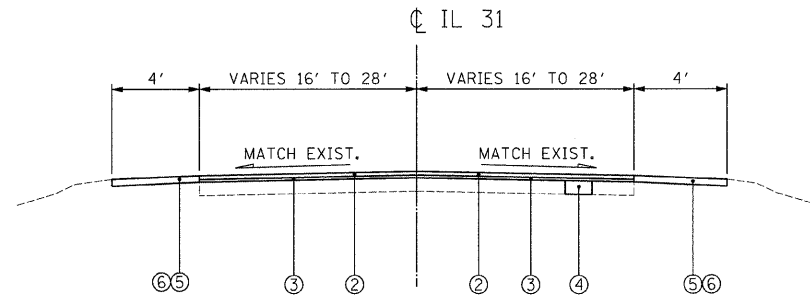


EXISTING TYPICAL SECTION
 STA. 103+61 TO STA. 327+28
 STA. 328+99 TO STA. 401+50



PROPOSED TYPICAL SECTION
 STA. 103+61 TO STA. 327+28
 STA. 328+99 TO STA. 401+50

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

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, 3" AND VARIES
- Ⓑ HOT-MIX ASPHALT BASE COURSE, 9"
- Ⓒ 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

FILE NAME = I:\PROJECTS\3366\19\Drawings\Proposed\19-04-Typical Sections.dgn

CG Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
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USER NAME = alou	DESIGNED - NT	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN - NT	REVISED -
PLOT DATE = 4/20/2009	CHECKED - WBL	REVISED -
	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL 31
 JOHNSBURG ROAD TO US 12 (TYRON GROVE ROAD)
 TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 4 OF 27 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 111 R-RS	COUNTY MCHENRY	TOTAL SHEETS 27	SHEET NO. 4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60H46	