



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

January 5, 2022

ADDENDUM # 1

To: Plan Holders

From: Joshua B. Deyton, P.E.
Division Project Team Lead



RE: **Inclusion of Omitted Pages in the Roadway Section of the Proposal, Additional Pay Items and Quantities**
Contract ID: DN00709
County: Swain
Letting Date: January 11, 2022

The above contract has experienced the following revisions:

1. Pages **G-46** through **G-53** of the proposal were inadvertently left blank. **The intended pages have been added.** Please see the attached pages.
2. The following pay items and quantities have been added:
 - a. **0008000000-E Supplementary Clearing & Grubbing at 1 ACR.**
 - b. **0057000000-E Undercut Excavation at 1,200 CY.**
 - c. **6132000000-N Generic Erosion Control Item - Fabric Insert Inlet Protection Device at 24 EA.**
 - d. **6132000000-N Generic Erosion Control Item - Fabric Insert Inlet Protection Device Cleanout at 96 EA.**

Please see the attached revised bid item sheet # T-9.

Please access ebsx addenda files on Bid Express®.

Thank you for your attention to this matter.

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Kimley»»Horn
 421 Fayetteville Street, Suite 600, Raleigh, NC 27601

(seal) 11/19/2021

BOLLARDS:

SP (Kimley-Horn and Associates, Inc)

Description

Provide labor, material, equipment, related services, and supervision required to install all items associated with the bollards as required for the complete performance of the work and as shown on the Construction Documents.

Materials

Fixed bollards shall be fabricated from galvanized steel in accordance with the details shown in the plans.

Construction Methods

Anchors shall be placed in concrete in accordance with the applicable requirements of Section 825 of the Standard Specifications. All fabrication shall be completed prior to galvanization. Repair of galvanizing shall be in accordance with Section 1076 of the Standard Specifications.

Measurement and Payment

The quantity of bollards will be the actual number of "Fixed Steel Bollard" placed and accepted. The unit price will include all materials, fabrication, shipping, excavation, concrete, anchors, backfill, and all other incidentals required to complete the placement of each bollard.

The quantity of bollards, measured as described above, will be paid for at the contract unit price for:

Pay Item	Pay Unit
Fixed Steel Bollard	Each

BRICK PAVERS:

SP (Kimley-Horn and Associates, Inc)

Description

1.1 SUMMARY

The Contractor shall provide unit pavers per the project plans and details and as noted in this special provision section.

1.2 SUBMITTALS

General: Submit the following according to Conditions of the Contract and Division Specification Sections.

1. Contractor shall submit unit paver samples and manufacturer's specifications sheet for each paver color and style specified for approval prior to construction.
2. Polymeric Joint Sand Stabilizer
3. Expansion joint sealants
4. Metal edge restraints
5. Base Materials
6. Installer's Qualifications

1.3 PRODUCT DELIVERY

- A. Unit Pavers shall be delivered to the project site on pallets constructed with non-staining and non-discoloring materials. Materials shall be stacked off the ground and protected from damage and soiling.
- B. Limitations
 1. Contractor shall not proceed with unit paver construction until underground utility construction is complete.
 2. Contractor shall not proceed with unit paver construction until adjacent or adjoining curb, walk, drives, and/or concrete walk construction is complete.
 3. Requirements regarding domestic steel, Section 106-1(B) in the 2018 Standard Specifications, apply to this project special provision.

1.4 GUARANTEE

- A. The Contractor shall guarantee the unit paving for a period of one year from the date of final approval. The guarantee shall cover all defects including settling, heaving, shifting, spalling, cracking and efflorescence.
- B. The Contractor shall repair the unit paving section deemed unsatisfactory within 14 days of notification.

1.5 QUALITY ASSURANCE:

- A. Installer Qualifications: An experienced installer who has completed unit paver installations similar in material, design, and extent to that is indicated for this Project and whose work has resulted in construction with a record of successful performance.

- B. Source Limitations: Obtain each type of unit paver, and setting material from one source with resources to provide materials and products of consistent quality in appearance and physical properties.

Materials

- 2.1 Aggregate base course shall be NCDOT type coarse aggregate base course (CABC) in accordance with Section 520.
- 2.2 Sand Setting Bed shall be fine aggregate in accordance with ANSI/ASTM C 33-77.
- 2.3 Bituminous Setting Bed shall meet Section 610 for Asphalt Concrete Base Course, Type B25.0C.
- 2.4 Geotextile Fabric - NCDOT Non-woven, 4 oz., used as a separation fabric in accordance with Section 1056.
- 2.5 Polymeric Joint Sand: Sand properties and gradation conforming to ASTM C-136 using gradation specifications either C-33 or C-144 or combination of both. Sand shall not contain either shale, stone dust screening or light weight aggregates.
- 2.6 Sealant: In Protective Sealant by Techni-seal Inc. (1-800-465-7325) or approved equal. Sealant to be invisible, water based for protection against oil, grease and water.
- 2.7 Edge Restraint: Edgepro, or approved equal, sized to restrain brick pavers and meet flush with adjacent grade
- 2.8 Unit Paver
- A. Brick 'B' - Pedestrian
Type: Brick Paver
Finish: Beveled edge
Size: 3-5/8" x 7-5/8" x 2 1/4"
Color: English Edge Full Range
Pattern: Per plans (Herringbone, Running bond)
Manufacturer: Pine Hall Brick, 1-800-334-8689 or approved equal

Construction Methods

3.1 EXAMINATION

Examine substrate surfaces to receive Unit Pavers, and associated work and conditions under which work will be installed. Do not proceed until unsatisfactory conditions have been corrected in a manner complying with the Contract Documents and acceptable to the Installer. Starting of work within a particular area will be construed as installer's acceptance of surface conditions.

3.2 PROTECTION AND RESTORATION

- A. Protect completed unit paver walks, from damage. Cover completed construction, subject to continued movement of installation personnel, equipment or materials, with plywood panels to protect paver alignment and prevent depressions.

- B. Restore damaged unit paver walks as directed by the City.
- C. The Contractor shall install unit pavers per manufacturer's recommendations. Discrepancies between this specification and manufacturer's recommendation, if any, shall be resolved in advance of installation and agreed to by the City.

3.3 SUBGRADE PREPARATION

- A. The Contractor shall verify subgrade elevations and correct discrepancies before proceeding with construction.
- B. The Contractor shall verify casting elevations and reset or adjust to meet flush with finished walk surface.
- C. Base course shall not be placed on frozen or muddy subgrade.
- D. Proof-roll prepared subgrade surface to check for unstable areas and areas requiring additional compaction. Proceed with unit paver installation only after deficient subgrades have been corrected and are ready to receive subbase for unit pavers.

3.4 BRICK PAVERS

A. GENERAL INSTALLATION

1. Do not use pavers with chips, cracks, voids, discolorations, and other defects that might be visible or cause staining in finished work.
2. Mix pavers from several pallets or cubes, as they are placed, to produce uniform blend of colors and textures.
3. Cut unit pavers with motor-driven masonry wet-saw equipment to provide clean, sharp, unchipped edges. Cut units to provide pattern indicated and to fit adjoining work neatly. Use full units without cutting where possible. Hammer or guillotine cuts are acceptable.
4. Tolerances: Do not exceed 1-32-inch unit-to-unit offset from flush (lippage) nor 1/8 inch in 10 feet from level, or indicated slope, for finished surface of paving.

B. SUBGRADE:

Compact subgrade to not less than 100% of the standard proctor maximum dry density at +/-2% of the optimum moisture content.

C. BASE COURSE

1. Place base course material on prepared subgrade, in 4 Inch maximum lifts, to depth required to produce compacted thickness indicated. See plans for required base and subgrade depth.
2. Shape material, to sections and elevations indicated, and compact to 100% of AASHTO T-180 (as modified by NCDOT).

D. SAND SETTING BED APPLICATIONS

1. Place, spread, and screed setting bed over geotextile fabric. Compact to depth shown in drawings.
2. Install unit pavers in colors and patterns as detailed on plans.
3. Set each unit paver with tight butting joints.
4. Tamp unit pavers to setting bed compacted thickness indicated, assuring solid bedding so brick pavers do not rock after laying.
5. Lay unit pavers true to grade allowing for positive drainage throughout 1/16-inch maximum deflection allowable at each brick paver. Unit pavers shall be flush with all surrounding concrete sidewalks and curbs.
6. Polymeric Sand Joint Treatment
 - a. Mix joint sand and organic joint sand stabilizer per manufacturer's recommendations.
 - b. Place joint sand/organic joint sand stabilizer mix over unit paver surfaces and sweep to completely fill joint voids and vibrate with a plate-type compaction until all joints are full. Joints shall be filled all the way to the bottom of the chamber on the brick pavers.
7. Where indicated on drawings, Contractor shall install new unit pavers flush against concrete sidewalks and poured curb and gutter sections and in accordance with the details contained in the drawings. Under no circumstances shall the top of the unit pavers exceed or extend beyond the top surface of these surfaces.

E. BITUMINOUS SETTING BED APPLICATIONS

1. Place, spread, and screed setting bed over geotextile fabric in accordance with Section 610 for Asphalt Concrete Base Course, Type B25.0C. Compact to depth shown in drawings.
2. Install unit pavers in colors and patterns as detailed on plans.
3. Set each unit paver with tight butting joints.
4. Tamp unit pavers to setting bed compacted thickness indicated, assuring solid bedding so brick pavers do not rock after laying.
5. Lay unit pavers true to grade allowing for positive drainage throughout 1/16-inch maximum deflection allowable at each brick paver. Unit pavers shall be flush with all surrounding concrete sidewalks and curbs.
6. Polymeric Sand Joint Treatment
 - a. Mix joint sand and organic joint sand stabilizer per manufacturer's recommendations.
 - b. Place joint sand/organic joint sand stabilizer mix over unit paver surfaces and sweep to completely fill joint voids and vibrate with a plate-type compaction until all joints are full. Joints shall be filled all the way to the bottom of the chamber on the brick pavers.
7. Where indicated on drawings, Contractor shall install new unit pavers flush against concrete edge of crosswalks and in accordance with the details contained in the drawings. Under no circumstances shall the top of the unit pavers exceed or extend beyond the top surface of these surfaces.

F. ORGANIC SAND STABILIZER

Contractor shall install joint sand stabilizer per manufacturer's recommendations for

blending with joint sand material, application into brick pavers, and activation of bedding mix.

3.5 CAULK JOINTS

Caulk joints where brick pavers are placed adjacent to existing building, walls, and other structures.

3.6 CLEANING

- A. Remove and replace brick pavers which are loose, broken, stained or otherwise damaged or do not match adjoining units as intended. Provide new matching brick pavers, install as specified.
- B. Clean all residues on surface of brick if joint stabilizer emulsifies on brick paver surface. Remove emulsion by manufacturer’s recommendations.
- C. Clean brick pavers not less than six days after completion of work, using clean water and stiff-bristle brushes. Do not use high pressure washer, wire brushes, acid type cleaning agents or other cleaning compounds with caustic or harsh fillers.
- D. Cleaning agents and methods shall be acceptable to the City.
- E. Upon completion of the work, remove from site all excess materials, debris, tools, and equipment. Repair damage resulting from work operations.

Measurement and Payment

The quantity of unit pavers will be paid for at the contract unit price per square yard for “Generic Paving Item –Brick Sidewalk Pavers”, and which price will be full compensation for all labor, materials (brick pavers, concrete slab, setting bed, tack coat, weep holes, drainage stone), equipment, tools, and any incidentals necessary to excavate, furnish, and install the new brick pavers and supporting substructures.

Payment will be made under:

Pay Item	Pay Unit
Brick Sidewalk Pavers	Square Yard

REMOVE AND RESET EXISTING WHEEL STOP:

SP (Kimley-Horn and Associates, Inc)

Description

The Work covered in this section consists of resetting existing wheel stops, where specified in the plans.

Materials

Materials shall include any materials necessary to remove and relocate the existing wheel stop.

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The Contractor may select the materials he deems necessary to complete the Work in accordance with this specification. The materials shall be subject to the approval of the Engineer.

Construction Methods

The Contractor shall be responsible for reviewing for himself the existing wheel stops. The appearance of the existing wheel stops may be documented through sketches, photographs, videography, etc.

The Contractor shall take measures to remove and relocate the wheel stop, without damage to the wheel stop.

Measurement and Payment

The quantity of "Remove and Reset Existing Wheel Stop" to be paid for per each wheel stop relocated and accepted. All work consisting of, but not limited to, removing and relocating the existing wheel stop and all material, time, and labor costs associated will be considered incidental to the work.

Payment will be made under:

Pay Item	Pay Unit
Remove and Reset Existing Wheel Stop	Each

REMOVE EXISTING FENCE:

The Work covered in this section consists of removing existing fence, where specified in the plans.

Remove fence from the location indicated on the plans or were directed by the engineer. The work includes but is not limited to removing the posts and fence along with any foundation needed to remove all remnants from the Right-of-Way.

CONSTRUCTION METHODS

Remove the existing fence from the location indicated on the plans or were directed by the engineer. The work includes but is not limited to removing the posts and fence along with any foundation needed to remove all remnants from the Right-of-Way

METHOD OF MEASUREMENT

The quantity of post and fence reset to be paid for will be the linear feet of fence removed on the project.

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BASIS OF PAYMENT

The quantity of post and fence, measured as provided above, will be paid for at the contract unit price per linear foot of "Remove Existing Fence -L1- 19+98 (RT)". The above price and payment will be full compensation for all work covered by this section including but not limited to removing, hauling, and re-erecting the existing fence; and furnishing and installing any fence components unnecessarily damaged by the Contractor's forces.

Pay Item	Pay Unit
Remove Existing Fence -L1- 19+98 (RT).....	Linear Feet

County : Swain

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0142	7642200000-N	1743	TYPE II PEDESTAL WITH FOUNDATION	6	EA	
0143	7684000000-N	1750	SIGNAL CABINET FOUNDATION	1	EA	
0144	7756000000-N	1751	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	1	EA	
0145	7780000000-N	1751	DETECTOR CARD (TYPE 2070L)	4	EA	
0146	7901000000-N	1753	CABINET BASE EXTENDER	1	EA	
0147	7980000000-N	SP	GENERIC SIGNAL ITEM POWDER COAT FOR METAL POLE SINGLE MAST ARM	1	EA	
0148	7980000000-N	SP	GENERIC SIGNAL ITEM POWDER COAT FOR PEDESTAL	6	EA	
0149	7980000000-N	SP	GENERIC SIGNAL ITEM POWDER COAT FOR PUSH BUTTON POST	1	EA	
150	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUBBING	1	ACR	
151	0057000000-E	226	UNDERCUT EXCAVATION	1,200	CY	
152	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT PROTECTION DEVICE	24	EA	
153	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT PROTECTION DEVICE CLEANOUT	96	EA	

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Total Amount Of Bid For Entire Project :