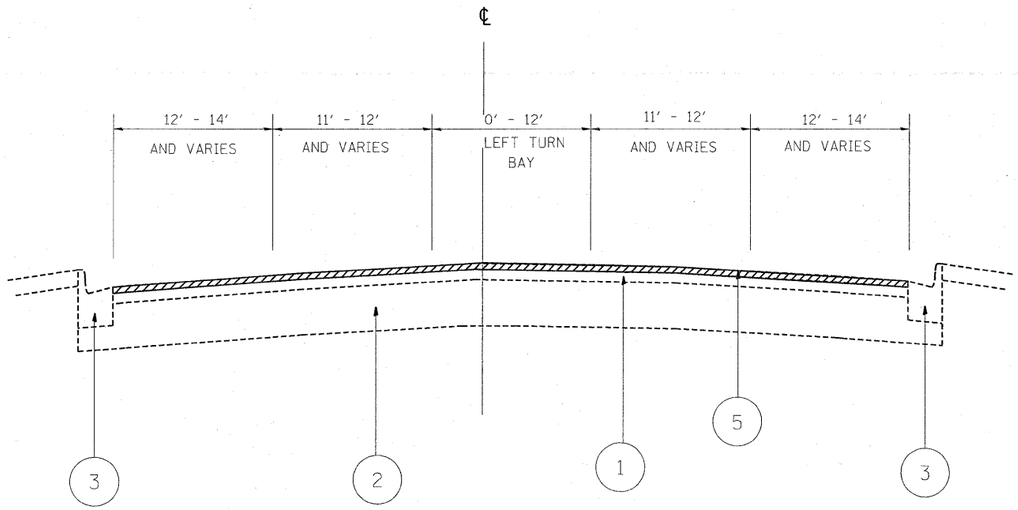


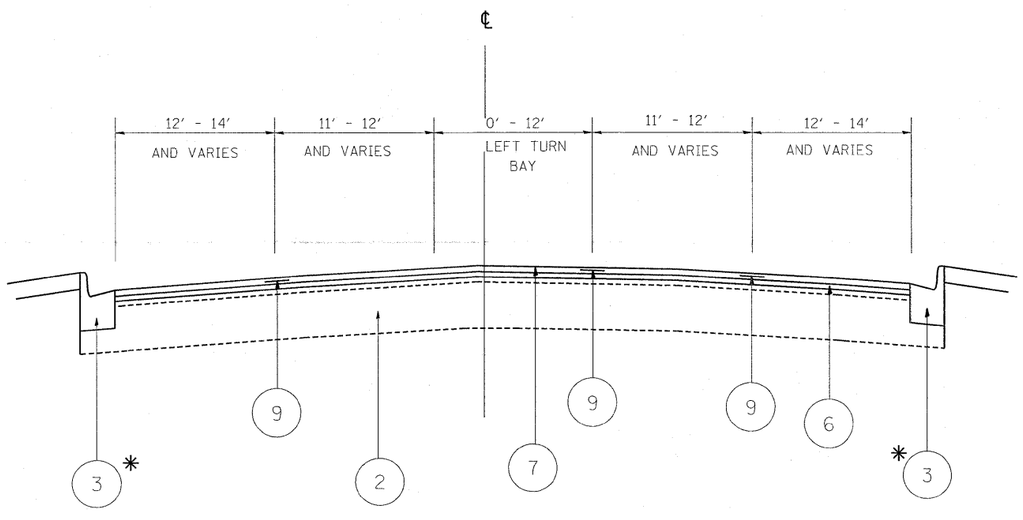
CRYSTAL LAKE AVENUE

EXISTING TYPICAL SECTION

STA. 13+48 TO STA. 21+82

LEGEND

1. EXISTING HOT-MIX ASPHALT SURFACE, 3" ±
2. EXISTING HOT-MIX ASPHALT BASE COURSE, 8" ±
3. EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24
4. EXISTING AGGREGATE SHOULDERS
5. PROPOSED HOT MIX ASPHALT SURFACE REMOVAL, 2 1/4"
6. PROPOSED LEVELING BINDER (MACHINE METHOD), N70, 3/4"
7. PROPOSED HOT MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
8. PROPOSED AGGREGATE WEDGE SHOULDER TYPE B
9. PROPOSED STRIP REFLECTIVE CRACK CONTROL



CRYSTAL LAKE AVENUE

PROPOSED TYPICAL SECTION

STA. 13+48 TO STA. 21+82

* CURB AND GUTTER AND SIDEWALK LOCATIONS TO BE DETERMINE BY R.E.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AC TYPE	AIR VOIDS(%)
IL 31 – PAVEMENT RESURFACING (MAINLINE)		
POLYMERIZED HOT–MIX ASPHALT SURFACE COURSE, MIX "F", N90	SBS/SBR PG 70–22	4% @ 90 GYR.
LEVELING BINDER (MM) N70	PG 64–22 *	4% @ 70 GYR.
HOT–MIX ASPHALT BASE COURSE WIDENING, 11"	PG 64–22 /58–22	4% @ 90 GYR.
CRYSTAL LAKE AVENUE – PAVEMENT RESURFACING		
HOT–MIX ASPHALT SURFACE COURSE, MIX "D", N70	PG 64–22 *	4% @ 70 GYR.
LEVELING BINDER (MM), N70	PG 64–22 *	4% @ 70 GYR.
PATCHING		
CLASS D PATCHES TYPE II, 11" & 15 1/4", (BINDER IL–19 mm)	PG 64–22 *	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL–19 mm)	PG 64–22 *	4% @ 70 GYR.

* WHEN RAP EXEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58–22.

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT–MIX ASPHALT SURFACE MIXTURE QUANTATIES IS 112 LBS/SQ YD/IN.

FILE NAME = c:\projects\d103408\design_aa.dgn	USER NAME = bankslt	DESIGNED -	REVISED - △2 2/18/08 L.B.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 31 @ CRYSTAL LAKE AVENUE EXISTING AND PROPOSED TYPICAL CROSS SECTIONS	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			336	112 R-N-1	McHenry	31	6
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 60D52		
	PLOT DATE = 2/15/2008	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		