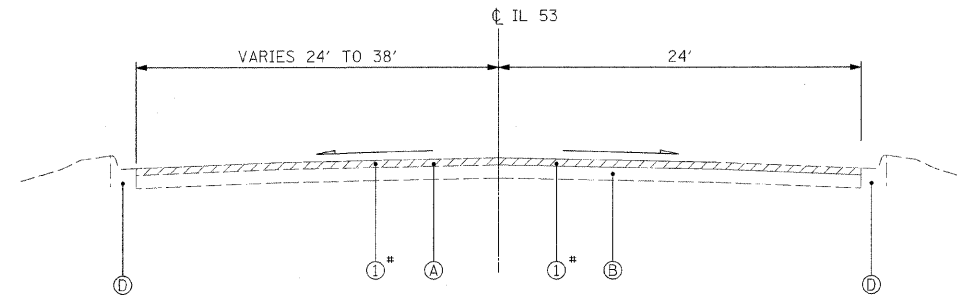
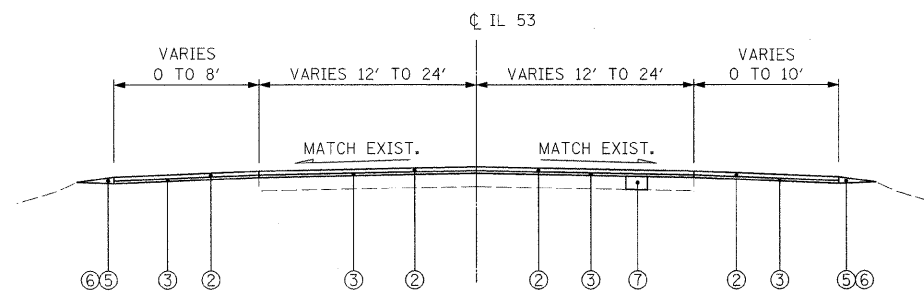


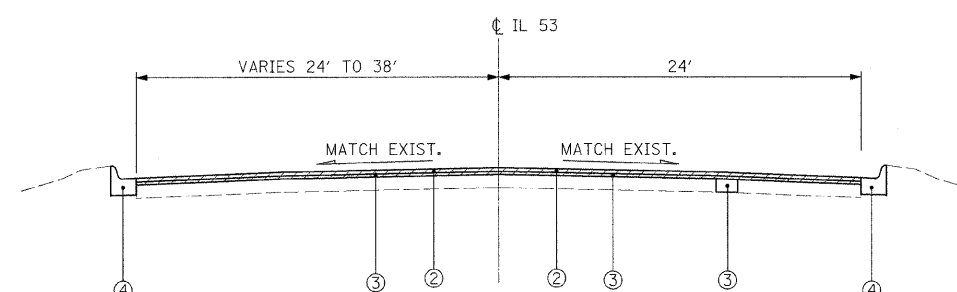
EXISTING TYPICAL SECTION  
STA. 98+70.00 TO STA. 123+00.00



EXISTING TYPICAL SECTION  
STA. 123+00.00 TO STA. 153+68.00



PROPOSED TYPICAL SECTION  
STA. 98+70.00 TO STA. 123+00.00



PROPOSED TYPICAL SECTION  
STA. 123+00.00 TO STA. 153+68.00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

OPERATIONS	MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
ROADWAY AND BRIDGE APPROACH 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
	LEVELING BINDER (HAND METHOD), N70 (IL-9.5MM)	PG 64-22 *	4% @ 70 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 13" (HMA BINDER IL-19 MM)	PG 64-22 *	4% @ 70 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.

EXISTING CONDITIONS:

- Ⓐ HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 5" AND VARIES
- Ⓑ PORTLAND CEMENT CONCRETE BASE COURSE, 10"
- Ⓒ HOT MIX ASPHALT SHOULDER
- Ⓓ COMBINATION CONCRETE CURB AND GUTTER

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 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER)
- ⑤ AGGREGATE WEDGE SHOULDER
- ⑥ GRADING AND SHAPING SHOULDERS
- ⑦ CLASS D PATCHES, 13" (DETERMINED BY ENGINEER IN FIELD)

\* THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

FILE NAME: n:\p\proj\3329\3329\_37\design\proposed\plan\3329\_37\_04-Typical\_Section.dgn



**Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
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USER NAME = aleu	DESIGNED - EPS	REVISED -
PLOT SCALE = 5/8000' / IN.	DRAWN - MLB	REVISED -
PLOT DATE = 1/13/2009	CHECKED - WBL	REVISED -
DATE = 1/13/2009	DATE = 1/13/2009	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 53  
ST. CHARLES ROAD TO MADISON STREET  
TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
870	533 X-RS-4	DUPAGE	18	4
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 60E20	