Joshua Hays

From:	Joshua Hays
Sent:	Tuesday, April 16, 2024 8:59 PM
То:	Courtney Hornsby; Staci Albritton Mitchell
Cc:	Kevin Crosby; Joshua Hays
Subject:	RE: 2024 Louisiana State Appropriations Request
Attachments:	2024 Louisiana State Appropriations Request.pdf; LA State Appropriations Request -
	Downtown Utilities Hardening 2024.docx

All:

Please see the attached PDF for the revised State Appropriations Request. I edited the language of the word document incorporating the City's comments we reviewed today. I also attached a word doc for use of needed.

Thanks,

Joshua D. Hays, P.E., M.S.C.E.

Lazenby & Associates, Inc. 2000 North 7th Street West Monroe, LA 71291 Phone: (318) 387-2710 Cell: (318) 237-1217 Email: jhays@lazenbyengr.com

From: Joshua Hays <JHays@LAZENBYENGR.COM> Sent: Wednesday, April 10, 2024 6:52 PM To: Courtney Hornsby <chornsby@westmonroe.la.gov>; Staci Albritton Mitchell <smitchell@westmonroe.la.gov> Cc: Kevin Crosby <KCrosby@LAZENBYENGR.COM>; Joshua Hays <JHays@LAZENBYENGR.COM> Subject: 2024 Louisiana State Appropriations Request

Ladies:

Please see the attached PDF for the State Appropriations Request. We believe we have gotten this clear enough & summarized enough to achieve the following:

- Complete subsurface utility exploration of the downtown area along the corridors of Trenton Street, Cotton Street, and Commerce Street with segments of Pine Street & Wood Street (see attached corridor map as well)
- Complete topographic survey of the downtown area along the corridors of Trenton Street, Cotton Street, and Commerce Street with segments of Pine Street & Wood Street with utilities tied in reference to boundary information & right of way.
- Preliminary Civil & Electrical Engineering in order to perform:
 - o preliminary sketches of utility corridors
 - \circ grade checks on sewer infrastructure, determine where sewer is & where it needs to be
 - \circ grade checks on drainage infrastructure, determine where drainage is & where it needs to be
 - o identify obvious conflicts up front from a plan view, profile view & grade view
 - propose size & placement of electrical transformers for undergrounding electrical primary service & secondary service

- coordination/planning with Entergy for their long term plan for underground electrical service, important to know how & process in which Entergy can enter the area underground & still serve outside areas with overhead service
- provide deliverables (sketches) that will allow the City to apply for grant funding with a better understanding of long term plans & vision of undergrounding utilities with a corresponding accurate construction cost estimate

Kevin & I both thought it to be a good idea to be clear up front & honest that the engineering described in the appropriation request <u>WILL NOT</u> provide the City with final plans to go to construction or go out for bid. However, we do believe this project is a good step in the right direction for ultimately achieving that and for use as an informative tool in applying for grant funding in the future whether that be for sections of the downtown area or encompassing all of the corridors listed.

Please let us know if any changes are necessary.

Thanks,

Joshua D. Hays, P.E., M.S.C.E.

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2024 Louisiana State Appropriations Request



Downtown Utilities Hardening & Improvements – Surveying & Engineering

Project Outcome:

The proposed project will allow the City of West Monroe to complete utility exploration, surveying & mapping of underground and overhead utilities in the downtown area as part of a larger project to place utilities underground to make infrastructure more resilient, upgrade water & sewer capacity to meet increased demand, and improve urban planning, and enhance economic development.

Project Description:

The City of West Monroe celebrated 140 years in 2023. The age of the downtown area creates a challenge in lacking knowledge of the location and size of all utilities in this area. This can hinder effective urban planning, infrastructure maintenance, and future development initiatives. To address this issue, the City proposes conducting a comprehensive survey of all utilities in the downtown area along the corridors of Trenton Street, Cotton Street, and Commerce Street. In addition, preliminary Civil & Electrical Engineering will include preliminary sketches of utility corridors, grade checks on sewer infrastructure, grade checks on drainage infrastructure, propose size & placement of electrical transformers, coordination/planning with Entergy for their long term plan for underground electrical service, and provide deliverables that will allow the City to apply for grant funding with a better understanding of long term plans & vision of undergrounding utilities with a corresponding accurate construction cost estimate. Benefits of the project include enabling departments such as Public Works, GIS (Geographic Information Systems), and Engineering to update their records and develop maintenance & capacity plans including the larger overall plan to relocate underground utilities in their respective corridor and relocate overhead utilities underground. These benefits will greatly assist Public Works in achieving the lead pipe reduction rule for water systems mandated by the EPA. The overall utility

relocation project will transform the downtown area by enhancing the aesthetic quality of the streetscape, promote economic growth, improving service to residents & businesses, improve safety between vehicles & pedestrians, and ensure sustainable urban development.

Cost Estimates:

Total	\$250,000
Preliminary Engineering	\$105,000
Topographic Survey	\$65,000
Sub-Surface Utility Exploration	\$80,000

Total Appropriations Request \$250,000



