SKOKIE BOULEVARD (U.S. ROUTE 41)

STRUCTURAL DESIGN TRAFFIC: YEAR 2030
PV= 28,381 SU= 300 MU= 1,194

ROAD/STREET CLASSIFICATION: CLASS I

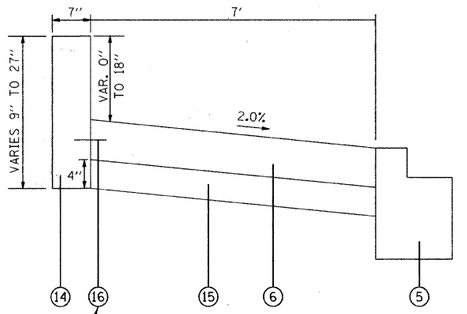
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P= 8% S= 37% M= 37%

TRAFFIC FACTOR: ACTUAL TF= 6.48 AC TYPE= SBS/SBR PG 70-22
MINIMUM TF= 4.96

THICKNESS BINDER= 2.25" SURFACE= 1.75"

PCC BASE COURSE THICKNESS= 9"

SUBGRADE SUPPORT RATING:
SSR= POOR IBR= 3.0



NOTE: THE CONTRACTOR HAS THE OPTION OF POURING THE CONCRETE CURB, TYPE B MONOLITHICALLY WITH THE SIDEWALK OR SEPARATELY. THE TIE BARS SHALL BE NO. 4 X 12" EPOXY COATED AT 12" CENTERS AND SHALL BE INCLUDED IN THE COST OF THE CONCRETE CURB, TYPE B (SPECIAL).

CONCRETE CURB TYPE B (SPECIAL) DETAIL

(STA 140+53 TO 142+13, LT)

HMA MIX REQUIREMENT CHART

MIXTURE TYPE	AIR VOIDS @ Ndes
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL 9.5mm) 1¾"	4% @ 90 GYRATIONS
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 2¼"	4% @ 90 GYRATIONS
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 ¾"	4% @ 50 GYRATIONS
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYRATIONS
DRIVEWAYS	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 2"	4% @ 50 GYRATIONS
HMA BASE COURSE (HMA BINDER IL - 19mm) 8" (IN 3 LIFTS)	4% @ 50 GYRATIONS
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 2" (TEMPORARY PAVEMENT)	4% @ 50 GYRATIONS
HMA BINDER COURSE (IL - 19mm) 8" (TEMPORARY PAVEMENT) (IN 3 LIFTS)	4% @ 50 GYRATIONS
HMA BASE COURSE (HMA BINDER IL-19mm) (HOT-MIX ASPHALT FOR PATCHING POTHOLES)	4% @ 70 GYRATIONS

NOTES: 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
2) 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 "PERCENT OF RAP" SEE SPECIAL PROVISIONS.

PROPOSED LEGEND

1. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 ¾"
2. POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 - 2 ¼"
3. PORTLAND CEMENT CONCRETE BASE COURSE 9" (SAWED TRANSVERSE CONTRACTION CUTS, 3" DEPTH, AT 15' SPACING INCLUDED IN COST OF PCC BASE COURSE)
4. SUB-BASE GRANULAR MATERIAL, TYPE B 6"
5. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12, TYPE B-6.18, TYPE B-6.24, OR TYPE B-6.12 (SPECIAL) (AS DETAILED ON PLANS)
6. PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
7. TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT PHOSPHOROUS FERTILIZER NUTRIENT
8. LONGITUDINAL SAWED JOINT (NO. 6 X 30" EPOXY COATED TIE BARS @ 30" CTS) (STANDARD 420001) (INCLUDED IN THE COST OF PCC BASE COURSE)
9. LONGITUDINAL CONSTRUCTION JOINT TIE BAR FORMED IN PLACE (NO. 6 X 30" EPOXY COATED TIE BARS @ 24" CTS) (STANDARD 420001) (INCLUDED IN THE COST OF PCC BASE COURSE)
10. LONGITUDINAL CONSTRUCTION JOINT TIE BAR GROUTED IN PLACE (NO. 6 X 24" EPOXY COATED TIE BARS @ 24" CTS) (STANDARD 606001) (INCLUDED IN THE COST OF COMBINATION CURB & GUTTER OR CONCRETE MEDIAN)
11. NOT USED
12. CONCRETE MEDIAN, TYPE SB-6.12
13. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, VARIABLE DEPTH
14. CONCRETE CURB, TYPE B (SPECIAL) (SEE DETAIL)
15. SUB-BASE GRANULAR MATERIAL, TYPE B 4"
16. NO. 4 X 12" EPOXY COATED TIE BARS @ 12" CTS
17. CLASS C PATCHES, 9" FOR STORM SEWER AND WATER MAIN
18. AGGREGATE SUBGRADE, 12"

TranSystems
1475 EAST WOODFIELD ROAD, SUITE 600
SCHAUMBURG, ILLINOIS 60173
(847) 605-9600

FILE NAME = g:\ch08\0045\road\sheets\0145-G-1060-Typ1.sht	USER NAME = CEComin	DESIGNED ESN	REVISED -
		DRAWN ESN	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED DWB	REVISED -
	PLOT DATE = 10/26/2011	DATE 10/26/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 41 (SKOKIE BOULEVARD)
TYPICAL SECTIONS

SCALE: NTS | SHEET NO. 3 OF 3 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	00-00243-00-CH	COOK	142	14
		CONTRACT NO. 63566		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		