NOTICE OF INTENDED DECISION
TO ENTER INTO A SINGLE SOURCE CONTRACT
(PUR 7778)

This Notice of Intended Decision to Enter into a Single Source Contract is posted in accordance with section 287.057(3), Florida Statutes.

AGENCY
FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

TITLE
Short description of the commodity or service desired:

SOIL AND WATER ENGINEERING TECHNOLOGY, INC.

CONTACT
Name: VIANKA COLIN, PURCHASING DIRECTOR
Address: 407 S. Calhoun Street, SB-8 Mayo Building, Tallahassee, FL 32399
Telephone: (850) 617-7181
Email: Vianka.Colin@FreshFromFlorida.com

Internal tracking number, if any: SS 17 18 121
DMS Single Source number, if applicable:

Date Posted: 06/01/2017 Time Posted: 12:00 p.m.
Until
Date Posted: 06/06/2017 Time Posted: 12:00 p.m.

Commodity or Contractual Service (commodity or United Nation Standard Products and Services Code (UNSPSC), manufacturer, model, and description, as appropriate): 43232300

Requestor (division, bureau, office, individual, as appropriate): Roy L. Neel, Office of Agricultural Water Policy

Performance and/or Design Requirements (intended use, function or application, compatibility, requirements; reference to policy, rule, statute or other act of the Legislature, as appropriate):

Vendor must have expertise and previous experience in watershed hydrology and nutrient transport processes.

Vendor must have past expertise and experience with the Watershed Assessment Model (WAM).

Vendor must have experience with the existing applications of WAM in the Lake Okeechobee Watershed.

Vendor must have strong capabilities and disciplines in the evaluation procedures for watershed models including goodness-of-fit and sensitivity and uncertainty analyses.

Vendor must have a diverse base of historical experience in the Lake Okeechobee Watershed.

Vendor must have experience with analyzing cost-share best management practices and assessing their treatment efficiencies and storage capacities.

Contractor must be able to:
• Task 1 – Recalibrate the six northern sub-watersheds. The Vendor shall develop a WAM Recalibration Report that includes information on the datasets used as well as any issues that were encountered.

• Task 2 – Using the calibrated and validated WAM, the Vendor will develop and run five alternative scenarios for the northern and southern sub-watersheds.

• Task 3 – Recalibrate the three southern sub-watersheds.

• Task 4 – The Vendor will update WAM, so it is compatible with ArcGIS 10.4.1 and newer versions.

• Task 5 – The Vendor will work with Coordinating Agencies to design and simulate project scenarios to assist in prioritizing different management measures (particularly agriculture) for implementation in the Lake Okeechobee Basin Management Action Plan area.

• Task 6 – The Vendor will work with Coordinating Agencies to identify total phosphorus and total nitrogen hotspots in the Lake Okeechobee Watershed.

• Task 7 – The Vendor will gather information on key cost-share BMPs to conduct analysis of TP and TN treatment efficiencies and storage capacity of common cost-share practices in the Caloosahatchee and St. Lucie River Watersheds. The Vendor will also develop standard methodology and calculate TP and TN treatment efficiencies and storage capacities.

• Task 8 – Update 2006 “Phosphorus Reduction Performance and Implementation Costs under BMPs and Technologies in the Lake Okeechobee Protection Plan Area” to include updated TP and TN BMP treatment efficiencies.

• Task 9 – Update 2008 “Nutrient Loading Rates, Reduction Factors and Implementation Costs Associated with BMPs and Technologies” for the Caloosahatchee and St. Lucie River Watersheds to include updated TP and TN BMP treatment efficiencies.

• Task 10 – Conduct pre-drainage characterization for all or selected, as determined by the Coordinating Agencies, sub-watersheds within Lake Okeechobee Watershed.

• Task 11 – Vendor will provide to Florida Department of Agriculture and Consumer Services Office of Agricultural Water Policy (FDACS OAWP) any scientific documents the Vendor has or will have TP and TN treatment efficiencies associated with any agricultural best management practices (BMPs), which may be considered or included in WAM updates. For the BMPs that are represented in the WAM, the Vendor will note how the information in the provided documents was used to determine the treatment efficiencies used in the model.

• Task 12 – As requested, the Vendor will provide professional verbal or written opinion on the capability and practicality of existing or new technologies and/or techniques to remove or retain excess nitrogen and/or phosphorus from agricultural surface water or groundwater, which FDACS OAWP may be investigating.

Intended source (vendor, contractor):
SOIL AND WATER ENGINEERING TECHNOLOGY, INC.

Price:
Approximate Contract(s) Amount: $1,200,000
Justification for single source acquisition (what is necessary and unique about the product, service or source; steps taken to confirm unavailability of competition, as appropriate):

Soil and Water Engineering Technology, Inc. is a science and engineering based firm that (1) specializes in the hydrological and contaminant transport processes and assessment technologies for parcel and watershed scale systems, (2) as the developer of the WAM model and having successfully used it to evaluate over 25 watersheds throughout Florida, has an unique and unparalleled expertise in the use and application of WAM, (3) completed the existing WAM simulations that are to be updated and evaluated during the above referenced project, and therefore is in the unique position of having a complete knowledge and ready access to all existing data and previous simulations, (4) has Dr. Del Bottcher on staff with over 30 years of experience working in the Lake Okeechobee Watershed.

Approved By (names & titles, as appropriate, e.g., requestor, requestor management, information systems, budget, purchasing):

Steven Dwinell, Office of Agricultural Water Policy
Roy L. Neel, Office of Agricultural Water Policy
Vianka Colin, Purchasing Director
Joey B. Hicks, Director, Division of Administration

Failure to file a protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to file a bond or other security within the time allowed for filing a bond, shall constitute a waiver of proceedings under Chapter 120, Florida Statutes.