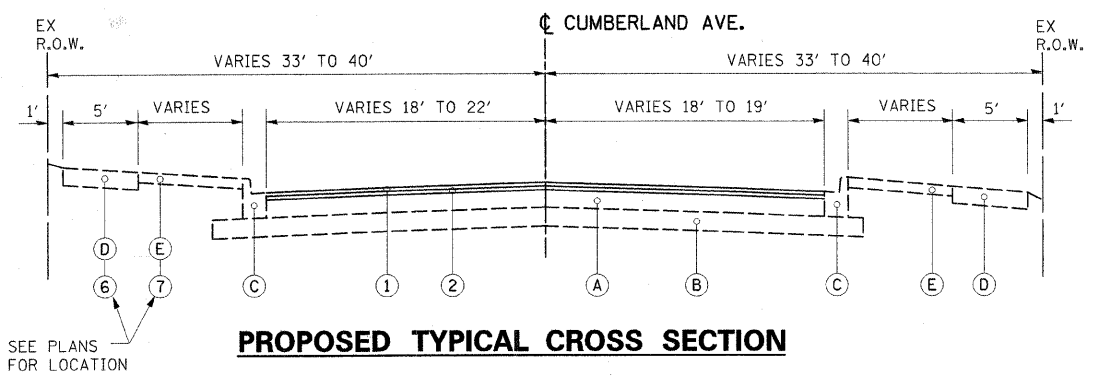
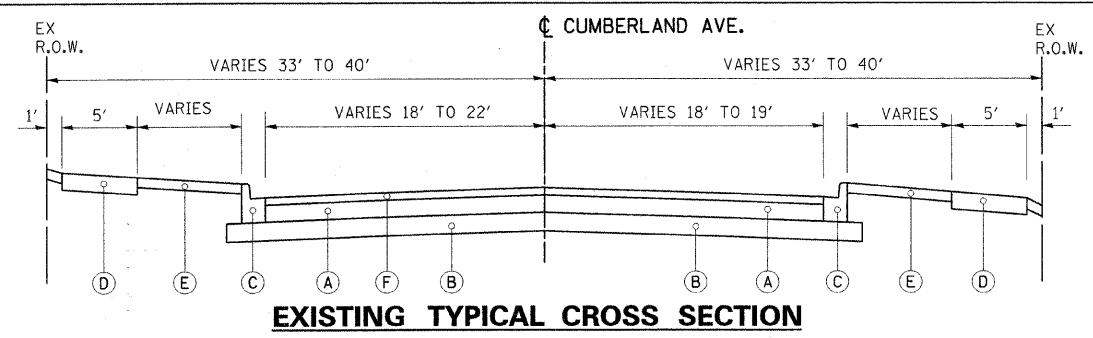


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2793	06-00109-00-WR	COOK	24	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DEMPSTER STREET TO BALLARD ROAD

EXISTING LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT, 7"
- (A1) EXISTING BITUMINOUS PAVEMENT, 4"
- (B) EXISTING SUBBASE, 4"
- (B1) EXISTING SUBBASE, 9"
- (C) EXISTING CURB AND GUTTER, TYPE B-6.12
- (D) EXISTING SIDEWALK
- (E) PARKWAY (GRASS AREA)
- (F) HOT MIX ASPHALT SURFACE REMOVAL, 2"
- (G) HOT MIX ASPHALT SURFACE REMOVAL, 1 1/2"

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (1 1/2")
 - (2) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (3/4")
 - (3) HOT-MIX ASPHALT BASE COURSE, 7"
 - (4) SUBBASE GRANULAR MATERIAL, TYPE B, 9"
 - (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - (6) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - (7) TOPSOIL FURNISH AND PLACE, 4" WITH SODDING
 - (8) POROUS GRANULAR EMBANKMENT, SUBGRADE, 12"
- *** SEE GENERAL NOTES

MIX ITEM	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	PG 64-22	4% AT 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	PG 64-22/58-22 *	4% AT 70 GYR.
HOT-MIX ASPHALT BASE COURSE, 7" (HMA BINDER IL-19 mm)	PG 64-22/58-22 *	4% AT 50 GYR.
CLASS D PATCHES, TYPE I, 7 INCH, IL-19mm (HMA BINDER IL-19 mm)	PG 64-22/58-22 *	4% AT 70 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

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

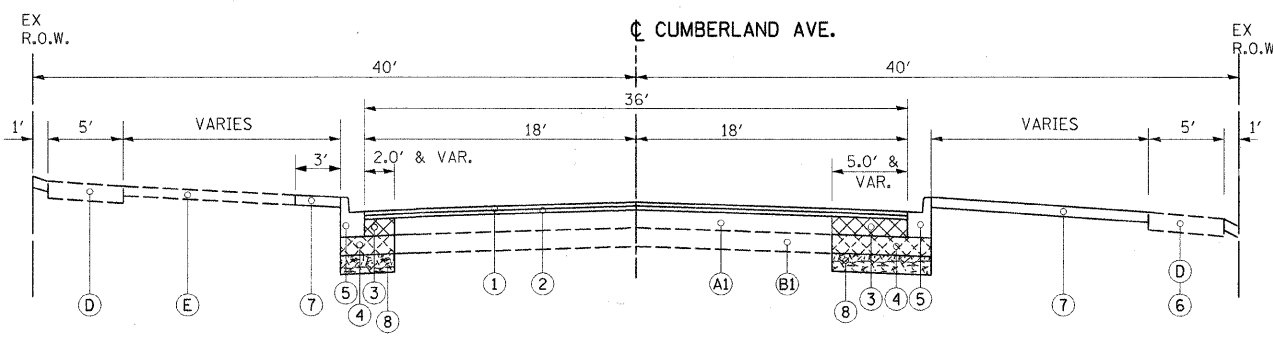
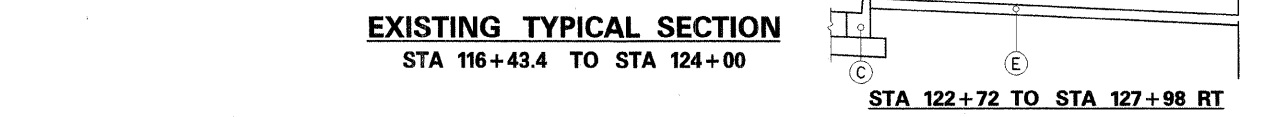
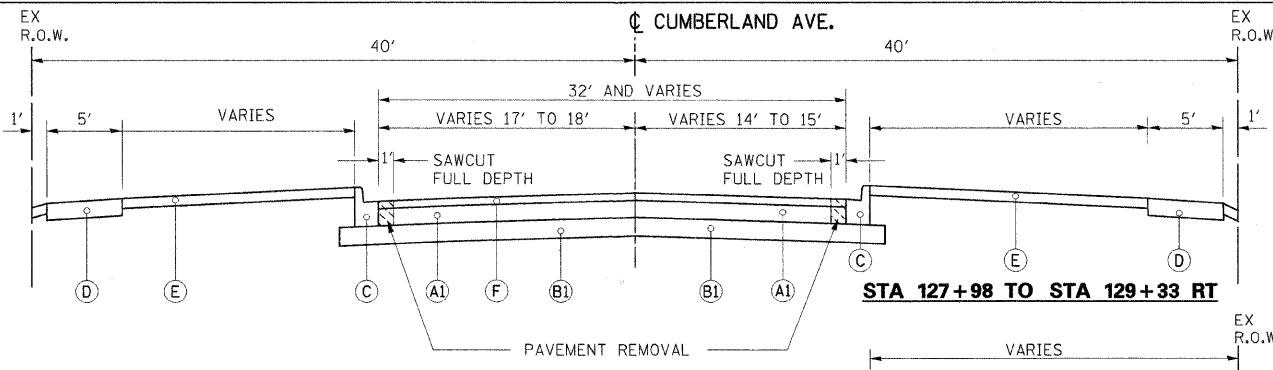
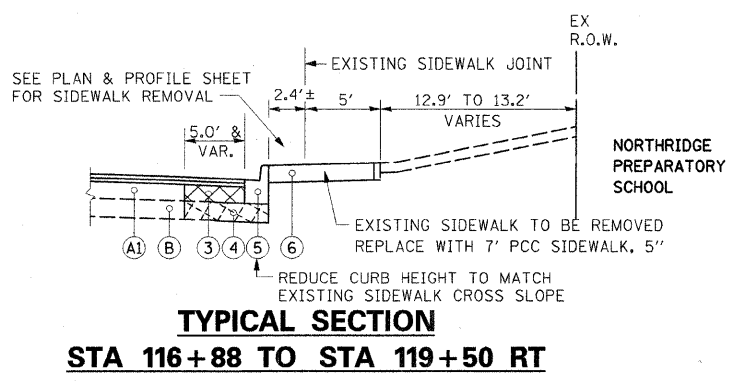
** THIS MIX ITEM SHALL BE USED FOR THE PATCHING OF THE PAVEMENT. THE CONTRACTOR CAN UTILIZE ASPHALT INSTEAD OF CONCRETE AS PER DIRECTION FROM THE ENGINEER.

NOTE: ALL REFERENCES TO SURFACE, BINDER OR BASE COURSE CONTAINED IN THESE PLANS, STANDARDS OR DETAILS WILL REQUIRE MIX PROPERTIES AS GIVEN IN THE ABOVE TABLE.

CUMBERLAND AVENUE - BALLARD RD. TO CHURCH ST.

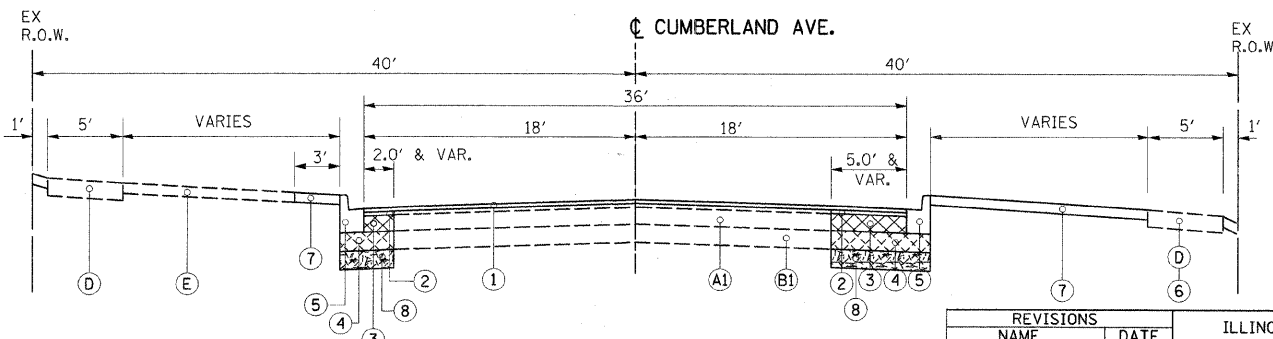
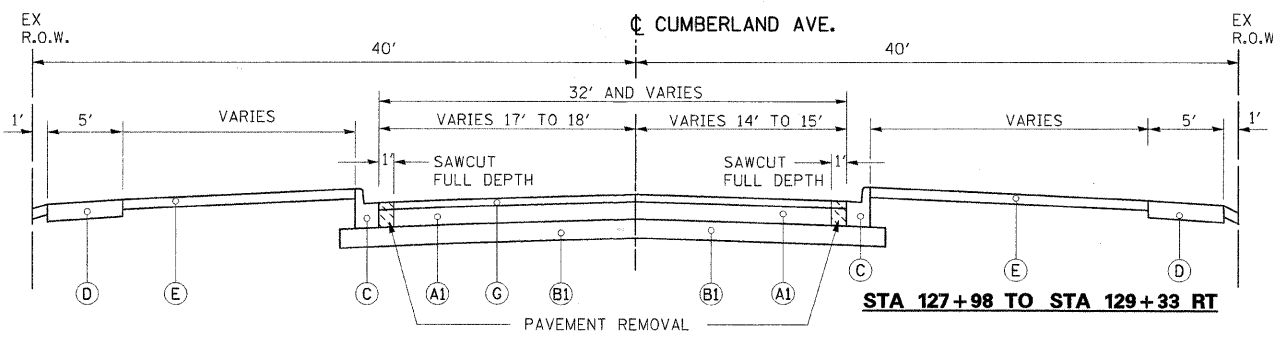
STRUCTURAL DESIGN DATA - DESIGN YEAR 2030

AVERAGE DAILY TRAFFIC 2006	2,196
AVERAGE DAILY TRAFFIC 2030	3,250
PASSENGER VEHICLES	3,023
SINGLE UNIT VEHICLES	195
MULTIPLE UNIT VEHICLES	32
MINIMUM ILLINOIS BEARING RATIO	3.0
TRAFFIC FACTOR	0.50
PERCENT PASSENGER VEHICLES	93
PERCENT SINGLE UNIT VEHICLES	6
PERCENT MULTIPLE UNIT VEHICLES	1
ROAD CLASS	II



SCHOOL

SEE TYPICAL SECTION STA 116+88 TO STA 119+50 RT THIS SHEET. ANY COORDINATION WITH THE SCHOOL, NEEDS TO BE COMPLETED BEFORE THE START OF THE SCHOOL YEAR.



BALLARD ROAD TO CHURCH STREET

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF NILES
CUMBERLAND AVENUE RESURFACING/WIDENING
OAKTON STREET TO CHURCH STREET

TYPICAL SECTIONS
DEMPSTER STREET TO CHURCH STREET

SCALE: VERT. N.T.S.
HORIZ. N.T.S.

DATE: _____

DRAWN BY JTF
CHECKED BY BA