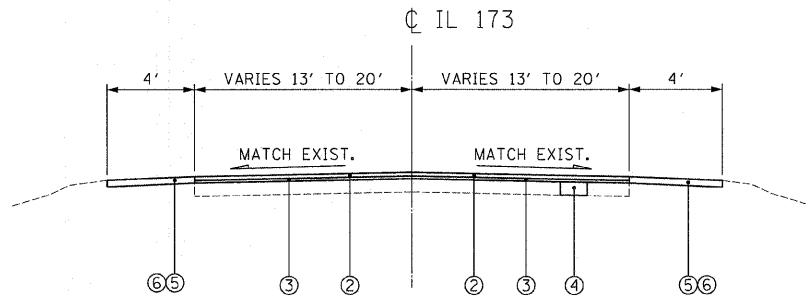


**EXISTING TYPICAL SECTION**  
 STA. 105+18 TO STA. 242+91  
 STA. 243+68 TO STA. 585+51  
 STA. 586+30 TO STA. 680+63  
 STA. 682+17 TO STA. 697+96



**PROPOSED TYPICAL SECTION**  
 STA. 105+18 TO STA. 242+91  
 STA. 243+68 TO STA. 585+51  
 STA. 586+30 TO STA. 680+63  
 STA. 682+17 TO STA. 697+96

**EXISTING CONDITIONS:**

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" AND VARIES
- (B) HOT-MIX ASPHALT BASE COURSE, 9"
- (C) AGGREGATE SHOULDER

**PROPOSED IMPROVEMENTS:**

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) CLASS D PATCHES, 10" (DETERMINED BY ENGINEER IN FIELD)
- (5) AGGREGATE WEDGE SHOULDER, TYPE B
- (6) GRADING AND SHAPING SHOULDERS

A QUANTITY FOR LEVELING BINDER (HAND METHOD) HAS BEEN PROVIDED FOR USE AT ENTRANCES AFTER GRINDING OF EXISTING PAVEMENT.

\* THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART**

OPERATIONS	MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
ROADWAY RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5MM)	PG 64-22	4% @ 70 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR
MAINTENANCE OF TRAFFIC	LEVELING BINDER (HAND METHOD), N70 (IL-9.5MM)	PG 64-22 *	4% @ 70 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 10" (HMA BINDER IL-19 MM)	PG 64-22 *	4% @ 70 GYR
DRIVES BEHIND CURB	HOT-MIX ASPHALT SURFACE COURSE MIX "C" N50 (IL-9.5MM) 2" THICKNESS	PG 64-22	4% @ 50 GYR
	HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19 MM)	PG 64-22 *	4% @ 50 GYR

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

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

FILE NAME = N:\PROJ\3256\3256\_21\Drawings\Proposed\173\3256\_21-04-Typical Sections.dgn

**CG** Ciorba Group, Inc.  
 CONSULTING ENGINEERS  
 5507 North Cumberland Avenue, Suite 402  
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 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = elou	DESIGNED - EPS	REVISED -
PLOT SCALE = 5.0000 "/ IN.	DRAWN - EPS	REVISED -
PLOT DATE = 4/21/2009	CHECKED - WBL	REVISED -
	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**IL 173  
 ALDEN ROAD TO US 12  
 TYPICAL SECTIONS**  
 SCALE: N.T.S. SHEET NO. 4 OF 36 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	(132, 133 & 134) RS-5	MCHENRY	36	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 62496