TRAFFIC DATA

CURRENT YEAR = 1998 AADT = 6800
ESTIMATED OPENING YEAR = 2000 AADT = 7800
ESTIMATED DESIGN YEAR = 2020 AADT = 12000
K = 6%  D = 15%  T = 2% (24 HOUR)
DESIGN HOUR T = 1%
DESIGN SPEED = 55 MPH

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR CURRENT YEAR, OPENING YEAR AND DESIGN YEAR. POSTED SPEED (MPH) IS OPTIONAL.

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT 6-1, THIS CHAPTER.

TYPICAL SECTION

SR 10 (U.S. 90-A)
STA. 10+00.00 TO STA. 267+34.89

NEW CONSTRUCTION

OPTIONAL BASE GROUP 8 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2"
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1 \frac{1}{2}"
PG 76-22

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 \frac{1}{2}"
PG 76-22

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

EXHIBIT TYP-1
Date: 1/1/17
**TYPICAL SECTION**

**SR 500**

**STA. 63+65.42 TO STA. 328+65.14**

**NEW CONSTRUCTION**

**OPTIONAL BASE GROUP 9 WITH**

**TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2")**

**TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)**

**AND FRICTION COURSE FC-5 (3/4") (PG 76-22)**

**SHOULDER PAVEMENT**

**OPTIONAL BASE GROUP 1 WITH**

**TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)**

**AND FRICTION COURSE FC-5 (3/4") (PG 76-22)**

**NOTES:**

- Height of fill is the vertical distance from the edge of the outside travel lane to toe of front slope.
- 16" for fills to 5'.
- 16" to edge of clear zone & 14" for fills 5' to 10'.
- 16" to edge of clear zone & 13" for fills 10' to 20' (with guardrail).
- Fills over 20'

**SHOULDER PAVEMENT DETAIL**

**TYPICAL SECTION**

**TYP-2**

**Date: 1/1/17**

**STATE OF FLORIDA**

**DEPARTMENT OF TRANSPORTATION**

**COUNTY**

**FINANCIAL PROJECT ID**

**STATE NO.**

**MILE NO.**

**BAY**

**123456-1-52-01**
S-LANE
ARTERIAL/COLLECTOR
NEW CONSTRUCTION
UNDIVIDED
URBAN
WITH BICYCLE LANES
MINIMUM RIGHT OF WAY
DESIGN SPEED 40 MPH
OR LESS
WITH PROJECTED
20 YR. AADT OF 1500
OR GREATER

SEE PPM TABLE 2.2.1.
OF RAISED OR RESTRICTIVE MEDIAN.
5-LANE SECTIONS ARE TO INCLUDE SECTIONS
OF RAISED OR RESTRICTIVE MEDIAN.
SEE PPM TABLE 2.2.1.

STANDARD CLEARING AND GRUBBING

LIMITS OF CONSTRUCTION

R/W LINE

G CONST. ***

R/W VARIES (44 MIN.)

G CONST. ***

R/W LINE

VARIES **

10' 7' 22'

2' 500 LEVEL

* 0.02

( MAX.)

12'

11'

11'

6'

6'

6'

11'

11'

LEVEL

2' SOD

* SOD

6'

6'

6'

6'

12'

12'

12'

LEVEL

2' SOD

* SOD

6'

6'

6'

6'

12'

12'

12'

 Profile Grade Point

Natural Ground

Natural Ground

Concrete Sidewalk

Type F Curb and Gutter

Type F Curb and Gutter

Type F Curb and Gutter

Type F Curb and Gutter

Type B Stabilization

LBR 40

Type SP Structural Course (Traffic B) (1 ½")

AND FRICION COURSE FC-12.5 (Traffic B) (1 ½") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR = 1998 AADT = 9900
ESTIMATED OPENING YEAR = 2000 AADT = 10600
ESTIMATED DESIGN YEAR = 2020 AADT = 14000
K = 6%  D = 55%  T = 2% (24 HOURS)
DESIGN HOURS T = 1%
DESIGN SPEED = 40 MPH

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR CURRENT YEAR, OPENING YEAR AND DESIGN YEAR.
POSTED SPEED (MPH) IS OPTIONAL.

TYPICAL SECTION

SR 00 (DUVAL STREET)

STA. 252+12.00 TO STA. 323+19.42

NEW CONSTRUCTION

OPTIONAL BASE GROUP B WITH

TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 ½")

AND FRICION COURSE FC-12.5 (Traffic B) (1 ½") (PG 76-22)

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT 6-1, THIS CHAPTER.
### TYPICAL SECTION

**SR 00 (WILSON STREET)**

**STA. 98+40.00 TO STA. 202+33.00**

**NEW CONSTRUCTION**

**OPTIONAL BASE GROUP 9 WITH TYPE SP STRUCTURAL COURSE (TRAFFIC B) (1 ½") AND FRICTION COURSE FC-12.5 (TRAFFIC B) (1 ½") (PG 76-22)**

**TRAFFIC DATA**

**CURRENT YEAR = 1998 AADT = 22800**

**ESTIMATED OPENING YEAR = 2000 AADT = 25800**

**ESTIMATED DESIGN YEAR = 2020 AADT = 30600**

**K = 6%, D = 33%, T = 2% (24 HOURS)**

**DESIGN HOUR T = 1%**

**DESIGN SPEED = 45 MPH**

**TRAFFIC DATA IS REQUIRED TO BE NOTED FOR CURRENT YEAR, OPENING YEAR AND DESIGN YEAR. POSTED SPEED (MPH) IS OPTIONAL.**

---

**4-LANE**

**ARTERIAL**

**NEW CONSTRUCTION**

**DIVIDED**

**URBAN**

**WITH BIKE Lanes**

**DESIGN SPEED 45 MPH OR LESS**

---

**NOTE:**

- **Natural Ground**
- **12" OR TO SUIT PROPERTY OWNER, NOT FLATTER THAN 1:6**
- **TURF OR SOD**
- **LEVEL 2' SOD**
- **BIKE LANE BUFFERED**
- **CURB AND GUTTER TYPE E**
- **CURB AND GUTTER TYPE F**
- **CONCRETE SIDEWALK**
- **STANDARD CLEARING AND GRUBBING**
- **RAW LINE**
- **R/W LINE**
- **SOD**
- **LEVEL 2' SOD**
- **BIKE LANE BUFFERED**
- **CURB AND GUTTER TYPE E**
- **CURB AND GUTTER TYPE F**
- **CONCRETE SIDEWALK**
- **STANDARD CLEARING AND GRUBBING**
- **RAW LINE**
- **R/W LINE**
- **SOD**
- **LEVEL 2' SOD**
- **BIKE LANE BUFFERED**
- **CURB AND GUTTER TYPE E**
- **CURB AND GUTTER TYPE F**
- **CONCRETE SIDEWALK**

---

**EXHIBIT TYP-5**

**Date: 1/1/15**

---

**STATE OF FLORIDA**

**DEPARTMENT OF TRANSPORTATION**

**COUNTY: BAY**

**FINANCIAL PROJECT NO: 123456-1-42-01**

**TYPICAL SECTION SHEET NO:**

---


**9/28/2016 9:54:10 AM**

---

**BAY ROAD NO.**
TYPICAL SECTION
SR 00 (JACKSON STREET)
STA. 101+21.00 TO STA. 221+44.00

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (2")
AND FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

TRAFFIC DATA
CURRENT YEAR = 1998 AADT = 22800
ESTIMATED OPENING YEAR = 2000 AADT = 25800
ESTIMATED DESIGN YEAR = 2020 AADT = 30600
K = 8%  D = 55%  T = 2% (24 HOUR)
DESIGN HOUR T = 3%
DESIGN SPEED = 45 MPH

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR CURRENT YEAR, OPENING YEAR AND DESIGN YEAR.

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT 64, THIS CHAPTER.

EXHIBIT TYP-6
Date: 1/1/15
ON THE TYPICAL SECTION SHEET.

WHEN REQUIRED THIS SHOULD BE IDENTIFIED

SOME PROJECTS MAY REQUIRE SHOULDER WORK.

AADT OF 1500 OR GREATER

WITH PROJECTED 20 YR.

UNDIVIDED RURAL

WITH EXISTING BIKE LANES

RURAL

UNDIVIDED

MILLING AND RESURFACING

EXISTING

2-LANE (2-WAY)

ARTERIAL/COLLECTOR

EXISTING STABILIZATION

EXISTING BASE

EXISTING PAVEMENT

EXISTING ROADWAY

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR

CURRENT YEAR, OPENING YEAR AND DESIGN YEAR.

TRAFFIC DATA

STA. 10+53.00 TO STA. 368+41.21

CURRENT YEAR = 1998 AADT = 9670

ESTIMATED OPENING YEAR = 2000 AADT = 11900

K = 10%  D = 60%  T = 15% (24 HOUR)

DESIGN HOUR T = 3%

DESIGN SPEED = 55 MPH

CONSTANT DEPTH MILLING AND RESURFACING

STA. 10+53.00 TO STA. 368+41.21

MILLING

MILL EXISTING ASPHALT

PAVEMENT FOR DEPTH (2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")

AND FRICTION COURSE FC-9.5

(TRAFFIC B) (1") (PG 76-22)

SHOULDER PAVEMENT RESURFACING

FRICTION COURSE FC-9.5

(TRAFFIC B) (1") (PG 76-22)

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR

CURRENT YEAR, OPENING YEAR AND DESIGN YEAR.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DETAINED STORIED AND SIGNED UNDER RULE 61G15-23, F.A.C.
AADT OF 1500 OR GREATER
WITH PROJECTED 20 YR.
RURAL
UNDIVIDED
MILLING AND RESURFACING
ARTERIAL/COLLECTOR
2-LANE (2-WAY)
EXISTING
R/W VARIES (50' MIN.)
R/W LINE
PAVT. SHLDR.
5'
Natural Ground
12'
12'
PAVT. SHLDR.
5'
Natural Ground

TYPICAL SECTION
SR 400B

CROSS SLOPE CORRECTION
STA. 130+77.00 TO STA. 157+00.00
VARIABLE MILLING
MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (2½" AVG. DEPTH)
RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2")
AND FRICTION COURSE FC-9.5
(TRAFFIC B) (1") (PG 76-22)
SHOULDER MILLING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)
SHOULDER PAVEMENT RESURFACING
FRICTION COURSE FC-9.5
(TRAFFIC B) (1") (PG 76-22)

TYPICAL SECTION
SR 400B

EXHIBIT TYP-8
Date: 1/1/17
SHEET 1 OF 2
POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

THE NEED FOR AND LOCATION OF PROFILE GRADES MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION.

SPECIAL MILLING, OVERBUILD AND LAYERING DETAILS WHEN CROSS SLOPE CORRECTION IS NECESSARY REFER TO EXHIBIT 6-1, THIS CHAPTER.

FOR STANDARD TYPICAL SECTION NOTES BE CONSIDERED BY THE ENGINEER.

THICKNESS AND CROSS SLOPE REQUIREMENTS MAY OTHER SEQUENCES THAT MEET SPECIFICATIONS, SUGGESTED CONSTRUCTION SEQUENCES SHOWN.

EXAMPLE OF CROSS SLOPE CORRECTION BY VARIABLE DEPTH MILLING AND RESURFACE.

WHEN CROSS SLOPE CORRECTION IS NECESSARY SPECIAL MILLING, OVERBUILD AND LAYERING DETAILS MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION. THE NEED FOR AND LOCATION OF PROFILE GRADES POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

SUGGESTED CONSTRUCTION SEQUENCES SHOWN OTHER SEQUENCES THAT MEET SPECIFICATIONS, THICKNESS AND CROSS SLOPE REQUIREMENTS MAY BE CONSIDERED BY THE ENGINEER.

STA. 130+77.00 TO STA. 157+00.00

EXHIBIT TYP-8A

Date: 1/1/17

SHEET 2 OF 2
TRAFFIC DATA
STA 10+53.00 TO STA 130+77.00

CURRENT YEAR = 1998 AADT = 9670
ESTIMATED OPENING YEAR = 2000 AADT = 11900
ESTIMATED DESIGN YEAR = 2010 AADT = 20200
K = 10%; D = 60%; T = 7% (24 HOUR)
DESIGN HOUR T = 3%
DESIGN SPEED = 55 MPH

CROSS SLOPE CORRECTION
STA 10+53.00 TO STA 130+77.00
MILLING FOR DEPTH
MILL EXISTING ASPHALT PAVEMENT FOR DEPTH (2")
OVERBUILD FOR SLOPE
TYPE SP OVERBUILD (TRAFFIC B) THICKNESS VARIES (1/2") TO (1½")
RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2") AND FRICTION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)

SHOULDER MILLING
MILL EXISTING ASPHALT PAVEMENT (1" AVG. DEPTH)

SHOULDER PAVEMENT RESURFACING
FRICITION COURSE FC-9.5 (TRAFFIC B) (1") (PG 76-22)
POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS. THE NEED FOR AND LOCATION OF PROFILE GRADES MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION. SPECIAL MILLING, OVERBUILD AND LAYERING DETAILS WHEN CROSS SLOPE CORRECTION IS NECESSARY REFER TO EXHIBIT 6-1, THIS CHAPTER. FOR STANDARD TYPICAL SECTION NOTES BE CONSIDERED BY THE ENGINEER. THICKNESS AND CROSS SLOPE REQUIREMENTS MAY OTHER SEQUENCES THAT MEET SPECIFICATIONS, SUGGESTED CONSTRUCTION SEQUENCES SHOWN.

OVERBUILD AND RESURFACING DETAIL

* TYPE SP OVERBUILD THICKNESSES (PER FOOT SPECIFICATION 33A)

EXAMPLE OF CROSS SLOPE CORRECTION BY CONSTANT DEPTH MILLING AND OVERBUILD.

WHEN CROSS SLOPE CORRECTION IS NECESSARY SPECIAL MILLING, OVERBUILD AND LAYERING DETAILS MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION. THE NEED FOR AND LOCATION OF PROFILE GRADING POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

SUGGESTED CONSTRUCTION SEQUENCES SHOWN. OTHER SEQUENCES THAT MEET SPECIFICATIONS, THICKNESS AND CROSS SLOPE REQUIREMENTS MAY BE CONSIDERED BY THE ENGINEER.

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT 6-1, THIS CHAPTER.
TYPICAL SECTION

SR 000

STA. 20+25.00 TO STA. 48+16.56

STA. 57+82.78 TO STA. 93+41.21

TRAFFIC DATA

STA. 20+25.00 TO STA. 48+16.56

CURRENT YEAR = 1998 ADT = 8700
ESTIMATED OPENING YEAR = 2000 ADT = 9200
ESTIMATED DESIGN YEAR = 2020 ADT = 23600
K = 10% D = 65% T = 7% (24 HOUR)
DESIGN HOURS T = 3%
DESIGN SPEED = 55 MPH

STA. 57+82.78 TO STA. 93+41.21

CURRENT YEAR = 1998 ADT = 6835
ESTIMATED OPENING YEAR = 2000 ADT = 8600
ESTIMATED DESIGN YEAR = 2020 ADT = 17200
K = 10% D = 65% T = 7% (24 HOUR)
DESIGN HOURS T = 3%
DESIGN SPEED = 55 MPH

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR
CURRENT YEAR, OPENING YEAR AND DESIGN YEAR.

MILLING

MILL EXISTING ASPHALT PAVEMENT FORDEPTH (2")

RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (1 1/2")
AND FRICTION COURSE FC-125 (TRAFFIC C) (1 1/2") (PG 76-22)

WIDENING

OPTIONAL BASE GROUP II WITH

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")
AND FRICTION COURSE FC-125 (TRAFFIC C) (3") (PG 76-22)

FOR STANDARD TYPICAL SECTION NOTES
REFER TO EXHIBIT TYP-10, THIS CHAPTER.

** SEE SHEET 2 OF 2 FOR WIDENING
AND SHOULDER PAVEMENT DETAIL

NOTE:
HEIGHT OF FILL IS THE VERTICAL DISTANCE FROM THE EDGE OF THE OUTSIDE TRAVEL LANE TO TOE OF FRONT SLOPE.

** EXHIBIT TYP-10

TYPICAL SECTION

DATE: 1/1/97

SHEET 1 OF 2

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FINANCIAL PROJECT ID

COUNTY

MILE NO.

REV. NO.

DESCRIPTION

DATE

DESCRIPTION

FILE 3:33:37 PM

123456-1-52-01

BAY

22

627365-1-52-01

6/7/2016
MILLING AND RESURFACING

WIDENING

SHOULDER PAVEMENT

TREATMENT I

(INDEX 105)

SHOULDER PAVEMENT DETAIL

WIDENING

OPTIONAL BASE GROUP II WITH

TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3")

FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP I WITH

FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

NOTE:

* ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM BASE WIDENING AT NO ADDITIONAL COST TO THE DEPARTMENT.

NOTES:

1. NO CROSS SLOPE CORRECTION REQUIRED IF EXISTING CONDITIONS ARE WITHIN THE RANGES OF PPM VOLUME 1, CHAPTER 25 CRITERIA.
2. WHEN CROSS SLOPE CORRECTION IS NECESSARY, SPECIAL MILLING, OVERBUILD, AND LAYERING DETAILS MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION. THE NEED FOR AND LOCATION OF PROFILE GRADE POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

DATE: 1/1/17

EXHIBIT TYP-10A
Date: 1/1/17

SHEET 2 OF 2

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION

MILE NO.
COUNTY
FINANCIAL PROJECT ID

103456-0-52-01

BAY

12/01/16 12:20:18 PM
SR 300  
TYPICAL SECTION

** POSTED SPEED = 55 MPH**
**DESIGN SPEED = 60 MPH**
**DESIGN HOUR T = 11%**
**K = 11%  D = 58%  T = 22% (24 HOUR)**
**ESTIMATED DESIGN YEAR = 2012 AADT = 38900**
**ESTIMATED OPENING YEAR = 2000 AADT = 21000**
**CURRENT YEAR = 1998 AADT = 18100**

TRAFFIC DATA

**SURVEY AND/OR CONSTRUCTION, AS APPLICABLE.**
**THE AREA DISTURBED BY CONSTRUCTION VARIES.**

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT TYP-II, THIS CHAPTER.

EXHIBIT TYP-II
Date: 1/1/14
SHEET 1 OF 1

TYPICAL SECTION DETAILS SHEET 2-5
FOR MILLING AND RESURFACING DETAILS SEE

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

FILE
10:00:13 AM
9/28/2016

FINANCIAL PROJECT ID
COUNTY
ROAD NO.
DATE
DESCRIPTION
REVISIONS

SHEET NO.
123456-1-52-01
MILE NO.
22
BAY
133456-1-52-01

THE OFFICIAL REPRODUCTION OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

4 LANE
ARTERIAL/COLLECTOR
MILLING & RESURFACING
CONST 9 SHLDR. WHT
DIVIDED
RURAL
DRAINAGE IMPROVEMENTS
SAFETY IMPROVEMENTS
WITH BIKE LANES OR
PAVED SHOULDERS
WITH PROJECTED
20 YR. AADT OF 1500
OR GREATER
DESIGN SPEED 45 MPH
OR GREATER

NOTE:
HEIGHT OF FILL IS THE VERTICAL DISTANCE FROM THE EDGE OF THE OUTSIDE TRAVEL LANE TO THE TOP OF FRONT SLOPE.

FOR MILLING AND RESURFACING DETAILS SEE
TYPICAL SECTION DETAILS SHEET 2-5

4" FOR MILLS TO 1'
16 TO EDGE OF CLEAR ZONE & 14 FOR MILLS 1' TO 3'
24 TO EDGE OF CLEAR ZONE & 13 FOR MILLS 1' TO 20'
1.5 WITH QUARRIABLE FILLS OVER 20'
TYPICAL SECTION
SR 400

CROSS SLOPE CORRECTION
STA. 204+34.58 TO STA. 225+00.00

VARIABLE DEPTH MILLING
MILL EXISTING ASPHALT PAVEMENT FOR SLOPE (1/2 AVG. DEPTH)
AND RESURFACING

TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1/2")
(TREATMENT II) (INDEX 105) (PG 76-22)
AND FRICTION COURSE TC-S (1/4") (PG 76-22)

SHOULDER PAVEMENT
OPTIONAL BASE GROUP I WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1/2")
(TREATMENT II) (INDEX 105) (PG 76-22)
AND FRICTION COURSE TC-S (1/4") (PG 76-22)

TRAFFIC DATA

CURRENT YEAR
1999 AADT = 18500
ESTIMATED OPENING YEAR = 2000 AADT = 38600
ESTIMATED DESIGN YEAR = 2002 AADT = 38500
K = 0% D = 58% T = 32% (24 HOUR)
DESIGN SPEED = 45 MPH
POSTED SPEED = 55 MPH

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR
CURRENT YEAR, OPENING YEAR, AND DESIGN YEAR.
POSTED SPEED (MPH) IS OPTIONAL.

** SAVEY/AND/OR Q CONSTRUCTION, AS APPLICABLE.

FOR STANDARD TYPICAL SECTION NOTES
REFER TO EXHIBIT 61, THIS CHAPTER.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

EXHIBIT TYP-12
Date: 1/1/14
SHEET 1 OF 2

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DETAILING ITS CONTENTS AND SHARED UNDER FULL 50-STA-51-502-515A-C.  F.A.C.
**MILLING**

24' (Existing)

**MILLED SURFACE**

Existing Asphalt Pavement
Existing Base

**POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.**

THE NEED FOR AND LOCATION OF PROFILE GRADE POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

SPECIAL MILLING AND LAYERING DETAILS MUST REFER TO EXHIBIT 6-1, THIS CHAPTER.

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT B-1, THIS CHAPTER.

---

**VARIABLE DEPTH MILLING DETAIL**

---

**CONSTANT DEPTH RESURFACING DETAIL**

---

**EXAMPLE OF CROSS SLOPE CORRECTION BY MILLING AND PAVING WITH CONSTANT DEPTH.**

WHEN CROSS SLOPE CORRECTION IS NECESSARY SPECIAL MILLING AND LAYERING DETAILS MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION. THE NEED FOR AND LOCATION OF PROFILE GRADE POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

EXHIBIT TYP-12A

Date: 1/1/14

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTION DETAILS

SHEET 2 OF 2
STA 316+53.67 TO STA 347+00.00
VARIABLE DEPTH MILLING
MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
OVERBUILD
TYPE SP OVERBUILD (TRAFFIC D) THICKNESS VARIES (2" TO 1 1/2")
RESURFACING
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)
SHOULDER PAVEMENT
OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)

TRAFFIC DATA
CURRENT YEAR = 1999
ESTIMATED DESIGN YEAR = 2000
ESTIMATED AADT = 1800
DESIGN HOUR = 7%, T = 22ср (24 Hour)
DESIGN SPEED = 55 MPH
POSTED SPEED = 55 MPH

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR CURRENT YEAR, OPENING YEAR, AND DESIGN YEAR. POSTED SPEED (MPH) IS OPTIONAL.

* WHEN CROSS SLOPE CORRECTION IS NECESSARY, SPECIAL MILLING, OVERBUILD AND LAYERING DETAILS MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION. THE NEED FOR AND LOCATION OF PROFILE GRADE POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

TYPICAL SECTION
EXHIBIT TYP-13
DATE: 1/1/15
SHEET 1 OF 4
STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION
COUNTY
MUNICIPALITY
FINANCIAL PROJECT ID
9/30/2016 9:49:44 AM
123456-1-52-01 22 123456-1-52-01

DATE DESCRIPTION
REVISIONS DATE DESCRIPTION

FOOTNOTES:
1. MILL EXISTING ASPHALT PAVEMENT:
   a. MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
      OVERBUILD
      TYPE SP OVERBUILD (TRAFFIC D) THICKNESS VARIES (2" TO 1 1/2")
      RESURFACING
      TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
      AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)
   b. MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
      OVERBUILD
      TYPE SP OVERBUILD (TRAFFIC D) THICKNESS VARIES (2" TO 1 1/2")
      RESURFACING
      TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
      AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)
   c. MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
      OVERBUILD
      TYPE SP OVERBUILD (TRAFFIC D) THICKNESS VARIES (2" TO 1 1/2")
      RESURFACING
      TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
      AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)
   d. MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
      OVERBUILD
      TYPE SP OVERBUILD (TRAFFIC D) THICKNESS VARIES (2" TO 1 1/2")
      RESURFACING
      TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
      AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)
   e. MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)
      OVERBUILD
      TYPE SP OVERBUILD (TRAFFIC D) THICKNESS VARIES (2" TO 1 1/2")
      RESURFACING
      TYPE SP STRUCTURAL COURSE (TRAFFIC D) (1 1/2") (PG 76-22)
      AND FRICTION COURSE FC-5 (1 1/2") (PG 76-22)

2. FOR MILLING AND RESURFACING DETAILS SEE TYPICAL SECTION DETAILS SHEET 2-4
3. FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT 6-1, THIS CHAPTER.
4. TYPICAL SECTION
5. SHEET 1 OF 4
6. STATE OF FLORIDA
7. DEPARTMENT OF TRANSPORTATION
8. COUNTY
9. MUNICIPALITY
10. FINANCIAL PROJECT ID
11. 9/30/2016 9:49:44 AM
12. 123456-1-52-01 22 123456-1-52-01

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DEPICTED ON FILE AND SIGNED UNDER RULE 61G15-23.004, F.A.C.
24' (Lane)

Existing Asphalt Pavement
Existing Base

** V A R I A B L E  D E P T H **
MILLING DETAIL

EXAMPLE OF CROSS SLOPE CORRECTION BY VARIABLE MILLING AND OVERBUILD.

MILLED SURFACE

MILLING CONTROL POINT

SUGGESTED CONSTRUCTION SEQUENCES SHOWN. OTHER SEQUENCES THAT MEET SPECIFICATIONS, THICKNESSES AND CROSS SLOPE REQUIREMENTS MAY BE CONSIDERED BY THE ENGINEER.

FOR STANDARD TYPICAL SECTION NOTES REFER TO EXHIBIT 6.1 THIS CHAPTER.

** S T A T I O N  3 1 6 + 5 3 . 6 7 T O  S T A T I O N  3 4 7 + 0 0 . 0 0 **

** EXISTING PAVEMENT CROSS SLOPES **

** EXISTING PAVEMENT CROSS SLOPES **

** V A R I A B L E  D E P T H **
OVERBUILD AND RESURFACING DETAIL

** TYPE SP OVERBUILD THICKNESSES (PER FDOT SPECIFICATION 334) **

** T Y P I C A L  S E C T I O N  D E T A I L S  **

** T Y P I C A L  S E C T I O N  D E T A I L S  **
OVERBUILD AND RESURFACING DETAIL

EXAMPLE OF CROSS SLOPE CORRECTION
BY CONSTANT DEPTH MILLING AND OVERBUILD.

WHEN CROSS SLOPE CORRECTION IS NECESSARY
SPECIAL MILLING, OVERBUILD AND LAYERING DETAILS
MUST BE PROVIDED TO SUPPLEMENT TYPICAL SECTION.

THE NEED FOR AND LOCATION OF PROFILE GRADES
POINTS WILL DEPEND ON SITE SPECIFIC CONDITIONS.

FOR STANDARD TYPICAL SECTION NOTES
REFER TO EXHIBIT 6-1, THIS CHAPTER.

SUGGESTED CONSTRUCTION SEQUENCES SHOWN,
OTHER SEQUENCES THAT MEET SPECIFICATIONS,
THICKNESS AND CROSS SLOPE REQUIREMENTS MAY
BE CONSIDERED BY THE ENGINEER.

STA. 600+10.00 TO STA. 620+00.00

EXISTING PAVEMENT CROSS SLOPES

<table>
<thead>
<tr>
<th>STATION</th>
<th>EASTBOUND LANES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INSIDE</td>
</tr>
<tr>
<td>609+00</td>
<td>0.013</td>
</tr>
<tr>
<td>610+00</td>
<td>0.015</td>
</tr>
<tr>
<td>611+00</td>
<td>0.013</td>
</tr>
<tr>
<td>612+00</td>
<td>0.013</td>
</tr>
<tr>
<td>613+00</td>
<td>0.013</td>
</tr>
<tr>
<td>614+00</td>
<td>0.013</td>
</tr>
<tr>
<td>615+00</td>
<td>0.013</td>
</tr>
<tr>
<td>616+00</td>
<td>0.013</td>
</tr>
<tr>
<td>617+00</td>
<td>0.013</td>
</tr>
<tr>
<td>618+00</td>
<td>0.013</td>
</tr>
<tr>
<td>619+00</td>
<td>0.013</td>
</tr>
<tr>
<td>620+00</td>
<td>0.013</td>
</tr>
</tbody>
</table>

EXISTING PAVEMENT CROSS SLOPES

<table>
<thead>
<tr>
<th>STATION</th>
<th>EASTBOUND LANES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INSIDE</td>
</tr>
<tr>
<td>619+00</td>
<td>0.015</td>
</tr>
<tr>
<td>620+00</td>
<td>0.016</td>
</tr>
</tbody>
</table>

EXHIBIT TYP-13B
Date: 1/1/14
### EXISTING PAVEMENT SUPERELEVATION

<table>
<thead>
<tr>
<th>STATION</th>
<th>WESTBOUND LANES</th>
<th>EASTBOUND LANES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INSIDE</td>
<td>OUTSIDE</td>
</tr>
<tr>
<td>400+10</td>
<td>0.018</td>
<td>0.020</td>
</tr>
<tr>
<td>P.C. STA 400+60</td>
<td>0.023</td>
<td>0.024</td>
</tr>
<tr>
<td>401+10</td>
<td>0.036</td>
<td>0.038</td>
</tr>
<tr>
<td>404+00</td>
<td>0.035</td>
<td>0.036</td>
</tr>
<tr>
<td>407+00</td>
<td>0.036</td>
<td>0.034</td>
</tr>
<tr>
<td>409+50</td>
<td>0.033</td>
<td>0.034</td>
</tr>
<tr>
<td>P.T. STA 412+00</td>
<td>0.024</td>
<td>0.023</td>
</tr>
<tr>
<td>STA 412+50</td>
<td>0.021</td>
<td>0.020</td>
</tr>
</tbody>
</table>

### EXISTING PAVEMENT SUPERELEVATION

<table>
<thead>
<tr>
<th>STATION</th>
<th>WESTBOUND LANES</th>
<th>EASTBOUND LANES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>INSIDE</td>
<td>OUTSIDE</td>
</tr>
<tr>
<td>699+50</td>
<td>0.018</td>
<td>0.018</td>
</tr>
<tr>
<td>PC STA 700+00</td>
<td>0.018</td>
<td>0.021</td>
</tr>
<tr>
<td>700+50</td>
<td>0.031</td>
<td>0.032</td>
</tr>
<tr>
<td>704+00</td>
<td>0.032</td>
<td>0.034</td>
</tr>
<tr>
<td>707+00</td>
<td>0.033</td>
<td>0.036</td>
</tr>
<tr>
<td>709+50</td>
<td>0.030</td>
<td>0.031</td>
</tr>
<tr>
<td>PT STA 710+00</td>
<td>0.020</td>
<td>0.021</td>
</tr>
<tr>
<td>STA 710+50</td>
<td>0.017</td>
<td>0.018</td>
</tr>
</tbody>
</table>

This table can be used to tabulate existing pavement super-elevation in the plans for areas needing super-elevation correction.

When cross slope correction is necessary, special milling and layering details must be provided to supplement typical section. The need for and location of profile grade points will depend on site specific conditions.

For other standard typical section notes refer to Exhibit 6-1, this chapter.

EXHIBIT TYP-13C
Date: 1/1/13

Sheet 4 of 4
TYPICAL SECTION
SR 00 (JACKSON STREET)

CONSTANT DEPTH MILLING AND RESURFACING
STA. 101+21.00 TO STA. 221+44.00

MILLING
MILL EXISTING ASPHALT PAVEMENT (1 1/2" AVG. DEPTH)

RESURFACING
FRICTION COURSE FC-12.5 (TRAFFIC C) (1 1/2") (PG 76-22)

TRAFFIC DATA IS REQUIRED TO BE NOTED FOR CURRENT YEAR, OPENING YEAR AND DESIGN YEAR.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

EXHIBIT TYP-14
Date: 1/1/15
TYPICAL SECTION
RAMP "B"
STA. 415+67.28 TO STA. 421+23.68
(SINGLE LANE RAMP)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2 1/2") (PG 76-22) AND
FRICITION COURSE FC-5 (1") (PG 76-22)

SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2 1/2") (PG 76-22) AND
FRICITION COURSE FC-5 (1") (PG 76-22)

FOR STANDARD TYPICAL SECTION NOTES
REFER TO EXHIBIT 6-L THIS CHAPTER.
TYPICAL SECTION
RAMP "C"
STA. 623+28.64 TO STA. 629+13.78
(TWO LANE RAMP)

NEW CONSTRUCTION

OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2") (PG 76-22) AND
FRICTION COURSE FC-5 (1/2") (PG 76-22)

LEFT SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC D) (2") (PG 76-22) AND
FRICTION COURSE FC-5 (1/2") (PG 76-22)

RIGHT SHOULDER PAVEMENT

OPTIONAL BASE GROUP 1 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC B) (2") AND
FRICTION COURSE FOR SHOULDERS MUST BE PLACED
ACROSS THE ENTIRE PAVED SHOULDER.

NOTE:
HEIGHT OF Fill IS THE VERTICAL DISTANCE FROM THE EDGE OF THE OUTSIDE TRAVEL LANE TO TOE OF FRONT SLOPE.

FROM THE EDGE OF THE OUTSIDE TRAVEL LANE
HEIGHT OF FILL IS THE VERTICAL DISTANCE
TO TOE OF FRONT SLOPE.

DEPTH AND WIDTH VARY
SEE CROSS SECTIONS

"Y" THE AREA DISTURBED BY
CONSTRUCTION VARIES.

FRICTION COURSE FOR SHOULDERS MUST BE PLACED
A MINIMUM OF 8" BEYOND EDGE OF TRAVEL LANE.
AS AN OPTION THE DESIGNER MAY CALL FOR FC ACROSS THE ENTIRE PAVED SHOULDER.
IN EITHER CASE THE LIMITS FOR FC SHALL BE CLEARLY INDICATED IN THE PLANS.

FOR STANDARD TYPICAL SECTION NOTES REFERENCE EXHIBIT 6-1, THIS CHAPTER

EXHIBIT TYP-17
DATE: 1/1/17

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY STAMPED AND SEALED UNDER RULE 61G15-23.004, F.A.C.
** & SURVEY AND/OR CONSTRUCTION, AS APPLICABLE.

IF LANDSCAPING IS DESIRED, TREES SHALL BE TYPES THAT WILL NOT HAVE AN EXPECTED GROWTH GREATER THAN 4" IN DIAMETER MEASURED 6" ABOVE THE GROUND.

TURF SLOPES 1.3 OR FLATTER
* SOD SLOPES STEEPER THAN 1.3

URBAN AND SUBURBAN WITH BIKE LANES
DESIGN SPEED 50-55 MPH

TRAFFIC DATA
POSTED SPEED (MPH) IS OPTIONAL.
YEAR AND DESIGN YEAR.
NOTED FOR CURRENT YEAR, OPENING
TRAFFIC DATA IS REQUIRED TO BE

DESIGN SPEED = 55 MPH
K = 6%  D = 35%  T = 2% (24 HOUR)
DESIGN HOUR T = 7%

TRAFFIC DATA IS REQUIRED TO BE
NOTED FOR CURRENT YEAR, OPENING
YEAR AND DESIGN YEAR.
POSTED SPEED (MPH) IS OPTIONAL.

FOR STANDARD TYPICAL SECTION NOTES
REFER TO EXHIBIT 6.1, THIS CHAPTER.

TYPICAL SECTION
SR 00 (SARA AVE.)
STA. 50+40.00 TO STA. 125+50.00

NEW CONSTRUCTION
OPTIONAL BASE GROUP 9 WITH
TYPE SP STRUCTURAL COURSE (TRAFFIC C) (3 1/2")
AND FRICITION COURSE FC-5 (1/8") (PG 76-22)
** Survey AND/or
Q Construction, as applicable.

Traffic Data
Current Year = 1999 AADT = 22800
Estimated Opening Year = 2002 AADT = 25800
Estimated Design Year = 2022 AADT = 30600
R = 8%  D = 55%  T = 2%  (24 Hour)
Design Hour T = 3%
Design Speed = 55 MPH

New Construction

Typical Section
SR 00 (Cody Road)
STA. 100+40.00 TO STA. 225+50.00

Traffic Data is Required to Be Noted for Current Year, Opening Year and Design Year. Posted Speed (MPH) is Optional.

For Standard Typical Section Notes Refer to Exhibit 6-1, This Chapter.

State of Florida
Department of Transportation

Exhibit TYP-19
Date: 1/1/17

The Official Records of this Sheet is the Electronic File Digitally Stored and Signed under Rule 61G15-23, F.A.C.
TYPICAL SECTION

SHARED USE PATH
SR 00 (WILLOW WAY)

STA. 122+00.000 TO STA. 210+65.000

PATH DESIGN SPEED = 18 MPH

** Survey and/or
** Construction, as applicable.

SR 00 (DEXTON HEIGHTS)

TYPICAL SECTION

SHARED USE PATH

STA. 22+00.000 TO STA. 51+65.000

PATH DESIGN SPEED = 18 MPH

** For roadways with flush shoulders, a minimum separation of 5 feet measured from the outside edge of shoulder to the inside edge of the shared use path should be provided.
TYPICAL SECTION

SR 00 (SOUTH INDEPENDENCE STREET)
STA. 401+30.00 TO STA. 788+66.00

** NEW CONSTRUCTION

** Optional Base Group B with
Type SP Structural Course (Traffic C) (3%) and
Friction Course FC-5 (5%) (PG 76-22)

** Turf or sod

Traffic Data

Current Year = 1998 AADT = 22600
Estimated Opening Year = 2000 AADT = 25800
Estimated Design Year = 2020 AADT = 30600
K = 3% D = 55% T = 2% (24 Hour)
Design Hour T = 1%
Design Speed = 50 MPH

Traffic Data is Required to be Noted for Current Year, Opening Year and Design Year

For Standard Typical Section Notes refer to Exhibit #6, This Chapter.

Date: 1/1/17

EXHIBIT TYP-21