

August 2, 2019
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA

Y19-783-EB / ADDENDUM # 1
NORTH LAKE MANN NEIGHBORHOOD SIDEWALK CONSTRUCTION

Bid Opening Date: August 20, 2019

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

- A. Part D, Page D-3, Schedule of Prices is hereby replaced with attached "Revised-Page D-3".
- B. The following Technical Provisions are deleted in their entirety in Part H of this IFB and replaced with the attached revised technical provisions dated August 2, 2019
- TP 110 – Clearing and Grubbing
 - TP 120 – Excavation, Embankment and Grading
 - TP515 – Pipe Guiderail
 - TP 522 – Concrete Sidewalks, 4 inch and 6 inch Thickness
- C. All other terms and conditions of the IFB remain the same.
- D. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.

Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

SCHEDULE OF PRICES
Y19-783-EB
NORTH LAKE MANN NEIGHBORHOOD SIDEWALK CONSTRUCTION
Revised August 2, 2019

No.	Item	Description	Unit	Quantity	Unit Price	Total
1	101-1	MOBILIZATION	LS	1		
2	102-1	MAINTENANCE OF TRAFFIC	LS	1		
3	104-14	PREVENTION, CONTROL & ABATEMENT OF EROSION & WATER POLLUTION	LS	1		
4	110-1-1	CLEARING & GRUBBING	LS	1		
5	120-4	SUBSOIL EXCAVATION	CY	100		
6	120-9	EXCAVATION, EMBANKMENT AND GRADING	LS	1		
7	425-1-910	INLETS, CLOSED FLUME	EA	3		
8	515-2-211	PEDESTRIAN/ BICYCLE RAILING, STEEL, 42", PICKET RAIL	LF	210		
9	522-1	CONCRETE SIDEWALK, 4" THICK	SY	1,403		
10	522-2	CONCRETE DRIVEWAY, 6" THICK	SY	418		
11	570-1-2	PERFORMANCE TURF (SOD) (BAHIA)	SY	1,167		
12	700-1-11	SINGLE POST SIGN, F&I, <12SF	AS	4		
13	711-14-123	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 12"	LF	354		
14	711-14-125	THERMOPLASTIC, PREFORMED, WHITE, SOLID, 24"	LF	271		
15	900-2	INDEMNIFICATION	LS	1	\$100.00	\$100.00

ESTIMATED TOTAL BASE BID
(Total of items 1 thru 15)

PART H
TECHNICAL PROVISIONS
NORTH LAKE MANN NEIGHBORHOOD
SIDEWALK CONSTRUCTION

TP 110
CLEARING AND GRUBBING

CLEARING AND GRUBBING

All clearing and grubbing shall be performed in accordance with the requirements of **Section 110** of the Standard Specifications, except as directed by the Engineer.

Scope of work to include but not be limited to, the removal of all rigid, asphalt pavement, Portland cement concrete pavement, curb, curb and gutter, ditch pavement, sidewalk, driveway aprons, concrete slabs, concrete structures, brick, , fences, gravity walls, retaining walls, pipes, etc.

Clearing and Grubbing shall also include the removal of existing pavement and base course and backfilling with suitable material, as shown in the construction plans. Removal of the existing roadway shall also include the proper disposal of the removed materials as specified above.

Tree removal, tree grinding and curb and gutter removal to accommodate curb ramps shall be included in this pay item.

Basis of Payment

All work and incidental costs required to perform clearing and grubbing as herein specified will be paid for at the contract lump sum price.

Payment shall be made under:

Pay Item 110-1-1 Clearing and Grubbing LS

TP 120
EXCAVATION, EMBANKMENT AND GRADING

All excavation and embankment work shall conform to the requirements of Section 120 of the "Standard Specifications", and the provisions of this section, except as directed by the Engineer.

Basis of Payment

Subsoil Excavation will be paid for at the contract price per cubic yard.

Payment shall constitute full compensation for all work described herein and in the Special Provisions and shall include the excavation and disposal of muck, clay, rock, or any other material that is unsuitable in its original position and that is excavated below the finished grading template. Work under this pay item shall also include the excavation of all suitable material within the specified limits as necessary to excavate the unsuitable material. The bottom of the finished grading template shall be considered to be the top of the finished base, shoulders, and slopes for stabilized bases and the finished shoulder and slope lines and bottom of base or rigid pavement for rigid pavement or all other bases. Payment shall also include the provision, placement, shaping, and compaction of suitable backfill material to replace the removed unsuitable material up to the original grade line or to the bottom of the proposed roadway base material, whichever is lower.

The limits of Subsoil Excavation indicated in the construction plans are considered to be particularly variable, in accordance with field conditions actually encountered.

Excavation, Embankment and Grading will be paid for at the contract lump sum price.

Payment shall constitute full compensation for all work described herein and in the Special Provisions and shall include grading of shoulders, graded road connections, slopes, compaction, final dressing, subsoil excavation, replacement material and all work required for completing the project that is not paid for under the other pay items. Also included are removals and off-site disposal or on-site utilization of all materials, structures, abandoned utilities and obstructions as directed by the Engineer.

Payment shall be made under:

Item No. 120-4 Subsoil Excavation – C.Y

Item No. 120-9 Excavation Embankment and Grading – L.S

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Addendum No. 1
Technical Provision 120
Revised August 2, 2019

TP 515
Pedestrian/Bicycle Railings, Guiderails, and Handrails

PEDESTRIAN BICYCLE RAILING

Construction of Pedestrian Bicycle Railings shall conform to the requirements of **FDOT Design Standards Index 852 (Steel Pedestrian Railing) and 862 (Aluminum Pedestrian/Bicycle Railing)** and this Technical Provision, except as directed by the Engineer.

Method of Measurement

Quantities measured for payment under this Section shall be the linear feet of two-rail or three rail guiderail measured in place along the length of the top rail and shall include rails, posts, thickened edge sidewalk, rail splice assemblies, base plates, anchor bolts, nuts, washers, resilient or neoprene pads and all incidental materials and labor required to complete installation.

Basis of Payment

Pedestrian Bicycle Railings will be paid for at the contract unit price per linear foot completed and accepted.

Payment shall be made under:

Pay Item:

515-2-211	Pedestrian Bicycle Railing, Steel, 42", Picket Rail	L.F
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Addendum No. 1
Technical Provision 515
Revised August 2, 2019

TP 522
Concrete Sidewalks, 4 inch thickness; Concrete Driveways,
6-inch thickness

CONCRETE SIDEWALKS, 4 INCH AND 6 INCH THICKNESS

Construction of 4-inch thick concrete sidewalk and 6-inch thick concrete driveway shall conform to the requirements of Section 522 of the “Standard Specifications”, and Indexes 304 and 310 of the FDOT Design Standards, except as directed by the Engineer.

Foundation

Foundation material shall meet the specified densities and shall be thoroughly wetted but free of standing water just prior to placing concrete.

Contraction Joints

Contraction joints shall be sawed. All joints shall be straight lines oriented at 90 degrees to the edge of sidewalk, radially if in a curve, or as directed otherwise. The minimum depth of joints shall be 1 1/2 inches or 1/4 the nominal thickness of concrete placed, whichever is greater.

Joint installation shall proceed in the same direction and sequence as the concrete placement. Sawing shall begin as soon as the concrete has hardened to the degree that excessive raveling will not occur. Every third transverse joint and all longitudinal joints shall be sawcut within 8 hours after finishing. Remaining transverse joints, shall be sawcut by noon the following day.

Construction Joints

Construction joints shall be constructed at the end of all pours and at other locations where the concrete placement operations are stopped for as long as 30 minutes. They shall be placed at least 10 feet from any other transverse construction joint or end of pavement section.

Metal keyways shall be installed at all construction joints in sidewalks 6-inches and greater in thickness. Concrete thickness shall be increased by 2-inches for a minimum distance of 6-inches either side of construction joints.

Curing

Concrete shall be cured as provided in Section 520 8, except as modified herein. Curing material shall be applied to the concrete surfaces after finishing as soon as the concrete has hardened sufficiently to prevent marring the surface or within one hour after finishing is completed, whichever occurs first. Applying curing materials shall not be held up due to other activities on the project. Contractor shall schedule and provide manpower necessary to conform to these requirements.

Spraying equipment, including spray tip and nozzle, shall be as recommended by the manufacturers' printed literature, or an acceptable equal

Equipment shall be maintained and nozzles replaced as required to provide a consistently uniform spray pattern.

A uniform coating meeting the manufacturer's recommended minimum application rate shall be applied. Areas appearing to have insufficient curing compound, as determined solely by the County, shall be re-coated immediately to provide the required uniform coverage.

Storage containers having greater than a five gallon capacity may be utilized only with prior approval of the Engineer. The Contractor shall submit the manufacturer's descriptive literature describing the placement, storage and mixing requirements for storage exceeding five gallons. The Contractor shall provide and utilize mechanical mixers for all containers larger than five gallons. The mixers shall be equivalent to or exceed the manufacture's requirements.

The Contractor shall conform to all storage, mixing and application requirements.

Replacement

Where 6-inch concrete has to be replaced due to cracks, it shall be replaced with a uniform thickness of 8-inch concrete covering no less than 40 square feet and extending to existing sawed contraction joints. Replacement concrete shall extend at least 3-inches beneath existing concrete at a minimum thickness of 3-inches.

Method of Measurement

Quantities measured for payment under this Section shall be the actual area in square yards of concrete constructed in place.

Basis of Payment

Concrete Sidewalk including ramps, detectable warning surfaces (armor tiled domes) and driveways will be paid for at the contract unit prices, completed and accepted. Payment shall constitute full compensation for all work described herein, and shall include all labor, equipment, materials, clearing and grubbing, excavation, grading, compaction, expansion material (asphalt impregnated), and all incidentals necessary to complete the work to the lines, grades, and thickness indicated on the plans.

Subgrade preparation and additional concrete required for thickened slabs as indicated on the plans or as directed by the Engineer shall be included in the contract unit price for 6-inch Concrete Sidewalk.

Curb and gutter replacement to accommodate curb ramps and or driveways shall be included in the following pay items.

Payment shall be made under:

Pay Item:

522-1 Concrete Sidewalk, (4" Thick)	SY
522-2 Concrete Driveway, (6" Thick)	SY