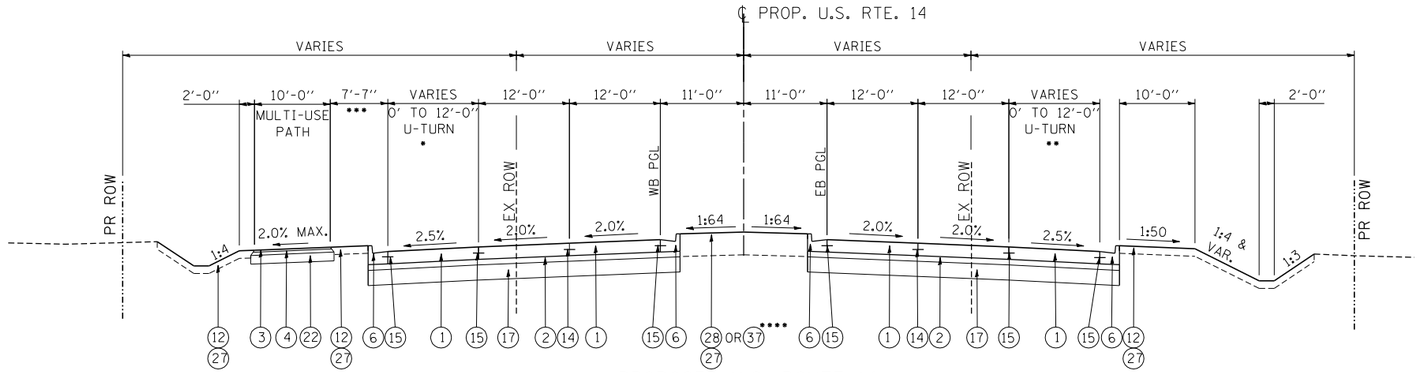


PROPOSED U.S. ROUTE 14

FROM STA. 444+14.83 (PT) TO STA. 493+00

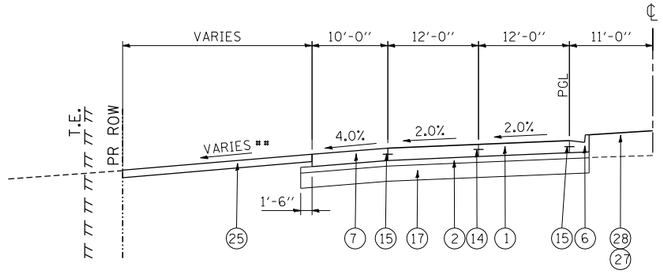
* PAVEMENT CROSS SLOPE VARIES THRU SUPERELEVATION TRANSITION (SEE SHEET 79)

* PAVEMENT VARIES 0' TO 12' FROM STA. 447+80 TO STA. 451+95
FROM STA. 464+46.31 TO STA. 467+70±

** PAVEMENT VARIES 0' TO 12' FROM STA. 450+70 TO STA. 454+85
FROM STA. 466+84.49 TO TO STA. 471+33.38

*** VARIES 7'-7" TO 20'-0" STA. 468+55.98 TO STA. 470+50±

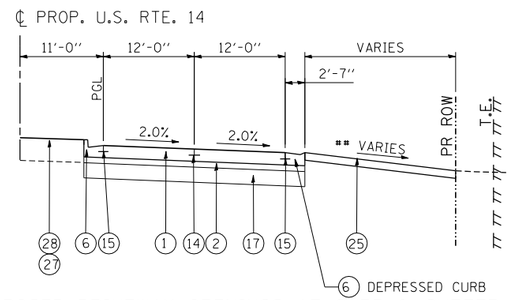
**** TOPSOIL FURNISH AND PLACE, 24" FROM STA. 473+48.38 to STA. 493+00



PROPOSED DRIVEWAY OPENINGS AT SHOULDER

TYPICAL DRIVEWAY OPENINGS

** SEE CROSS SECTIONS FOR GRADES WHERE MULTI-USE PATH CROSSES DRIVEWAY



PROPOSED DRIVEWAY OPENINGS AT CURB & GUTTER

TYPICAL DRIVEWAY OPENINGS

STRUCTURAL DESIGN TRAFFIC: YEAR 2022

PV = 30,583 SU = 1,512 MU = 1,512

ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 32% S = 45% M = 45%

TRAFFIC FACTOR ACTUAL TF = 11.47

MINIMUM TF = 6.03

SUBGRADE SUPPORT RATING:

SSR = POOR (STA 326+00 TO 493+00) US-14

HOT-MIX ASPHALT MIX REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ NDES
PAVEMENT RESURFACING (US 14)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm) (1 1/2")	4% @ 70 GYR.
POLIMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (3/4" - 1" PER LIFT)	3.5% @ 50 GYR.
FULL-DEPTH PAVEMENT RECONSTRUCTION (LILY POND RD)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (6 1/4") (2 LIFTS)	4% @ 70 GYR.
FULL-DEPTH PAVEMENT RECONSTRUCTION (RIDGEFIELD ROAD NORTH)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (7") (2 LIFTS)	4% @ 70 GYR.
PAVEMENT RESURFACING (RIDGEFIELD ROAD NORTH)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5 mm) (3/4" - 2 1/4" PER LIFT)	4% @ 70 GYR.
PAVEMENT RESURFACING (LILY POND RD)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5 mm) (3/4" - 2 1/4" PER LIFT)	4% @ 70 GYR.
PAVEMENT WIDENING (LILY POND RD)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5 mm) (3/4" - 2 1/4" PER LIFT)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19 mm), 6 1/4" (2 LIFTS)	4% @ 70 GYR.
PAVEMENT WIDENING (RIDGEFIELD ROAD NORTH)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) (2")	4% @ 70 GYR.
LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5 mm) (3/4" - 2 1/4" PER LIFT)	4% @ 70 GYR.
HOT-MIX ASPHALT BASE COURSE WIDENING (HMA BINDER IL-19 mm), 7" (2 LIFTS)	4% @ 70 GYR.
SHOULDER RECONSTRUCTION (RIDGEFIELD ROAD NORTH, LILY POND RD)	
HMA SHOULDER (HMA BINDER IL-19mm) (2 LIFTS)	4% @ 50 GYR.
PAVEMENT PATCHING (US 14, LAKE SHORE DR, DOTY RD)	
CLASS D PATCH (HMA BINDER IL-19mm) (10")	4% @ 70 GYR.
TEMPORARY PAVEMENT (SEE NOTE 3)	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
TEMP PAVEMENT (HMA BINDER IL-19mm) (8 1/4")	4% @ 50 GYR.
TEMPORARY HMA JOINT REPAIR	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
DRIVEWAYS (PRIVATE/ COMMERCIAL)	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 mm) PE-6", CE-8"	4% @ 50 GYR.
DRIVEWAYS (FIELD ENTRANCE)	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
WINTERIZED TEMPORARY ACCESS	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (2")	4% @ 50 GYR.
STABILIZED SUBBASE (US 14, LAKE SHORE DR, DOTY RD)	
STABILIZED SUBBASE-HOT MIX ASPHALT (HMA BINDER IL-19mm) (4 1/2")	3% @ 50 GYR.
MULTI-USE PATH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm) (1 1/2")	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, (HMA BINDER IL-19 mm), N50 (2 1/2")	4% @ 50 GYR.

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQY YD/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
3. CONTRACTOR OPTION: PC CONCRETE TEMPORARY PAVEMENT, SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS. THICKNESS SHALL BE 8-1/4".

NOTES

1. SEE SHEET 24 FOR LEFT TURN LANE DETAILS.

EXISTING LEGEND

REMOVAL

- (A) HMA PAVEMENT (VARIES 8" TO 12")
- (B) PCC PAVEMENT (VARIES 6 1/2" TO 8 1/4")
- (C) HMA PAVEMENT (4 1/2" AND VARIES)
- (D) HMA PAVEMENT (5" AND VARIES)
- (E) HMA PAVEMENT (6" AND VARIES)
- (F) CONCRETE MEDIAN SURFACE
- (G) CONCRETE CURB & GUTTER
- (H) HMA SHOULDER (8" & VARIES)
- (I) PCC BASE COURSE (10")
- (J) AGGREGATE SHOULDER
- (K) HMA SURFACE REMOVAL (VARIABLE DEPTH)
- (L) HMA SURFACE REMOVAL (2 1/4" MIN - COLD MILL)
- (M) HMA BINDER AND SURFACE CSE (3 1/2" & VARIES)

PROPOSED LEGEND

- (1) P.C.C. PAVEMENT 9 3/4" JOINTED
- (2) STABILIZED SUBBASE (HMA) 4 1/2"
- (3) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- (4) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/2"
- (5) COMB CC&G TB6.12
- (6) COMB CC&G TB6.24
- (7) PCC SHOULDERS, 9 3/4"
- (8) COURSE AGGREGATE FILL
- (9) HMA SHOULDERS, 8"
- (10) CONCRETE MEDIAN, TYPE SB (SPECIAL)
- (11) CONCRETE MEDIAN SURFACE 4"
- (12) TOPSOIL 6"
- (13) AGGREGATE SHOULDER, TYPE B 6"
- (14) LONGITUDINAL SAWED JOINT WITH NO. 6 TIE BARS @ 30" CTS
- (15) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 TIE BARS @ 24" CTS
- (16) NO. 6 TIE BARS @ 24" CTS
- (17) AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (18) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (19) HOT MIX-ASHPALT BASE COURSE WIDENING 6 1/4"
- (20) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (21) HOT-MIX ASPHALT BASE COURSE WIDENING 7"
- (22) AGGREGATE BASE COURSE, TYPE B 10" (SEE NOTE 14 SHEET 3)
- (23) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 8 1/4"
  HMA SURFACE COURSE, MIX "D", N70, 2"
  HMA BINDER COURSE, IL-19.0, N70, 6 1/4"
- (24) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 8 DOWEL BAR @ 24" CTS
- (25) HMA DRIVEWAY (SEE DISTRICT DETAIL BD-01)
- (26) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"
  HMA SURFACE COURSE, MIX "D", N70, 2"
  HMA BINDER COURSE, IL-19.0, N70, 7"
- (27) SODDING OR SEEDING (SEE LANDSCAPING PLANS)
- (28) TOPSOIL 18"
- (29) AGGREGATE SHOULDER, TYPE B 8"
- (30) CORRUGATED MEDIAN
- (31) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 1/2"
- (32) P.C.C. BASE COURSE WIDENING 10"
- (33) AGGREGATE WEDGE SHOULDER, TYPE B
- (34) COMB CC&G TM4.06
- (35) COMB CC&G TM4.24
- (36) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4" & VARIES)
- (37) TOPSOIL 24"
- (38) GRADING AND SHAPING SHOULDERS
- (39) AGGREGATE SURFACE COURSE, TYPE B SPECIAL 2"
- (40) AGGREGATE BASE COURSE, TYPE B 6"
- (41) SHOULDER RUMBLE STRIPS, 8 INCH