







PROPOSED TYPICAL SECTION STA. 119+50 TO STA. 191+49 STA. 193+44 TO STA. 213+74

STA. 193+44 TO STA. 213+74

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" AND VARIES
- B PORTLAND CEMENT CONCRETE BASE COURSE, 9"
- © COMBINATION CONCRETE CURB AND GUTTER
- D RAISED CONCRETE MEDIAN
- (E) HOT-MIX ASPHALT SHOULDER

PROPOSED IMPROVEMENTS:

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER)
- (5) CLASS D PATCHES, 9" (DETERMINED BY ENGINEER IN FIELD)
- 6 AGGREGATE WEDGE SHOULDER, TYPE B
- 7 GRADING AND SHAPING SHOULDERS

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 ADJUSED (SPECIAL)" AFTER GRINDING OF THE EXISITING PAVEMENT.

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

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, 9" (HMA BINDER IL-19 MM)	PG 64-22 *	4% ⊚ 70 GYR	
FAVEMENT FATCHING	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (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.

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tal 779 775 4000 Fav 779 775 4044

USER NAME = alau	DESIGNED MWR	REVISED -
	DRAWN MWR	REVISED -
PLOT SCALE = 5.00000 '/ IN.	CHECKED WBL	REVISED -
PLOT DATE = 4/2/2009	DATE 4/2/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 56 (BUTTERFIELD ROAD) TO CANTERBURY ROAD		F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.		
		1521	W-RS-4	KANE	22	4		
TYPICAL SECTIONS					CONTRACT	NO. 6	OF 45	
SCALE: N.T.S.	SHEET NO. 4 OF 22 SHEETS	STA.	TO STA.	FED. R	DAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT		