

## **WORK AUTHORIZATION NO. 1**

### **PROJECT: Parking Garage Assessment P524**

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **November 19, 2019** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Wiss, Janney, Elstner Associates, Inc.** (the "Engineer").

Part 1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is **\$26,500.00**.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on **April 30, 2020**. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.


Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

ENGINEER:

Wiss, Janney, Elstner Associates, Inc.

By:   
Signature

Carl J. Larosche, PE

Printed Name

Principal

Title

COUNTY:

Williamson County, Texas

By: \_\_\_\_\_  
Signature

Bill Gravell, Jr.

Printed Name

County Judge

Title

#### LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

## **Attachment A - Services to be Provided by County**

Williamson County will provide a Project Manager and any requested data that is in the County's control.

**Attachment B - Services to be Provided by Engineer**



Wiss, Janney, Elstner Associates, Inc.  
9511 North Lake Creek Parkway, Austin, Texas 78717  
512.257.4800 tel  
Texas Registered Engineering Firm F-0093  
www.wje.com

October 22, 2019  
Mr. Dale Butler  
Facilities Director  
Williamson County  
3101 SE Inner Loop  
Georgetown, Texas 78626

## **Criminal Justice Center Parking Garage Assessment**

Proposal for Engineering Services  
WJE No. 2019.6343

Dear Mr. Butler:

Per your request, Wiss, Janney, Elstner Associates, Inc. (WJE) is pleased to provide this proposal for professional services related to the Williamson County Criminal Justice Center Parking Garage (Garage), located between 3rd and 4th Streets and Rock Street in Georgetown, Texas. This letter provides a description of the anticipated scope of services and associated budgets for your consideration and approval.

### **BACKGROUND**

The Garage is a four-level precast (PC) double-tee parking garage built in 2003 by Faulkner USA, which was reportedly designed for an additional four levels for future expansion. The Garage foundation structure consists of drilled piers and cast-in-place concrete grade beams and retaining walls. The superstructure consists of pre-cast beam, column, and double-tee elements designed and built by Coreslab, Inc. The Garage began experiencing various forms of distress and was eventually closed in January 2011. Jose I Guerra, Inc. (JIG) performed a structural assessment in 2012 and developed a repair design for the structure that was installed in late 2013 to early 2014. The repairs included replacing a failed double-tee, encasing structural columns beneath existing corbels, installing lateral bracing at one of the lower-level walls, repairing double tee connectors, and numerous concrete spall and crack repairs. WJE was retained by the repair contractor, Restek, Inc., in 2013 to develop the shoring design used during construction of the repairs. Bryant Consultants, Inc. (Bryant) and Balcones Geotechnical, PLLC (Balcones) have each performed geotechnical investigations related to the past performance and suitability of the foundation for future expansion, with reports dated November 2014 and December 2017, respectively. Since the 2014 repairs have been completed, the Garage has reportedly experienced additional distress at one of the double-tee stems in the lower level. As such, Williamson County has requested that WJE perform a structural assessment to evaluate the observed distress at the double-tee stem, as well as a review of the Garage as a whole to assist the Owner with future garage decisions.

### **SCOPE OF SERVICES**

Based on our understanding of the project to-date, WJE recommends the following scope for the initial phase of services. A sequenced, multi-phased approach for the project not only provides a logical

distinction between the different activities required to complete the assessment and/or repair effort but also permits adjustments to be made to the work plan based on the tasks completed in each phase and the established priorities of Williamson County. Additional phases could include additional in-depth assessment or analysis, repair design, or construction period services.

## **Phase 1: Assessment**

### **Task 1 - Document Review**

WJE structural and geotechnical engineers will review project documentation provided by Williamson County, including the following documents:

- Original structural design drawings from Mike Capt Engineering, latest revision dated May 8, 2002
- Structural assessment report by JIG dated November 2012, including survey data by Macias & Associates, and nondestructive scanning and welding inspection reports by Kleinfelder (124 pages)
- Structural repair drawings and specifications by JIG issued July 17, 2013, as well as construction-related documents such as field observation reports and contractor Requests for Information (RFIs)
- Soil-structure interaction investigation report by Bryant dated November 14, 2014, including boring and soil testing results and GPR surveys (196 pages)
- Geotechnical investigation report by Balcones dated December 20, 2017, including the original Balcones report dated January 23, 2015, and numerous soil testing results and geophysical testing reports (275 pages)

The document review will supplement and inform WJE's visual condition assessment (Task 2) and help direct discussion of potential causes of observed distress and any recommendations related to the structure. We anticipate the document review will be performed over the course of two to three weeks.

### **Task 2 - Structural Condition Assessment**

WJE will perform a visual assessment of accessible portions of the parking garage to photograph and document apparent distress associated with the structural elements. WJE will conduct limited mechanical impact sounding and ground penetrating radar (GPR) scanning of the double-tee stem with observed distress. WJE may also perform mechanical impact sounding or GPR at other areas of the Garage with observed distress. We anticipate the structural field assessment will be performed by two staff over one to two days.

### **Task 3 - Letter Report**

WJE will prepare a concise written report summarizing the findings and conclusions of our document review and condition assessment. The report will include discussion of the current structural condition, as well as suitability for continued use. Recommendations for additional investigation or analysis will be provided for Williamson County's consideration, as well as any conceptual repair recommendations, if necessary. An Engineer's Opinion of Probable Cost, including quantities and unit price cost estimates, will

be provided for budgeting and planning purposes for any recommended repairs. The report will be signed and sealed by a Professional Engineer licensed in the State of Texas.

#### **Task 4 - Meeting and Project Administration**

WJE will attend one meeting with Williamson County to review the findings of the report and discuss the recommendations and potential next steps. General project correspondence and administration is also covered in this task.

#### **ADDITIONAL SERVICES**

Additional investigation services may be warranted but are not included as part of this initial assessment phase, including, but not limited to:

- Material sampling of the concrete parking garage for in-depth evaluation of the concrete properties
- Detailed structural analysis of the load-carrying capacity of structural elements
- Geotechnical borings or exploratory test pits

#### **BUDGET AND TERMS**

Based on the scope of services outlined above, WJE recommends the following budget:

<b>Task</b>	<b>Description</b>	<b>Fees</b>	<b>Expenses</b>	<b>Total</b>
1	Document Review	\$ 7,700	\$ 0	\$ 7,700
2	Structural Condition Assessment	\$ 5,800	\$ 200	\$ 6,000
3	Letter Report	\$ 10,400	\$ 0	\$ 10,400
4	Meeting and Project Administration	\$ 2,350	\$ 50	\$ 2,400
<b>Total</b>		<b>\$ 26,250</b>	<b>\$ 250</b>	<b>\$ 26,500</b>

Actual charges will be billed on a time and expense basis according to our hourly rates in effect at the time services are rendered. All services will be performed in accordance with our *Terms and Conditions for Professional Services*, copy attached. Additional services requested of WJE beyond the work described herein can be performed on a time and expense basis at our hourly rates listed below.

<b>Professional Staff</b>		<b>Professional Support Staff</b>	
Senior Principal	\$350.00	Senior Specialist	\$150.00
Principal	\$290.00	Specialist	\$135.00
Associate Principal	\$235.00		
Senior Associate	\$205.00	Senior Technician	\$115.00
Associate III	\$185.00	Technician II	\$100.00
Associate II	\$160.00	Technician I	\$85.00
Associate I	\$130.00		

## AUTHORIZATION

You may acknowledge formal authorization for the above described services by signing in the space provided below and returning a signed copy to our office.

## CLOSING

Thank you for considering WJE for this project. If you have any questions, please do not hesitate to contact us. We look forward to addressing any questions you may have and moving forward with this assignment.

Sincerely,

**WISS, JANNEY, ELSTNER ASSOCIATES, INC.**



Stephen W. Foster, PE  
Senior Associate and Associate Unit Manager



Carl J. Larosche, PE  
Principal

## Agreed and approved

Name: \_\_\_\_\_ (please print)

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

As Agent or Principal for: \_\_\_\_\_

Date: \_\_\_\_\_



## **Attachment C - Work Schedule**

A work schedule will be determined in the course of the project when sufficient information is available.

## EXHIBIT D

### RATE SCHEDULE

#### Professional Staff

Senior Principal	\$350.00
Principal	\$290.00
Associate Principal	\$235.00
Senior Associate	\$205.00
Associate III	\$185.00
Associate II	\$160.00
Associate I	\$130.00

#### Professional Support Staff

Senior Specialist	\$150.00
Specialist	\$135.00
Senior Technician	\$115.00
Technician II	\$100.00
Technician I	\$85.00

**CPI Rate Adjustments:** Rates will remain firm for the initial first year of the Contract and such rates shall be deemed the "Initial Base Rates". Engineer must request rate adjustments, in writing, at least thirty (30) days prior to each annual anniversary date of the Contract and any rate changes will take effect on the first day following the prior year. If Engineer fails to request a CPI rate adjustment, as set forth herein, the adjustment will be effective thirty (30) days after the County receives Engineer's written request. No retroactive rate adjustments will be allowed.

Price adjustments will be made in accordance with changes in the U.S. Department of Labor Consumer Price Index (CPI-U) for All Urban Consumers, All Items, South Region (Base 1982-84 = 100).

The rate adjustment will be determined by multiplying the Initial Base Rates by a fraction, the numerator of which is the index number for most recently released index before each annual anniversary date of the Contract and the denominator of which is the index number for the first month of the Contract (the index number for the month in which the Contract was originally executed). If the products are greater than the Initial Base Rates, County will pay the greater amounts as the rates during the successive year until the next rate adjustment. Rates for each successive year will never be less than the Initial Base Rates.