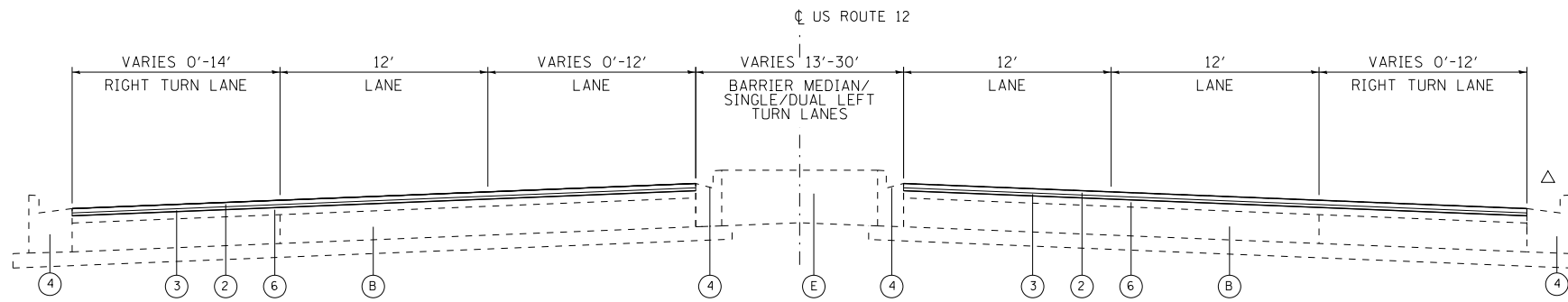


**** RESURFACING TREATMENT AT SHOULDER AND RUMBLE STRIP DETAILS**
N.T.S.

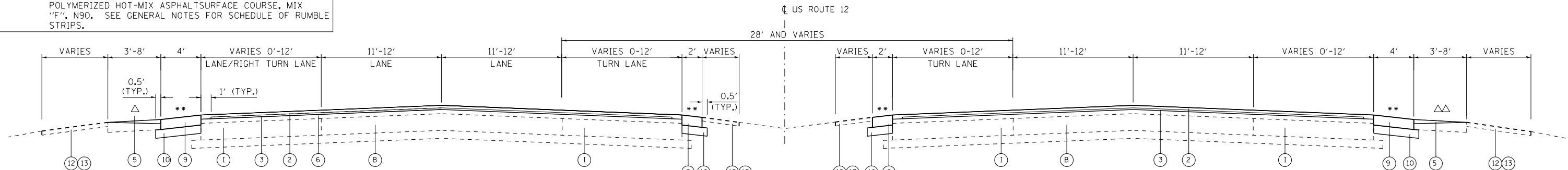
NOTE: INCREASED THICKNESS OF HMA SURFACE COURSE ALONG SHOULDER EDGE SHALL BE INCLUDED IN THE COST OF POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90. SEE GENERAL NOTES FOR SCHEDULE OF RUMBLE STRIPS.



PROPOSED TYPICAL SECTION

STA. 129+48 TO STA. 135+00
STA. 199+45 TO STA. 202+42
STA. 205+09 TO STA. 208+00
STA. 297+83 TO STA. 318+49
STA. 328+02 TO STA. 349+55

△ AGGREGATE SHLDR STA. 199+45 TO STA. 202+42

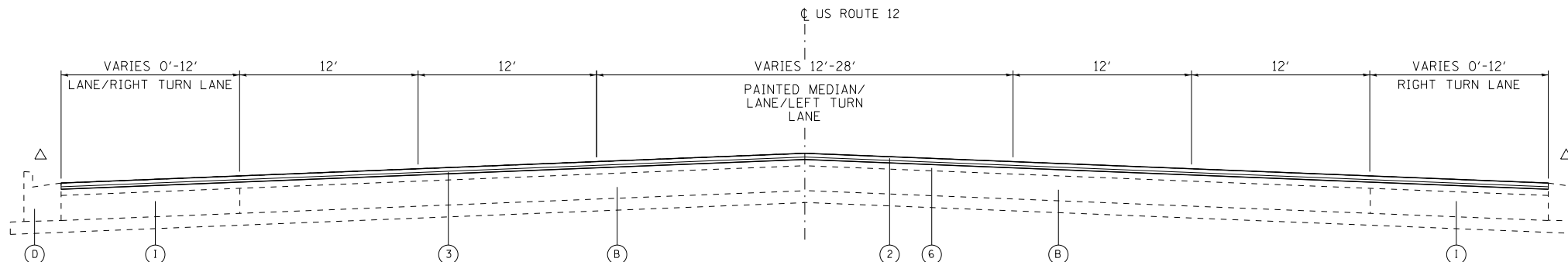


PROPOSED TYPICAL SECTION

STA. 135+00 TO STA. 199+45
STA. 202+42 TO STA. 205+09
STA. 208+00 TO STA. 250+00

△ CURB & GUTTER STA. 135+00 TO STA. 151+76
STA. 167+80 TO STA. 171+27
STA. 204+05 TO STA. 205+09

△△ CURB & GUTTER STA. 135+00 TO STA. 152+21
STA. 167+21 TO STA. 177+50
STA. 215+17 TO STA. 217+80
STA. 249+40 TO STA. 250+00



PROPOSED TYPICAL SECTION

STA. 250+00 TO STA. 297+83
STA. 318+49 TO STA. 328+02

△ PROP HOT-MIX ASPHALT SHOULDER AND AGGREGATE WEDGE SHOULDER STA. 250+00 TO STA. 265+10

△ PROP HOT-MIX ASPHALT SHOULDER AND AGGREGATE WEDGE SHOULDER STA. 250+00 TO STA. 259+03

EXISTING CONDITIONS

- (A) EXISTING HOT-MIX ASPHALT PAVEMENT, ±4"
- (B) PORTLAND CEMENT CONCRETE PAVEMENT, ±10"
- (C) COMBINATION CONCRETE CURB AND GUTTER, TYP.E B-6.12
- (D) COMBINATION CONCRETE CURB AND GUTTER, TYP.E B-6.24
- (E) BARRIER CONCRETE MEDIAN/GRASS MEDIAN
- (F) HMA SHOULDERS
- (G) AGGREGATE SHOULDERS
- (H) AGGREGATE SUBGRADE
- (I) HOT-MIX ASPHALT BASE COURSE, ±10"

PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL; 2 1/2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90; 1 3/4"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4" (MIN)
- (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AT LOCATIONS AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B (TAPER 3" TO 1" THICKNESS) - SEE SAFETY EDGE DETAIL
- (6) EXISTING HOT-MIX ASPHALT SURFACE AFTER PROPOSED SURFACE REMOVAL
- (7) OMITTED
- (8) OMITTED
- (9) HOT-MIX ASPHALT SHOULDERS, 8"
- (10) SUBBASE GRANULAR MATERIAL, TYPE B 6"
- (11) SHOULDER RUMBLE STRIPS, 8"
- (12) TOPSOIL FURNISH AND PLACE, 4"
- (13) SEEDING, CLASS 2A

NOTE:
THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING. SEE DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS (%) N _{DES}	QUALITY MANAGEMENT PROGRAM (QMP)
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR.	PFP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OCP
HMA SHOULDERS, 8"		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 GYR.	OCP
HOT-MIX ASPHALT (HMA BINDER IL-19mm); 6"	4% @ 50 GYR.	OCP
PATCHING		
CLASS D PATCH (HMA BINDER, IL-19mm)	4% @ 70 GYR.	OC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19mm)	4% @ 70 GYR.	OC/OA
DRIVEWAYS		
HMA SURFACE COURSE, MIX "D", N 50 (IL 9.5 mm); 2"	4% @ 50 GYR.	OC/OA
HMA BASE COURSE (HMA BINDER IL-19mm); 8"	4% @ 50 GYR.	OC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFP)		

THE UNIT WEIGHT TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD/IN

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 DISTRICT ONE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

COMPANY NAME: HRGreen
PROJECT CONTACT: HRGreen.com
DATE PLOTTED: 5/23/2014 11:59:18 AM
FILE NAME: 46100196.01-tyr-03.dgn
PLOT DRIVER: pdfcvt
PEN TABLE: standard-trans.tbl



USER NAME = dstencz	DESIGNED - J. ATTANASEO	REVISED -
PLOT SCALE = N.T.S.	DRAWN - J. ATTANASEO	REVISED -
PLOT DATE = 5/23/2014	CHECKED - T. HAMILTON	REVISED -
	DATE - 5/23/14	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N.T.S.	SHEET NO. 2 OF 2 SHEETS	STA. TO STA.
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**PROPOSED TYPICAL SECTION
US ROUTE 12 (ELA RD. TO LAKE COOK RD.)**

F.A.P. RTE. 334	SECTION SY-3-RS-4	COUNTY LAKE	TOTAL SHEETS 104	SHEET NO. 10
CONTRACT NO. 60N26			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	