

ADDENDUM 3

LANG IMPOUNDMENT DIKE REHABILITATION
PORT PENN, DELAWARE
CONTRACT # NAT201601/LANG.IMPOUNDMENT

This addendum changes the requirements for the Refurbishment of the Water Control Structure under 35 00 80 Waterway and Marine Construction.

The changes affect the following pages: page 00 41 00-2 (Bid Form, ALTERNATE No. 3); page 00 41 00-3 (Bid Form, UNIT PRICE No. 4); page 01 20 -4 (Refurbishment of Water Control Structure); page 35 00 80-2 (sub-section 1.3.3); and page 35 00 80-4 (sub-section 1.4.3). **Updated affected Bid Form pages located at the end of this addendum.**

BID FORM **Page 00 41 00-2 (change)**

ALTERNATE No. 3: Refurbishment of the water control structure appurtenances including: painting of existing sheet pile wing walls. Also, repairs to existing concrete structures that have been spalled and/or cracked, including the existing concrete caps along the wing walls and weir structure, as well as potential repairs to the concrete base. The refurbishment and repairs are based on the quantities provided below:

<u>CONSTRUCTION ITEM</u>	<u>QUANTITY</u>
Refurbishment of Water Control Structure Appurtenances	1 (Lump Sum)
Repairs/patching to existing concrete structures	15 (cubic feet)

BID FORM **Page 00 41 00-3 (change)**

UNIT PRICES

Unit prices conform to applicable project specification section. Refer to the specifications for a complete description of the following Unit Prices:

	ADD	DEDUCT
UNIT PRICE No. 1: <u>Dike Fill - Base Bid (Dry Tons)</u>	\$ _____	\$ _____
UNIT PRICE No. 2: <u>Dike Fill – Alternate No. 1 (Dry Tons)</u>	\$ _____	\$ _____
UNIT PRICE No. 3: <u>Crusher Run – Alternate No. 2 (Dry Tons)</u>	\$ _____	\$ _____
UNIT PRICE No. 4: <u>Repairs to existing concrete structures – Alternate No. 3 (Cubic Ft)</u>	\$ _____	\$ _____
UNIT PRICE No. 5: <u>Riprap Slope Protection – Alternate No. 4 (Dry Tons)</u>	\$ _____	\$ _____
UNIT PRICE No. 6: <u>Chain Link Fence - Base Bid (Linear Feet)</u>	\$ _____	\$ _____
UNIT PRICE No. 7: <u>Precast Concrete Block Wall - Alternate No. 1 (Linear Feet)</u>	\$ _____	\$ _____
UNIT PRICE No. 8: <u>Seeding and Mulching – Base Bid (Square Yards)</u>	\$ _____	\$ _____
UNIT PRICE No. 9: <u>Seeding and Mulching – Alternate No. 1 (Square Yards)</u>	\$ _____	\$ _____

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TECHNICAL SPECIFICATIONS

SECTION – PRICE AND PAYMENT PROCEDURES

Page 01 20 00 – 4 (change)

1.3 REFURBISHMENT OF WATER CONTROL STRUCTURE

1.3.1 GENERAL

The Contract prices per unit for the water control structure will include installation and operation of dewatering measures (such as cofferdams, pumping system, etc.), removal and disposal of the existing structure components, concrete rehabilitation and repairs/patching to existing concrete caps and potential repairs/patching to existing concrete base, painting of both steel sheet pile wing walls, installation of the new structure components, and removal of the cofferdams and dewatering system, as specified in the Technical Specifications.

1.3.2 MEASUREMENT

Refurbishment of the Water Control Structure shall be measured for payment at the Contract unit Prices and/or Lump Sums, as specified in the bid form.

1.3.3 PAYMENT

Payment shall be made at the Contract unit prices, as specified in the bid form.

SECTION – WATERWAY AND MARINE CONSTRUCTION

Page 35 00 80 – 2 (change)

1.3.3. WING WALL CONCRETE CAP AND CONCRETE WEIR DESIGN/CONSTRUCTION

The work under this section includes the rehabilitation of the wing wall concrete cap and the concrete weir wall.

SECTION – WATERWAY AND MARINE CONSTRUCTION

Page 35 00 80 – 4 (change)

1.3.3.1. DESIGN

The wing wall concrete cap and concrete weir shall be designed by a licensed professional engineer. The wing wall concrete cap shall be designed to replace the existing cap in kind, including removal of the existing cap and secure attachment of the new cap to the existing sheet pile wing wall. The concrete weir shall be designed as a replacement of the existing weir timbers within the H beam channels. The design shall include a full set of plans and specifications, and signed and sealed, to be submitted to the Engineer for approval prior to the start of construction. The specifications shall include appropriate safety, quality control, testing and inspection protocols. All aspects of the design shall conform to the DelDOT Standard Specifications for Road and Bridge Construction unless otherwise justified by the design engineer. Note that approval of submittals by the Engineer shall not be construed as relieving the design engineer or the Contractor from responsibility for compliance with the specifications nor from responsibility of errors of any sort in the submittals.

1.3.3.2. CONSTRUCTION

The wing wall concrete cap and concrete weir shall be constructed in accordance with the approved design plans and specifications and in accordance with these specifications.

1.4.3. DESIGN OF REPAIRS AND REFURBISHMENT

Upon written notice from the Owner, the Contractor shall proceed with retaining a design engineer to design the wing wall cap replacement and/or the concrete weir. Following acceptance of the plans and specifications by the Engineer, the Contractor will be given written notice by the Owner to proceed with the repairs.

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ALTERNATES

Alternate prices conform to applicable project specification section. Refer to specifications for a complete description of the following Alternates. These Alternates may be added to the Base Bid in any combination.

ALTERNATE No. 1: Raise the Crown elevation from 8.5' NAVD88 to 9.5' between Sta. 0+00 and Sta. 25+00, including precast concrete block walls, and additional seeding and mulching based on the quantities provided below:

<u>CONSTRUCTION ITEM</u>	<u>QUANTITY</u>
Dike Fill	7,832 (Dry Tons)
Precast Concrete Block Wall	35 (Linear Feet)
Seeding and Mulching	1,740 (Square Yards)

ALTERNATE NO. 1: _____
(\$ _____)

ALTERNATE No. 2: Include a 14' wide, 8" thick layer of Crusher Run on the dike crown from Sta. 0+00 to Sta. 40+95 based on the quantities provided below:

<u>CONSTRUCTION ITEM</u>	<u>QUANTITY</u>
Crusher Run	2,111 (Dry Tons)

ALTERNATE NO. 2: _____
(\$ _____)

ALTERNATE No. 3: Refurbishment of the water control structure appurtenances including: painting of existing sheet pile wing walls. Also, repairs to existing concrete structures that have been spalled and/or cracked, including the existing concrete caps along the wing walls and weir structure, as well as potential repairs to the concrete base. The refurbishment and repairs are based on the quantities provided below:

<u>CONSTRUCTION ITEM</u>	<u>QUANTITY</u>
Refurbishment of Water Control Structure Appurtenances	1 (Lump Sum)
Repairs/patching to existing concrete structures	15 (cubic feet)

ALTERNATE NO. 3: _____
(\$ _____)

ALTERNATE No. 4: Provide additional riprap to repair and improve the existing shore protection along the exterior of the dike between approximate Sta. 6+00 and Sta. 14+00, adjacent to the Delaware River based on the quantities provided below:

<u>CONSTRUCTION ITEM</u>	<u>QUANTITY</u>
Riprap Slope Protection	400 (Dry Tons)

ALTERNATE NO. 4: _____
(\$ _____)

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UNIT PRICES

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BID FORM

SUBCONTRACTOR LIST

In accordance with Title 29, Chapter 6962 (d)(10)b Delaware Code, the following sub-contractor listing must accompany the bid submittal. The name and address of the sub-contractor **must be listed for each category** where the bidder intends to use a sub-contractor to perform that category of work. In order to provide full disclosure and acceptance of the bid by the *Owner*, **it is required that bidders list themselves as being the sub-contractor for all categories where he/she is qualified and intends to perform such work.** This form must be filled out completely with no additions or deletions. **Note that all subcontractors listed below must have a signed Affidavit of Employee Drug Testing Program included with this bid.**

Subcontractor Category	Subcontractor	Address (City & State)	Subcontractors tax payer ID # or Delaware Business license #
1. Aggregate/Fill	_____	_____	_____
2. Trucking	_____	_____	_____
3. Seeding/Mulching	_____	_____	_____
4. Surveyor	_____	_____	_____
5. Geotech/Compaction	_____	_____	_____