



ARCHITECTURAL
GROUP

SPIEZLE ARCHITECTURAL GROUP, INC.

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December 10, 2013 (revised from July 15, 2013)

Mr. Paul Minotti
Neshaminy School District
2001 Old Lincoln Highway
Langhorne, PA 19047

**Re: Neshaminy School District – GIS Data System
Spiezle Architectural Group, Inc.**

Dear Mr. Minotti:

Please find an updated proposal for services to provide GIS mapping capability for the district to assess demographic and enrollment boundaries for the elementary and middle schools. We propose to provide this effort using Civil Solutions as an additional consultant under our agreement.

Revisions to the proposal since its original submission include the addition of the middle schools to the process to match the recently completed capacity assessment and additional meetings in district around the development of the data have been added.

Our efforts associated with this scope of services would be encompassed within our contractual markup on services resulting in a total proposed fee of Thirteen Thousand Six Hundred Eighty Dollars (\$11,400.00 x 1.20 = \$13,680.00). The detailed GIS services proposal from Civil Solutions is attached for your reference as well.

Please do not hesitate to contact me should you have any questions.

Sincerely,
SPIEZLE ARCHITECTURAL GROUP, INC.

A handwritten signature in black ink, appearing to read "S Downie", written over a light grey rectangular background.

Scott Downie, AIA, LEED^{AP}
Principal

C: S. malin

MARYLAND

NEW JERSEY

NEW YORK

PENNSYLVANIA

SOUTH CAROLINA

December 10, 2013



SENT VIA EMAIL (smalin@spiezele.com)

Scott L. Malin, AIA, PP, LEEDap
Senior Associate
Spiezele Architectural Group, Inc.
321 West State Street
Media PA 19063

Re: Neshaminy School District, PA
School Analysis GIS Support
CS #13-0431

Scott:

Simplifying GIS
through Innovation

Thank you for providing us with this opportunity to support you in your potential work for the Neshaminy School District (District). Based on our phone call and subsequent emails regarding the project, I have identified the following potential scope items for our work:

Geospatial System Design
Systems Integration
Application Development
Digital Mapping
Database Administration
.NET & Java Coding
ArcGIS Server Support
Software & Training
Technical Support

1. Locate Students. We will use the address information provided by the BOE, combined with currently available address reference information, to locate the District's approximately 8,500 K-12 students (4,000 elementary) within the project area. We assume that the student database will include information we need to locate the students and proceed with subsequent analyses. Further we assume that manipulation of the source information will be minimal prior to our use. The process of mapping the students is largely supported by address reference data, and we will strive to obtain the best publically available (no cost) data to perform the work.

850 S. White Horse Pike
P.O. Box 579
Hammonton, NJ
08037-2019
Tel (800) 924-0482
Fax (609) 704-8011

We will try to match each student to their location, but it is often very difficult to achieve a 100% match. We will work with you to determine the best course of action to proceed if we simply can't find the remaining student locations (assumed to be a small percentage). We may request help from the District in locating the students that remain unfound, and we assume that someone will be available and knowledgeable to help in that process.

www.civilsolutions.biz

We estimate the time to complete this task as 68 hours. My time/cost expectation for this effort is based on previous work that we have performed for school districts and the uncertainty and complexity of the address location process.

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GIS Community from:

Hammonton, NJ
Newark, NJ

2. Map Schools & School Areas. We will use the information provided by the District to build a map of the schools and areas for the elementary and middle schools. We understand that the source information will be school listing and an MS Excel listing of streets within a school boundary, as well as "school residing" and "school attending" data in the student records.



We have used this type of information in the past to build boundaries, which will include a confirmation from the District that the boundaries are correct. While data exists defining boundaries, there are often questions and inconsistencies that will require District input.

In addition to the GIS data layers, Civil Solutions will generate a school boundary map (24"x36" PDF) resulting from our mapping to assist with the District's confirmation and final boundary display.

We estimate the time to complete this task as 45 hours.

3. GIS Analysis Support. We will establish a GIS model to support the analysis of identifying the impacts of moving school boundaries on the student counts and allocations. The model will recount the students based on geography and grade level which will be used as input to an MS Excel spreadsheet to complete the pre- and post-change analysis.

Civil Solutions will generate the tabular and map results for the analysis. We anticipate that the District will require no more than three (3) scenarios, the parameters (boundary changes) of which will be provided to us as inputs. We have the ability to connect remotely through the Internet to collaborate with you and/or the District (e.g., Web Ex), or we can attend an on-site meeting.

We anticipate that if a certain category of students remain at a current school regardless of a boundary change (e.g., special services) that we will be provided student data to support those exclusions.

Civil Solutions will provide the GIS Model and supporting MS Excel tables to the District as part of the project. We assume that the District has or will purchase the GIS software needed (Esri ArcGIS 10.x) to support the GIS Model outside the scope of this proposal.

We estimate the time to complete this task as 30 hours broken into 18 hours preparation and 4 hours per scenario for performing the work and producing the associated graphics.

4. Meeting Support. Our scope of work includes a maximum of 4 on-site meetings in addition to the collaboration that we could perform remotely as stated above. If more than 4 meetings are required, we can accommodate your request for an additional price of \$500/meeting.



Civil Solutions proposes to support you on this project for a lump sum amount of **\$11,400** for the base project. Our price will be adjusted upward by additional meeting time or \$600.00 for any additional boundary analyses.

I hope this quotation is in a form that supports your pursuit of this opportunity. If you need any other information or have any questions, please give me a call at (609) 457-5895.

Thank you again for the opportunity, and I hope we can work together on this project to bring benefit to the District.

Sincerely,



Richard Rehmann, GISP
President

cc: Scott Downie, Principal

RSR/rr
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