POZNECKI CAMARILLO INC

5835 Callaghan Rd. Ste 200
San Antonio, TX 78228
Tel (210) 349-3273
Fax (210)349-4395
www.pozcam.com

March 8, 2017

Mr. Paul Barwick
City of Boerne
Special Projects Director

SUBJECT**: 2015 Transportation Alternatives Program – City of Boerne Trail System Expansion**

Mr. Barwick:

With this letter Poznecki-Camarillo, Inc. respectfully submits our proposal for supplemental services for the above referenced project. These services are needed to address changes in the trail alignment and structure types not originally included in the scope of services. PCI proposes to provide the Supplemental services outlined in the attached Scope of Work.

The total supplemental fee proposed for this work is a lump sum of $34,285.00 for Design and Construction Phase Services, as outlined in the attached Fee Summary.

We appreciate the opportunity to assist the City of Boerne on this exciting project.
If you have any questions, please do not hesitate to call me or Crystal Benavides at 210-349-3273.

Sincerely,

POZNECKI-CAMARILLO, INC.

Fernando Camarillo

Fernando Camarillo, P.E. / Vice President

EXHIBIT A

SCOPE OF ENGINEER'S SERVICES

ENGINEER shall provide the following Supplemental Services:

Engineering and Landscape Architecture Services

1. Structural design and construction phase services for pedestrian bridges

Services shall be performed as described in the proposal from Unintech dated 03/07/17, on file with the City of Boerne and incorporated by reference herein.

2. Surveying Services

Services shall be performed as described in the proposal from Matkin Hoover dated 03/08/17, on file with the City of Boerne and incorporated by reference herein.

3. Geotechnical Services

ENGINEER will obtain four additional borings for design of drilled shaft foundations for the pedestrian bridges. *Geotechnical Services will be as described in the proposal from Arias and Associates dated 01/12/17 (Re-revised 3/7/2017), on file with the City of Boerne and incorporated by reference herein.*

EXHIBIT C - LUMP SUM
Fee Schedule Summary

PRIME PROVIDER: Poznecki-Camarillo, Inc.
PROJECT NAME: Boerne Trail System Expansion
LIMITS: Boerne Trails South between City Park Road and trail to Subdivision
Boerne Trails North between Old No. 9 Greenway and Heath Library Campus

SUPPLEMENTAL SERVICES

Task	PCI	Terra Design Group	HM-3	Unintech	J&L	Matkin Hoover	Arias & Assoc	SWCA	Ama Terra	TOTAL
1 - General Requirements										$ -
2 - Engineering and Landscape Architecture				19,600						$ 19,600.00
3 - Surveying						2,820				$ 2,820.00
4 - Geotechnical							6,825			$ 6,825.00
5 - Environmental and PI										$ -
Subtotal (Design Supplemental)	0	0	0	19,600	0	2,820	6,825	0	0	$ 29,245.00
6 - Bid Phase Services										$ -
7 - Construction Phase Services				5,040						$ 5,040.00
Subtotal (Construction Supplemental)	0	0	0	5,040	0	0	0	0	0	$ 5,040.00
TOTAL SUPPLEMENTAL LUMP SUM FEE	**0**	**0**	**0**	**24,640**	**0**	**2,820**	**6,825**	**0**	**0**	**$ 34,285.00**

PROJECT TOTALS										
Subtotal (Original Contract)	191,249	95,400	1,500	15,040	5,750	17,000	2,975	8,645	13,986	$ 351,545.00
Project Totals - LABOR	191,249	95,400	1,500	39,680	5,750	19,820	9,800	8,645	13,986	$ 385,830.00
Optional Services Allowance	4,728				3,000					$ 7,728.00
Optional Services Allowance (Original Contract)									$	7,728.00
Direct Expenses (Original Contract)									$	5,055.00
Project Amended Grand Total (Original Contract Plus Supplemental)									$	398,613.00

UNINTECH CONSULTING ENGINEERS, INC.
STRUCTURAL CIVIL SURVEYING

March 7, 2017

Crystal Benavides, P.E.
Poznecki-Camarillo, Inc.
5835 Callaghan Rd. #200
San Antonio, Texas 78228

RE: **Supplemental Scope and Fee Proposal #1 for Services**
Boerne Trails System Expansion
One two span Pedestrian Bridge at Boerne Trails South over Browns Creek and
Two single span Pedestrian Bridges at Boerne Trails South at wetland areas

Dear Mrs. Benavides:

Unintech Consulting Engineers, Inc. (**UNINTECH**) is pleased to submit our Supplemental Scope and Fee Proposal #1 for the above referenced Pedestrian Bridges of Boerne Trails System Expansion project, which includes ***50%, 90% and Final submittals and sealed package***.

The supplement scope of our work includes:

1. Pedestrian bridge design including foundation design, validation and verification of bridge calculations provided by bridge manufacturer and preparing of a special specifications for prefabricated bridge.
2. Bid phase service.
3. Construction phase service including reviewing shop drawings and maximum 4 field trips. Extra field trips will be charged by hours.

Based on the above additional engineering service, an additional fee of **$24,640** is required beyond the original of fee of **$15,040** (Proposal dated January 16, 2017), which comes total fee of **$39,680.** The break-down of lump sum fee of this supplemental are as follow:

- **Bridge over Browns Creek: $14,320**
- **Bridge #1 at wetland: $5,160**
- **Bridge #2 at wetland: $5,160**

Please see attached for the proposed fee break-down.

Unintech Consulting Engineers, Inc. appreciates the opportunity to submit this information to you and we look forward to working with you on the development of this project.

If you have any questions or require additional information, please feel free to contact us.

Sincerely,

Clifford Hew, P.E. Chief of Engineering

2431 East Evans Road, San Antonio, TX 78249
p: 210.641.6003 f:210.641.8279 www.unintech.com

PRIME PROVIDER NAME: POZNECKI-CAMARILLO, INC.
PROJECT NAME: Boerne Trail System Expansion
COUNTY: KENDALL
LIMITS: Boerne Trails South between City Park Road and trail to Subdivision, Boerne Trails North between Old No. 9 Greenway and Heath Library Campus

BASIC SERVICES TASK DESCRIPTION	Senior Project Manager	Senior Engineer	Project Engineer	Engineer-in-Training	Senior CADD Operator	RPLS - Project Manager	RPLS - Task Leader	Senior Survey Tech	3-Person Survey Crew	Admin/ Clerical	Total Labor Hrs	Task Cost		
1 - Pedestrain Bridge at Boerne Trail South over Browns Creek														
Pedestrain Bridge Design (include validation of bridge cals. provided by manufacturer)	8	24	14										46	$ 8,020.00
Pedestrain Bridge Details			8		24								32	$ 3,360.00
Bid Phase Service (included)													0	$ -
Construction Phase Service(include reviewing shop drawings and max. 4 field trips)		3	16										19	$ 2,940.00
1 - Pedestrain Bridge at Boerne Trail South at wetland, Bridge #1														
Pedestrain Bridge Design (include validation of bridge cals. provided by manufacturer)		4	12										16	$ 2,520.00
Pedestrain Bridge Details			4		11								15	$ 1,590.00
Bid Phase Service (included)													0	$ -
Construction Phase Service			7										7	$ 1,050.00
1 - Pedestrain Bridge at Boerne Trail South at wetland, Bridge #2														
Pedestrain Bridge Design (include validation of bridge cals. provided by manufacturer)		4	12										16	$ 2,520.00
Pedestrain Bridge Details			4		11								15	$ 1,590.00
Bid Phase Service (included)													0	$ -
Construction Phase Service			7										7	$ 1,050.00
SUB-TOTAL - 4 extra bridges at Boerne Trail South	**8**	**35**	**84**	**0**	**46**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**173**	**$ 24,640.00**
TOTAL DIRECT EXPENSES														$ -
GRAND TOTAL	**8**	**35**	**84**	**0**	**46**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**173**	**$ -**
HOURS SUB-TOTALS	**8**	**35**	**84**	**0**	**46**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**173**	
LABOR RATE PER HOUR	$ 200.00	$ 180.00	$ 150.00	$ 100.00	$ 90.00	$ 190.00	$ 180.00	$ 110.00	$ 180.00	$ 50.00	$ 100.00	$ 100.00		
LABOR COSTS	$ 1,600.00	$ 6,300.00	$ 12,600.00	$ -	$ 4,140.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 24,640.00	
TOTAL	**$ 1,600.00**	**$ 6,300.00**	**$ 12,600.00**	**$ -**	**$ 4,140.00**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ -**	**$ 24,640.00**	
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON FEE)	**6.49%**	**25.57%**	**51.14%**	**0.00%**	**16.80%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**CHECK**
PERCENT LABOR UTILIZATION FOR TOTAL PROJECT (BASED ON MANHOURS)	**4.62%**	**20.23%**	**48.55%**	**0.00%**	**26.59%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**100.00%**	**$ 24,640.00**

MATKINHOOVER
ENGINEERING
& SURVEYING

March 8, 2017

Poznecki Camarillo Inc.
Mr. Fernando Camarillo
5835 Callaghan Road, Ste 200
San Antonio, Texas 78228

Re: Proposal / Agreement for Civil Engineering Services
No. 9 Railroad and Boerne Park Trail Surveying
MH Project No. 2865.00

Dear Mr. Camarillo:

We appreciate this opportunity to provide you with professional civil engineering services on the above referenced project. Additional services will be required for any alternative routes.

I. Design Surveying (Milkweed area)

Engineer shall coordinate with surveyor to field locate existing above and below ground utilities along the chosen route. The survey data will be used to supplement the aerial topography maps and to avoid conflicts with existing utilities. This task does not include property surveys of easements or adjacent property boundaries. This work was completed on February 14, 2017.

II. Design Surveying (Realignment)

Engineer shall coordinate with surveyor to field locate existing improvements as detailed below. The survey data will be used to supplement the aerial topography maps and to avoid conflicts with existing utilities. This task does not include property surveys of easements or adjacent property boundaries. Scope is expected to require 1 ½ days of field work.

- All visible valves and manholes from the newly constructed KWU GBRA water main that include northing easting and elevations point file
- Trees in the South Project, south of Charger Blvd. (trunk over 6" DBA)
- Topo and DTM in two areas of new alignment
- Boring locations – including ground elevations. Field work to occur separately from the other survey work, after the drilling.
- Two Additional Driveways
- Flow line and Riprap detail 30 feet up and downstream from the concrete lined ditch at the Trails of Herff Ranch
- Flow line of the ditch at Charger Blvd.

Exclusions -

The following items as well as any item not included in the above scope of services are not included in this proposal:

A. Support on archeological or endangered species studies
B. Retaining wall(s) design
C. Landscaping or landscape irrigation system designs
D. Any and all fees and permitting required by government agencies
E. Construction Management
F. Construction testing services
G. Construction Staking
H. Construction Inspections
I. Geotechnical Report
J. Construction Plans
K. Easement Acquisition
L. Direct Non-Salary Expenses including reproduction, travel, and express mail and subcontractor expenses directly related to this project.

XI. Summary of Fees - proposed fees for the services outlined above are as follows:

Section I –	Milkweed Area Reroute Existing Conditions	$	700.00
Section II –	Design Surveying (Realignment)	$	1,800.00
	Boring Locations	$	320.00
	TOTAL LUMP SUM FEE	**$**	**2,820.00**

We appreciate the opportunity to work with you on this project. If the above is acceptable, please sign, date, and return this Proposal / Agreement to our office at your first opportunity. Thank you for your time and consideration. Should you or your staff have questions, comments, or require additional information, please contact me at your first convenience.

Sincerely,
Matkin Hoover Engineering & Surveying
TBPE Firm Registration No. F-4512

Joshua Valenta, P.E.
Vice-President

Agreed to and Accepted,
with Authorization to Proceed:

Mr. Camarillo: _____ Date: _____

ARIAS GEOPROFESSIONALS
142 Chula Vista, San Antonio, Texas 78232 • Phone: (210) 308-5884 • Fax: (210) 308-5886

January 12, 2017 (Re-revised 3/7/2017)
Arias Job No. 2016-947 VIA Email: cbenavides@pozcam.com

Ms. Crystal Benavides
Poznecki-Camarillo, Inc.
5835 Callaghan Road, Suite 200
San Antonio, Texas 78228

RE: Proposal for Geotechnical Engineering Services
Boerne Trail System Expansion
Pedestrian Bridge on North Trail
Boerne, Texas

Dear Ms. Benavides:

Thank you for the opportunity to submit this proposal for geotechnical engineering services for the proposed project. ***We understand that Arias & Associates, Inc. has been pre-selected for this project based upon our qualifications.***

Project Information

Poznecki-Camarillo, Inc. (PCI) is assisting with the planning and design of a new hike and bike trail project in Boerne, Texas. Based on the updated, trail alignment drawing provided to us, we understand that the planned trail and pathway will include two new trails segments: *Boerne Trails South* and *Boerne Trails North*. Overall, the trail improvements for the two segments will include a ten-foot wide concrete trail, trail heads, bridges, elevated walkways, trail maps and interpretive signage, interpretive overlook, mileage markers, boulder seating, trash receptacles, landscaping, and irrigation. Based on the updated trail alignment and proposed structures, Arias has been requested to submit a revised cost estimate for five (5) soil borings. As requested, one boring (1) will be located near the 65 foot double span (total 130 foot span) North Trail bridge; two (2) borings will be located near abutments of the 65 foot double span (total 130 foot span) South Trail bridge; and two (2) borings will be located for two (2) wetlands crossing bridges.

We understand that Texas Department of Transportation (TxDOT) recommends to drill at least two (2) bore holes near abutments for structures crossing minor streams. **The Client has indicated that subsoil information is available (from a previous study) near the 65 foot double span North Trail bridge; thus, the Client has requested to drill one (1) additional boring for this bridge. Please note that Texas Cone Penetration (TCP) tests data were not available in the previous geotechnical report and the borings were located approximately 100 feet or more southwest of the proposed bridge location. In addition, we have been requested to drill one (1) boring for each small span wetland crossing bridge as per the Client. The Owner and Design Team must recognize and understand the additional risks associated with the drilling and sampling of fewer borings. Please contact us immediately if any of this information is not correct.**

Proposal Assumptions

Items that need to be addressed prior to our field exploration and engineering analysis include the following:

1. PCI provided the state plane coordinates of boring locations. Actual locations will be field adjusted for slopes, accessibility, trees, utilities and any other conflicts. Site clearing is beyond the scope of this project. Arias will mark the boring in the field using a hand-held GPS and call in utility locates.

2. The proposed budget and schedule assume that procurement of tree permits and site clearing to provide access to the drill rig will not be required.

Proposed Scope of Services

Based on the information and direction provided by PCI, the following geotechnical services are proposed for the project:

1. As requested, this study will include five (5) soil borings drilled to a maximum depth of 30 feet each. Arias will retain a subcontract driller to perform drilling; however, Arias personnel will locate the borings, will direct the sampling efforts, and will visually classify recovered samples. Soil test borings will be performed in general accordance with TxDOT procedures. TCP tests will be performed at 5-foot interval according to the TEX 132-E method. Samples interpreted to be clay in the field will be sampled using a thin walled tube or split barrel. Soil interpreted to be sand or gravel in the field will be sampled using split barrel. Samples in bedrock where split barrel samples cannot be obtained will be taken from the auger cuttings. Rock coring is not included in our service scope. Recovered soils/rock will be visually classified in the field.

2. If groundwater is encountered, the groundwater levels within the open borehole will be recorded at the time of drilling and immediately following drilling. The borehole will be backfilled with cuttings (if available) generated by drilling operations or with bentonite after completion of drilling.

3. Laboratory testing will be performed on recovered samples selected by the geotechnical engineer to aid in soil classification and to measure engineering properties. Laboratory testing is expected to include moisture content, Atterberg limits, fines content, and unconfined compression strength testing. The actual laboratory program will depend upon the type of soils encountered.

4. We will issue an electronic copy of our formal engineering report prepared by a licensed professional engineer in Texas that will include:

    - Description of the field exploration program;
    - Description of the laboratory testing program;
    - Soil boring plan that depicts borehole location on a base map provided by Client;
    - Soil boring log with soil classifications based on the Unified Soil Classification System (ASTM D 2487);
    - Description of site geology based on location of the site on the Geologic Atlas of Texas;
    - Generalized site stratigraphy and engineering properties developed from field and laboratory data at the explored location;
    - Depth where groundwater was encountered during drilling and its potential impact on construction;
    - Site Class Determination based on 2015 IBC, and;
    - Drilled pier foundation design parameters and “Lpile” design criteria for the bridge foundations.

Our report will not provide global stability evaluations for site slopes or retaining walls. Foundation recommendations for proposed concrete trail pavements, pavilions, canopy shade structures, light pole foundations, or other project-specific structures that may be required have not been included in our scope of services. Pavement recommendations for parking lots are not included as part of this study. We would be pleased to provide these services if desired and project conditions dictate as an additional service item.

Arias engineers have conducted more than 5,000 geotechnical engineering projects in Texas. We are very familiar with the geotechnical design challenges of this project. Also, please be advised that Arias can perform Phase I Environmental Site Assessments, as well as Construction Materials Observation and Testing services. If you would like proposals for those items of work, we will be glad to provide them at your request.

Proposed Fee and

We propose that the fee for the performance of the scope of work for this project as described in this proposal

be **$9,800.00** and that the work will be performed as outlined in the General Conditions included with this proposal. We will submit monthly progress billing during the course of our study; invoicing will be based on the percentage of project completion to bill for project tasks as they are completed (i.e. site mobilization of geotechnical field testing equipment and personnel, completion of field work and laboratory testing, design services, report preparation, etc.).

We have prepared our scope and fee with the understanding that no concrete coring will be required, and that no special permission will be needed for access. We have assumed that you will provide free access to the site. *Meetings after report submission and supplemental letters are not included in our proposed project fees. If required, these items will be billed according to the current Arias & Associates Unit Rate Schedule for Geotechnical Services.*

Our proposed scope of work has been prepared with the understanding that Arias will not provide an environmental assessment or environmental work of any kind. If contaminated soils are encountered during the field work, our soil borings will stop and our client will be notified immediately.

Site Access

The project sites include areas vegetated with mature trees and dense underbrush. Our borings will be sited as close as practical to the provided coordinates accessible for a truck mounted drill rig. We have assumed that PCI will assist in coordinating with Boerne City officials to obtain permission and to access work area.

Extensive clearing and grubbing to clear the proposed trail alignment has not been included in our project budget. We anticipate that we may selectively clear brush and over-hanging tree limbs to provide access to work areas. We will minimize the removal of large trees and adjust boring location to avoid conflict with existing trees.

Our proposal does not include time and budget to obtain tree clearing permits. We have assumed that PCI will be responsible for obtaining required tree and work permits, if needed. Arias will not begin work until required permits have been obtained by PCI and Arias has received copies of the permits in writing. If needed, fees or penalties incurred for trimming brush and limbs will be invoiced at cost.

Schedule

Our final written report will be delivered to you within about three (3) weeks of completing the soil boring **(before April 17, 2017)**. If this schedule does not meet your needs, please inform us.

We recommend that the project schedule include efforts and time for PCI to coordinate and secure tree cut permits, if needed. It has been our experience that specialized tree clearing permits may require six (6) to eight (8) weeks. We have assumed that tree permits, if required, will be provided to us in writing prior to beginning work. **To achieve the report submission deadline, we need to finish drilling before March 27, 2017. Therefore, all the required permissions for drilling the site needs to be received by Arias before March 10, 2017.**

Delays sometime occur due to adverse weather, utility clearance requirements, site clearing requirements for drill rig access, obtaining drilling permits, obtaining Right of Entries and other factors outside of our control. In this event, we will communicate the nature of the delay with you and provide a revised schedule at the earliest possible date.

Proposal Acceptance

Please let us know whether our proposal meets your expectations. We will begin work upon receipt of a signed copy of this proposal by an authorized representative. Please return the entire signed proposal to us by fax, mail or email to cszymczak@ariasinc.com. Please see signature block below and fill out as applicable. If billing address is different than above, please complete that address information as well.

If you have any questions, please do not hesitate to contact me. We appreciate the opportunity to be of service to you and look forward to working with you on this project.

Sincerely,
ARIAS & ASSOCIATES, INC.
TBPE Registration No: F-32

Golam Kibria, P.E.
Geotechnical Engineer

Christopher M. Szymczak, P.E.
Senior Geotechnical Engineer