



## **ADDENDUM NO. 2**

### **TO THE PLANS, SPECIFICATIONS, PROPOSAL AND CONTRACT FOR THE CITY OF LACEY**

#### **HAWKS PRAIRIE RESERVOIR REHABILITATION**

#### **LACEY CONTRACT NO. PW 2021-19**

TO ALL PLAN HOLDERS:

You are hereby notified of the following changes, revisions, deletions, additions, corrections and/or clarifications to the plans, specifications, and contract documents for the *Hawks Prairie Reservoir Rehabilitation* project. This addendum is made part of these contract documents as though it was originally included in the Contract. The Contractor shall note the location of the Addenda Receipt Acknowledgement on Page B-4 of the Contract Proposal.

Issued this 10th day of April 2026.

#### **ADDITIONS, MODIFICATIONS, AND/OR DELETIONS TO THE PLANS AND SPECIFICATIONS**

##### **ITEM NO. 1:**

##### **Specifications Section 1-08.5: Time for Completion**

Replace section 1-08.5: Time for Completion with the following, increasing working days from 180 to 225.

##### **1-08.5 Time for Completion**

**(\*\*\*\*\*)**

This project shall be completed in accordance with the provisions of Section 1-08 of the Standard Specifications within 225 working days.

**ITEM NO. 2:**

**Specifications Section 2-02.1: Removal of Structures and Obstructions Description**

Replace section 2-02.1 with the following, adding Geo-Grid and Reservoir Lower Stairs:

**2-02.1 Description**

(\*\*\*\*\*)

Supplement this section with the following:

The following items plus all materials resulting from incidental work including clearing; grubbing and roadside cleanup shall be removed from the job site, disposed of in a waste site or when noted on the plans or specifications, delivered to the City.

This work consists of but shall not be limited to the following items:

Pavement	Bollards
Sidewalk	Propane Tank(s)
Concrete	Foundations
Curb and Gutter	Fencing
Catch Basins	Manholes
Storm Sewer Pipe	Culverts
Storm Sewer Outfalls	Refuse
Water Pipe	Fire Hydrants
Water Valves and Fittings	Valve Boxes
Meter Boxes	Silt Fence
Trees	Roadside Cleanup
Rocks and Stumps	Air release valves
CMU Wall	Trash Rack
Vaults	Roadside Cleanup
Radio Control Panel	Radio Cable and Conduit
Radio Antennas	Geo-Grid
Reservoir Lower Stairs	

The Contractor shall provide the temporary fencing immediately upon removal of the existing fence and will maintain the temporary fence until the permanent fence is installed.

**ITEM NO. 3:**

**Bid Proposal**

Deleted the Bid Proposal on Sheet B-1 through B-4 and replace it with the attached bid proposal, adding 2 sampling stations.

**ITEM NO. 4:**

**Technical Specification Division 5.51.05**

Deleted the "Related Sections" paragraph referencing section 6.72.23 and 6.72.33.

**ITEM NO. 5:**


**Technical Specification Division 6**

Insert the attached Division 6

**ITEM NO. 6:**

**Technical Specification Division 18**

Replace Division 18 with the attached Division 18



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Scott Egger, P.E.  
Public Works Director

# CITY OF LACEY

## Hawks Prairie Reservoir Rehabilitation

### Addendum No. 2

Lacey Contract Number: PW 2021-19

Federal Aid Project Number: D25-005

WSDOT Contract Number:

TIB Contract Number:

## Contract Proposal

DATE: \_\_\_\_\_

The undersigned, as bidder, has examined the bid documents as prepared by the Public Works Department, City of Lacey.

The undersigned, as bidder, proposes to furnish all material and perform all labor in accordance with the bid documents at the following prices.

Bidder must fill in unit prices in figures for each item and total.

Bidder shall sign this proposal form and submit all required paperwork with the bid.

### A Base Bid - Non-FEMA

No.	Quantity	Unit	Item ID	Item Description	Unit Price	Extended Price
A1	200000	MC	104-010	Minor Change	\$1.00	\$200,000.00
A2	1	LS	105-010	Record Drawing	\$5,000.00	\$5,000.00
A3	1	LS	107-010	SPCC Plan	LUMP SUM	
A4	1	LS	201-010	Clearing and Grubbing	LUMP SUM	
A5	100	CY	203-130	Embankment Compaction		
A6	5000	TN	203-500	Gravel Borrow		
A7	1	LS	205-510	Trench Safety System	LUMP SUM	
A8	1	MGAL	208-510	Dust Control		
A9	10	CY	209-080	Controlled Density Fill		
A10	30000	FA	214-506	Dewatering	\$1.00	\$30,000.00
A11	580	TN	404-010	Crushed Surfacing Base Course		
A12	340	TN	404-020	Crushed Surfacing Top Course		
A13	310	TN	504-011	HMA Cl. 1/2" PG 58H-22		
A14	1	LS	504-610	Preparation of Existing Surfaces	LUMP SUM	
A15	23	LF	704-503	4 Inch Diameter Storm Sewer Pipe		
A16	109	LF	704-505	6 Inch Diameter Storm Sewer Pipe		
A17	478	LF	704-506	6 Inch Diameter Perforated Storm Sewer Pipe		
A18	25	LF	704-512	12 Inch Diameter Storm Sewer Pipe		
A19	75	LF	704-518	18 Inch Diameter Storm Sewer Pipe		
A20	4	EA	704-951	Connect to Existing Manhole		
A21	1	EA	705-215	Catch Basin Type 1L		

A22	2	EA	705-248	Catch Basin Type 2 - 48 In. Diam.		
A23	4	EA	705-920	Raise Manhole to Grade		
A24	210	TN	708-610	Bank Run Gravel for Trench Backfill		
A25	200	TN	708-620	Imported Pipe Bedding		
A26	12	HR	708-810	Utility Potholing		
A27	19	LF	709-507	6 Inch D.I. Water Main		
A28	23	LF	709-512	12 Inch D.I. Water Main		
A29	123	LF	709-516	16 Inch D.I. Water Main		
A30	5	EA	709-950	Connect to Existing Water Main		
A31	1	EA	712-506	6 Inch Gate Valve		
A32	2	EA	712-512	12 Inch Gate Valve		
A33	4	EA	712-517	16 Inch Gate Valve		
A34	3	EA	712-915	Raise Valve Box to Grade		
A35	1	EA	714-510	Hydrant Assembly		
A36	2	EA	715-850	Sampling Station		
A37	1	LS	801-010	ESC Lead	LUMP SUM	
A38	1	AC	801-550	Seeding, Fertilizing, and Mulching		
A39	1	LS	801-680	Erosion/Water Pollution Control	LUMP SUM	
A40	1	LS	802-980	Landscaping	LUMP SUM	
A41	35	LF	804-010	Cement Conc. Traffic Curb and Gutter		
A42	50	LF	812-515	Chain Link Fence Type 3 with Barbed Wire		
A43	64	SY	814-511	Cement Concrete		
A44	220	SF	832-510	Gravity Block Wall		
A45	50	LF	834-510	Temporary Chain Link Fence		
A46	2	EA	850-530	Bollard Type I		
A47	1	LS	850-792	Project Closeout	\$10,000.00	\$10,000.00
A48	1	LS	850-862	Cathodic Protection	LUMP SUM	

Schedule A Subtotal: \_\_\_\_\_

Tax Rate (%) : 9.70 Tax: \_\_\_\_\_

Schedule A Total: \_\_\_\_\_

**B Base Bid - FEMA**

No.	Quantity	Unit	Item ID	Item Description	Unit Price	Extended Price
B1	1	CALC	107-020	Apprenticeship Incentive	\$5,000.00	\$5,000.00
B2	1	CALC	107-025	Apprenticeship Penalty	(\$5,000.00)	(\$5,000.00)
B3	1	LS	109-010	Mobilization	LUMP SUM	
B4	1	LS	202-510	Removal of Structures and Obstructions	LUMP SUM	
B5	200	CY	203-120	Unsuitable Foundation Excavation Incl. Haul		
B6	2500	CY	203-610	Excavation Incl. Haul		
B7	1	LS	850-725	Electrical	LUMP SUM	

B8	1	LS	850-735	Startup	\$20,000.00	\$20,000.00
B9	1	LS	850-850	Reservoir Foundation	LUMP SUM	
B10	1	FA	850-852	Reservoir Column Repair	\$150,000.00	\$150,000.00
B11	1	LS	850-860	Reservoir Mechanical	LUMP SUM	
B12	1	LS	850-875	Reservoir Disinfection	LUMP SUM	
B13	1	LS	850-885	Reservoir Structure	LUMP SUM	
B14	1	LS	850-890	Reservoir Appurtenances	LUMP SUM	

Schedule B Subtotal: \_\_\_\_\_

Tax Rate (%) : 9.70 Tax: \_\_\_\_\_

Schedule B Total: \_\_\_\_\_

**C Alternate #1 - Non-FEMA**

No.	Quantity	Unit	Item ID	Item Description	Unit Price	Extended Price
C1	1	LS	850-867	Reservoir Finishes Replacement (Exterior)	LUMP SUM	
C2	1	LS	850-872	Reservoir Finishes Replacement (Interior)	LUMP SUM	

Schedule C Subtotal: \_\_\_\_\_

Tax Rate (%) : 9.70 Tax: \_\_\_\_\_

Schedule C Total: \_\_\_\_\_

**D Alternate #2 - FEMA**

No.	Quantity	Unit	Item ID	Item Description	Unit Price	Extended Price
D1	1	LS	850-868	Reservoir Finishes Repair (Exterior)	LUMP SUM	
D2	1	LS	850-873	Reservoir Finishes Repair (Interior)	LUMP SUM	

Schedule D Subtotal: \_\_\_\_\_

Tax Rate (%) : 9.70 Tax: \_\_\_\_\_

Schedule D Total: \_\_\_\_\_

**Contract Total:** \_\_\_\_\_

(All Schedules)



# Division 6

## Wood, Plastics, and Composites

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### 6.00 GENERAL

Sections in these specifications titled "*Common Work for . . .*" shall apply to all following subsections whether directly referenced or not.

### 6.05 Common Work for Wood, Plastics, and Composites

*[CSI 06 05 00]*

#### Part 1 - General

##### Submittals

Submittal information shall be provided to the Owner for the following items:

- FRP Data Sheets verifying specification requirements

#### Part 3 - Execution

##### Construction

Provide temporary bracing, such as temporary guys, braces, false-work, cribbing, or other elements, in accordance with the requirements of the "Code of Standard Practice", wherever necessary to accommodate all loads to which the structure may be subjected, including construction loads. Leave bracing in place for as long as required for safety. Securely fasten the work as erection progresses to compensate for all loads during construction.

Perform no permanent fastening until the structure has been properly aligned.

### 6.70 STRUCTURAL COMPOSITES

*[CSI 06 70 00]*

### 6.70.05 Common Work for Structural Composites

*[CSI 06 70 05]*

#### Part 1 – General

##### Related Sections

5.05.23 Bolts and Other Connectors

##### Design Requirements

Fiberglass reinforced plastic (FRP) structural shapes shall be produced using the pultrusion process. Submit mechanical and physical properties (from ASTM coupon specimens) the Owner for approval.

Minimum longitudinal mechanical properties for pultruded structural shapes:			
Property	ASTM Method	Value	Units
Tensile Strength	D-638	30,000 (206)	psi (MPa)

Tensile Modulus	D-638	2.5 x 10 <sup>6</sup> (17.2)	psi (GPa)
Flexural Strength	D-790	30,000 (206)	psi (MPa)
Flexural Modulus	D-790	1.8 x 10 <sup>6</sup> (12.4)	psi (GPa)
Flexural Modulus (Full Section)	N/A	2.8 x 10 <sup>6</sup> (19.3)	psi (GPa)
Short Beam Shear (Transverse)	D-2344	4,500 (31)	psi (MPa)
Shear Modulus (Transverse)	N/A	4.5 x 10 <sup>5</sup> (3.1)	psi (GPa)
Coefficient of Thermal Expansion	D-696	8.0 x 10 <sup>-6</sup>	in/in/°F
		(1.4 x 10 <sup>-6</sup> )	(cm/cm/°C)
Flame Spread	E-84	25 or less	N/A

Seal cut edges and holes according to manufacturer's instructions with a polyester resin compatible with resin matrix of structural shape and corrosion resistance equal or superior to the grating.

All finished surfaces of FRP items and fabrications shall be resin-rich, free of voids, and without dry spots, cracks, crazes, or unreinforced areas. All glass fibers shall be well covered with resin to protect against their exposure due to wear or weathering.

All fiberglass products in contact with potable water shall be NSF approved for potable water contact.

## Part 2 - Products

### Manufacturers

All FRP components equal to that manufactured by Strongwell.

## 6.74.13 Fiberglass Reinforced Plastic (FRP) Grating

*[CSI 06 74 13]*

### Part 1 - General

#### Related Sections

5.53.05 Common Work for Gratings also applies to this specification.

#### Design Requirements

Deflection with a 100 lb/sf distributed load or 500 lb concentrated load (whichever is more stringent) must be less than span length/100, and no more than 0.28-inch.

Gratings shall have tested burn time of less than 30 seconds and an extent of burn rate less than or equal to 10 millimeters per ASTM D635.

Supply a copy of the ICBO report or test report from an independent testing laboratory showing ASTM-E84 flame spread and structural properties, including deflection. Test results must be less than two years old. ASTM-E84 flame spread must be less than 30.

## Part 2 - Products

### Materials

FRP grating with a clear span of 48 inches or less may be molded grating with smooth mold surfaces. All bearing bars and cross-bars of the grating shall be molded at the same time into a one-piece construction.

FRP grating with a clear span of greater than 48 inches shall be pultruded structural load and tie bar components. Form the load bar using continuous strand roving and an outside covered with a continuous strand mat and a UV resistant synthetic surfacing veil. Provide mechanical and bonded intersection between the load and tie bar components. Every end of every load bar must be structurally supported.

Supporting members shall be FRP or stainless-steel structural shapes unless shown otherwise.

### Finishes

Grating bars shall have a skid-resistant walking surface.

All finished surfaces of FRP items and fabrications shall be resin-rich, free of voids and without dry spots, cracks, crazes or unreinforced areas. All glass fibers shall be well covered with resin to protect against their exposure due to wear or weathering.

Seal all cut or damaged edges with a resin sealant of equal or superior corrosion resistance to the grating.

# Division 18

## Measurement and Payment

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### 18.0 GENERAL

- A. It is the intention of these specifications that performance of work under bid items shall result in complete construction, in proper operating condition, of improvements identified in these written specifications and accompanying plans. Work and material not specifically listed in the proposal but required according to the plans and specifications and general practice, shall be included in Contractor's bid price.
- B. These bid items will include all equipment, labor, material, and transportation necessary to complete this work.

### SCHEDULE A – Base Bid (Non-FEMA)

This schedule includes items associated with general construction items.

### SCHEDULE B – Base Bid (FEMA)

This schedule includes items associated with reservoir seismic general construction items.

### SCHEDULE C – Alternate 1 (Non-FEMA)

This schedule includes items associated with finishes replacement and containment.

### SCHEDULE D – Alternate 2 (FEMA)

This schedule includes items associated with finishes repair.

### 850-725 Electrical

The lump sum price shown shall cover the complete cost of providing all labor, materials, equipment and incidentals necessary for the electrical work shown on the Plans and detailed in the specifications. This bid item includes the installation of instrumentation, motor control centers and control panels, site and facility electrical and signal conduits, conductors, junction boxes, handholes, coordination with facility integrator and programmer, and all other electrical work not covered elsewhere. Lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for the automatic control system as shown on the Plans and detailed in the specifications.

### 850-735 Startup

The lump sum price shown shall cover the complete cost of Testing, Start-Up, Operation Demonstration, Appendix H checklist completion and Training and shall include all costs of providing the manufacturer's local representatives who shall be available to attend the testing, start-ups, and operation demonstration of all the equipment, including electrical and telemetry equipment, and to lubricate, monitor, adjust, balance and ensure normal operating function of each piece of equipment as often as required to provide a normal operating system. The lump sum price shall also include all costs incidental to training the Owner's staff on the operation and maintenance of the equipment installed including electrical and telemetry equipment as

part of this Project. A lump sum price of \$20,000 has been included in the Proposal for this work. Any additional costs anticipated or incurred by the Contractor for the work shall be included in the various lump sum and unit price bid items as found in the Proposal. Partial payment will not be allowed.

Payment shall be lump sum.

### 850-850 Reservoir Foundation

The lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for construction of the reservoir foundation modifications as shown on the Plans and detailed in the specifications including foundation, concrete, CDF, rebar, seismic anchors, select backfill, and stainless steel piping through the foundation as shown on the Plans and detailed in the contract specifications.

Payment shall be lump sum.

### 850-852 Reservoir Center Column Repair

The force account price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for the reservoir center column repair. It is unknown what the repairs will include until the roof vent is removed and the column inspected. Once the air vent is removed a structural inspection will be performed and a structural design and/or procedure shall be provided to the contractor for column repair or roof modification installation as necessary.

Payment shall be force account.

### 850-860 Reservoir Mechanical

The lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for the mechanical work shown on the Plans and detailed in the specifications for the reservoir, including piping, check valves, hydraulic control valves, vaults, altitude valve, seismic equipment, pressure relief valves, pressure transducer, pressure gauges, pipe supports, valves, air vacuum release valves, flow meters, chlorine/pH/temperature analyzer, reservoir sample lines within the existing booster pump station, board, and drain piping, and all mechanical work and equipment not listed in the other bid items. For the reservoir inlet vault, components downstream of the vault inlet mechanical seal are to be included in this bid item. For the reservoir outlet vault, components upstream of and including the expansion joint are to be included.

Payment shall be lump sum.

### 850-862 Cathodic Protection

Lump sum price shown shall cover the complete cost of providing all materials, equipment and labor necessary for installing impressed current and galvanic cathodic protection systems at Hawks Prairie Standpipe Reservoir complete as shown on the Plans and detailed in the contract specifications including startup and testing.

Payment shall be lump sum.

### 850-867 & 850-868 Reservoir Finishes (Exterior)

The lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for the finish work on the reservoir as shown on the Plans and detailed in the specifications, including all exterior coating of the reservoir. Price shall also include all labor and equipment necessary for containment of the reservoir exterior to protect the environment and general public from air pollution and provide a suitable environment for surface preparation, application of coating and curing. Price shall also include removal of containment after finishes are complete and approved by the coating inspector as detailed in the technical specifications Division 9.

Payment shall be lump sum.

### 850-872 & 850-873 Reservoir Finishes (Interior)

The lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for the finish work on the reservoir as shown on the Plans and detailed in the specifications, including all interior coating of the reservoir.

Payment shall be lump sum.

### 850-875 Reservoir Disinfection

The lump sum shall cover the complete cost of providing all labor, materials, and equipment necessary for the reservoir testing and disinfection as identified in Division 1.75.16.50 Reservoir Testing and Disinfection.

Payment shall be lump sum.

### 850-885 Reservoir Structure

The lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for modifications of the reservoir floor, shell and roof as shown on the Plans and detailed in the specifications including floor, shell, roof, interior column, roof supports, and other structural support members, as shown on the Plans and detailed in the contract specifications.

Payment shall be lump sum.

### 850-890 Reservoir Appurtenances

The lump sum price shown shall cover the complete cost of providing all labor, materials, and equipment necessary for construction of the reservoir appurtenances as shown on the Plans and detailed in the specifications including major and minor piping, platforms, access hatches, security fence, stairs, air vent, ladders, riser pipes, and all appurtenances as shown on the Plans and detailed in the contract specifications.

Payment shall be lump sum.