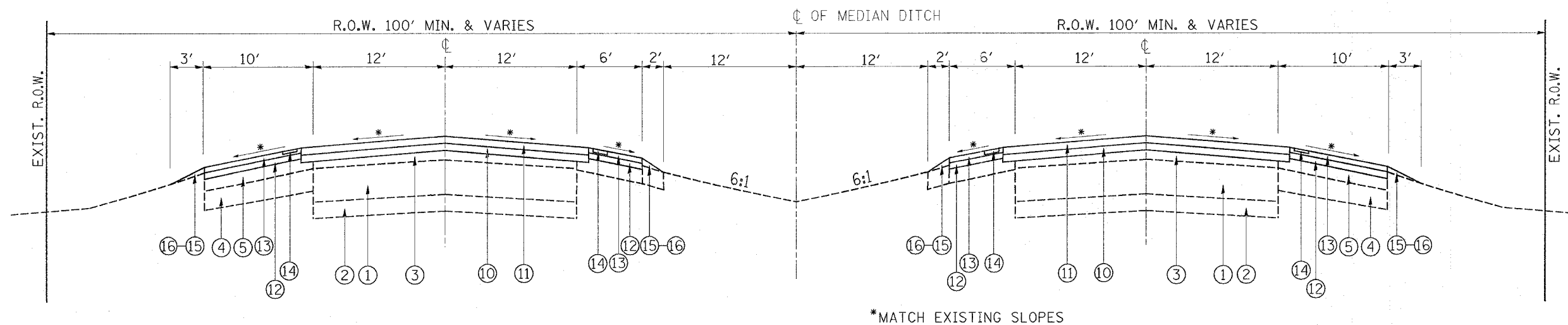


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	COOK	54	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(101, 0203B & 0303) RS-10				



IL-394
PROPOSED TYPICAL CROSS SECTION
STA. 247+10 TO STA. 434+06

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 10"
- ② EXISTING GRANULAR SUB BASE, 6"
- ③ EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), 2"
- ④ EXISTING HOT-MIX ASPHALT BINDER COURSE MIX. "B" TYPE 2, 1 3/4"
- ⑤ EXISTING HOT-MIX ASPHALT SURFACE COURSE MIX. "D" TYPE 2, 1 1/2"
- ⑥ EXISTING HOT-MIX ASPHALT SHOULDER, 8"
- ⑦ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑩ PROPOSED STONE MATRIX ASPHALT (SMA) BINDER COURSE, 2"
- ⑪ PROPOSED STONE MATRIX ASPHALT (SMA) SURFACE COURSE, 2"
- ⑫ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/4"
- ⑬ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑭ PROPOSED SHOULDER RUMBLE STRIP
- ⑮ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑯ PROPOSED GRADING AND SHAPING SHOULDER

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS(%)
PAVEMENT RESURFACING (MAINLINE)		
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80	SBS/SBR PG 76-28/-22	4% @ 80 GYR.
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80	SBS/SBR PG 76-28/-22	4% @ 80 GYR.
SHOULDER RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, (IL 9.5 mm)	PG 64-22	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, (IL-19.0 mm)	PG 64-22*	4% @ 70 GYR.
PATCHING		
CLASS D PATCHES 10" (HMA BINDER IL-25 mm)	PG 64-22	4% @ 105 GYR.
CLASS D PATCHES 16" (HMA BINDER IL-25 mm)	PG 64-22	4% @ 105 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 70 GYR.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. USE 135 LBS/SQ YD/IN FOR STONE MATRIX ASPHALT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
IL. ROUTE 394
TYPICAL CROSS SECTIONS
PROPOSED

SCALE
8/6/2007

DRAWN BY
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