



P20150410.000

May 5, 2015

Mr. Hasmukh Patel, P.E.  
Assistant City Engineer  
City of Parma  
6611 Ridge Road  
Parma, OH 44129

*sent via email: [hpatel@cityofparma-oh.gov](mailto:hpatel@cityofparma-oh.gov)*

**Re: Professional Engineering, Survey, Environmental & Geotechnical Services Cost Proposal  
City of Parma - Chevrolet Basin Storm and Sanitary Sewer Improvements  
Parma, Ohio**

Dear Mr. Patel,

Osborn Engineering is pleased to offer our professional engineering, survey, environmental and geotechnical services for the above referenced project. It is our understanding that the City of Parma is interested in replacing approximately 3,100 linear-feet of sanitary sewer and 600 linear-feet of storm sewer. Osborn Engineering will provide construction plans and profiles for the proposed utilities.

The anticipated scope of the proposed improvements is as follows:

1. Establish horizontal and vertical survey control for the project and reference existing monuments.
2. Perform a location survey throughout the project limits, including the location and elevation of ground surface objects such as manhole castings, inlets, water valves, utility manholes (with inverts and pipe diameters) and other castings within the survey limits.
3. Review the City's existing records to determine approximate location of existing waterlines, sewers, connections and other various utilities.
4. Sample and test the subsurface materials within the project site, to depths that will be impacted by the proposed utility work.
5. Recommendations for subgrade preparation, pavement design, trench support and dewatering and excavation procedures for utility line replacement.
6. Perform eight (8) test borings and pavement section cores. Test borings will be drilled to depths of 15 feet below existing surface grade.
7. Review historical aerial photographs, county maps, insurance maps, maps of existing and/or former oil and gas well locations on-file with the Ohio Department of Natural Resources (ODNR), city road maps and topographic maps of the Project Area.

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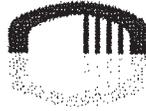
EXHIBIT-"A"



8. Conduct a regulatory records database review through a subcontract with Environmental Data Resources, Inc. (or equivalent) to identify facilities located within a one-quarter (0.25) mile radius of the Project Area.
9. Prepare an ESA Screening report consistent with the requirements of ODOT's "Environmental Site Assessment Guidelines" issued April 2009. Any exceptions to, or deletions from, the referenced standard will be identified in the ESA Screening report. The Client will be provided with a copy in electronic format (Adobe Acrobat) burned on a CD.
10. Provide construction plans & profiles, calculations and specifications for the proposed sanitary sewer and storm drain work.
11. In addition to the storm and sanitary improvements, Osborn will incorporate additional repairs to the sanitary and storm sewer systems based upon an I&I report prepared by others including spot repairs, lining and connection repairs within the public right-of-way.
12. Prepare Bidding documents including the bid booklets in accordance with the City of Parma. Osborn will submit 15 sets of the bidding documents to the City including improvement plans, bid booklets and cost estimates.
13. Assist the City with the preparation of documents required for grant applications for the USACOE 594 grant and OPWC Issue 1 grants including sketches, narratives of the work and cost estimates.
14. Develop Stormwater Pollution Prevention Plans in accordance with the OEPA
15. Develop Maintenance of Traffic plans to be used by the contractor during utility installation.
16. Osborn personnel will perform a site visit to field inspect the pavement surface, traffic lights, signage, curbs, curb inlets, drive aprons and curb ramps.
17. Submit plans for City and County review and approval.
18. Prepare a preliminary and final construction cost estimates to be used as the Engineer's Estimate for the project bidding and grant funding.
19. Provide bid assistance services to the City. This includes attending a Pre-Bid conference, responding to contractors' questions, preparing addenda as needed and tabulating bid results during the bidding process.

The geotechnical work for this project will be subcontracted to Professional Service Industries, Inc. (PSI). The environmental work for this project will be subcontracted to HzW Environmental Consultants, LLC (HzW).

Construction plans and specifications will be prepared in accordance with the City of Parma and Cuyahoga County requirements. Construction details will conform to City of Parma and Cuyahoga County standard details. General notes, technical specifications and the bid form/quantity tabulation will be prepared by Osborn.



Services that are not a part of our scope of work include the following:

1. Construction materials testing.
2. Phase 1 Environmental Assessment if necessary based upon the ESA. This service can be provided for an additional fee.
3. Construction Administration service including full time construction inspection. This service can be provided under a separate proposal at the time of construction.
4. Construction stakeout or an as-built field survey. These services can also be provided for an additional fee.

**Price Proposal: Chevy Basin Storm and Sanitary Sewer Improvements**

**Base Scope Fee**

Task 1: Topographic Survey	\$8,800 <sup>00</sup>
Task 2: Geotechnical Investigation	\$6,000 <sup>00</sup>
Task 3: Environmental Assessment	\$3,000 <sup>00</sup>
Task 4: Preliminary Engineering	\$13,500 <sup>00</sup>
Task 5: Final Engineering	\$27,500 <sup>00</sup>
Task 6: PTI Submittal/Permitting*	\$7,900 <sup>00</sup>
<u>Task 7: Bidding Assistance</u>	<u>\$2,000<sup>00</sup></u>
Total Base Scope Fee	\$68,700 <sup>00</sup>

\* Includes OEPA PTI & NOI fees

**Additional Service (If Authorized)**

Easement Acquisition	\$2,000 <sup>00</sup>
Roadway Resurfacing – Full Width	\$10,000 <sup>00</sup>
<u>Design Contingency</u>	<u>\$8,000<sup>00</sup></u>
Total Additional Service Fee	\$20,000 <sup>00</sup>

The fee for the above stated scope of services is \$68,700<sup>00</sup> for the base scope including normal reimbursable expenses and \$20,000<sup>00</sup> for the additional services if authorized by the City for a grand total of \$88,700<sup>00</sup>. We will invoice monthly based on the percent of work completed to date. We anticipate the completion of the design services including approval and review times will take approximately six (6) months from the Notice to Proceed. Additional services will be approved in writing prior to beginning any work and will be billed based upon the labor rate schedule in Attachment A.



We are very excited at the prospect of working on this project, and we stand ready to support your goals and objectives. If you have any questions or require any additional information, please do not hesitate to contact me or Scott Vura at (216) 861-2020.

Please feel free to call if any revisions or clarifications are required. Again, we appreciate this opportunity and are prepared to start work upon your authorization.

Respectfully Submitted,  
**OSBORN ENGINEERING**  
Scott A. Vura, P.E., LEED AP

Joseph K. Ferenczy, P.E.

Manager of Civil Engineering

cc: S. A. Vura  
ec: J. Stull  
J. Ferenczy  
File



## Attachment A

### OSBORN BILLING RATE SCHEDULE

January 1, 2015 through December 31, 2015

<u>Classification</u>	<u>Rate</u>
Principal / Director -----	\$201.00 per hour
Senior Project Manager -----	\$180.00 per hour
Project Manager-----	\$165.00 per hour
Architect 1, Engineer 1 -----	\$143.00 per hour
Architect 2, Engineer 2 -----	\$136.00 per hour
Architect 3, Engineer 3, Technician 1 -----	\$115.00 per hour
Architect 4, Engineer 4, Technician 2 -----	\$101.00 per hour
Architect 5, Engineer 5, Technician 3 -----	\$93.00 per hour
Architect 6, Engineer 6-----	\$89.00 per hour
Technician 4, Intern -----	\$73.00 per hour

Overtime authorized by the Client will be billed at 1.5 times the above rates for Non-Exempt Personnel and at 1.0 times for Exempt Personnel.

### Reimbursable Expenses

<u>Item</u>	<u>Rate</u>
Automobile Mileage at IRS Standard Mileage Rate (Current Rate Shown) -----	57.5 cents per mile
All Other Out-of -Town Travel Expenses -----	1.1 Times Actual Cost
Consultants and Testing Companies -----	1.1 Times Actual Cost
Outside Reproduction -----	1.1 Times Actual Cost
In-house Reproduction	
8 ½ x 11 Black line Photo copies -----	\$ .10 per page
8 ½ x 11 Color Photo copies -----	\$.40 per page
11 x 17 Color Photo copies -----	\$.80 per page
Drawing Prints on Bond -----	\$.25 per S.F.
Drawing Prints on Translucent Bond -----	\$.30 per S.F.
Drawing Prints on Mylar -----	\$.70 per S.F.
Large Format Color Drawings on Bond-----	\$4.00 per S.F.
Shipping Charges and Photographs -----	1.1 Times Actual Cost
Postal Charges -----	At cost