

**Capital Cascade Trail
Expanded Master Plan Activities and
Segment 2 Design and Permitting
Project Progress Meeting Notes
March 11, 2008**

ATTENDEES

Mark Llewellyn, Genesis Group
Jim Sullivan, Genesis Group
John Buss, COT
Chuck Blum, COT
Echo Gates, Genesis Group

Ed Ringe, BP2K
Judy Hayden, EGS
Mark Thomasson, Genesis Group
Susan Tanski, COT

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)
 - 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

- a. **The re-calibration is currently running behind schedule due to addition of E. C. Driver's S. Monroe Street analysis information. It may be possible to submit the CLOMR before the LOMR; however, the accuracy of the stages would need close review. Additional meeting with City stormwater may be needed when the model is complete.**
- b. **Topographic Data used for Leon High School basins was 2006.**

- 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 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. **Schematics were developed based on a meeting with John Buss and Jodie Cahoon. Review needs to be made by Stormwater, Parks, and Streets and Drainage.**
- b. **A suggestion was made to consider utilizing the Lake Hall School House site as an off-line pond site and for trash trap.**

- 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 – Concept utility plans to be resubmitted as soon as possible.**
- b. **Susan Tanski met with City Electric about City Electric assuming responsibility for maintaining the lighting within the park. A meeting is needed with Tina Drose and Brian Fisher to discuss further.**
- c. **There will be a presentation at 4/3/08 TCC/CAC meetings by Genesis. The focus will be on stormwater.**
- d. **COT Growth Management has rescheduled the site plan review until the linear infrastructure variance has been approved by the City Commission. The biggest issues are unaltered floodplain and unaltered wetland. A copy of the variance issues prepared by Genesis was distributed. Variance request will ultimately go to the City Commission and/or City Manager for review and approval. Bob Herman is reviewing to determine which variances will ultimately be required. A distinction between local ordinance variances and those that affect state and local codes needs to be made.**
- e. **Leon County – Surveying on Lafayette Street, extending up to Cabos Tacos, has begun. Stormwater analysis will encompass almost all of that area. Design of the area will be included in the 90% plans due in June.**

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. **BP2K continues review of the design earthwork. Backup of earthwork calculations was sent to BP2K.**
- b. **Another meeting has been requested by Parks to discuss the restroom building.**
- c. **CLS staff will be in town 3/24-26/08 to discuss the plans.**
- d. **It will also be a good time to meet with Figg.**
- e. **Concern about the logistics of an alum treatment facility was expressed by John Buss. There is no design contract currently in place for the alum treatment design.**
- f. **Upper pools will require a re-design to increase the alum residence time (increase permanent pool volume). Options will be sent to PBS&J so that final decision on treatment can be determined.**
- g. **CSX plans to be re-submitted to CSX after Blueprint's review. Pipes south of the railroad need to be discussed with BP2K to determine what needs to be done.**
- h. **Decision has not been made yet on vortex interceptor inlets.**
- i. **Trash Trap issues will be discussed with City Stormwater and Streets and Drainage.**

8. Project Schedule (Genesis Group / Team)

- a. **No response yet from BP2K on the revised schedule.**

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

10. Technical Specifications (Team)

- a. No comments have been received on technical specification, primarily on architectural.**

11. Construction Document Submittal Requirements (Team)

11.1 General Requirement

11.2 Drawings

11.3 Opinion of Probable Construction Cost

- a. Opinion of Probable Cost has been stymied due to the specialty nature of the unique park elements. The backbone items are included in the Probable Cost submitted to Blueprint.**
- b. Shade structure selection has been made.**

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 Permitting Flow Chart was distributed again.**
- b. A meeting was held with FDEP. Simultaneous submittal of dredge and fill and stormwater application will be made per FDEP.**
- c. FDEP's primary concerns are related to the accidental discharge of alum and the potential for excessive ph.**
- d. EIA revisions were delivered by EGS at the meeting. No new fee will be required for re-submittal. Two copies of the EIA and Rodney's cover letter were turned over to Ed Ringe for submittal to the City Growth Management Department.**
- e. Linear Infrastructure Variance submittal should follow the EIA re-submittal. EIA will be approved only upon approval of the variance.**
- f. John Buss cautioned about the Commission break in June.**
- g. 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. **Blueprint will provide direction regarding the desired Renderings.**
- b. **Hardscape plan comments have not been received. Landscape comments were received from Moore Bass and Parks and Recreation. A meeting will be scheduled with the Fountain Designers.**

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. **Plaza design is pending the design of the signature bridges by Figg. This will also delay the design of the shade structure, landscaping, walkways and final grading.**
- b. **Koren Taylor requested that Parks and Recreation check the health of the oak tree adjacent to the incinerator building.**
- c. **Susan Tanski will ask Gene Crawford to inspect the oak tree's health and provide his opinion in writing. Engineering controls around the incinerator tree is a concern.**
- d. **Several meetings were held with the City with regard to contamination. City presently is cleaning up and removing the incinerator building.**
- e. **Other areas of contamination are in the path of the box culvert, and other project elements (walkways, utilities, etc.).**

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)

- a. **A proposal for assessing the existing well condition will be requested.**
- b. **Concern was expressed about excessive phosphorus and nitrogen in the re-use water. A suggestion was made to develop an irrigation operating and maintenance plan to protect water quality.**
- c. **Genesis is waiting on comments from Blueprint 2000 related to the Cascade Park Lane profile.**

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. Safe capacity determination can be made prior to receipt of re-calibration model.

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)

a. CSX submittal will be made after Blueprint reviews the plan changes.

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

- 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**)