

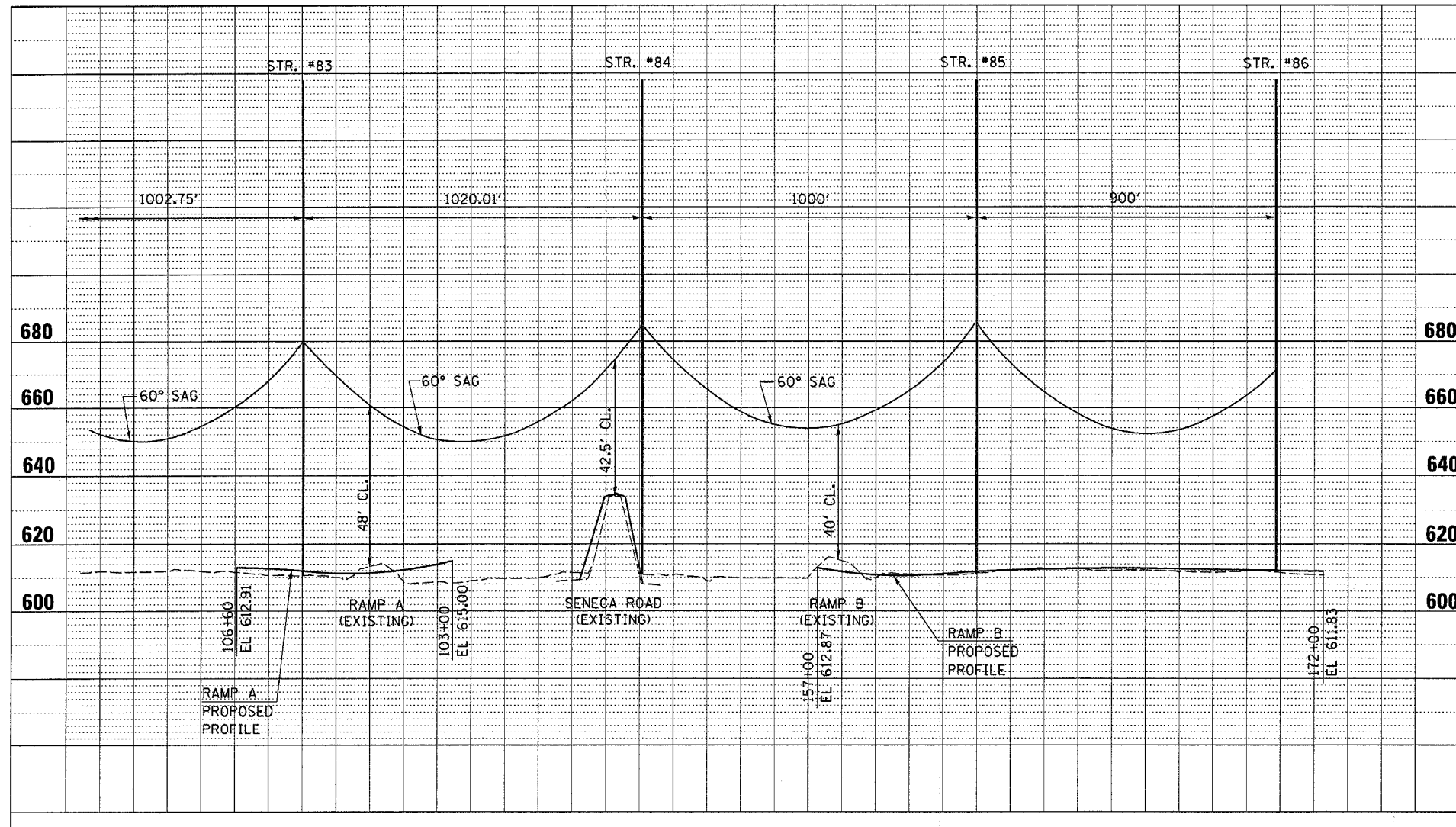
P.A. S.F.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	*	GRUNDY		171C
STA.		TO STA.		
FED. ROAD DIST. NO.		BLINDS	FED. AID PROJECT	

CONTRACT NO. 66412

LINE SAG VS. TEMPERATURE								
STRINGING SAG TABLE USING FINAL SAG AT SENECA ROAD								
RULING SPAN:	1320.0 FEET	345 Kv L0101 / L0102						
CONDUCTOR	1277.0 KCMIL	54 / 7 STRANDING ACAR						
NESC HEAVY LOAD ZONE	MAX TENSION = 20339 LB							
DESIGN:	11000. LB @ 0. DEG F, .50 IN ICE, 4.00 PSF WIND, INITIAL							
H TENS (LBS)	4611.	4555.	4501.	4449.	4399.	4350.	4303.	4257.
TEMP. F	50°	60°	70°	80°	90°	100°	110°	120°
SAG (FT)								
1000' SPAN POLE #84 TO #85	32 - 7	33 - 0	33 - 5	33 - 9	34 - 2	34 - 7	34 - 11	34 - 4
1020' SPAN POLE #83 TO #84	33 - 11	34 - 4	34 - 9	35 - 2	35 - 7	35 - 11	36 - 4	36 - 9

SAG CALCULATED IN FEET - IN.  
INFORMATION PROVIDED BY COMED.

ELEVATIONS FROM COMED



LEGEND

REVISIONS	
1-6-06	

REVISIONS	
NAME	DATE
MJ	12-29-05

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**345 KV COM ED  
TRANSMISSION LINES**

**FOR INFORMATION ONLY**

SCALE: VERT.      DRAWN BY  
          HORIZ.      CHECKED BY  
DATE

REVISED 1-6-06 MJ