



To: President and Members of the Munster Town Council
From: Dustin Anderson, Town Manager
Date: February 4, 2019
Re: 45th Grade Separation Construction Engineering Consultant

Background

At the February 4th meeting, Council identified DLZ Corporation as the preferred construction engineering and inspection firm and directed staff to begin the process of negotiating the terms and conditions of the contract.

Methodology

The final project team will consist of four firms with DLZ acting as prime consultant. The other firms involved will be Jacobs Engineering, Beam Longest and Neff, McCormick Engineering, and AES.

The breakdown of their respective responsibilities and areas of expertise are included in the table below. This team meets the State’s 7% DBE goal as well as providing a deep bench that has extensive multi-disciplined experience and relationships with the Canadian National Railroad and INDOT.

DLZ	Overall project management of on-site inspection team; assist in change order negotiation; as well as point of contact for contractor, INDOT, and Town
Jacobs	Railroad inspection and coordination, force account labor review and appeal
BLN	Road, storm sewer, and retaining wall inspection; other inspections as needed
McCormick	Road and storm sewer inspections; other inspections as needed
AES	Road, storm sewer, and retaining wall inspection; other inspections as needed

The following table identifies in detail the respective fees and costs for each respective firm. It should be noted that materials testing costs are projected based on the size of the project. As such, this figure could end up being greater than or less than its current projection.

Labor		
	DLZ Labor	\$1,669,035.00
	Material Testing	\$300,000.00
	Jacobs	\$421,400.00
	BLN	\$168,500.00
	McCormick	\$98,700.00
	AES	\$97,150.00
	Total Labor	\$2,754,785.00
Vehicle		
	Randell	\$33,900.00
	Material Testing	\$12,000.00
	Jacobs	\$8,580.00
	Total Vehicle	\$54,480.00
	Total Cost (rounded)	\$2,809,270.00

Typically, construction engineering and inspection services are a pay-item that is included in the total 80/20 project cost that is administered by INDOT. Construction engineering and inspection service costs are capped by INDOT at 12% of the cost of construction. In our case, that would translate to a cost of \$4.5 million. However, this is not a typical project – in both magnitude, funding sources, and cost share proportions.

The Town does not have a standard 80/20 funding match with the State for this project. Indeed, we are shouldering nearly 50% of the costs with locally-identified funds. The State funds that are in play are by agreement to be spent last. That means for construction purposes, any cost savings benefit the State – not Munster.

By taking this pay-item and carving it out of the total project, Munster has avoided \$1.2 million in expenses it otherwise would have been responsible for.

Attached for review is the complete contract with individual consultant rates and projected project hours.

There are two unique add/alternate services that DLZ offers for Council to consider with this contract. The first is the possibility of drone flights. Flights could be scheduled on a monthly, or as requested, basis. The cost of a drone flight would be \$300.00 per flight and would include all work associated with completing the field work of flying the site and office work to process collected data. The other option is the installation of a time lapse camera. DLZ could via subcontractor install and operate a “SiteHawk” time lapse construction camera to collect photos of the project site throughout the duration of the project. A quote from SiteHawk would need to be obtained for this added service, but based on prior information, the estimated cost for this service will be approximately \$30,000.00.

The ability to capture and share a time-lapse recording of the construction of this project would be of great interest to the community and broader Region.

Recommendation: By motion and voice vote agree to sign the contract with DLZ as our preferred Consultant.

- AND OPTIONALLY -

By motion and voice vote authorize DLZ to obtain a quote for the installation and operation of a job site time-lapse camera.