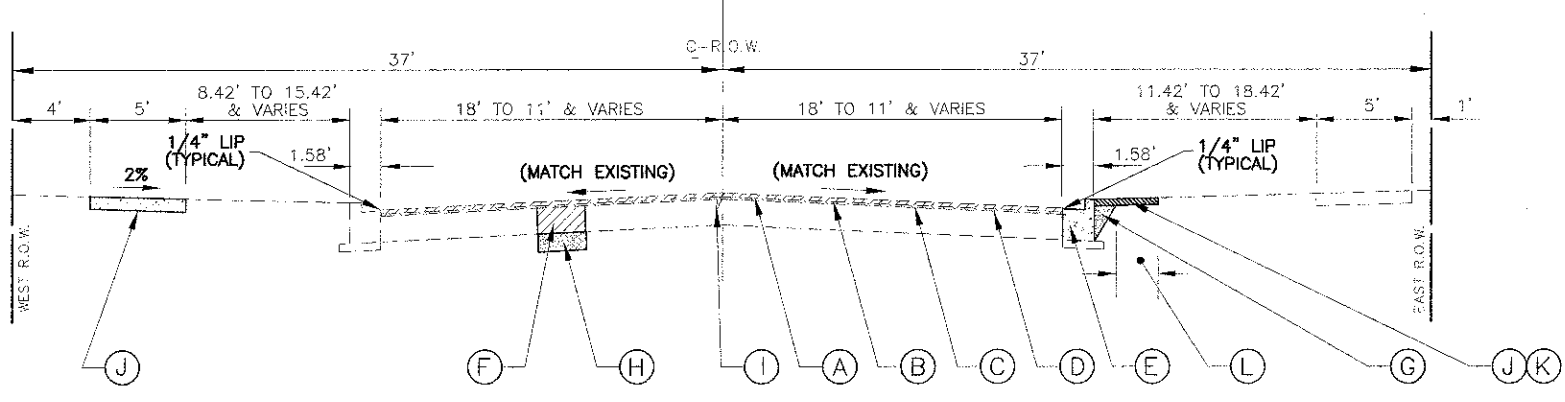


**EXISTING TYPICAL SECTION**  
 31st STREET TO VIADUCT  
 STA. 46+69 TO STA. 53+12



**PROPOSED TYPICAL SECTION**  
 31st STREET TO VIADUCT  
 STA. 46+69 TO STA. 53+12  
**EAST AVENUE**

**NOTE:**  
 ALL "AREA REFLECTIVE CRACK CONTROL TREATMENT" SHALL HAVE A WEIGHT OF 6 OZ. PER SQUARE YARD.

**EXISTING LEGEND**

- (A) HOT-MIX ASPHALT SURFACE COURSE, 1 1/2"
  - (B) HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
  - (C) LEVELING BINDER (1" AVG.) TO REMAIN
  - (D) HOT-MIX ASPHALT BASE COURSE, 8"
  - (E) SUBBASE GRANULAR MATERIAL, TYPE B, 4" TO REMAIN
  - (F) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12
  - (G) PORTLAND CEMENT CONCRETE DRIVEWAY, ALLEY RETURN, SIDEWALK, COURTESY WALK, CARRIAGE WALK, AND GRASS PARKWAY
  - (H) PROPOSED "HOT-MIX ASPHALT SURFACE REMOVAL, 3 INCH", (FULL WIDTH)
- ▨ INDICATES REMOVAL ITEM

**NOTE:** CONTRACTOR SHALL MILL BEFORE PATCHING.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AIR VOIDS @ NDES
<b>PAVEMENT RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm), 2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50, 1"	4% @ 50 GYR
<b>PATCHING</b>	
CLASS D PATCH, (HMA BINDER IL-19 mm), 9" (IN 3 LIFTS)	4% @ 70 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.  
 "THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS  
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS

**PROPOSED LEGEND**

- (A) "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH
- (B) "AREA REFLECTIVE CRACK CONTROL TREATMENT" (6 OZ.) BETWEEN LEVELING BINDER AND SURFACE COURSE
- (C) "LEVELING BINDER (MACHINE METHOD), N50," 1 INCH
- (D) "AGGREGATE (PRIME COAT)" AT A RATE OF 2 LBS/SY OVER "BITUMINOUS MATERIALS (PRIME COAT)" AT 0.10 GAL/S.Y.
- (E) "COMBINATION CURB AND GUTTER REMOVAL" AND "COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12" AS SHOWN ON PLANS AND CONSTRUCTED ADJACENT TO EXISTING "HOT-MIX ASPHALT BASE COURSE", 8"
- (F) "CLASS D PATCHES, TYPE I-IV, 9 INCH"- (IN 3 LIFTS) AS DIRECTED AT LOCATIONS BY THE ENGINEER
- (G) "COARSE AGGREGATE" BACKFILL BENEATH SIDEWALK
- (H) "AGGREGATE SUBGRADE IMPROVEMENT" AND "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL"- AS DIRECTED AT LOCATIONS BY THE ENGINEER
- (I) "MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS" AS APPLICABLE
- (J) "SIDEWALK REMOVAL" AND "PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH" AS SHOWN ON PLANS
- (K) "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4 INCH" (2' WIDTH MAX.)
- (L) "SOD STRIPPING, 2 INCH DEPTH" (1.5' WIDTH MAX.)

**IMPORTANT!**  
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

**Frank Novotny & Associates, Inc.**  
 Civil Engineers  
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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00068

FILE NAME CITY OF BERWYN EAST AVENUE 31st STREET TO CERMAK ROAD RESURFACING	USER NAME =	DESIGNED - AMS DRAWN - JFP CHECKED - JFP DATE - 2-1-13	REVISED - JEF 3-13-13 REVISED - JEF 4-5-13
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS &amp; HOT-MIX ASPHALT MIXTURE REQUIREMENTS</b>	
SCALE: 1"=5'	SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2779	09-00167-00-RS	COOK	31	4
CONTRACT NO. 63837			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-4003(087)	