Pond and Analyze the Effects Downstream in Segment 3 (GENESIS GROUP – Pending the approval of the Re-calibrated SWMM)
 - 1.1 Evaluate Peak Stage Alternatives in Segment 2 Lower Pond and Determine Corresponding Peak Flow Rates and Runoff Volumes
 - 1.2 Evaluate Segment 3 Improvements to Reduce the Tailwater at South Monroe and Provide Sufficient Conveyance
 - 1.3 Evaluate Segment 3 Improvements to Provide Sufficient Storage for Increased Flows
 - 1.4 Technical Addendum

a. Task is awaiting model calibration completion.

2. Segments 3 and 4 Expanded Karst Features Analysis (EGS) (**Complete**)

a. Response to comments was submitted to BP2K on 2-21-08.

3. Segments 3 and 4 – additional Cultural Resource Assessment (**Complete**)

4. Federal Emergency Management Agency (FEMA) Letter of Map Revision (CDM)

- a. **Calibrating is a few days late, due to the review and analysis of additional data.**
- b. **The updated model will include FDOT study (S. Monroe).**
- c. **Short duration storms are a problem.**
- d. **Meeting scheduled for Thursday, April 10th to discuss the model.**
- e. **The FEMA approach was discussed.**

- **Scenario 1 – Abbreviated Model utilizing the current FEMA model for the short segment from Monroe to Gadsden.**
- **Scenario 2 – Meet with FEMA to request an expedited review or allowance to proceed with construction before the CLOMR has been issued.**
- **Scenario 3 – Work through the process as quickly as possible.**
- f. **Mark Llewellyn will need to go through the FEMA plan at the next TCC meeting.**
- g. **A special meeting will be conducted to address all of the Stormwater Management issues (FEMA approach, Alum Injection, Trash Racks).**

- 4.1 Data Collection, Coordination and Field Survey
- 4.2 Literature Review
- 4.3 Field Survey Verification
- 4.4 Hydrologic and Hydraulic (H&H) Analyses
- 4.5 The (100-year) Floodplain
- 4.6 The (500-year) Floodplain
- 4.7 The (100-year) Floodways
- 4.8 Floodplain and Floodway Delineation
- 4.9 Flood Profiles
- 4.10 Notification of Impacted Property Owners
- 4.11 FEMA Report
- 4.12 Additional FEMA Data Requests
- 4.13 Meetings and Coordination
- 4.14 Deliverables

- 5. Interim Improvements for Segment 1 Feasibility Analysis (GENESIS GROUP)
- 5.1 Complete Partial Topographic Survey for Segment 1 (**Complete**)
- 5.2 Identify Potential Interim Improvements for Segment 1
- 5.3 Identify Permitting Issues/resolution Associated with Implementing Interim Improvements
- 5.4 Evaluate Traffic Impacts Associated with Potential Interim Improvement (**Complete**)
- 5.5 Final Technical Memorandum

- a. **Genesis is currently waiting for model to complete the Segment 1 feasibility analysis.**

- 6. Project Schedule

B. SEGMENT 2 DESIGN AND PERMITTING

- 3. Design Surveying (GENESIS GROUP – Lanier Mathews - COMPLETE)
- 4. Final Hydraulic Design (Genesis Group)
 - 4.1 Model Simulations
 - 4.2 Trash Traps

a. A special meeting will be conducted to address all of the Stormwater Management issues (FEMA approach, Alum Injection, Trash Racks).

- 5. Park Programming (CLS) (**COMPLETE**)
- 6. Technical and Administrative Meetings (Team)
 - 6.1 City of Tallahassee Stormwater
 - 6.2 City of Tallahassee Utility Services
 - 6.3 City of Tallahassee Growth Management
 - 6.4 Leon County Engineering Services
 - 6.5 Leon County Growth Management
 - 6.6 City of Tallahassee Parks and Recreation Department
 - 6.7 FDEP Jurisdictional Severance

- a. Utility Services – The Concept Water and Sewer Plan was resubmitted to the City.**
- b. There will be a presentation at 4/15/08 TCC meeting by Genesis:**
 - costs associated with the alternatives**
 - what happens in Segment 1**
 - what is being achieved for the investment**
- c. The Water Management District has indicated that the project will be permitted through FDEP.**
- d. The survey along Lafayette Street has determined that the curb inlets do not drain to anything (except for the inlets at the CSX bridge).**

- 7. Construction Documents (Team)
 - 7.1 Cover Sheet
 - 7.2 Master Site Plan and Sheet Index Map
 - 7.3 General Notes
 - 7.4 Summary of Quantities
 - 7.5 Typical Sections
 - 7.6 Existing Conditions Survey (refer to Task 3)
 - 7.7 Stormwater Pollution Prevention Plan
 - 7.8 Demolition Plan
 - 7.9 Utility Relocation Plan
 - 7.10 Site Plan
 - 7.11 Coordinate Geometry Plan
 - 7.12 Paving (Trail and Parking), Grading, and Grading Plans
 - 7.12.1 Pond Grading Plan
 - 7.12.2 Lower Cascade Pond Drawdown Pump
 - 7.12.3 Stream Restoration Plans and Details
 - 7.12.4 Cross Sections
 - 7.12.5 Parking Lot Modifications
 - 7.12.6 Drainage Structure Sheets
 - 7.13 Roadway Improvement Plans

- 7.13.1 Plan and Profile Sheets
- 7.13.2 Gaines Street Reconstruction Plan
- 7.14 Traffic Control Plans
- 7.15 (Potable) Water Distribution System
- 7.16 Lake Augmentation Well Plans
- 7.17 Hardscape Plans
- 7.18 Landscape and Irrigation Plans
- 7.19 Electrical Lighting and Emergency Call Box Plans
 - 7.19.1 Electrical Power
 - 7.19.2 Electrical Lighting
 - 7.19.3 Emergency Call Boxes
- 7.20 Retaining Wall Structural
- 7.21 Trail Bridge Plans
- 7.22 Restroom Architectural Plans (Akin & Pinnacle)
 - 7.22.1 Schematic Design Phase
 - 7.22.2 Construction Document Phase
 - 7.22.3 Structural Design Plans
 - 7.22.4 Permitting
 - 7.22.5 Mechanical and Plumbing Engineering Documents
- 7.23 Work within CSX R/W Plans and Details
- 7.24 Special Details
- 7.25 Geotechnical Evaluation **(COMPLETE)**

- a. **The design is moving forward at a slow pace.**
- b. **Susan Tanski will include Genesis in meeting with Akin to address the restroom building.**
- c. **Per Mark Llewelyn, the grading may change for the upper ponds.**
- d. **We need to meet with Figg as soon as possible.**
- e. **Concerns were raised by John Buss about the location of an alum treatment equipment and tank. There is no design contract currently in place for the alum treatment design.**
- f. **Upper pools will require a re-design to increase the residence time (increase permanent pool volume). Options were sent to PBS&J and included in the most recent Water Quality (Alum Injection) analysis.**
 - **A special meeting will be conducted to address all of the Stormwater Management issues (FEMA approach, Alum Injection, Trash Racks).**
 - **Water sampling results should be carefully reviewed for consideration in this analysis.**
 - **Gary Phillips met with Eric Livingston regarding funding for the Alum Injection System. Eric was optimistic that some funding might be available.**
 - **A telemetry system should be considered to reduce the need for on-site staff to operate and maintain the alum system. This is already in the budget.**
 - **The stormwater PH was discussed along with the issues associated with Alum Injection.**
- g. **90% plans were re-submitted to CSX on April 7, 2008.**

8. Project Schedule (Genesis Group / Team)

a. As soon as the Re-calibrated SWMM model is reviewed and accepted, and a decision is made regarding the FEMA approach the schedule can be updated.

9. Submittals (Team) (see other sections of the meeting notes for specific issues related to the submittal items)

10. Technical Specifications (Team)

a. Comments on technical specifications continue to evolve.

11. Construction Document Submittal Requirements (Team)

11.1 General Requirement

11.2 Drawings

11.3 Opinion of Probable Construction Cost

a. Amenity costs continue to be discussed.

12. Environmental and Permit Support Services (EGS)

12.1 Wetland Delineation (**COMPLETE**)

12.2 City of Tallahassee

12.2.1 Natural Features Inventory (**COMPLETE**)

12.2.2 Environmental Impact Analysis

12.2.3 Environmental Management Permit

12.2.4 Right-of-Way Construction Permit

12.2.5 Building Permit

12.3 NFWFMD, FDEP and ACOE

12.3.1 Severance of Jurisdiction

12.3.2 Environmental Resource Permit

12.3.3 Permit Packages

12.4 DMS and FDOT

12.5 Florida Division of Historic Resources

12.6 FEMA

12.7 CSX Intermodal

a. The FDEP permit is on hold per Judy Hayden.

b. EIA will be submitted to Gary today. The variance with then need to be approved.

c. The Division of Historic Resources has approved the site plan with the expectation of staying involved.

d. Site plan has been continued until June 12, 2008 or after the Linear Infrastructure Variance has been approved.

13. Public Information Program (Team) (**Complete**)

14. Quality Assurance / Quality Control (Team - **ONGOING**)

15. Deliverables (Team)

16. Compensation and Method of Payment

C. SUPPLEMENTAL SERVICES REQUEST #7

1. Schematic Design (**Complete**)
2. Design Scale Model (Discuss Status)

a. Renderings are on hold.

3. Amenity Construction Plans
 - 3.1 Bloxham Street Plaza
 - 3.1.1 Signature Bridges (including lighting – Garcia & Pinnacle)
 - 3.1.2 Meridian Marker Amphitheater Plaza and Stage (CLS)
 - 3.1.3 Interpretive Cascade Waterfall (CLS)
 - 3.1.4 Interactive Water Play Area (CLS)
 - 3.1.5 Restroom/Bathhouse Architecture (Akin)
 - 3.1.6 Bloxham Street Promenade (CLS)
 - 3.2 Boca Chuba (CLS)
 - 3.3 History Timeline Fence (CLS)
 - 3.4 Dog Park (Genesis/CLS)
 - 3.5 Monroe Street Sidewalk and Streetscape (Genesis)
 - 3.6 Bloxham Street Plaza (Genesis)

- a. Peter Martin is reviewing the costs for the History Timeline Fence and updating the plans to reduce the cost.**
- b. Regarding the oak tree adjacent to the incinerator building – is it practical for what it will cost to preserve the tree? Susan Tanski will check on this.**
- c. Blueprint is working with URS to coordinate cleanup around the incinerator building.**

4. Analysis and Assessments
 - 4.1 Franklin/Lafayette Street Intersection (**COMPLETE**)
 - 4.2 Suwannee Street Well Assessment (**COMPLETE**)
 - 4.3 FDOT Parking Lot Analysis (**COMPLETE**)
 - 4.4 Boca Chuba Pond Retaining Wall Global Stability (EGS)
 - 4.5 Suwannee Street Extension (Cascade Park Lane) Contamination Assessment (EGS)

5. Suwannee Street Extension (Cascade Park Lane) Design

- 5.1 Geotechnical Evaluation (EGS - **COMPLETE**)
- 5.2 Geometric Design (Genesis)
- 5.3 Pavement Design (Genesis)
- 5.4 Roadway Plans Package (Genesis)
- 5.5 Traffic Control Plans (Genesis)
- 5.6 Utilities (Genesis)
- 5.7 Permitting (Genesis)
- 5.8 Submittals and Deliverables (Genesis)

6. Bypass Culvert Structural Design

- 6.1 Geotechnical Evaluation (EGS)
- 6.2 Construction Documents (Genesis)

7. Evaluate Double Bypass Culvert Option (Genesis)

- 7.1 Determine the “safe” capacity of the St. Augustine Branch (SAB) through the park.
- 7.2 Determine the “safe combined non-damaging flow rate” that will discharge from the secondary bypass culvert and flow directly down stream.
- 7.3 Size Double Bypass Culvert
- 7.4 Secondary Bypass Culvert Route
- 7.5 Re-size the Primary Bypass Culvert
- 7.6 Analysis Culvert Sizing
- 7.7 Analyze System with Double Bypass
- 7.8 Opinion of Probable Cost
- 7.9 Report

a. Genesis is waiting on the recalibrated model prior to analyzing the double bypass option.

8. CSX Railroad Right of Way Stream Retaining Wall and Floor

- 8.1 Retaining wall design (Genesis)
- 8.2 CSX Permitting (Genesis)
- 8.3 Geotechnical Evaluation (EGS)
- 8.4 Submittals and Deliverables (Genesis)

9. Suwannee/Lafayette Street Intersection Design

- 9.1 Geometric Design (Genesis)
- 9.2 Pavement Design (Genesis)
- 9.3 Roadway Plans Package (Genesis)

- 9.4 Traffic Control Plans (Genesis)
- 9.5 Traffic Signal Plans (Genesis)
- 9.6 Geotechnical Evaluation (EGS)
- 9.7 Environmental Services/Permits (Genesis)
- 9.8 Submittals and Deliverables (Genesis)

a. Stormwater and roadway design will resume upon receipt of model.

- 10. Franklin/Lafayette Street Intersection Traffic Signal Design & Franklin/Pensacola Traffic Signal Design (Genesis & EGS)
- 11. Surface Water Quality Feasibility Study

a. See notes above.

- 11.1 Field Investigation
- 11.2 Lab Testing (EGS)
- 11.3 Analysis of Data and Lab Tests (PBS&J)
- 11.4 Report and Presentation
- 12. Technical and Administrative Meetings
- 13. XP-SWMM Re-calibration (**CDM – See Expanded Master Plan Task 4 Notes for details**)
- 14. Public Information Meeting (**COMPLETE – October 25, 2007**)