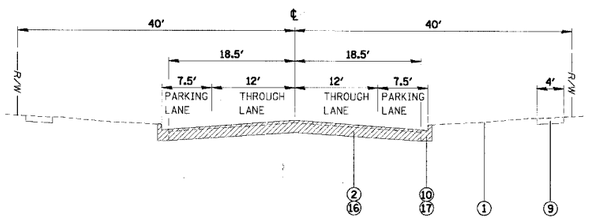
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	6
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799

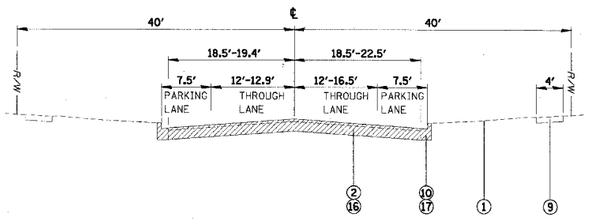
DESIGN DESIGNATION - LOCAL COLLECTOR
STRUCTURAL DESIGN TRAFFIC: YEAR 2025
PV= 3040 SU= 128 MU= 32
ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P= 95% S= 4% M= 1%

TRAFFIC FACTOR: MINIMUM TF= 0.27 ACTUAL TF= 0.85
SUBGRADE SUPPORT RATING:
SSR= FAIR (ENTIRE PROJECT)



EXISTING TYPICAL SECTION
STA. 6+01.08 TO STA. 9+67.90
STA. 14+30 TO STA. 81+17.72



EXISTING TYPICAL SECTION
STA. 10+32.34 TO STA. 14+30

SOILS NOTE:

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE AND GROUND FABRIC FOR GROUND STABILIZATION. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

STA. TO STA.	ESTIMATED UNDERCUT
26+50 TO 29+40	12"
44+20 TO 47+20	12"
77+70 TO 80+20	12"

LEGEND

1. EXISTING GROUND LINE
2. EXISTING PAVEMENT - 12" THICKNESS (6" ASPHALT, 6" STONE)
3. AGGREGATE BASE COURSE, TYPE B, 8"
4. * BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50 (2")
5. BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50 (7") •
6. COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
7. TOPSOIL FURNISH AND PLACE 4"
8. POROUS GRANULAR EMBANKMENT, SUBGRADE (AS REQUIRED)
9. EXISTING SIDEWALK
10. EXISTING CURB & GUTTER
11. EXISTING SUBGRADE TO REMAIN (VAR. DEPTH)
12. EXISTING CURB & GUTTER TO REMAIN
13. POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (QC/QA) (1.0" & VARIES)
14. SODDING, SALT TOLERANT
15. BITUMINOUS SURFACE REMOVAL - 3"
16. PAVEMENT REMOVAL
17. COMBINATION CURB AND GUTTER REMOVAL
19. PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
20. SUB-BASE GRANULAR, TYPE B, 6"
21. No. 8 DOWEL BARS @ 24" ON CENTER (INCLUDED IN THE COST OF ADJACENT PAVEMENT)

• ITEM #5 (BITUMINOUS CONCRETE BINDER COURSE) SHALL BE PLACED IN LAYERS (2 1/4" TO 3" THICKNESS PER LAYER)

	EARTH EXC. CU YD	UNDERCUT AND PGE CU YD	EMBANKM. CU YD	EARTH. •• SHRINKAGE CU YD	BALANCE • CU YD
TOTAL	15327.5	1373	937	13028	12091

• EARTHWORK BALANCE WASTE (+) SHORTAGE (-)

•• EARTH EXCAVATION (FILL) ADJUSTED FOR SHRINKAGE 15%

BITUMINOUS MIXTURE REQUIREMENT

	ITEM	AC TYPE	VOIDS	RAP%
*	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N50	PG 64-22	4 % @ 50 GYR	15%
	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4 % @ 50 GYR	25%
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	SBS/SBR PG 76-28	2.5 % @ 50 GYR	0%
	CLASS D PATCHES (SPECIAL) 6-INCHES, SUPERPAVE, IL-19.0	PG 64-22	4 % @ 70 GYR	15%
	BITUMINOUS DRIVEWAY PAVEMENT, SUPERPAVE, 3", MIX "C", N50	PG 64-22	4 % @ 50 GYR	15%

THE UNIT WEIGHT USE TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

*Revised 6/7/05

CHRISTOPHER B. BURKE ENGINEERING LTD.
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(847) 823-0500

CLIENT:
VILLAGE OF SCHAUMBURG
Engineering Department
101 Schaumburg Court
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\WALN_EXTYP.TYP		

DSGN.	GS	
DWN.	GS	
CHKD.	JGS	
SCALE:	NOT TO SCALE	
DATE:	04/05/2005	

TITLE:
EXISTING TYPICAL SECTIONS
C-91-108-04

PROJECT NO. 01-434
SHEET 6 OF 98
DRAWING NO. 6