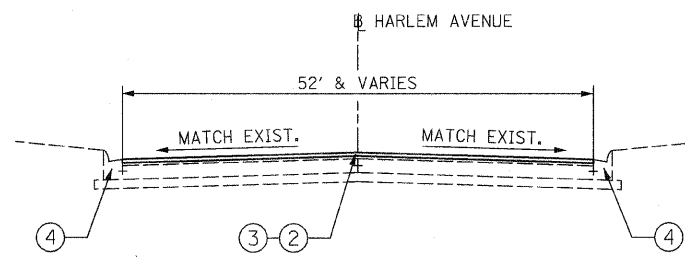
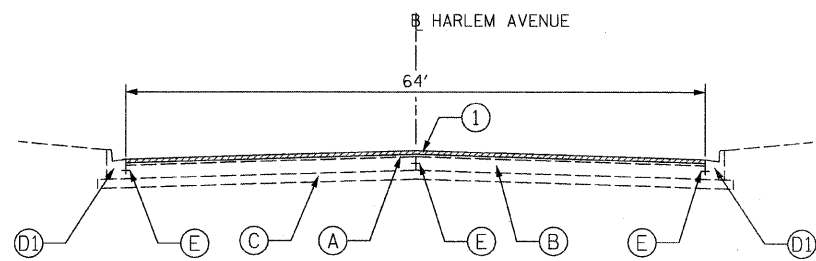


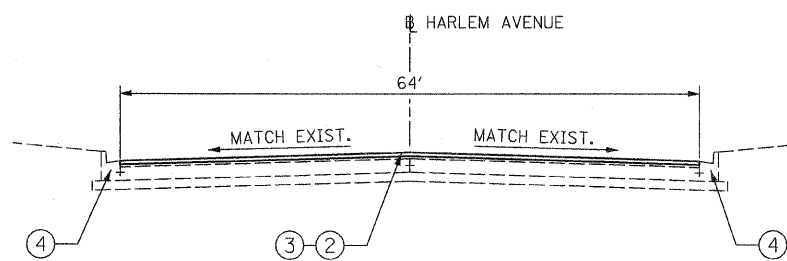
EXISTING TYPICAL SECTION  
STA. 16+50 TO STA. 55+90



PROPOSED TYPICAL SECTION  
STA. 16+50 TO STA. 55+90



EXISTING TYPICAL SECTION  
STA. 13+30 TO STA. 16+50  
STA. 55+90 TO STA. 61+51



PROPOSED TYPICAL SECTION  
STA. 13+30 TO STA. 16+50  
STA. 55+90 TO STA. 61+51

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" & VARIES
- (B) P.C. CONCRETE BASE COURSE, 9"
- (C) SUBBASE GRANULAR MATERIAL, 4" & VARIES
- (D) COMBINATION CONCRETE CURB & GUTTER, TYPE M-6.12
- (D1) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (E) TIE BAR

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) COMB. CONC. CURB AND GUTTER REMOVAL AND REPLACEMENT  
(LOCATION AS DETERMINED BY THE ENGINEER)

NOTE:

THE CONTRACTOR SHALL PATCH FIRST.

ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
HARLEM AVENUE	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 GYR.
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
	CLASS D PATCHES (HMA 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.
	DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm)	PG 64-22 * PG 64-22 / 58-22	4% @ 50 GYR. 4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA 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 = D160093-shr-typical.dgn  
PLOT DATE = 4/15/2009

**CHRISTIAN-ROGE & ASSOCIATES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
211 WEST WACKER DRIVE  
CHICAGO, ILLINOIS 60606  
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - M.P.  
DRAWN - B.K.  
CHECKED - G.F.L.  
DATE - APRIL 2009

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS  
HARLEM AVENUE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 2766	SECTION 3839 RS-4	COUNTY COOK	TOTAL SHEETS 17	SHEET NO. 4
CONTRACT NO. 60693				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				