

SOURCE JUSTIFICATION FORM

Bureau of Procurement

The objective of this form is to capture all relevant documentation an Agency may have to assist the Department of General Services ("DGS"), Bureau of Procurement, in expediting the source justification review process. This form must be completed electronically, signed, and submitted with all relevant documentation to DGS. If a question is neither mandatory nor applicable, please indicate "N/A". Please use standard terminology and define acronyms.

SECTION A

1. Agency Name:

Department of Transportation

2. Procurement Description:

This description will appear on the eMarketplace website for public viewing

Per federal regulations (23 CFR 650 Subpart C), an accurate and timely list of state-owned and locally-owned scour critical bridges that require post flood inspections must be provided to the Districts after flood events. Having the post flood scour critical bridge inspection list promptly allows the bridges to be inspected quickly, thereby, enhancing public safety. BridgeWatch, a commercial web-based software developed by USEngineering Solutions, was specifically designed to determine which bridges require inspection after a flood event based on exceeding precipitation and/or stream gauge flow thresholds.

Materials Description:

Services Description:

3. Materials Shopping Cart # or Services SPR#

Estimated Cost: \$500,001 - \$1M

Initial Contract Term: 5 Years

Renewals: N/A

4. Supplier - Name:

US Engineering Services

Full Address:

USEngineering Solutions 3 Lewis Street Hartford, CT 06103

Contact Name:

Joseph Scannell

Telephone:

860-524-9110

FAX:

E-mail:

jscannell@usengineeringsolutions.com

SRM Supplier #:

N/A

5. Delivery or service location:

400 North St.Harrisburg,PA 17120

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SECTION B

- ☒ **1. Sole Source:** Only known source - Not available from another supplier.
- ☐ **2. Material/Repair/Maintenance:** Material or service MUST be compatible with existing equipment. Documentation must be provided from the manufacturer.
- ☐ **3. Used Equipment:** Value set by 2 independent 3rd party appraisals.
- ☐ **4. Professional Expert:** Describe in detail in Section C.
- ☐ **5. Exempt (Law):** A federal or state statute or regulation exempts the procurement from the competitive procedure. Any applicable information precluding the procurement from competitive procedures must be attached.
- ☐ **6. Feasibility:** Clearly not feasible to award the contract on a competitive basis.

SECTION C

1. Describe the unique features of this procurement that prohibit a competitive environment. If applicable, attach a Statement of Work ("SOW").

Only known source of this software. BridgeWatch, a commercial web-based software developed by USEngineering Solutions, was specifically designed to determine which bridges require inspection after a flood event based on exceeding precipitation and/or stream gage flow thresholds. Bridge Watch is a robust software utilizing real time data layers of multiple parameters (triggers), such as rainfall, stream gauges, snowmelt and soil moisture. The web-based application is continuously analyzing and comparing these data layers to individual triggers established for bridges. When a trigger is exceeded, Bridge Watch will issue an alert. Alerts can be received in several different modes depending on the user's preference. Since it is web-based, Central Office and District staff can access Bridge Watch through a secure connection from any computer connected to the internet. In other words, Bridge Watch can provide an accurate and timely list of scour critical bridges that require post flood bridge inspections.

2. Document and attach the research that has been conducted to date to verify the supplier is the only known source.

See attached. Web research of various software sources; National Instruments, Campbell Scientific, Smart-Tec, Digitexx Bridge Monitoring Systems, and DataQ Instruments all require cost prohibitive and impractical sensors or weather stations to be installed on all statewide SCOUR bridges.

3. Does the supplier utilize distributors, dealers, resellers, etc.? If "Yes," please identify.

No

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4. Are there compatibility requirements or compliance requirements with a warranty or service agreement? If "Yes," please explain.

No, the BridgeWatch software was successfully pilot tested from 12/1/2013 to 8/31/2014 under PO#4300390816 for BPD, Highway Delivery Division.

5. How has the material or service been procured in the past? Please provide previous source justifications, contracts, & PO's for this material or service.

We did a pilot test of the software with the BPD, Highway Delivery Division. PO#4300390816 is attached.

6. If procured through the IT ITQ process, please provide original \$ amount and contract period of order. Is this the final phase of the project?

N/A

7. If this is an upgrade, addition, alteration, etc., to an earlier procurement, please describe in detail.

The software was originally piloted in one PennDOT District Office BPD, Highway Delivery Division. Since the pilot was successful, this procurement is to implement the software statewide.

8. What are the consequences of not approving this procurement?

PennDOT would not be permitted to implement statewide software that was successfully piloted in one District Office. SCOUR bridges are susceptible to erosion and failure after high velocity storm events. Continuous monitoring is vital to maintain bridge integrity.

9. If timing is a factor, what is the time factor and why?

Current GIS tool has exceeded its serviceable and forecast planning and needs to be replaced as soon as possible with a cost effective software package.

10. List any other information relevant to the acquisition of this procurement here or as an attachment.

See attached Statement of Work.

11. For requests > \$100,000, has the supplier signed cost or pricing data certification and is the pricing breakdown attached?

Yes, Cost or Pricing Data Certification is attached. A onetime implementation fee of \$80,000 is included. A \$120,000 charge is a yearly monitoring fee to have Bridge Watch software continually monitor bridge structure thresholds against the precipitation amounts and send alerts to PennDOT when thresholds are exceeded and inspections are required. A yearly licensing and support fee of \$30,000 is also included. Total cost for the initial contract term of 5 years is \$830,500 which includes \$500 for three additional optional services each with an hourly rate. Actual usage estimates cannot be established at this time.

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SECTION D

IMPORTANT*: The printed names on this form shall constitute the signatures of these individuals. Agencies must insure that these individuals review the completed form and give their consent to apply their printed name on this form. No handwritten signatures shall be required in order for the form to be considered "signed" by those individuals whose names appear in the signature section of the form.

Shopping Cart Contact Person (Person whom DGS will contact regarding the Shopping Cart):

| | | | | | |
|---------------|-----------------------|-------------------|---------|--------------|----------|
| Name: | Debra Long | P-Group: | PennDOT | Date: | 04-27-15 |
| Title: | Purchasing Supervisor | Telephone: | | Fax: | |

Agency Contact Person: Person in your agency that DGS can contact for additional information, etc.

| | | | | | |
|-------------------|-----------------|---------------|---------------------------|---------------|------------------|
| Name: | Deborah Reihart | Title: | Chief- Systems Management | Date: | 04-27-15 |
| Telephone: | | Fax: | | Email: | dereihart@pa.gov |

Approving Authority (Agency Head or Deputy reviewing and approving this request): Approving Authority connotes approval of the source justification and the cost or pricing data certification.

| | | | | | |
|-------------------|------------------|---------------|------------------------------------|--------------|----------|
| Name: | Diane Chamberlin | Title: | Director, Bureau of Office Service | Date: | 10-24-12 |
| Telephone: | | Fax: | | | |

Additional Approvals (if required by Agency):

| | | | | | |
|-------------------|----------------|---------------|---------------------------------|---------------|-----------------------|
| Name: | Scott Christie | Title: | Deputy Secretary for Highway Ad | Date: | 02/17/2011 |
| Telephone: | | Fax: | | Email: | rchristie@state.pa.us |
| Name: | Scott Christie | Title: | Deputy Secretary for Highway Ad | Date: | 02/17/2011 |
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