



February 26, 2014

The Honorable Joe Flores  
Hidalgo County Precinct No. 3  
724 N. Breyfogle  
Mission, Texas 78572

**RE: Subcontracting Notice for Mile 3 Project  
Contract No. 13-305-10-07**

Dear Commissioner Flores:

We would like to inform you of the subcontractor that we will be using on the Mile 3 North Project (from FM 2221 to FM 492) project. Please coordinate with your Purchasing Department for Commissioner's Court approval of this notification. This subcontractor will be providing Archeological and Historical Survey Reports (see attached proposal) for this project.

**Subcontractor:**

*Archeological & Historical Services:*

*Ms. Jill Madden*

*AmaTerra Environmental Inc.*

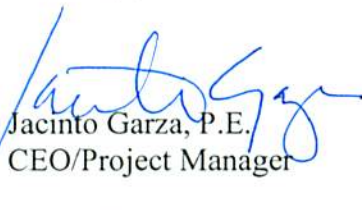
*4009 Banister Lane, Ste. 300*

*Austin, Texas 78704*

*Phone (512)-329-0031*

Should you have any questions, please feel free to give me a call at 956-565-9813.

Sincerely,



Jacinto Garza, P.E.  
CEO/Project Manager

cc: Hidalgo County Auditor's Office



**Task 1: Project Coordination Request, Archeological Background Study Report, and NEPA Text**

- A) AmaTerra shall prepare a Non-Archeological Historic Resources Project Coordination Request (October 2009 version) for review and comment by TxDOT-ENV.
- B) AmaTerra will review the existing files held by the Texas Archeological Research Laboratory (TARL) and the Texas Historical Commission (THC) to determine if any previously recorded sites or archeological surveys occur within or near the proposed project area. The location of any previously recorded sites and surveys will be plotted onto USGS 7.5-minute topographic maps for use in the compliance coordination process. Archeologists will also consult the USDA NRCS soil survey maps for Hidalgo County, relevant aerial photography, historical maps, land use maps, and the Geologic Atlas of Texas in order to assess the likelihood for unrecorded archeological resources and make recommendations regarding the need for further field surveys. The results of this effort will be integrated into a background study report that conforms to TxDOT's *Standards of Uniformity (SOUs) for Archeological Background Studies* for review and comment by TxDOT-ENV.
- C) AmaTerra shall provide Client with language for the Cultural Resources section of the draft NEPA document.

**Task 2: Historic Resources Research Design, Field Investigation, and Survey Report**

- A) AmaTerra shall prepare a research design for review and comment by TxDOT-ENV. The research design shall conform to TxDOT *SOU: Non-Archeological Historic-Age Resource Research Designs Review Checklist* (October 2009 version).
- B) AmaTerra shall perform a reconnaissance survey conforming to the methodology outlined in Appendix B of the *Draft CRM Guide for Accurately Identifying Non-Archeological Cultural Resources* (Texas Department of Transportation, April 2006). The survey shall document each historic-age resource (defined by TxDOT as a building, structure, object, historic district or non-archeological site at least 45 years old at the time of letting) within the Study Area. The Study Area shall consist of the Area of Potential Effects (APE) plus all parcels that are wholly or partially within the APE.
- C) AmaTerra shall provide a report detailing the results and findings of the reconnaissance survey including effects to historic properties and the need, if any, to conduct intensive survey efforts. The report shall have sufficient detail and clarity to provide THC with the basis for making determinations of National Register of Historic Places (NRHP) eligibility or shall have sufficient detail and clarity to make recommendations concerning the scope of the intensive survey. The report shall conform to the TxDOT *Standards of Uniformity for Non-Archeological Historic-Age Resource Reconnaissance Survey Reports Review Checklist* (October 2013 version).

**Cultural Resource Investigations  
Mile 3: From FM 492 to FM 2221  
Hidalgo County, Texas**

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**Task 3: Archeological Field Survey and Survey Report**

Should an archeological survey be warranted, AmaTerra will develop an application for a Texas Antiquities Permit and submit it to TxDOT-ENV for review and processing. Upon issuance of the permit, AmaTerra will conduct a field survey. AmaTerra will deploy a team of archeologists to conduct a pedestrian survey including shovel testing along the entire length of the proposed APE. AmaTerra will follow the THC requirement of 16 shovel tests per mile per transect. However, based on a preliminary review of aerial photography, approximately half of the proposed APE has been heavily disturbed from caliche mining, and potential for archeological resources in those areas is very low. AmaTerra assumes that survey in those previously mined areas would not be warranted. Approximately 50-60 shovel tests would be excavated over no more than three miles of the APE. All excavated soil will be screened through ¼ inch mesh and all artifacts will be analyzed in the field and reburied; no artifacts will be collected. Sites (if any are discovered) will be delineated by digging additional manual shovel tests and their locations will be documented by sub-meter GPS. Sites will be recorded on State of Texas archeological data sheets, photographed and sketch mapped. Backhoe trenching is not anticipated as part of this scope of work.

AmaTerra will prepare a professional report documenting the results of the fieldwork. The report will fully document all methods and results of the survey and will offer clear assessments of NRHP/SAL eligibility for all sites. The report will present explicit management recommendations for each site. The draft report will be presented in electronic format to L&G for review and comment and upon approval will be submitted in hard copy for submission to TxDOT. Upon receipt of review comments, AmaTerra will prepare the final report and distribute these in compliance with the terms of the permit.

**SCHEDULE**

To be determined in consultation with Client.

**ASSUMPTIONS AND CONDITIONS**

1. Client will provide one individual to assist AmaTerra with the historic resources field survey.
1. If archeological survey is required following background study, AmaTerra assumes one field mobilization to conduct the work. Repeated field visits necessitated by partial right of entry may be considered supplemental to the currently proposed scope.
2. Backhoe trenching will not be included in the archeological field survey.
3. If TxDOT does not require cultural resources work beyond Task 1, AmaTerra shall only invoice Client for the work listed in the Schedule of Values shown below.

**COMPENSATION**

Client will compensate AmaTerra on a firm fixed price (lump sum) basis in accordance with the Schedule of Values shown below.

Schedule of Values	
Mile 3	
TASK	
1: Historical and Archeological Project Coordination Request/Draft NEPA Text	\$ 4,044.40
2: Historic Resources Research Design, Reconnaissance Survey and Report	\$ 10,870.50
3: Archeological Survey and Report	\$ 18,057.50
<b>TOTAL</b>	<b>\$ 32,972.40</b>

Cost Breakdown: Task 1								
LABOR	Historical PCR	Archeological PCR		Admin	Total	Units	Unit Price	Cost
Principal				2	2	hrs	\$ 216.00	\$ 432.00
Senior Archeologist		4			4	hrs	\$ 128.00	\$ 512.00
Archeologist III					0	hrs	\$ 73.00	\$ -
Archeologist II		12			12	hrs	\$ 61.00	\$ 732.00
Archeologist I					0	hrs	\$ 58.00	\$ -
Historical Architect	4				4	hrs	\$ 133.00	\$ 532.00
Architectural Historian					0	hrs	\$ 96.00	\$ -
Historian	12				12	hrs	\$ 82.00	\$ 984.00
GIS Specialist	4	4			8	hrs	\$ 80.00	\$ 640.00
Administrative Asst				2	2	hrs	\$ 88.00	\$ 176.00
<b>TOTAL LABOR</b>								<b>\$ 4,008.00</b>
EXPENSES	Historical PCR	Archeological Background		Admin	Total	Units	Unit Price	Cost
Copies, b/w	20	20		24	64	each	\$ 0.10	\$ 6.40
Copies, color	10	20			30	each	\$ 1.00	\$ 30.00
<b>TOTAL EXPENSES</b>								<b>\$ 36.40</b>
<b>TOTAL TASK 1</b>								<b>\$ 4,044.40</b>

Cost Breakdown: Task 2								
LABOR	Research Design	Field Survey	Survey Report	Admin	Total	Units	Unit Price	Cost
Principal				1	1	hour	\$ 206.00	\$ 206.00
Historical Architect	2		4		6	hour	\$ 124.00	\$ 744.00
Architectural Historian	24	16	32		72	hour	\$ 103.00	\$ 7,416.00
Historian			16		16	hrs	\$ 82.00	\$ 1,312.00
GIS Specialist			4		4	hour	\$ 74.00	\$ 296.00
Administrative Asst				2	2	hour	\$ 80.00	\$ 160.00
<b>TOTAL LABOR</b>								\$ 10,134.00
EXPENSES	Research Design	Field Survey	Survey Report	Admin	Total	Units	Unit Price	Cost
Air fare		1			1	r/t	\$ 320.00	\$ 320.00
Rental car		2			2	day	\$ 70.00	\$ 140.00
Fuel for rental car		10			10	gallon	\$ 3.25	\$ 32.50
Lodging and taxes		1			1	night	\$ 100.00	\$ 100.00
Meal Allowance		2			2	day	\$ 46.00	\$ 92.00
Copies, b/w			100	20	120	each	\$ 0.10	\$ 12.00
Copies, color			40		40	each	\$ 1.00	\$ 40.00
<b>TOTAL EXPENSES</b>								\$ 736.50
<b>TOTAL TASK 2</b>								\$ 10,870.50

Cost Breakdown: Task 3								
LABOR	Permit Application	Field Survey	Draft Report	Final Report	Total	Units	Unit Price	Cost
Principal				3	3	hour	\$ 216.00	\$ 648.00
Senior Archeologist	4	16	12	2	34	hour	\$ 128.00	\$ 4,352.00
Archeologist III					0	hour	\$ 73.00	\$ -
Archeologist II	1	36	36	4	77	hour	\$ 68.00	\$ 5,236.00
Archeologist I	6	36	12		54	hour	\$ 58.00	\$ 3,132.00
GIS Specialist	1		8		9	hour	\$ 80.00	\$ 720.00
Administrative Asst			6	4	10	hour	\$ 88.00	\$ 880.00
<b>TOTAL LABOR</b>								\$ 14,968.00
EXPENSES	Permit Application	Field Survey	Draft Report	Final Report	Total	Units	Unit Price	Cost
Curation				0.25	0.25	drawer	\$ 1,300.00	\$ 325.00
Lodging and taxes		10			10	night	\$ 100.00	\$ 1,000.00
Meal Allowance		12			12	day	\$ 46.00	\$ 552.00
Shipping				1	1	each	\$ 15.00	\$ 15.00
Mileage		1,400			1400	mile	\$ 0.565	\$ 791.00
Copies, b/w	20	50	300	300	670	each	\$ 0.550	\$ 368.50
Copies, color	20	10	150	200	380	each	\$ 0.10	\$ 38.00
<b>TOTAL EXPENSES</b>								\$ 3,089.50
<b>TOTAL TASK 3</b>								\$ 18,057.50
Mileage	Austin-Edinburg		300					
	On-project miles		100					
	Edinburg-Austin		300					
			700 miles					