



Date: October 3, 2017

To: Mr. Horacio Danovich  
City of Pompano Beach  
100 West Atlantic Boulevard, Room 276  
Pompano Beach, Florida 33060

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**Work Authorization No. 8 in the amount of \$45,965 for environmental engineering services for pursuant to the Contract for Consulting/Professional Services between the City of Pompano Beach and E Sciences, Inc approved by Ordinance 2016-28 (the “Contract”), a copy of which is incorporated by reference as if set forth in full.**

E Sciences, Incorporated (E Sciences) is pleased to submit this proposal to provide compliance support services to the City of Pompano Beach for the United States Department of Transportation (USDOT) Transportation Investment Generating Economic Recovery (TIGER) program for potential roadway improvement along a portion of North Dixie Highway extending from McNab Road to Atlantic Boulevard in Pompano Beach, Florida. Included, and incorporated as part of this proposal, is an outline of the project information and background, the proposed scope of services, fee, schedule, and authorization procedures.

### **Background Information**

We understand that the City is seeking funding under the USDOT’s TIGER grant program. This program provides funding to projects that will have a significant impact on a community, such as Pompano Beach. We understand that the grant funds, if awarded, will be used for a roadway improvement project planned for South Dixie Highway, from McNab Road to Atlantic Boulevard.

Funded projects require the completion of National Environmental Policy Act (“NEPA”) analysis. This proposal is being submitted in response to a request from Mr. Horacio Danovich with the City on September 13, 2017. We have conducted a limited screening of the corridor using the Florida Department of Transportation’s Efficient Transportation Decision Making (ETDM) Environmental Screening Tool (EST). Based upon the results of this, we anticipate that the level of documentation required will be a categorical exclusion and that a cultural resources assessment may be required.

## **Proposed Scope of Services**

### Task 1: Categorical Exclusion Checklist and Documentation

E Sciences proposes to perform an analysis of environmental impacts of the project to prepare a categorical exclusion checklist for the proposed improvements, and inform you if additional items are needed to supplement the checklist (permits, noise study, agency correspondence, groundwater/soil contamination testing) to satisfy USDOT NEPA requirements. E Sciences will provide the City with the checklist and a memorandum that documents the results of the NEPA review.

The City will provide E Sciences with the project purpose and need, project description and any design documents that may have been prepared. It would be helpful if conceptual or preliminary 30% plans can be provided to us to perform the evaluation.

In general, the potential involvement with the items included on the checklist will be evaluated by performing a combination of desktop analysis and field review. Environmental and social impacts to be evaluated include the following:

- SOCIAL/ECONOMIC
  - Social
  - Economic
  - Land Use Changes
  - Mobility
  - Aesthetic Effects
  - Relocation Potential
  - Farmland
- CULTURAL
  - Historic Sites/Districts
  - Archaeological Sites
  - Recreational Areas
- NATURAL
  - Wetlands and Other Surface Waters
  - Aquatic Preserves and Outstanding FL Waters
  - Water Quality
  - Wild and Scenic Rivers
  - Floodplains
  - Coastal Zone Consistency
  - Coastal Barrier Resources
  - Protected Species and Habitat

- Essential Fish Habitat
- PHYSICAL
  - Noise
  - Air Quality
  - Contamination
  - Railroads
  - Construction
  - Bicycles and Pedestrians
  - Navigation

Based upon our preliminary review, one area of potential concern identified was the project's proximity and potential effect on possible historic resources. Therefore, we have included contingency tasks for performing a cultural resources survey. We will notify you if additional studies are required as a result of the NEPA review.

#### Task 2: Cultural Resources Assessment Survey

E Sciences will engage Janus Research (Janus) as a subconsultant to complete a Cultural Resources Assessment Survey (CRAS) for this project. The completion of the CRAS will require a field visit, and review of pertinent records, maps and aerial photographs, to determine if previously recorded archaeological or historical sites are present on the project corridor. Janus will complete a cultural resource assessment survey report in the project's Area of Potential Effect that will be conveyed to appropriate agencies including the State Historic Preservation Office (SHPO). If significant historic properties are identified, Janus and E Sciences will assist the City to coordinate with SHPO to avoid or minimize project effects to these resources.

#### Task 3: Meetings and Agency Coordination

E Sciences has included time for our staff to attend up to four meetings as directed by the City.

While not included in this scope, E Sciences can provide assistance with community and public outreach and involvement if needed and requested by the City under a separate scope and fee.

#### **Fees**

We propose performing the above scope of services for a fee of \$45,695.00. We have attached a copy of a spreadsheet that shows a breakdown of the costs associated with the project.

If additional documentation will be required (permits, noise study, agency correspondence, groundwater/soil contamination testing, Section 4(f) Determination of Applicability) beyond the scope of services described herein, E Sciences will notify you of additional costs necessary to complete the project, prior to proceeding. Services beyond those described herein would be invoiced in accordance with our agreed schedule of fees at the applicable rates.

### **Schedule**

Upon receipt of authorization and the plans, E Sciences can commence work within five business days. Within four weeks, E Sciences can inform you if additional documentation will be required (e.g. noise study, groundwater/soil contamination testing). If additional scope of work is not required, we anticipate providing you with the draft memorandum, the checklist and associated documentation within three months and the CRAS would require six months.

### **Authorization**

If this proposal meets with your approval, please provide us with written authorization to proceed in accordance with our Continuing Contract for Environmental Testing and Consulting Services with the City (RLI No. E33-15).

We appreciate the opportunity to offer our professional services on this project. If you have any questions concerning this proposal, please contact us at 954-484-8500.

Sincerely,

### **E SCIENCES, INCORPORATED**



Maria Paituvi, P.E.  
Senior Engineer



Nadia Locke, P.E.  
Associate

Attachment: Cost Estimating Spreadsheet



**Project Name:** Dixie Highway TIGER Grant NEPA Support  
**Client:** City of Pompano Beach  
**Site:** Dixie Highway  
**Location:** Pompano Beach  
**Proposal Number:** 2-0964-P09

	TASK 1- Environmental Analysis and Checklist, Memo				CRAS		Four Meetings, coordination with agency		TOTALS	
	Rate	Hrs	Amount	Hrs	Amount	Hrs	Amount	Hrs	Amount	
<b>LABOR</b>										
Principal	\$190	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Chief Eng. / Director / Associate	\$190	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Senior Professional II	\$175	4	\$ 700.00	2	\$ 350.00	8	\$ 1,400.00	14	\$ 2,450.00	
Senior Professional I	\$145	20	\$ 2,900.00	4	\$ 580.00	18	\$ 2,610.00	42	\$ 6,090.00	
Project Professional II	\$120	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Project Professional I	\$110	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Staff Professional II	\$95	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Staff Professional I	\$85	40	\$ 3,400.00	0	\$ -	4	\$ 340.00	44	\$ 3,740.00	
Technician II	\$75	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Technician I	\$65	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Senior GIS Analyst	\$110	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
CADD/GIS	\$80	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
Admin Asst / Clerical	\$50	2	\$ 100.00	2	\$ 100.00	4	\$ 200.00	8	\$ 400.00	
<b>TOTAL LABOR</b>			<b>\$ 7,100.00</b>	<b>8</b>	<b>\$ 1,030.00</b>	<b>34</b>	<b>\$ 4,550.00</b>	<b>108</b>	<b>\$ 12,680.00</b>	
<b>SUBCONTRACTORS</b>	<b>Price</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	
Janus Research	\$30,000.00	0	\$ -	1	\$ 33,000.00	0	\$ -	1	\$ 33,000.00	
		0	\$ -	0	\$ -	0	\$ -	0	\$ -	
<b>TOTAL SUBCONTRACTORS + Mark up</b>	<b>10%</b>		<b>\$ -</b>	<b>1</b>	<b>\$ 33,000.00</b>	<b>0</b>	<b>\$ -</b>	<b>1</b>	<b>\$ 33,000.00</b>	
<b>OTHER DIRECT COSTS (ODC)</b>	<b>Price</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	
	0	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
	0	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
<b>TOTAL OTHER DIRECT COSTS (ODC) + Mark up</b>	<b>15%</b>		<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	
<b>FIXED COSTS (In House Direct Expenses)</b>	<b>Price</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	<b>Units</b>	<b>Amount</b>	
MILEAGE	\$0.75	20	\$ 15.00	0	\$ -	0	\$ -	20	\$ 15.00	
COPIES	\$0.15	0	\$ -	0	\$ -	0	\$ -	0	\$ -	
<b>TOTAL FIXED COSTS</b>			<b>\$ 15.00</b>	<b>0</b>	<b>\$ -</b>	<b>0</b>	<b>\$ -</b>	<b>20</b>	<b>\$ 15.00</b>	
<b>TOTAL LABOR</b>			<b>\$ 7,100.00</b>		<b>\$ 1,030.00</b>		<b>\$ 4,550.00</b>		<b>\$ 12,680.00</b>	
<b>TOTAL SUBCONTRACTORS</b>			<b>\$ -</b>		<b>\$ 33,000.00</b>		<b>\$ -</b>		<b>\$ 33,000.00</b>	
<b>TOTAL ODC</b>			<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ -</b>	
<b>TOTAL FIXED COSTS</b>			<b>\$ 15.00</b>		<b>\$ -</b>		<b>\$ -</b>		<b>\$ 15.00</b>	
<b>TOTAL LABOR AND EXPENSES</b>			<b>\$ 7,115.00</b>		<b>\$ 34,030.00</b>		<b>\$ 4,550.00</b>		<b>\$ 45,695.00</b>	