

**AGREEMENT NO. 24-\_\_\_**

(First Amendment to Agreement 20-304 with WSP Inc. (formerly Golder Associates, Inc.) for engineering design and construction quality assurance services at the Yolo County Central Landfill to modify the scope and revise the maximum compensation)

This First Amendment to Agreement 20-304 for engineering design and construction quality assurance services (“First Amendment”) is entered into this 23rd day of January, 2024, by and between the County of Yolo, a political subdivision of the State of California (“County”), and WSP Inc., a New York corporation (“Contractor”).

**Recitals**

**WHEREAS**, the County is authorized by Government Code Section 23004 to make contracts as necessary for the exercise of its powers; and

**WHEREAS**, the County is authorized by Government Code Section 31000 to contract with persons specially trained, experienced, knowledge and competent to perform special services such as engineering design and construction quality assurance; and

**WHEREAS**, the County circulated and distributed a Request for Proposals in 2020 for engineering design and construction quality assurance at the Yolo County Central Landfill; and

**WHEREAS**, Contractor, formerly Golder Associates, Inc., was one of three selected consultants to provide such services (Yolo County Agreement No. 20-304, dated December 15, 2020); and

**WHEREAS**, the County requires design services to design the next module, Waste Management Unit 7J, at the Landfill and solicited proposals from the three design consultants currently under contract; and

**WHEREAS**, Contractor provided a complete proposal at the lowest cost to the County by virtue of their past experience providing similar designs to the County, which is attached as Exhibit C to this First Amendment; and

**NOW, THEREFORE, IT IS HEREBY AGREED AS FOLLOWS:**

1. Section I.A of Agreement No. 20-304 is amended to add the following Task 6:

**Task 6: Prepare design plans, specifications and construction quality assurance plan for the next Class III module, Waste Management Unit 7J at the Yolo County Central Landfill, and obtain regulatory approval for these plans as described in new Exhibit C, which is attached hereto and incorporated into Agreement No. 20-304 as amended herein.**

Subtask 6.1: Project Meetings	\$ 5,407.00
Subtask 6.2: Design Report	\$13,432.00
Subtask 6.3: Construction Plans	\$32,306.00
Subtask 6.4: Specifications, Bid Documents, Estimate	\$10,051.00

Subtask 6.5:	Bid Support	\$7,369.00
Subtask 6.6	Regulatory Support	\$7,489.00
Subtask 6.7	Construction Support	\$20,372.00

- Task 5 of Section I.A of Agreement No. 20-304 is amended to increase the on-call maximum by an additional \$50,000 as follows:

**Task 5: Additional on-call engineering services may be needed during the term of this Agreement.**

Subtask 5.1: tasks to be determined \$250,000.00

- The second paragraph of Section III.A of Agreement No. 20-304 is amended to increase the total maximum compensation by \$146,426 as follows:

Provided, however, that the total amount of compensation to be paid to Contractor for the services required by this Agreement shall not exceed four hundred ninety-seven thousand two hundred twenty-seven dollars (\$497,227.00). In the determination of hourly fees, time allotments shall be calculated to one-tenth of an hour.

- Except as specifically amended hereinabove, Agreement No. 20-304 shall remain in full force and effect according to its terms.

**IN WITNESS WHEREOF**, the Parties have executed this First Amendment as of the day and year first set forth above.

**CONTRACTOR**

WSP, Inc.

By: Jeffrey Dobrowolski  
Jeffrey Dobrowolski, Vice President

**COUNTY OF YOLO**

By: \_\_\_\_\_  
Lucas Frerichs, Chair  
Board of Supervisors

Attest:  
Julie Dachtler, Senior Deputy Clerk  
Board of Supervisors

By: \_\_\_\_\_  
Deputy (Seal)

Approved as to Form:  
Philip Pogledich, County Counsel

By: Kimberly E. Hood  
Kimberly Hood, Assistant County Counsel

December 27, 2023

Proposal No. 202321043

**Jeff Kieffer, PE**

Principal Civil Engineer  
Yolo County Central Landfill  
44090 County Road 28H  
Woodland, CA 95776

**RE: PROPOSAL FOR DESIGN SERVICES FOR WASTE MANAGEMENT UNIT 7J, YOLO COUNTY CENTRAL LANDFILL, WOODLAND CALIFORNIA**

Dear Mr. Kieffer,

WSP USA, Inc. (WSP, formerly Golder Associates USA, Inc.) is pleased to submit this proposal in response to your request for the design of the next lined module, Waste Management Unit (WMU) 7J, at the Yolo County Central Landfill (YCCL). Our proposed scope of work, budget, and schedule are provided for your review and approval.

**1.0 BACKGROUND**

The project consists of the preparation of a base liner design for the next Class III landfill module at the YCCL. WMU 7J will be located in a 20-acre phase directly to the east of existing WMU 6H, and is anticipated to encompass about 14 acres corresponding to the north-south trending high point ridge line in the eastern portion of this WMU in the master base grading plan. The proposed design will be tied into WMU 6H and will utilize the same design approach of building the subgrade up to achieve adequate groundwater separation. Design documents will be prepared to obtain regulatory approval and for final construction.

The County may consider phasing the construction of WMU 7J and perform some or all of the earthworks during one construction season and geosynthetics deployment and liner system construction in the following construction season.

WSP understands that the County intends to issue Notice to Proceed in January 2024 and we are prepared to accelerate the delivery of a full design package (Design Report, Drawings, Specifications, and CQA Plan) by April 2024. WSP's experience in designing the previous landfill modules and working through the regulatory approval process enables us to accelerate the design and ensure the design meets the Central Valley Regional Water Quality Control Board's (CVRWQCB's) requirements.

**2.0 SCOPE OF WORK****Task 1 – Project Meetings**

WSP will attend, coordinate, and document the following meetings based on our experience during the WMU 6H project:

- Kick-off Meeting (in person)
- Progress Meetings (assumes three virtual meetings)

WSP will prepare meeting minutes and distribute them to the County for review and comment. Prior to the kick-off meeting, WSP will transmit to the County via e-mail key design decisions and criteria that need to be addressed during the design. We will document the decisions made, status, and path forward for each issue in the kick-off meeting minutes. It is assumed that the three progress meetings will be held virtually through MS Teams per the County's preference.

### **Task 2 – Design Report**

WSP will prepare a design report summarizing the liner design for WMU 7J and how it complies with Title 27 and the YCCL's Waste Discharge Requirements Order No. R5-2016-0094.

The design report will follow our format for WMU 6H and will summarize and present key design calculations, including the following:

- Anticipated base settlement under refuse loading
- Static and seismic slope stability
- Stormwater design
- Leachate generation rates, leachate collection and removal system (LCRS) capacity, and leachate mounding
- Interim grading plan and capacity

WSP anticipates using the calculations we prepared for WMU 6H with some minor modifications for WMU 7J and will incorporate comments received from the WMU 6H Design Report into the discussion of the proposed WMU 7J Design Report. This approach will reduce the level of effort needed to prepare the WMU 7J Design Report and should help to minimize regulatory comments. WSP will submit draft design report with the 90-percent construction plans (Task 3) and specifications (Task 4). A completed design report will be submitted to the CVRWQCB by April 2024.

### **Task 3 – Construction Plans**

During the kick-off meeting, WSP will review the preliminary base grading concepts previously developed with the design of WMU 6H along with the Requests for Information (RFIs) for the previous base liner construction project to determine if appropriate clarifications should be incorporated into the construction plans and specifications.

We anticipate that the design will follow the process WSP and the County used during the design of WMU 6H. Furthermore, utilizing similar construction details will result in a reduced effort compared to that for the WMU 6H construction plans. Once the grading concept is developed, WSP will prepare constructions plans which, based on our WMU 6H design work, will include the following:

- Title Sheet
- Site Plan
- Soil Borrow Plan
- Top of Subgrade Grading Plan
- Top of Liner Grading Plan

- Cross-Sections
- Liner, Leachate Collection and Removal Systems, and Landfill Gas Details
- Top of Subgrade Control Points
- Top of Liner Control Points

The design plans will be prepared such that they can be utilized for both phases of the construction. WSP will submit construction plans to the County at the 50-percent and 90-percent level of completion. WSP will incorporate County comments and finalize these plans. Construction plans will be submitted to the County by May 2024 in preparation for bidding Phase 1 (subgrade fill). WSP will also submit construction drawings to the CVRWQCB by May 2024 and complete any revisions necessary for regulatory agency approval.

#### **Task 4 – Specifications, Bid Documents, Engineer’s Estimate**

WSP anticipates that the WMU 7J specifications, bid documents, and Engineer’s cost estimate will be similar to those prepared for WMU 6H. WSP will prepare the following documents:

- Engineer’s cost estimate (+/-25 percent at the 50-percent submittal and +/-10 percent at the 90-percent submittal)
- Construction specifications in CSI format
- Bid documents with the boiler plate language provided by the County (we will include bid item definitions with measurement and payment sections)
- Construction Quality Assurance (CQA) Plan

WSP will submit the technical specifications, draft bid documents, and engineer’s cost estimate to the County at the 50- and 90-percent level of completion. WSP will incorporate County comments and finalize these documents. Construction specifications will be submitted to the County by May 2024 in preparation for bidding Phase 1 (subgrade fill). WSP will also submit to the CVRWQCB by May 2024 and complete any revisions necessary for regulatory agency approval.

#### **Task 5 – Bid Support**

During the bidding process, WSP will provide support to the County by attending the pre-bid meeting and responding to technical or regulatory questions from interested bidders. We have assumed that the County will address contract-related questions. WSP will prepare the draft bid addenda, if necessary, for the County’s review and then incorporate any County comments in the final bid addenda. We have assumed bid support will take place during both the Phase 1-subgrade fill and Phase 2-final earthworks/geosynthetics bidding processes.

#### **Task 6 – Regulatory Support**

During the permitting process, WSP will provide support to the County by addressing regulatory agency (i.e., CVRWQCB) comments on the design report and attending virtual meetings, as needed, with the County and the CVRWQCB. WSP will prepare a response-to-comment letter, as appropriate, for submittal to the County and then for final submittal to the CVRWQCB.

### Task 7 – Construction Period Support

During WMU 7J construction, WSP will provide support to the County by addressing design-related inquiries and evaluating design refinements based on field conditions warranting design adjustments, if necessary. WSP will closely coordinate with the County and the CQA firm on design-related inquiries and formulate appropriate responses and, as necessary, prepare revised construction drawings commensurate with the agreed upon design modification(s).

### 3.0 SCHEDULE

WSP is prepared to begin work upon receiving authorization to proceed and receipt of the above requested items. Below is our anticipated schedule to complete 50 percent, 90 percent, and final deliverables:

■ Notice to Proceed	February 5, 2024
■ 50 percent Draft Deliverable	March 29, 2024
■ 90 Percent Draft Deliverable	April 26, 2024
■ Final Design Deliverable	May 17, 2024

### 4.0 COST ESTIMATE

We propose to perform the above work under the Miscellaneous On-Call Services task under Agreement No. 20-304 executed on December 15, 2020, amended in 2023, and as to be amended in 2024. Table 1 presents our cost estimate to prepare the WMU 7J design, specifications, cost estimate, bid documents and regulatory and construction support services. Invoices will be based on actual time and expenses not-to-exceed this cost estimate without your prior approval.

### 5.0 CLOSING

WSP appreciates the opportunity to work with Yolo County on the YCCL. Please call if you have any questions or require additional information.

Sincerely,

**WSP USA, Inc.**



Michael Gonzalez, EIT  
Senior Consultant, Civil Engineer



Jeff Dobrowolski, PE  
Vice President, Technical Principal

Attachments: Table 1 – Cost Estimate for Design Services

**TABLE 1  
COST ESTIMATE**

**PREPARE DESIGN PLANS, SPECIFICATIONS AND CQA PLAN FOR WMU 7J, REGULATORY SUPPORT, AND CONSTRUCTION SUPPORT**

LABOR CATEGORY	HOURS BY TASK							HOURS	TOTAL UNITS	RATE	COST
	1	2	3	4	5	6	7				
Senior Practice Leader								0	hr	\$ 250.00	\$ -
Practice Leader	16	8	16	8	16	16	18	98	hr	\$ 230.00	\$ 22,540
Senior Consultant								0	hr	\$ 200.00	\$ -
Senior Engineer								0	hr	\$ 185.00	\$ -
Senior Project Engineer	10	32	8	12	20	22	40	144	hr	\$ 135.00	\$ 19,440
Project Engineer								0	hr	\$ 125.00	\$ -
Staff Engineer		32	20	20			72	144	hr	\$ 118.00	\$ 16,992
Engineer		16	40	28				84	hr	\$ 108.00	\$ 9,072
Sr. Staff CAD Designer		8	190	4	4	4	8	218	hr	\$ 100.00	\$ 21,800
Sr. Admin. Staff		4	4	4		1	4	17	hr	\$ 82.00	\$ 1,394
<b>Labor Totals</b>	26	100	278	76	40	43	142	705			
<b>Labor Costs</b>	\$ 5,030	\$ 12,792	\$ 30,768	\$ 9,572	\$ 6,780	\$ 7,132	\$ 19,164			Subtotal Labor =	\$ 91,238
<b>Office Service Fee (5%)</b>	\$ 252	\$ 640	\$ 1,538	\$ 479	\$ 339	\$ 357	\$ 958			Office Service Fee =	\$ 4,562
<b>Total Labor Costs</b>	\$ 5,282	\$ 13,432	\$ 32,306	\$ 10,051	\$ 7,119	\$ 7,489	\$ 20,122			Total Labor =	\$ 95,800
OTHER CATEGORIES	AMOUNT BY TASK							TOTAL AMOUNT	UNITS	RATE	COST
	1	2	3	4	5	6	7				
Photocopies								0	page	\$0.20	\$ -
Leak Location Survey								\$ -	LS	-	\$ -
Laboratory Testing (Soils and Geosynthetics)								\$ -	LS	-	\$ -
Equipment and Sample Shipping								\$ -	LS	-	\$ -
Field Supplies								\$ -	LS	-	\$ -
Per Diem								0	Day	\$198.00	\$ -
Vehicle per week								0	week	\$500.00	\$ -
Vehicle per day (meetings)	1				2		2	5	Day	\$125.00	\$ 625
<b>Direct Expense Total</b>	\$ 125	\$ -	\$ -	\$ -	\$ 250	\$ -	\$ 250			Subtotal Other Categories=	\$ 625
<b>Total Cost by Task</b>	\$ 5,407	\$ 13,432	\$ 32,306	\$ 10,051	\$ 7,369	\$ 7,489	\$ 20,372			<b>TOTAL=</b>	<b>\$ 96,425</b>
Task 1 - Project Meetings Task 2 - Design Report Task 3 - Construction Plans Task 4 - Specifications, Bid Documents, Engineer's Estimate Task 5 - Bid Support (Phases 1 and 2) Task 6 - Regulatory Support Task 7 - Construction Support											

Notes:

1. Task 1 assumes 1 kick off meeting, 3 progress meetings and a vehicle for each meeting
2. Task 5 assumes 2 pre-bid meetings and a vehicle
3. Task 7 assumes 2 on-site meetings and a vehicle