ADDENDUM 462-450-205SN
ISSUE A, OCTOBER 1969
S.N.E.TEL.CO.

DROP AND BLOCK WIRING
SEPARATION AND MECHANICAL PROTECTION

1. GENERAL

1.01 This addendum supplements Section 462-450-205, issue 3. It is issued to specify the separation requirements for station protectors from foreign plant and, to make additional clearance information available to field installers. All specified clearances are minimum values. Greater clearance should always be obtained where practicable.

1.02 It is reissued to renumber it from Addendum 461-200-201SN, Issue E, to Addendum 462-450-205SN, Issue A.

1.03 Where the installer encounters a right-away problem (railroad, private roadway, etc.) he shall refer the problem to his immediate supervisor for proper direction.

1.04 The local supervisor shall then refer the problem to the local Plant Engineering Department. He shall also notify the local Business Office that he cannot proceed with the job until right of way is granted.

4. SEPARATIONS

4.10 The separation from foreign plant required for protectors outside or inside buildings shall be the same as that shown in 462-450-205, Table B.

6. CLEARANCES

6.01 Crossing Over:

		NOTE
Railroad Tracks (open wire or covered wire)	27 ft	A
Railroad Tracks (cable, guys or strand)	25 ft.	
Streets or Roads	18 ft	B,C
Driveways to residence garages	10 ft	B
Spaces accessible to pedestrians only	8 ft	B

6.02 Running Along:

Streets in urban districts	18 ft	B
Roads in rural districts (in general)	14 ft	B
Roads in rural districts where it is improbable that vehicles will pass under line	13 ft	B

6.03 Crossing Wires of Another Line: NOTE

Communication Wires, Cables, Messenger	2 ft.	D
Supply Cables with Grounded Metal Sheath (all voltages)	4 ft.	D
Supply Line Wires 0-750 volts	4 ft.	D
Supply Line Wires 750-8,700 volts	4 ft.	D
Supply Line Wires 8,700-50,000 volts	6 ft.	D
Supply Service Drops 0-750 volts (Tel. Cable above)	4 ft.	D
Supply Service Drops 0-750 volts (Tel. Cable below)	2 ft.	D
Supply Service Drops 0-750 volts (Tel. Wire above or below)	2 ft.	D

6.04 On Joint Poles-Between Supply and Communication Plant: NOTE

Between Crossarms 0-8,700 volts	4 ft.	
Between Crossarms 8,700-50,000 volts	6 ft.	
Between Conductors at the Pole 0-8,700 volts	40 in.	E,F
Between Conductors at the Pole 8,700-50,000 volts	60 in.	F
Between Conductors in the Span 0-8,700 volts	30 in.	E,F
Between Conductors in the Span 8,700-50,000 volts	45 in.	F

a. If the railroad crossing span length exceeds the 175 feet, increase this clearance 0.3 ft. for each 10 feet of span in excess of 175 feet.
b. For open wire and covered wire spans exceeding 175 feet, increase this clearance 0.1 ft. for each 10 feet of span in excess of 175 feet.
c. Clearance of drop loop may be reduced to 16 feet at the side of the travelled way.
→ d. When span length of the conductor in the upper position exceeds 175 feet, see Paragraph 4.01 of 620-210-013SN.
e. Includes supply cables, of all voltages, having effectively grounded continuous metal sheath for messenger.
f. Vertical separation at the pole to be adjusted so that no supply conductor of 750 volts or less shall be lower in the span than a straight line joining the points of attachment of the highest longitudinal run of communication cable or conductor and no supply conductor of over 750 volts but less than 50,000 volts shall be lower in the span than 30 inches above such a straight line.

6.05 On Joint Poles-Between Supply and Communication Plant: NOTE (cont.)

Between Conductors and Supply Equipment 0-8,700 volts	40 in.	G
Between Conductors and Supply Equipment 8,700-50,000 volts	60 in.	G

Between Lamp Brackets and Span Wires and Communication Equipment as follows:

	Not Effectively Grounded	Note	Effectively Grounded	Note
Above Communications Crossarms	20 in.	h	20 in.	h
Below Communications Crossarms	24 in.		24 in.	
From Messengers Carrying Communications Cables	20 in.	h	4 in.	
From Terminal Box of Communication Cable	20 in.	h	4 in.	
From Communication Brackets, Bridle Wire, Rings, or Drive Hooks	16 in.	h	4 in.	

(*Note: Drip loops of conductors entering street light brackets from the surface of the pole shall be at least 12 inches above communication cables or associated through bolts*).

Between Guys and Line Conductors Attached to same Pole:

	Not Parallel to Line	Parallel to Line	Note
Comm. Cables & Cond.	6 in.	6 in.	
Supply Cond. 0-8,700 volts	6 in.	12 in.	i

(*Note: Guys and suspension strands may be attached to the same strain plates or through bolts*).

g. Where transformer cases and associated hangers or other equipment are effectively grounded consistently throughout well - defined areas this separation may be reduced to 30 inches.
h. This may be reduced to 12 inches for either span wires or metal parts of brackets at points 40 inches or more from the pole surface.
i. Where practicable; in no case less than 3 inches.