

**TOWNSHIP OF BLOOMFIELD
PUBLIC NOTICE
SOLICITATION OF PROFESSIONAL SERVICE CONTRACTS FOR
ENVIRONMENTAL RESOURCE INVENTORY**

DEADLINE EXTENDED – NO OTHER CHANGES MADE

The Township of Bloomfield is soliciting a request for Proposal (“RFP”) to provide

ENVIRONMENTAL RESOURCE INVENTORY

for a contract period beginning on May 1, 2021 and ending December 31, 2021.

Sealed submissions will be received by the Township Clerk, or designated representative for the Township of Bloomfield, County of Essex, State of New Jersey on **Wednesday, April 14, 2021, 11:00 A.M. prevailing time, in Council Chambers, Municipal Building, Municipal Plaza, Bloomfield, New Jersey 07003**, then publicly opened and read aloud. All proposals must be delivered to the Township Clerk’s Office, Township of Bloomfield, 1 Municipal Plaza, Room 214, Bloomfield, NJ 07003. **YOU ARE REQUIRED TO SUBMIT ONE (1) UNBOUND COPY OF THE PROPOSAL AND ONE (1) ELECTRONIC COPY ON A CD OR THUMB DRIVE.**

All proposals shall include all of the information requested in the Standardized Submission Requirements and selection criteria, which is available on the internet at <http://www.bloomfieldtwpnj.com/244/Bids-RFPs-RFQs>. Bids will be deemed incomplete if all of the documents are not submitted according.

All professional service contractors are required to comply with the requirements of N.J.S.A. 52:32-44 (Business Registration of Public Contractors), N.J.S.A. 10:5-31 et seq. and N.J.A.C. 17:27 et seq. (Contract compliance and Equal Employment Opportunities in Public Contracts).

Submissions by Corporations and Partnerships shall include a completed Disclosure of Ownership form (N.J.S.A. 52:25-24.2) and shall include a completed Non-Collusion Affidavit.

The Mayor and Council reserves the right to reject any or all submissions due to any defects or waive informalities and accept any submissions that in their judgment will be in the best interest of the Township. The Mayor and Council shall award the contract or reject all submissions no later than 60 days from receipt of same.

By authorization of the Mayor and Council of the Township of Bloomfield, Essex County, New Jersey.

TOWNSHIP OF BLOOMFIELD
REQUEST FOR PROPOSAL - ENVIRONMENTAL RESOURCE INVENTORY

The Township of Bloomfield is approximately 5.3 square miles in size with a population approaching 50,000 persons, and an annual operating budget of \$70-80 million. The Bloomfield Environmental Commission is an advisory body that among other responsibilities is charged with maintaining an index of environmental resources in the Township.

Bloomfield Township's Environmental Commission is seeking proposals for an Environmental Resource Inventory ("ERI"). The purpose of the ERI is to compile the natural resource characteristics, environmentally significant features, and community attributes to be used for township planning. The ERI report shall consist of text, tables, and maps along with related shapefiles and metadata for inclusion to the township's digital web mapping tool. The ERI will be presented for consideration and adoption by the Township Planning Board as part of the Master Plan.

Scope of Services

The ERI shall be prepared in accordance with the Association of New Jersey Environmental Commissions' (ANJEC) and Sustainable Jersey's published guidance. See attached index for example of potential resources to include in the Township's ERI as applicable.

All digital datasets used in creating the mapping shall be provided to the Township for integration with Bloomfield's GIS Digital Map (ESRI shape file of Geodatabase format in NJ NAD83 Projection). All tables, maps, and other graphics shall be integrated into the text of the report in a reader-friendly manner. Large format printed maps should be produced only if necessary (i.e., if the information shown is not digitized). The awarded vendor shall provide the Township (5) five color hard copies, the electronic document, and related GIS files within 1 year of contract award.

Minimum Qualifications and Experience

Please submit a description of your firm's qualifications and experience in preparing ERIs and working with GIS. All work should be completed by the firm's in-house team - no outside consultants shall be used without approval from the Township.

Proposal Submission Requirements

- Township documents package (standard submission requirements)
- Cover Letter
- Resumes of key personnel
- Summary of previous experience with municipalities similar to Bloomfield, number of ERIs completed prior
- References
- Sample Table of Contents
- Proposed project timeline (including deliverables)

- Rate schedule and budget - include a kickoff meeting and up to 3 additional status meetings

Criteria for Selection

The Township Council, with advice from the Environmental Commission, shall review and evaluate each submission and selection will be made upon the following criteria:

- Firm's experience and reputation in the field;
- Knowledge of the subject matter of the services to be provided to the Township;
- Knowledge of the Township; its physical and environmental factors;
- References (minimum of 3 for ERIs of similar nature);
- Firm's proximity to Township;
- Compensation proposal;
- Compliance with the minimum qualifications established by the Township;
- Other factors determined to be in the best interest of the Township.

ALL RESPONSES MUST MEET THE ABOVE REQUIREMENTS AND THE REQUIREMENTS CONTAINED IN THE TOWNSHIP'S STANDARDIZED SUBMISSION REQUIREMENTS FOR PROFESSIONAL SERVICES.

ENVIRONMENTAL RESOURCE INVENTORY - INDEX OF RESOURCES

Following is a suggested index of resources to be referenced in the Bloomfield Township ERI. The Environmental Commission shall work with the awarded firm and leverage their expertise to determine the most appropriate index for Bloomfield, using all available resources, including but not limited to township/county/state/federal resources.

Geology

1. Bedrock unit name and lithology
2. Structure (strike, dip)
3. Major faults
4. Depth to bedrock
5. Unconsolidated materials (loose rocks, sands) and thickness
6. Mineral resources (sand and gravel)
7. Geologic cross sections
8. Outcrop areas

Soils

1. Soil types, texture, stoniness, depth, hydrological types, associations, classifications
2. Erodibility, potential soil loss in cubic feet per year
3. Percolation rates
4. Depth to groundwater
5. Surface runoff, permeability, perviousness
6. Fertility (vegetative capability)
7. pH
8. Nutrient absorption
9. Historic fill

Topography

1. Slope, relief, elevation
2. Steep slopes
3. NJ physiographic region and subregions
4. Provide digital elevation model w/ GIS package

Hydrology

1. Groundwater
 - a. Aquifer outcrop; location, extent, thickness (if applicable)
 - b. Potable water; well head protection areas
 - c. Direction/rate GW movement
 - d. Groundwater recharge and discharge areas, if available
 - e. Depth to groundwater
 - f. Classification Exception Area (CEA) extents
 - g. Properties with water allocation permits

2. Surface Water

- a. Types, location, names
- b. Direction of flow
- c. Watershed and subwatersheds
- d. Designation/classification of surface water bodies and tributaries (trout production trout maintenance, etc.)
- e. Regulated riparian buffers
- f. Low flow of streams — mean 7 day/10 year recurrence interval
- g. Floodplains, wetlands, marshes, bogs, flood hazard areas (1%, .02%)
- h. Water quality monitoring stations
- i. Water quality (e.g. aquatic life, primary contact recreation, drinking water supply)
- j. Protection of water resources (municipal stormwater management)
- k. Culverted streams
- l. % impervious cover
- m. Intakes and outfalls, discharges
- n. Dams and weirs
- o. Fish consumption advisories
- p. Impaired waters

Wetlands

1. Identifying factors
 - a. Wetlands vegetation (hydrophytes)
 - b. Wetlands soils (hydric soils)
 - c. Hydrology (presence of water sufficient to support wetlands vegetation)
2. Types of wetlands
 - a. Marine (open ocean and associated coastline)
 - b. Estuarine (salt and brackish marshes, coastal rivers and bays)
 - c. Riverine (freshwater rivers and streams)
 - d. Palustrine (freshwater marshes, bogs or swamps)
 - e. Lacustrine (freshwater lakes, reservoirs or large ponds)
3. Wetlands classifications
 - a. Exceptional resource value wetlands (discharge into trout production waters or their tributaries, or provide habitat for threatened or endangered species)
 - b. Ordinary resource value wetlands (isolated wetlands or those more than 50% surrounded by development, less than 5,000 sq. ft., or drainage ditches, swales and detention facilities)
 - c. Intermediate resource value wetlands (neither exceptional nor ordinary)

Vegetation & Wildlife

1. Types of vegetation
2. Native species
3. Known/possible habitat for endangered/ threatened plant and wildlife species
 - a. Beneficial species habitats (i.e. pollinator habitat)
 - b. Rare, threatened and endangered species of special concern habitats

- c. Nuisance and hazardous species habitats
 - d. Abundance and distribution within habitat and season
 - e. Economically valuable species
4. Forest cover
 5. Street trees

Land Use

1. Existing
 - a. Open space, public and private (including easements). This section should also include an inventory of permanently preserved farmland and open space lands. Permanently preserved lands include those lands acquired with state Garden State Preservation Trust funding, municipal & county dedicated land preservation trusts, or any funding source with the requirement that the land remain in perpetuity).
 - b. Easements - Roads, railroads, pipelines, utility corridors
 - c. Recreation areas, public and private (incl. parks - town and county, Morris Canal Trail)
 - d. Agricultural areas
 - e. Industrial areas
 - f. Waste treatment and disposal facilities (sewage and solid)

Air

1. Air quality: national “Clean Air” standards
2. State, county, local air monitoring sites and statistics
3. Static sources of air pollution
4. Major vehicular air pollution areas
5. Radon

Also Consider:

- *Parks and Trails*
- *Climate*
- *People (population density)*
- *Known contaminated sites, brownfields, and sources of pollution*
- *Deed notice (contaminated soils etc.)*
- *Noise sensitive areas / significant sources of noise*
- *Light pollution*
- *Historic / Cultural features (for example the Town Green - already in master plan)*
- *Existing / planned infrastructure (referencing the ANJEC white paper on ERI's)*