1. **Project Title**: Southwest Ranches Water Quality and Drainage Project: SW 160th Avenue

2. **Senate Sponsor**: Lauren Book

3. **Date of Request**: 11/13/2019

4. **Project/Program Description**

   This project will connect the northern end of the Ivanhoe lake system through the park directly west through culvert pipes installed under SW 160th Avenue, SW 163rd Avenue, and a single residential property, which is adjacent to an existing canal that flows into the SBDD S8 Pump Station and discharges into the SFWMD’s Primary C-11 Drainage Canal before direct discharge into the adjacent Everglades Water Conservation Area 3A. This project includes installing catch basins and piping along SW 160th Avenue to remove stormwater from State Road 818 (Griffin Road). Water will be directed west into the 22-acre Southwest Meadows Sanctuary Park through a pipe and into a swale. The water will be treated through a newly created three-acre wetland area. The wetland will serve to reduce nutrient loading and provide flood control while acting as a wildlife habitat.

5. **State Agency to receive requested funds**: Department of Environmental Protection

   State Agency contacted?  Yes  No

6. **Amount of the Nonrecurring Request for Fiscal Year 2020-2021**

<table>
<thead>
<tr>
<th>Type of Funding</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operations</td>
<td>000</td>
</tr>
<tr>
<td>Fixed Capital Outlay</td>
<td>450,000</td>
</tr>
<tr>
<td><strong>Total State Funds Requested</strong></td>
<td>450,000</td>
</tr>
</tbody>
</table>

7. **Total Project Cost for Fiscal Year 2020-2021 (including matching funds available for this project)**

<table>
<thead>
<tr>
<th>Type of Funding</th>
<th>Amount</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total State Funds Requested (from question #6)</td>
<td>450000</td>
<td>82.0 %</td>
</tr>
<tr>
<td><strong>Matching Funds</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Federal</td>
<td>00</td>
<td>0 %</td>
</tr>
<tr>
<td>State (excluding the amount of this request)</td>
<td>00</td>
<td>0 %</td>
</tr>
<tr>
<td>Local</td>
<td>100,000</td>
<td>18 %</td>
</tr>
<tr>
<td>Other</td>
<td>00</td>
<td>0 %</td>
</tr>
<tr>
<td><strong>Total Project Costs for Fiscal Year 2020-2021</strong></td>
<td>550,000</td>
<td>100 %</td>
</tr>
</tbody>
</table>

8. **Has this project previously received state funding?**  Yes  No

   If yes, provide the most recent instance:

<table>
<thead>
<tr>
<th>Fiscal Year (yyyy-yy)</th>
<th>Amount</th>
<th>Specific Appropriation #</th>
<th>Vetoed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recurring</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonrecurring</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9. **Is future-year funding likely to be requested?**  Yes  No

   If yes, indicate nonrecurring amount per year.
## 10. Details on how the requested state funds will be expended

<table>
<thead>
<tr>
<th>Spending Category</th>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Administrative Costs:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Executive Director/Project Head Salary and Benefits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other Salary and Benefits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expense/Equipment/Travel/Supplies/Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consultants/Contracted Services/Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Operational Costs: Other</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salary and Benefits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expense/Equipment/Travel/Supplies/Other</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Consultants/Contracted Services/Study</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fixed Capital Construction/Major Renovation:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Construction/Renovation/Land/Planning Engineering</td>
<td>Excavation, construction of storm drainage pipe, construction of concrete catch basins and inlets with grates, grading, filling and street repair and repaving, and installation of swales and sod.</td>
<td>450,000</td>
</tr>
<tr>
<td><strong>Total State Funds Requested (must equal total from question #6)</strong></td>
<td></td>
<td>450,000</td>
</tr>
</tbody>
</table>
11. **Program Performance**

a. What specific purpose or goal will be achieved by the funds requested?

The benefits of the project will also be to significantly reduce flooding within SW 160th Avenue during heavy rainfall events. Currently, the roadway is prone to extensive and prolonged flooding within the project limits described above, due to the lack of positive drainage connections. The project was intentionally designed to include three acres of created wetlands along the park waterway to improve water quality from the surrounding storm water run-off. All drainage components will be constructed in compliance with NPDES criteria including required BMP’s.

The proposed project will have a positive effect on implementing the SFWMD’s, Corps of Engineers and Florida’s Department of Environmental Protection primary goal to reduce total phosphorus (T.P.) in the CERP Basin and reduce flooding. The project has been supported and prioritized by Broward County’s Mitigation Task Force.

b. What activities and services will be provided to meet the intended purpose of these funds?

Upon completion, this project will connect the northern end of the Ivanhoe lake system through the park directly west through culvert pipes installed under SW 160th Avenue, SW 163rd Avenue, and a single residential property, which is adjacent to an existing canal that flows into the South Broward Drainage District S8 Pump Station and discharges into the SFWMD’s Primary C-11 Drainage Canal before direct discharge into the adjacent Everglades Water Conservation Area 3A.

c. What direct services will be provided to citizens by the appropriation project?

The project will remove flood waters from roadways in the heavily traveled area of Southwest Ranches.

d. Who is the target population served by this project? How many individuals are expected to be served?

The project goal is to alleviate flood staging and routing. The execution of these respective projects will provide flood relief to all of our constituents. SW 160th Avenue serves as a cut through area for traffic for the Town of Davie, City of Weston, and City of Pembroke Pines.

e. What is the expected benefit or outcome of this project? What is the methodology by which this outcome will be measured?

This project will have the following measurable outcomes:
1. Provide three acres of wetlands for water retention and purification aimed at reducing the levels of nutrient loads (both Total Phosphorus and Nitrogen) from adjacent urban stormwater runoff. The wetlands are being designed to treat the stormwater run-off and are not for mitigation plans or credits.
2. Decrease the S-8 Secondary Drainage Canal’s duration of peak stages following major storms in the Ivanhoe and Green Meadow’s Neighborhoods.
3. Increase the storage capacity in the basin and increase water quality.
4. It allows for Best Management Practices for the pretreatment of stormwater runoff, which eventually flows into the C-11 Canal and into the Everglades.

f. What are the suggested penalties that the contracting agency may consider in addition to its standard penalties for failing to meet deliverables or performance measures provided for in the contract?

De-obligation of funding.
12. The owners of the facility to receive, directly or indirectly, any fixed capital outlay funding. Include the relationship between the owners of the facility and the entity.

This drainage project will be completed within Southwest Ranches right-of-way.

13. Requestor Contact Information
   a. First Name: Andrew
   b. Organization: Town of Southwest Ranches
   c. E-mail Address: aberns@swranches.org
   d. Phone Number: (954)434-0008 Ext.

14. Recipient Contact Information
   a. Organization: Town of Southwest Ranches
   b. Municipality and County: Broward
   c. Organization Type
      - For-profit Entity
      - Non-Profit 501(c) (3)
      - Non-Profit 501(c) (4)
      - Local Entity
      - University or College
      - Other (please specify)
   d. First Name: Emily
   e. E-mail Address: eaceti@swranches.org
   f. Phone Number: (954)3437453

15. Lobbyist Contact Information
   a. Name: Nelson Diaz
   b. Firm Name: Southern Strategy Group
   c. E-mail Address: diaz@sostrategy.com
   d. Phone Number: (305)4216304 Ext.
Please complete the questions below for Water Projects only.

16. Have you applied for alternative state funding?
   - Waste Water Revolving Loan
   - Drinking Water Revolving Loan
   - Small Community Wastewater Treatment Grant
   - Other (please specify)
   - N/A

17. What is the population economic status?
   - Financially Disadvantaged Community (ch. 62-552, F.A.C.)
   - Financially Disadvantaged Municipality (ch. 62-552, F.A.C.)
   - Rural Area of Economic Concern
   - Rural Area of Opportunity (s. 288.0656, Florida Statutes)
   - N/A

18. What is the status of construction?
   - Not completed.

19. What percentage of the construction has been completed?
   - 0%

20. What is the estimated completion date of construction?
   - 12/31/2020

The information provided will be posted to the Florida Senate website for public viewing if sponsored by a Senator.