ORIGINATION FORM

Proposed Revisions to a Standard Plans Index
(Please provide all information — Incomplete forms will be returned)

Contact Information:
Date: July 29, 2021
Originator: Rick Jenkins
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Email: rick.jenkins@dot.state.fl.us

Summary of the changes:
Redeveloped Index; Redrew details; Rewrote notes

Standard Plans:
Index Number: 520-010
Sheet Number(s): All
Index Title: Median Opening Flume

Commentary / Background:
Revised and reorganized details to match other indexes. Rewrote notes and deleted pay item and design information that is now located in the SPI.

Other Affected Offices / Documents: (Provide name of person contacted)
Yes No
☐ ☑ Other Standard Plans –
☐ ☑ FDOT Design Manual –
☐ ☑ Basis of Estimates Manual –
☐ ☑ Standard Specifications –
☐ ☑ Approved Product List –
☐ ☑ Construction –
☐ ☑ Maintenance –

Origination Package Includes:
(Email or hand deliver package to Rick Jenkins)
Yes N/A
☑ ☐ Redline Mark-ups
☐ ☐ Proposed Standard Plan Instruction (SPI)
☐ ☐ Revised SPI
☐ ☐ Other Support Documents

Implementation:
☐ Design Bulletin (Interim)
☐ DCE Memo
☐ Program Mgmt. Bulletin
☑ FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us
Created new Note 2

1. These details are to apply to projects which provide for the conversion of 2-lane sections to 4-lane divided highway sections and for super-elevated sections of new 4-lane divided highways. Layout above is illustration only. Such details to be included in the contract price for Curbs or Curbs and Gutters. Curb to be paid for under the contract unit price for Performance Surf.-Gr.

2. Flumes to be located in low point of noses and at other points as designated in the plans. The locations may be adjusted by the Engineer during construction.

PUBLIC RD. OR CROSSOVER

Runoff

Grade To Drain As Shown In
The Plans Or As Adjusted By
The Engineer During Construction

Flume Or Flumes At The Point Or Points Of Low Grade. See Details.

Runoff

Crown Line (Exist. Pavt.) Or Lane Line Of
Superelevated Pavt. (Exist. Pavt. Or New 4-Lane Pavt.)

Portion Of New 4-Lane Pavt.

Median Width As Indicated In Detail Plans

Slope To Approx. Match That Of Adjoining Pavt. (Breakover 0.02 Min., 0.05 Max.)

Prop. Pavt.

Prop. Median Pavt., Warp
Surface If Necessary To
Drain To Prop. Flumes

Match Surfaces

Provide Approximately A Minimum Of 0.20% Grade On Gutter, Slightly
Warping The Surface Of The Median Pavement If Necessary, Within
Limits Of The Median Curb In Exist. Or New 4-Lane Pavt. As Per Code A Drainage
Flume Or Flumes At The Point Or Points Of Low Grade. See Details.

Crown Line (Exist. Pavt.) Or Lane Line Of
Superelevated Pavt. (Exist. Pavt. Or New 4-Lane Pavt.)

Portion Of New 4-Lane Pavt.

MEDIAN OPENING DETAILS

NEW SUB SECTION:

SECTION AA

Prop. Pavt.

Median

Exist. Or New Pavt.

Provide Smooth Section

Match Existing Grade

Grade Estab. In Detail Plans

Min. Slope 0.02'/ft.

Curb Ditch To Drain

CURBS

6" For Type E & F Curbs

9" For Types E & F Curbs

18" For Types A & E Curbs

9" For Type A Curbs

3'-0" 91'-6"

1'-6"

SECTION BB

(May Drain From Any Point Designated In The Plans Or
As Adjusted By The Engineer During Construction)

NEW SUB SECTION:

SECTION CC

FLUME DETAIL

FLUME DETAILS

9" For Types A & E Curbs

6" For Type E Curbs

PUBLIC RD. OR CROSSOVER

Runoff

Grade To Drain As Shown In
The Plans Or As Adjusted By
The Engineer During Construction

Flume Or Flumes At The Point Or Points Of Low Grade. See Details.

Runoff

Crown Line (Exist. Pavt.) Or Lane Line Of
Superelevated Pavt. (Exist. Pavt. Or New 4-Lane Pavt.)

Portion Of New 4-Lane Pavt.

Median Width As Indicated In Detail Plans

Slope To Approx. Match That Of Adjoining Pavt. (Breakover 0.02 Min., 0.05 Max.)

Prop. Pavt.

Prop. Median Pavt., Warp
Surface If Necessary To
Drain To Prop. Flumes

Match Surfaces

Provide Approximately A Minimum Of 0.20% Grade On Gutter, Slightly
Warping The Surface Of The Median Pavement If Necessary, Within
Limits Of The Median Curb In Exist. Or New 4-Lane Pavt. As Per Code A Drainage
Flume Or Flumes At The Point Or Points Of Low Grade. See Details.

Crown Line (Exist. Pavt.) Or Lane Line Of
Superelevated Pavt. (Exist. Pavt. Or New 4-Lane Pavt.)

Portion Of New 4-Lane Pavt.

MEDIAN OPENING DETAILS

NEW SUB SECTION:

SECTION AA

Prop. Pavt.

Median

Exist. Or New Pavt.

Provide Smooth Section

Match Existing Grade

Grade Estab. In Detail Plans

Min. Slope 0.02'/ft.

Curb Ditch To Drain

CURBS

6" For Type E & F Curbs

9" For Types E & F Curbs

18" For Types A & E Curbs

9" For Type A Curbs

3'-0" 91'-6"

1'-6"

SECTION BB

(May Drain From Any Point Designated In The Plans Or
As Adjusted By The Engineer During Construction)

NEW SUB SECTION:

SECTION CC

FLUME DETAIL

FLUME DETAILS

9" For Types A & E Curbs

6" For Type E Curbs

PUBLIC RD. OR CROSSOVER

Runoff

Grade To Drain As Shown In
The Plans Or As Adjusted By
The Engineer During Construction

Flume Or Flumes At The Point Or Points Of Low Grade. See Details.

Runoff

Crown Line (Exist. Pavt.) Or Lane Line Of
Superelevated Pavt. (Exist. Pavt. Or New 4-Lane Pavt.)

Portion Of New 4-Lane Pavt.

Median Width As Indicated In Detail Plans

Slope To Approx. Match That Of Adjoining Pavt. (Breakover 0.02 Min., 0.05 Max.)

Prop. Pavt.

Prop. Median Pavt., Warp
Surface If Necessary To
Drain To Prop. Flumes

Match Surfaces

Provide Approximately A Minimum Of 0.20% Grade On Gutter, Slightly
Warping The Surface Of The Median Pavement If Necessary, Within
Limits Of The Median Curb In Exist. Or New 4-Lane Pavt. As Per Code A Drainage
Flume Or Flumes At The Point Or Points Of Low Grade. See Details.

Crown Line (Exist. Pavt.) Or Lane Line Of
Superelevated Pavt. (Exist. Pavt. Or New 4-Lane Pavt.)

Portion Of New 4-Lane Pavt.
Proposed Pavement

Public Road or Crossover

Runoff (Typical)

Grade to Drain as shown in the Plans or as Adjusted by the Engineer during Construction

Proposed Pavement

Runoff

Median Width as Shown in the Plans

Medan Width as Shown in the Plans

Grade of Gutter (See Note 2)

Grade to Approximate Match to Adjoining Pavement (Breakover 0.02 Min., 0.05 Max.)

Slope to Approximate Match to Adjoining

Proposed Pavement

Existing Pavement or Superelevated Portion of New 4-Lane Pavement

Crown Line (Existing Pavement) or Lane Line of Superelevated Pavement (Existing Pavement or New 4-Lane Pavement)

Provide Smooth Section

Match Existing Grade

Prop. Pave. Median Existing or New Pavement

SECTION A-A

MEDIAN OPENING DETAIL

MEDIAN OPENING DETAIL

FLUME DETAIL

PLAN VIEW

SECTION CC

NOTES:

1. These details are to apply to projects which provide for the conversion of 2-lane sections to 4-lane divided highway sections and for superelevated sections of new 4-lane divided highways. Layout above is illustration only.

2. See Plans for flume length and location and grade of gutter. Flume locations may be adjusted by the Engineer during construction. It is necessary to provide minimum gutter grade, warp surface of the median pavement within limits of the median curb or curb and gutter.

SECTION B-B

SECTION B-B

NOTE:

May drain from any point designated in the Plans or as adjusted by the Engineer during construction.

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