

Odor Reporting Web Application

Request for Proposal

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Introduction & Background

The Conservancy Initiative, an environmental non-profit, is in need of an Odor Reporting Web Application and is accepting proposals in response to this Request for Proposal in order to find a qualified source to provide a web application, backend database, web hosting and reporting. Our goal with the Odor Reporting Web Application is enable residents to quickly and with ease, report odors observed that are out of the ordinary. Specifically, odors emitting from a landfill or from construction efforts. This project has specifically arisen from the odors coming from the Arbor Hills Landfill in Salem Township, MI. Residents have been calling the Michigan Department of Environmental Quality (MDEQ) to report such odors, in turn, the MDEQ generates an email and Odor Log and sends notification to the landfill and key individuals. The residents need a mechanism to log the events themselves.

Goals

1. Provide a web application that allows users to report odors very quickly and intuitively
2. Form submission should take less than 1 minute
3. Store reports in a SQL Database
4. Ability to provide reports

The objective of this Request for Proposal is to locate a source that will provide the best overall value to The Conservancy Initiative While price is a significant factor, other criteria will form the basis of our award decision, as more fully described in the Evaluation Factors section of this Request for Proposal below.

Submission Guidelines & Requirements

The following submission guidelines & requirements apply to this Request for Proposal:

1. Only qualified individuals or firms with prior experience on projects such as this should submit proposals in response to this Request for Proposal.

2. Bidders intent on submitting a proposal should so notify the representative identified on the cover page no later than 11/24/2017

3. Bidders must list at least (3) projects that are substantially similar to this project as part of their response, including references for each. Examples of work should be provided as well

4. A technical proposal must be included that is not more than (4) pages. This technical proposal must provide an overview of the proposed solution as well as a proposed schedule and milestones, as applicable.

5. A price proposal must be provided that is not more than (5) pages. This proposal should include the technical overview along with a schedule and milestones. The price proposal should indicate the overall fixed price for the project as well as hourly rates, an estimated total number of hours should the contract be awarded on an hourly basis.

6. Proposals must be signed by a representative that is authorized to commit bidder's company.

7. If you have a standard set of terms and conditions, please submit them with your proposal. All terms and conditions will be subject to negotiation.

8. Proposals must be received prior to 12/01/2017 to be considered.

9. Proposals must remain valid for a period of 60 days.

10. The Conservancy Initiative anticipates selecting up to two individuals or firms to have more in-depth discussions with, and will make an award to one of these "down-selected" individuals or firms

Project Scope

This solution should be a single-page, mobile-enabled web application using a web form to send information to an ASP.NET Core application on the server side, which interfaces with a SQL server for data storage. Due to the nature of .NET Core, the server application should be compatible with Windows, OSX, and Linux, provided an appropriate SQL server is available. The client application is platform agnostic. System load should be considered minimal in both cases.

Additionally, the SQL system should be configured to allow report generation for all odor complaints for a given timeframe, by address or name.

The criteria set forth below should be met to achieve successful completion of the project:

1. ASP.NET Core (MVC 6) v2.0.0
2. Microsoft SQL Server 2014
3. jQuery v3.2.1
4. Twitter Bootstrap v4 Alpha 6
5. Hosting platform with monthly pricing (24-month term)
6. Email capable
7. Management page (all reports will run from management page)
 - a. Request “canned” reports (4)
 - i. All complaints for a given time period (no limit)
 - ii. All logs for a given address
 - iii. All logs for a given full name
 - iv. All logs for a given type of day
 - b. Load/modify email addresses for reports
 - c. Ability to print reports from the page
 - d. Ability to export reports to .csv format
 - e. Password protected with username and password
 - f. Ability to create/add users and manage passwords
8. End user submission form should consist of the following fields:
 - a. First Name
 - b. Last Name
 - c. Address
 - d. City
 - e. State
 - f. Zip
 - g. Address of odor
 - h. Date
 - i. Time

- j. How long have you smelled the odor
- k. Type of odor (5 options)
- l. Odor Scale (0 – Non Detectable thru 5 – Odor so strong and overpowering)

Acceptance of the work is contingent on the following acceptance criteria:

1. A user can load the web application on a mobile phone (iOS, Android), or desktop (IE, Chrome, Firefox)
2. Fill out and submit the form within a 1-minute timeframe
3. Receive email confirmation of the form submission
4. Additional recipients receive the form embedded in the email message
 - a. Optionally pdf attachment
5. Initiative coordinator is able to add a user and set password

RFP & Project Timelines

11/08/2017 - Request for Proposal Issuance

11/30/2017 - Selection of Top Bidders / Notification to Unsuccessful Bidders

12/5/2017 - Start of Negotiation

12/8/2017 - Contract Award / Notification to Unsuccessful Bidders

The need-date for project completion is 01/30/2017. Bidders may propose a date earlier or later, and will be evaluated accordingly.

Budget

The Conservancy Initiative's budget for the project is \$16,500 for project and labor, \$5,500 annually for hosting and maintenance and unlimited support.

Evaluation Factors

The Conservancy Initiative will rate proposals based on the following factors, with cost being the most important factor:

1. Responsiveness to the requirements set forth in this Request for Proposal
2. Relevant past performance/experience
3. Samples of work
4. Cost, including an assessment of total cost of ownership
5. Technical expertise/experience of bidder and bidder's staff

The Conservancy Initiative reserves the right to award to the bidder that presents the best value to The Conservancy Initiative as determined solely by The Conservancy Initiative in its absolute discretion.