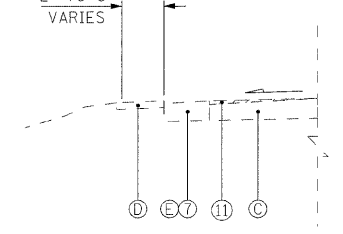
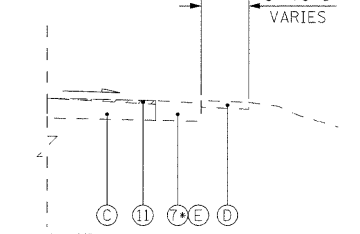


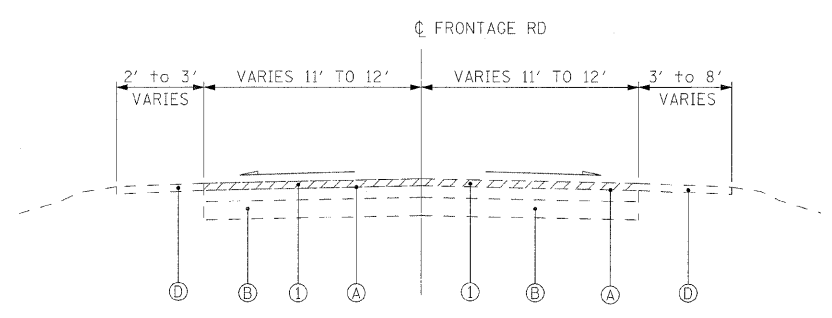
EXISTING TYPICAL SECTION  
STA. 301+35 TO STA. 318+91  
STA. 337+45 TO STA. 338+31



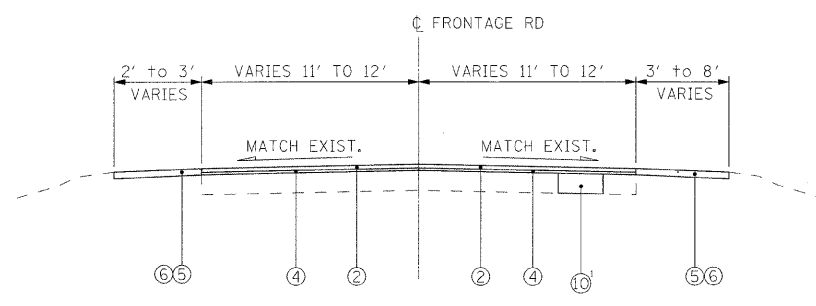
EXISTING TYPICAL SECTION  
STA. 301+35 TO STA. 304+93  
EXCEPT TYPE B GUTTER SECTIONS AS NOTED



EXISTING TYPICAL SECTION  
STA. 305+30 TO STA. 315+40  
EXCEPT TYPE B GUTTER SECTIONS AS NOTED  
AS DIRECTED BY ENGINEER

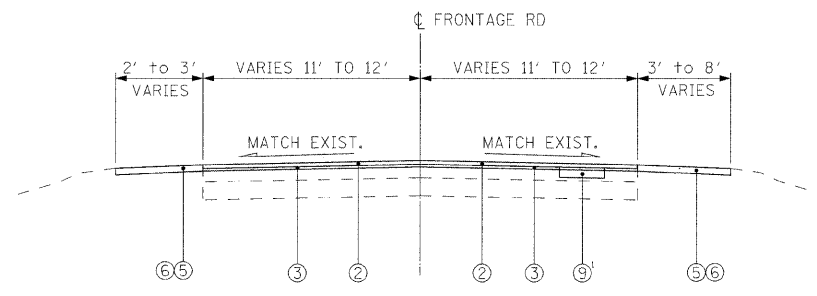


EXISTING TYPICAL SECTION  
STA. 318+91 TO STA. 337+45  
STA. 338+31 TO STA. 379+96

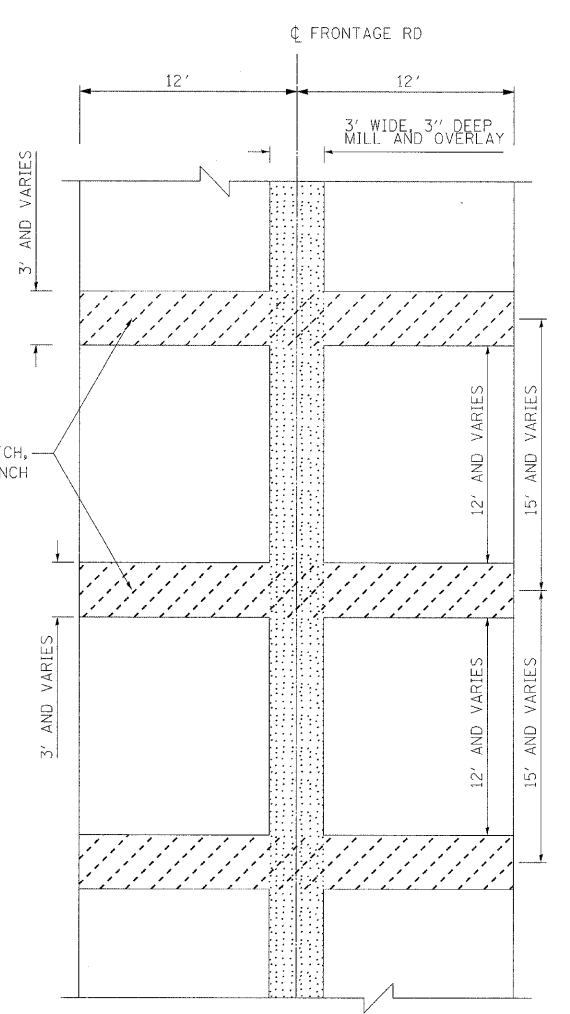


PROPOSED TYPICAL SECTION  
STA. 301+35 TO STA. 318+91  
STA. 337+45 TO STA. 338+31

AGGREGATE SHOULDER BEHIND CURB & GUTTER SHALL ALSO BE 5 & 6



PROPOSED TYPICAL SECTION  
STA. 318+91 TO STA. 337+45  
STA. 338+31 TO STA. 379+96



TYPICAL PATCHING  
STA. 301+35 TO STA. 319+91  
STA. 337+45 TO STA. 338+31  
ADDITIONAL PATCHING SHALL BE MARKED IN THE FIELD BY THE ENGINEER.

**EXISTING CONDITIONS:**

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 6" AND VARIES
- (B) AGGREGATE BASE COURSE
- (C) PORTLAND CEMENT CONCRETE PAVEMENT
- (D) AGGREGATE SHOULDER
- (E) TYPE B GUTTER

**PROPOSED IMPROVEMENTS:**

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), N70, 1"
- (5) AGGREGATE WEDGE SHOULDER, TYPE B
- (6) GRADING AND SHAPING SHOULDERS
- (7) GUTTER REMOVAL  
PROPOSED TYPE B GUTTER
- (8) MILL AND OVERLAY, HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 3"
- (9) CLASS D PATCHES, 5" (DETERMINED BY ENGINEER IN FIELD)<sup>1</sup>
- (10) CLASS D PATCHES, 9" (DETERMINED BY ENGINEER IN FIELD)<sup>1</sup>
- (11) PORTLAND CEMENT CONCRETE REMOVAL (VARIABLE DEPTH) SEE SHEET 12

\* THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

<sup>1</sup> QUANTITIES FOR EARTH EXCAVATION AND AGGREGATE BASE REPAIR HAVE BEEN INCLUDED FOR SUBGRADE FAILURES BELOW THE CLASS D PATCHES

A QUANTITY FOR LEVELING BINDER (HAND METHOD) HAS BEEN PROVIDED FOR USE AT ENTRANCES, AROUND HAND HOLES, PRIVATE UTILITY STRUCTURE FRAMES AND ANY OTHER STRUCTURE FRAMES THAT ARE NOT ABLE TO BE LOWERED UNDER THE ITEM "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)" AFTER GRINDING OF THE EXISTING PAVEMENT.

**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
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22 *	4% @ 70 GYR
	LEVELING BINDER (MACHINE METHOD), N70 (IL 9.5 MM)	PG 64-22 *	4% @ 70 GYR
MAINTENANCE OF TRAFFIC	LEVELING BINDER (HAND METHOD), N50	PG 64-22 *	4% @ 50 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 5" (HMA BINDER IL-19 MM), N50	PG 64-22 *	4% @ 70 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 9" (HMA BINDER IL-19 MM), N50	PG 64-22 *	4% @ 70 GYR
PARTIAL DEPTH PATCHING, 3"	CLASS D PATCHES, 3" (HMA BINDER IL-19 MM), N50	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.

FILE NAME = n:\p\proj\33488\33488.dgn\design\p\opensep\ton\32868.dgn\94-typical Sections.dgn

**Ciorba Group, Inc.**  
CONSULTING ENGINEERS  
5507 North Cumberland Avenue, Suite 402  
Chicago, Illinois 60656  
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = mready	DESIGNED MWR	REVISED -
PLOT SCALE = 5.0000' / IN.	DRAWN MWR	REVISED -
PLOT DATE = 3/31/2009	CHECKED WBL	REVISED -
	DATE 3/31/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NB I-55 EAST FRONTAGE ROAD  
IL 53 TO JOLIET ROAD  
TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 4 OF 16 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3510	29 R-2AC-RS-1	WILL	16	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F58	