## NOTES:

- 1. Crown Dripline Protection Zone: Extends in all directions from trunk of tree to a distance equal to one foot per inch of trunk diameter at breast height.
- 2. Staging, storage, dumping, washing and operation of equipment is not permitted within the limits of the tree protection barrier, including during barrier installation.
- 3. Install all tree protection prior to commencement of construction and remove when directed by the engineer. Maintain protection at all times.
- 4. For closely spaced groups of trees, place the tree protection barrier around the entire group.
- 5. Inspect trunk protection and tree quarterly to prevent girdling. Adjust bands to allow tree growth as needed.
- 6. See plans for any additional requirements or modifications within the tree protection area.
- 7. Place weather resistant sign every 50' along the barrier, with 6" minimum text height and provide text in English and Spanish. Sign should read " Keep Out Tree Protection Area".
- 8. Alternate tree protection systems approved by the Engineer may be used in lieu of the tree pretection barrier detailed on this Index.

Weather Resistant Sign (See Note #7)

4' Minimum Barrier Height -

Install At Depth Sufficient

To Maintain Taut Barrier

4' Minimum Depth

See Note #1 X' 1 8  $\bigcap$ Post Tree Protection Barrier Tree Trunk Crown Dripline Crown Dripline Protection Zone PLAN Place Burlap Between The Boards And Crown Dripline (See Plans For Barrier Alignment) The Trunk Bands (3 Minimum) 2" x 4" Boards To Form A Continuous Protective Barrier (Do Not Fasten Boards Into Tree)

2" XC 4" Boards -

Tree

Bands

Burlap

```
NOTES:
```

No Open Trenching Under The Crown Dripline Of The Tree

ELEVATION

DESCRIPTION: LAST REVISION

11/01/17





KEEP OUT TREE PROTECTION AREA

FY 2018-19 STANDARD PLANS

TREE PROTECTION AND PRESERVATION

Orange Construction Barrier

Secure Barrier To Posts To Hold Barrier Taut

In The Plans

Underground Utility

Trenching May Occur Outside Of The Crown

Dripline Of The Tree

Maintain Existing Grade Within The Tree Protection Barrier Unless Otherwise Indicated



GENERAL NOTES

- 1. The location and construction of mailboxes shall conform to the rules and regulations of the United States Postal Service as modified by this Index.
- 2. Mailboxes will not be permitted on Interstate highways, freeways, or other highways where prohibited by law or regulation.
- 3. The contractor shall give the Postmaster of the delivery route(s) written notice of project construction 7 days prior to the beginning of work, with Saturdays, Sundays and Holidays excluded.

The Contractor shall furnish and install one mailbox in accordance with this Index at each mail patron delivery location and maintain the box throughout the contract period. The Contractor shall apply box numbers to each patron box in accordance with identification specifications of the Domestics Mail Manual of the U. S. Postal Service; where local street names and house numbers are authorized by the Postmaster as a postal address, the Contractor shall inscribe the house number on the box; if the box is located on a different street from the patrons residence, the Contractor shall inscribe the street name and house number on the box.

The Contractor shall coordinate removal of the patrons existing mailboxes. Immediately after installing the new mailboxes the Contractor must notify each "Mail Delivery Patron" by Certified Mail that removal of the existing mailboxes must be accomplished in 21 days after receipt of notices. Patrons shall have the option of removing their existing mailboxes or leaving the mailboxes in place for removal by the Contractor; removal by the Contractor shall be included in the contract unit price for Mailbox, Each. The Contractor shall dispose of mailboxes and supports in areas provided by him.

Reuse of existing mailboxes by the Contractor will not be a requirement under any construction project; however where an existing mailbox meets the design requirements of this Index and is structurally and functionally sound, the Contractor at his option may elect to reuse the existing mailbox in lieu of constructing a new mailbox. Any use of existing mailboxes must be approved by the Engineer.

4. Mailboxes shall be light sheet metal or plastic construction, in traditional style only, and only in Size 1 as prescribed by the Domestic Mail Manual of the U.S. Postal Service (DMM).

Mailbox production standards, lists of approved manufacturers and suppliers of mailboxes, design approval and guidance may be obtained by writing to the Rural Delivery Division, Delivery Service Department, Operations Group, USPS Headquarters, Washington, DC 20260.

5. Mailboxes shall be located on the right-hand side of the roadway in the direction of the delivery route, except on one-way roads and streets where they may be placed on the left-hand side.

Mailboxes on rural highways shall be set with the roadside face of the box offset from the edge of the traveled way a minimum distance of the greater of the following:

a. Shoulder width plus 8" to 12".

b. 10' for ADT over 10,000 vpd. 8' for ADT 100 to 10,000 vpd. 6' for ADT under 100 vpd 2'-6" for low speed and ADT under 100 vpd.

When a mailbox is installed within the limits of guardrail it should be placed behind the quardrail whenever practical.

Mailboxes on curbed highways, roads, and streets shall be set with the face of the box between 6" and 12" behind the face of curb. If the sidewalk abuts the curb or if an unusual condition exists which makes it difficult or impractical to install or serve boxes at the curb, the Contractor, with concurrence of the local postal authority, may be permitted to install all mailboxes at the back edge of the sidewalk, where they can be served by the carrier from the sidewalk.

- 6. Mailboxes shall be set with the bottom of the box between 42" and 48" above the mail stop surface, unless the U.S. Postal Service establishes other height restrictions.
- 7. No more than two mailboxes may be mounted on a support structure unless the support structure and mailbox arrangements have been shown to be safe by crash testing in accordance with NCHRP Report 350.

Neighborhood Delivery and Collection Box Units (NDCBU) are a specialized multiple mailbox installation that must be located outside the highway and street clear zones. The location of NDCBUs is the sole responsibility of the Postmaster for the delivery route under consideration.

8. Lightweight newspaper receptacles may be mounted below the mailbox on the side of the support post in conformance with the USPS Domestic Mail Manual. The mail patron shall be responsible for newspaper receptacle installation and maintenance.

Concrete, block, brick, stone or other rigid foundation structure or encasement, either above or below the shoulder groundline, will not be permitted for mailboxes on rural highways. On urban roads and streets where mailbox support posts are set within rigid pavement back of curb, the support posts shall be separated from the pavement by a minimum of 1" of expansion material.

At intersecting roads mailboxes shall be located 100' or more from the centerline of the intersecting road on the far side in the direction of the delivery route, with the distance increased to 200' when the route volume exceeds 400 vehicles per day.

the Standard Specifications.

Steel support posts shall have an external finish equal to or better than two coats of weather resistant, air dried or baked, paint or enamel. Surface(s) shall be cleaned of all loose scale prior to finishing. The Postal Service prefers that posts be painted white, but other colors may be used when approved by the Engineer. When galvanized posts are used painting is not required.

Mounting brackets, plates, platforms, shelves and accessory hardware surface finishes are to be suited to support post finish.

numbers.

Payment shall be limited to one mailbox per patron address whether the mailbox is new, reused, salvaged, reset or relocated. Payment shall be per mailbox regardless of the number of mailboxes per support or grouping arrangement.

installation, resetting or relocation.



9. Wood and steel support posts for both single and double mailbox mountings shall be embedded no more than 24" into the ground.

Support posts shall not be fitted nor installed with surface mount base plates.

10. At driveway entrances mailboxes shall be placed on the far side of the driveway in the direction of the delivery route.

11. Wood support posts shall be in conformance with the material and dimensional requirements of Section 952 and the treatment requirements of Section 955 of

12. Mailboxes shall be paid for under the contract unit price for Mailboxes, Each. Payment shall be full compensation for boxes, posts and accessory items essential for installation in accordance with this standard; erection; adjustments to suit construction needs; and, for identification letters and

The above compensation shall include any work and cost incurred by the contractor for removal and disposal of existing mailboxes.

There shall be no payment participation for NDCBU furnishing, assembly,

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![](_page_3_Figure_1.jpeg)

![](_page_4_Figure_0.jpeg)

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![](_page_5_Figure_0.jpeg)

TAC	INDEX	SHEET
	120-001	2 of 4

![](_page_6_Figure_0.jpeg)

![](_page_6_Picture_1.jpeg)

STANDARD PLANS

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![](_page_7_Figure_0.jpeg)

LAST REVISION 11/01/17

![](_page_7_Picture_3.jpeg)

FY 2018-19 STANDARD PLANS

EMBANKMENT UTILIZATIO

writing by the District Materials Engineer and shown in the plans.

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	120-001	4 of 4

![](_page_8_Figure_0.jpeg)

![](_page_8_Picture_2.jpeg)

STANDARD PLANS

![](_page_9_Figure_0.jpeg)

REMOVAL	OF	PLASTIC	MATERIAL

INDEX
120-002

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![](_page_10_Figure_0.jpeg)

## NOTES: PAVEMENT REMOVAL AND REPLACEMENT

- 1. Pavement shall be mechanically sawed
- 2. The replacement asphalt shall match the existing structural and friction courses for type and thickness in accordance with current FDOT asphalt mix specifications.
- 3. The new base materials shall be either of the same type and composition as the materials removed or of equal or greater structural adequacy.

### BACKFILL OPTION

### 1. COMPACTED AND STABILIZED FILL

- A. Place backfill material in accordance with Specifications 125.
- B. In Stage #1, construct compacted fill beneath the haunches of the pipe, using mechanical tamps suitable for this purpose. This compaction applies to the material placed beneath the haunches of the pipe and above any bedding.
- C. In Stage #2, construct compacted fill along the sides of the pipe and up to the bottom of the base, with the upper 12" receiving Type B Stabilization. In lieu of Type B Stabilization, the Contractor may construct using Optional Base Group 3.

### 2. FLOWABLE FILL

- A. If compaction can not be achieved through normal mechanical methods then flowable fill may be used.
- B. Flowable fill is to be placed in accordance with Section 121 of the Specifications, as approved by the Engineer.
- C. Do not allow the utility being installed to float. If a method is provided to prevent flotation from occurring, Stages #1 and #2 can be combined, if approved by the Engineer
- D. In Stage #1, place flowable fill midway up on both sides of the utility. Allow to harden before placing Stage #2.
- E. In Stage #2, place flowable fill to the bottom of the existing base course.

### =FLEXIBLE PAVEMENT CUT=

# GENERAL NOTES

- 1. The details provided in this Index apply to cases in which jack and bore or directional boring methods are not required by the Engineer.
- 2. Flowable fill shall not be placed directly over loose, or high plastic, or muck material (see Index 120-001) which will cause settlement due to fill weight. Where highly compressible material exists, the amount, shape and depth of flowable fill must be engineered to prevent pavement settlement
- 3. These details do not apply to utility cuts longitudinal to the centerline of the roadway which may require the additional use of geotextiles, special bedding and backfill, or other special requirements.
- 4. Method of construction must be approved by the Engineer
- 5. Some pipe may require special granular backfill up to 6" above top of pipe. Geotextiles may be required to encapsulate the special granular material.

![](_page_10_Figure_23.jpeg)

- 9. Excavatable flowable fill is to be used when the flowable fill option is selected.

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UTILITY ADJUSTMENTS THRU EXISTIN

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![](_page_11_Figure_0.jpeg)

# NOTES

- 1. Cut-Lines must be straight and cleanly sawed.
- 2. See Sheet 1 for replacement pavement.
- 3. Adjust manholes prior to placing friction course when pavement resurfacing is occurring in the area adjacent to the manhole.
- 4. Align Longitudinal Cut-Lines with pavement joint or center of traffic lane to avoid wheel path.
- 5. For rigid pavement, align Transverse Cut-Lines with nearest existing joint.

# NONTRENCH PAVEMENT CUTS FOR UNDERGROUND UT

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# DESCRIPTION:

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FY 2018-19 STANDARD PLANS

UTILITY ADJUSTMENTS THRU EXISTIN

TILITY STRUCTUR	ES IN PA	AVEMENT
IG PAVEMENT	INDEX 125-001	<sup>sнеет</sup> 2 of 2

![](_page_12_Figure_0.jpeg)

- pipe shall be determined as soon as it is installed
- protected from construction vehicles and equipment.
- mesh covering (plastic or other synthetic material).

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