

**CAMINO REAL REGIONAL MOBILITY AUTHORITY  
BOARD RESOLUTION**

**WHEREAS**, the Camino Real Regional Mobility Authority (CRRMA) and Huitt-Zollars, Inc. (Engineer) entered into Work Authorization No. 2 dated September 8, 2020 for the Engineer to provide design services for the completion of plans for the Valley Chile Road Project, as part of the Regional Mobility Strategy 2020 program; and

**WHEREAS**, the parties now desire to amend Work Authorization No. 2 to allow for the Engineer to complete additional bore activities for the determination of the feasibility of a potential pond location for the Valley Chile Road Project.

**NOW, THEREFORE, BE IT RESOLVED BY THE CAMINO REAL REGIONAL MOBILITY AUTHORITY:**

**THAT**, the Executive Director be authorized to execute **Amendment No. 1 to Work Authorization No. 2** with Huitt-Zollars, Inc., including any additional documents or materials as may be required, for the provision of additional boring activities not originally contemplated for the completion of plans for the Valley Chile Road Project.

**PASSED AND APPROVED THIS 13<sup>TH</sup> DAY OF OCTOBER 2021.**

**CAMINO REAL  
REGIONAL MOBILITY AUTHORITY**

**ATTEST:**

\_\_\_\_\_  
Joyce A. Wilson, Chair

\_\_\_\_\_  
Dorothy M. (Sissy) Byrd  
Board Secretary

**APPROVED AS TO CONTENT:**

\_\_\_\_\_  
Raymond L. Telles  
Executive Director

**AMENDMENT NO. 1**

**WORK AUTHORIZATION NO. 2  
CONTRACT FOR ENGINEERING SERVICES**

**THIS AMENDMENT TO WORK AUTHORIZATION NO. 2** is made pursuant to the terms and conditions of Article 5 of the Contract for Engineering Services entered into by and between the CAMINO REAL REGIONAL MOBILITY AUTHORITY (the “CRRMA”), and HUITT-ZOLLARS, INC., (the “Engineer”), dated September 11, 2019.

The terms and conditions of Work Authorization No. 2, dated September 8, 2020 and entered into by the Parties for the development of the Valley Chile Rd. Project, are hereby supplemented by the addition of **EXHIBIT B-1** and **EXHIBIT C-1**, which are attached hereto and incorporated herein for all purposes.

This Amendment No. 1 shall become effective on the date of final execution of the Parties hereto. All other terms and conditions of Work Authorization No. 2, not hereby amended, are to remain in full force and effect.

**IN WITNESS WHEREOF**, this Amendment No. 1 to Work Authorization No. 2 is executed in duplicate counterparts and hereby accepted and acknowledged below.

**HUITT-ZOLLARS, INC.**

**CAMINO REAL  
REGIONAL MOBILITY AUTHORITY**

By: \_\_\_\_\_  
Isabel Vasquez, PE  
Vice President

By: \_\_\_\_\_  
Raymond L. Telles  
Executive Director

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

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

## EXHIBIT B-1

### ADDITIONAL SERVICES TO BE PROVIDED BY THE ENGINEER

#### I. SUMMARY

Professional Services will be provided by the Engineer in this amendment to perform an additional bore in the lot located in the southeast corner of the intersection of Doniphan Dr. and Valley Chile to determine if the lot is a feasible ponding facility.

#### II. ADDITIONAL SERVICES TO BE PROVIDED BY THE ENGINEER

The additional Scope of Services to be provided by the consultant team per this Amendment include, but are not limited to the following key elements:

##### GEOTECHNICAL INVESTIGATION

The Engineer shall perform the following services.

1. All geotechnical work should be performed in accordance with the TxDOT's Geotechnical Manual (July 2020). All testing shall be performed in accordance with the latest version of the State's Manual of Test Procedures. American Society for Testing Materials (ASTM) test procedures can be used only in the absence of the State's procedures. All soil classification should be done in accordance with the Unified Soil Classification System. Laboratory testing may include moisture content, Atterberg limits, percent passing No. 200 sieve, dry unit weight and unconfined compressive strength tests.
2. The table below shows the proposed field exploration program for this project.

| Location         | Structure      | Proposed Borings | Total Drilling Depth (feet) |
|------------------|----------------|------------------|-----------------------------|
| Valley Chile Rd. | Detention Pond | 1 @ 20 feet*     | 20                          |

\*HVJ recommend performing a deeper boring to be able to utilize the borehole information for engineering analysis in the future

3. HVJ shall prepare a geotechnical report which contains, but is not limited to, soil boring locations, boring logs, laboratory test results, generalized subsurface conditions and ground water conditions.
4. The soil boring logs shall be in accordance with the State's WINCORE software as can be found on the Texas Department of Transportation website.

### **III. PROJECT SCHEDULE**

The schedule for the additional services is as follows:

- Geotechnical exploration will begin within 1 week of receiving right of entry from property owner

### **IV. DELIVERABLES**

The deliverables include a geotechnical report for the identified boring location.

[END OF EXHIBIT]

## EXHIBIT C-1

### FEE ESTIMATE FOR ADDITIONAL SERVICES

#### Fee Summary

| Company             | Fee               |
|---------------------|-------------------|
| Huitt-Zollars, Inc. | \$0.00            |
| Villaverde          | \$0.00            |
| Blanton             | \$0.00            |
| HVJ                 | \$4,574.13        |
| Cobb Fendley        | \$0.00            |
| <b>Total</b>        | <b>\$4,574.13</b> |

| Huitt-Zollars                                 |                     |               |               |                   |               |               |               |               |               |               |
|---|---------------------|---------------|---------------|-------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Valley Chile Road Reconstruction              |                     |               |               |                   |               |               |               |               |               |               |
| Summary by Task                               |                     |               |               |                   |               |               |               |               |               |               |
| Task  | Huitt-Zollars, Inc. | VillaVerde    | Blanton       | HVJ               | Cobb-Fendley  |               |               |               |               |               |
| A. Project Management                         |                     |               |               |                   |               |               |               |               |               |               |
| B. Surveying                                  |                     |               |               |                   |               |               |               |               |               |               |
| D. Geotechnical Investigations                |                     |               |               | \$4,312.86        |               |               |               |               |               |               |
| E. Schematic Design                           |                     |               |               |                   |               |               |               |               |               |               |
| F. Drainage Study                             |                     |               |               |                   |               |               |               |               |               |               |
| G. Environmental Document                     |                     |               |               |                   |               |               |               |               |               |               |
| H. Stakeholder Coordination                   |                     |               |               |                   |               |               |               |               |               |               |
| I. Plans, Specifications and Estimates (PS&E) |                     |               |               |                   |               |               |               |               |               |               |
| J. Utility Coordination                       |                     |               |               |                   |               |               |               |               |               |               |
| <b>Sub Totals</b>                             | <b>\$0.00</b>       | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$4,312.86</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> |
| <b>Direct Expenses</b>                        |                     |               |               | <b>\$2,730.00</b> |               |               |               |               |               |               |
| <b>Totals</b>                                 | <b>\$0.00</b>       | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$7,042.86</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> | <b>\$0.00</b> |
| Remaining Budget                              |                     |               |               | \$2,468.73        |               |               |               |               |               |               |
| <b>Grand Total</b>                            |                     |               |               | <b>\$4,574.13</b> |               |               |               |               |               |               |

| HVJ Associates  |                  |                 |            |                 |                        |                   |
|---|------------------|-----------------|------------|-----------------|------------------------|-------------------|
| Valley Chile Road - Additional Boring   |                  |                 |            |                 |                        |                   |
| Task Description  | PROJECT ENGINEER | DESIGN ENGINEER | BT         | SENIOR ENG TECH | ADMIN / CLERICAL (ENG) | TOTAL LABOR HOURS |
| <b>D. Geotechnical Investigations</b>   |                  |                 |            |                 |                        | 16                |
| 1. Surface Exploration and Testing  |                  |                 |            |                 |                        | 16                |
| 1.1 Perform geotechnical engineering investigation                                    |                  |                 |            |                 |                        | 0                 |
| 1.1.1. Conduct subsurface explorations  | 2                |                 | 4          | 4               |                        | 10                |
| 1.1.2 Implement traffic control   |                  |                 |            |                 |                        | 0                 |
| 1.1.3 Advance exploratory borings   |                  |                 |            | 6               |                        | 6                 |
| 2. Pavement Design  |                  |                 |            |                 |                        | 0                 |
| 2.1 Provide ACP design for Hangar parking lot & road and PCC design for Apron         |                  |                 |            |                 |                        | 0                 |
| 2.2 Write Pavement Section Geotechnical Report with TxDOT & FAA specifications        |                  |                 |            |                 |                        | 0                 |
| 2.3 Review HZ Submittals for conformance with Pavement Design, 30%, 60%, 90% and 100% |                  |                 |            |                 |                        | 0                 |
| <b>Deliverables</b>   |                  |                 |            |                 |                        | 0                 |
| 1. Geotechnical Report (3 copies) (PE signed and sealed)                              | 4                |                 | 10         |                 |                        | 14                |
| <b>HOURS SUB-TOTALS</b>   | 6                | 0               | 14         | 10              | 0                      | 30                |
| <b>CONTRACT RATE PER HOUR</b>   | \$191.24         | \$178.05        | \$148.38   | \$108.81        | \$115.40               |                   |
| <b>TOTAL LABOR COSTS</b>  | \$1,147.44       | \$0.00          | \$2,077.32 | \$1,088.10      | \$0.00                 | \$4,312.86        |
| <b>% DISTRIBUTION OF STAFF HOURS</b>  | 20.00%           | 0.00%           | 46.67%     | 33.33%          | 0.00%                  |                   |

| PROJECT: Valley Chile Road   |     |       |        |                   |
|--|-----|-------|--------|-------------------|
| HVJ ASSOCIATES   |     |       |        |                   |
| OTHER DIRECT EXPENSES  |     |       |        |                   |
| Other Direct Expenses  | QTY | UNITS | RATE   | TOTAL             |
| Mileage (Current state rate)   | 100 | mile  | 0.580  | \$58.00           |
| Unconfined Compressive Strength (Soil)   | 2   | each  | 75.00  | \$150.00          |
| Determining of Moisture Content in Soils   | 2   | each  | 15.00  | \$30.00           |
| Determining Liquid Limit of Soils  | 2   | each  | 38.50  | \$77.00           |
| Determining Plastic Limit of Soils   | 2   | each  | 38.50  | \$77.00           |
| Determining the Amount of Material in Soils Finer than No. 200   | 2   | each  | 45.00  | \$90.00           |
| Soil Boring/Rock Coring with TCP (< 60 ft.)  | 20  | LF    | 41.00  | \$820.00          |
| Core/drill operator/technician and coring equipment used to drill flexible and rigid pavement (2-man crew) | 1   | Trip  | 350.00 | \$350.00          |
| (a) 4-in. diameter cores   |     | Inch  | 15.00  |                   |
| (b) 6-in. diameter cores   | 12  | Inch  | 19.00  | \$228.00          |
| Field Vane Shear Testing   |     |       | 35.00  |                   |
| Borehole Grouting - Bentonite Chips  | 20  | LF    | 10.00  | \$200.00          |
| Drilling Rig Mobilization/De Mobilization  |     |       |        |                   |
| Truck Mounted Rig  | 1   | each  | 650.00 | \$650.00          |
| <b>Other Direct Expense Total</b>  |     |       |        | <b>\$2,730.00</b> |

|                            |                   |
|----------------------------|-------------------|
| <b>Total Cost Estimate</b> | <b>\$7,042.86</b> |
| <b>Remaining Funds</b>     | <b>\$2,468.73</b> |
| <b>Grand Total</b>         | <b>\$4,574.13</b> |

[END OF EXHIBIT]