

Large Filing Separator Sheet

Case Number: 06-1509-EL-CSS

File Date: 11/19/2013

Section: 3 of 3

Number of Pages: 24

Description of Document:
Confidential Release

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

AT&T OHIO,	:	CASE NO. 06-1509-EL-CSS
	:	
Complainant,	:	
	:	
v.	:	
	:	
THE DAYTON POWER AND LIGHT	:	
COMPANY,	:	
	:	
Respondent.	:	

**THE DAYTON POWER AND LIGHT COMPANY'S OBJECTIONS AND
RESPONSES TO AT&T OHIO'S FOURTH SET OF DATA REQUESTS**

The Dayton Power and Light Company ("DP&L") hereby objects and responds to
AT&T Ohio's Fourth Set of Data Requests.

GENERAL OBJECTIONS

DP&L incorporates by reference its General Objections to AT&T Ohio's Third
Set of Data Requests.

3. Please quantify the amounts received by DP&L for pole attachment by parties other than AT&T Ohio for the years 2000 to 2005. Please describe how these amounts are accounted for and identify the FERC accounts in which these amounts are recorded.

RESPONSE: General Objection Nos. 2, 3, 4. Subject to all General Objections, DP&L responds: See Attachment 4-3, which quantifies amounts received for pole rental or pole deficiency charges. This Table does not include separate fees or charges imposed under Tariff or by contract for make-ready work, set-and-sell work, inspection and licensing fees, which revenues are offsets to costs and are not separately recorded and accumulated in DP&L's accounting system. This Table also does not include revenues from Incumbent Local Exchange Carriers (ILEC) because their service territories would be separate from the service territories of AT&T Ohio.

Witness(es) Responsible: Georgene Dawson

Respectfully submitted,

OF COUNSEL

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Attorneys for Respondent
 The Dayton Power And Light Company

CERTIFICATE OF SERVICE

I certify that a copy of the foregoing The Dayton Power and Light Company's
Objections and Responses to AT&T Ohio's Fourth Set of Data Requests has been served via
electronic mail upon the following counsel of record, this 9th day of July, 2007:

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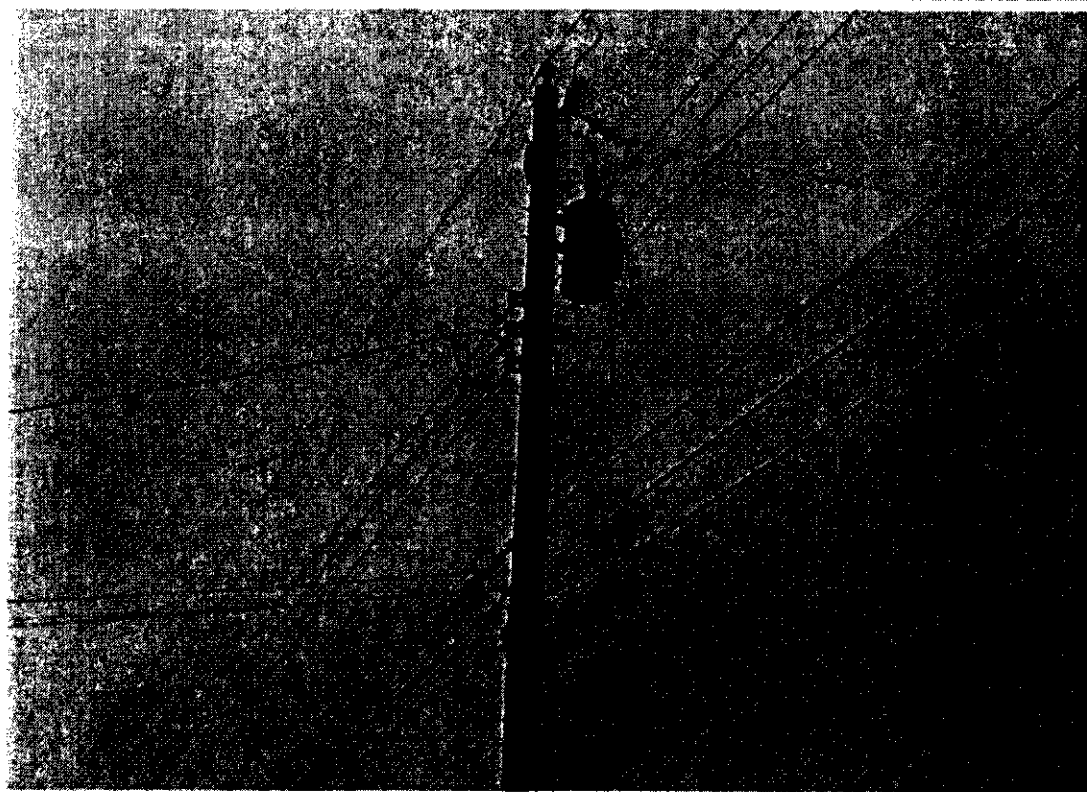
Attorneys for Complainant
AT&T OHIO

s/Jeffrey S. Sharkey
Jeffrey S. Sharkey

Category	2002		2003		2004		2005		2006	
	# Contacts billed by (poles) DP&L	Amount billed by DP&L	# Contacts billed by (poles) DP&L	Amount billed by DP&L	# Contacts billed by (poles) DP&L	Amount billed by DP&L	# Contacts billed by (poles) DP&L	Amount billed by DP&L	# Contacts billed by (poles) DP&L	Amount billed by DP&L
1 Cable	5489	\$ 3.50	5489	\$ 19,246.50	286	\$ 3.50	5,635	\$ 19,722.50	5,624	\$ 19,684.00
6 Cable	4724	\$ 3.50	4724	\$ 16,534.00	49	\$ 3.50	4,724	\$ 16,534.00	4,724	\$ 16,534.00
14 Cable			286	\$ 931.00	286	\$ 931.00	286	\$ 931.00	286	\$ 931.00
16 Cable			9	\$ 31.50	49	\$ 171.50	49	\$ 171.50	49	\$ 171.50
17 Cable			345	\$ 1,207.50	345	\$ 1,207.50	345	\$ 1,207.50	345	\$ 1,207.50
25 Cable	345	\$ 3.50	98512	\$ 344,792.00	98563	\$ 344,970.50	98591	\$ 345,068.50	98,770	\$ 345,695.00
8 CLEC										
13 CLEC			184	\$ 644.00	184	\$ 644.00	184	\$ 644.00	555	\$ 1,942.50
15 CLEC			531	\$ 1,858.50	531	\$ 1,858.50	555	\$ 1,942.50	286	\$ 1,001.00
18 CLEC			284	\$ 994.00	284	\$ 994.00	286	\$ 1,001.00	94	\$ 329.00
19 CLEC			94	\$ 329.00	94	\$ 329.00	94	\$ 329.00	19	\$ 66.50
3 Other			19	\$ 66.50	19	\$ 66.50	19	\$ 66.50	19	\$ 66.50
4 Other			7	\$ 14.00						
9 Other			60	\$ 2.00						
10 Other			6	\$ 14.16						
12 Other			24	\$ 56.64	24	\$ 56.64	24	\$ 56.64	24	\$ 56.64
20 Other			79	\$ 276.50						
21 Other			14	\$ 49.00						
26 Other			118	\$ 278.48						
28 Other			118	\$ 278.48	118	\$ 278.48	118	\$ 278.48	118	\$ 278.48
29 Other			4	\$ 8.00						
31 Other			6	\$ 14.16						
3rd Party Revenue		\$ 365,095.00		\$ 387,623.92		\$ 351,507.62		\$ 387,953.12		\$ 387,897.12

2 ILEC	1,669	\$ 7.20	1,309	\$ 7,416.00	1,320	\$ 7,462.80	1,322	\$ 7,455.60
5 ILEC			1702	\$ 7,167.60	1,701	\$ 7,106.40	1,698	\$ 7,084.80
7 ILEC								
11 ILEC	864	\$ 7.20	866	\$ 4,194.00	868	\$ 4,208.40	868	\$ 4,208.40
22 ILEC			236	\$ 1,699.20	236	\$ 1,699.20	339	\$ 1,186.50
24 ILEC			18047	\$ 70,722.00		\$ 69,411.00	18,536	\$ 71,661.60
27 ILEC	22173	\$ 7.20	22140	\$ 90,050.40	21912	\$ 87,944.40	2006 Billing not complete	
30 ILEC	16	\$ 7.20	16	\$ 115.20	16	\$ 115.20	16	\$ 115.20

Comments: TRANSFORMER DRIP LOOP @ 23'8" 10kva TRANSFORMER SUBSTITUTED FOR 5kva TRANSFORMER DP&L MAP SHOWS POLE AS A 35' CLASS 5 CCV - BACK MID-SPANS: TRAFFIC SIGNAL @ 14'2", TELEPHONE @ 11'10"; AHEAD MID-SPANS: CATV @ 13'4", TRAFFIC SIGNAL @ 12'6", TELEPHONE @ 11'7" - THESE ARE ALL BELOW MINIMUM HEIGHTS FOR ROADSIDE Line direction = north-south	Total Moments (ft-lbs) => * Pole Rated Moments (ft-lbs) => Percent Loading => Total Stress (psi) => * Rated Stress (psi) => * Includes wood S.F.	37,321 meets NESC 59,519 62.7%	40,660 meets NESC 51,583 78.8%
			1.50 PM 12/10/04

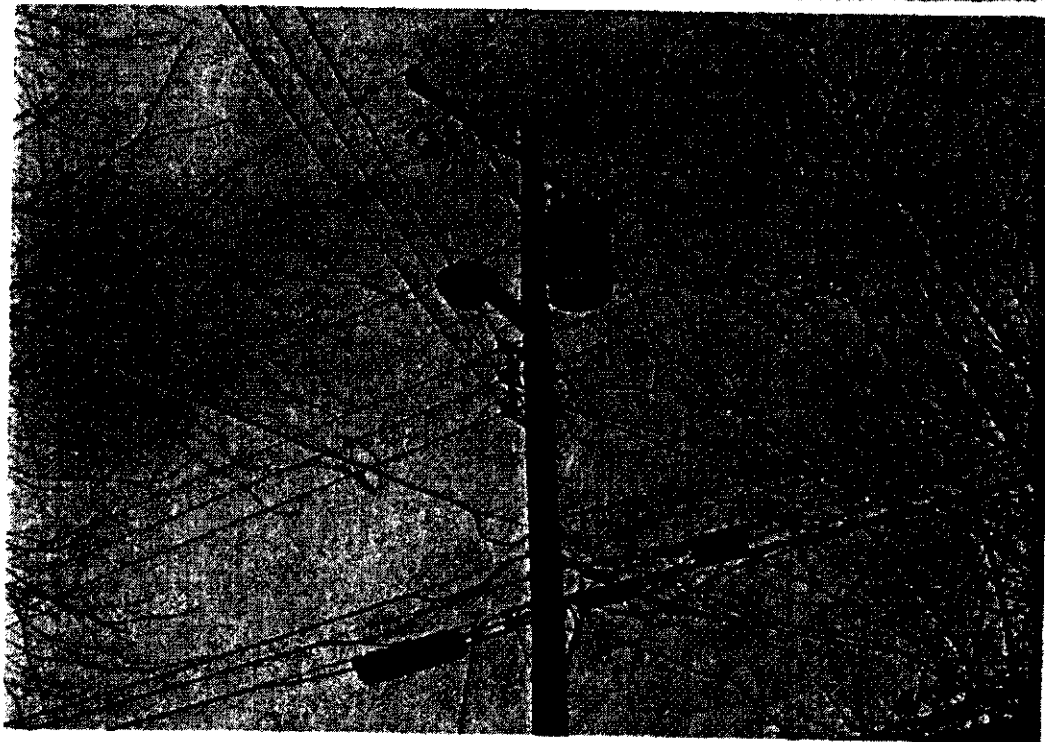


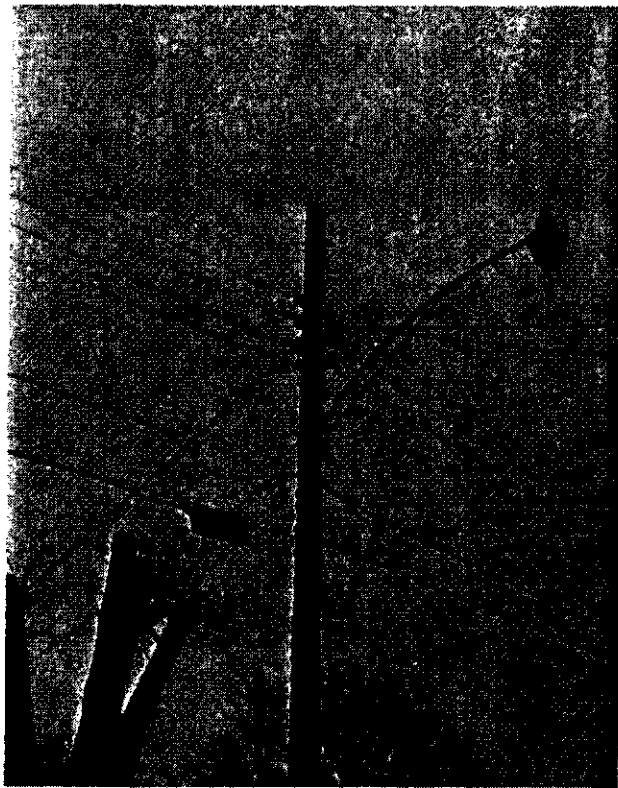
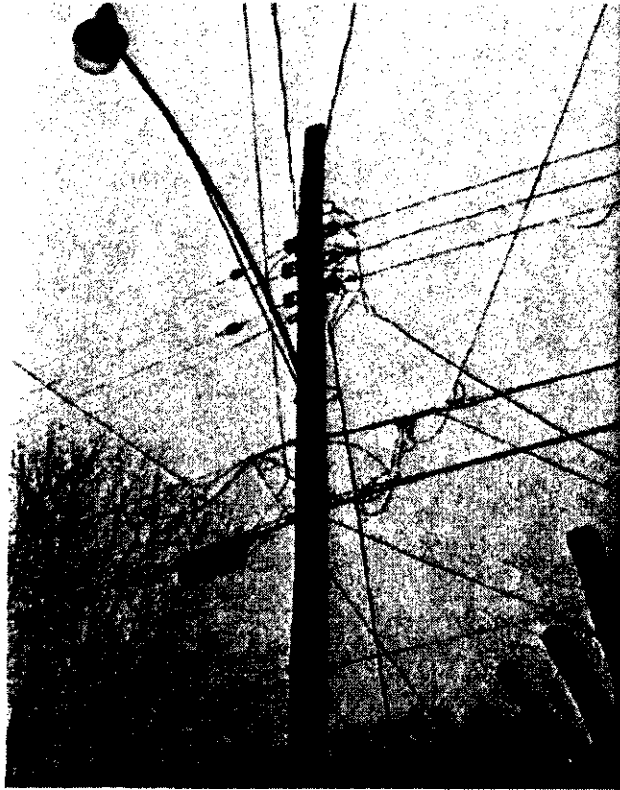
[illegible]

Comments:					
TRANSFORMER DRIP LOOP @ 247"		Total Moments (ft-lbs) =>		20,808	17,529
SECONDARY DRIP LOOP @ 237"		* Pole Rated Moments (ft-lbs) =>		meets NESC	meets NESC
		Percent Loading =>		47,163	40,875
				44.1%	42.9%
		Total Stress (psi) =>		2,647	2,230
		* Rated Stress (psi) =>		6,000	5,200
		* includes wood S.F.			
Line direction = east-west				1:12 PM	12/10/04



Transverse Pole Loading (ice & wind) Calculations															TJT	79.9%																												
Systems Engineering & Electrical Co., Inc. 1635 N. National Rd., Columbus, IN 47203 (812)-372-5835																																												
map #: D33-44-EA-B pole #: 012.351303 location: North of Valera Arms Drive																																												
pole size		class	wood type	6" bot	top	groundline	(circum)	(inches)	6	(ft.) pole setting depth	rated moments w/S.F.	c:\D&L\Random Sampling\		=< file folder (where to save files)																														
40		4	SP	33.5	21	33.5			Anst Os 1		59,519	51,583																																
NESc Loading: <table border="1"> <thead> <tr> <th>Grade</th> <th>District</th> <th>ice</th> <th>wind</th> <th>(#/sq.ft)</th> <th>(wood)</th> <th>(pole)</th> <th>(wires)</th> <th>(tension)</th> <th>(vertical)</th> </tr> </thead> <tbody> <tr> <td>Case 1</td> <td>B</td> <td>0.25</td> <td>4.0</td> <td>0.65</td> <td>S.F.</td> <td>OF(Pw)</td> <td>OF(Ww)</td> <td>OF(Wt)</td> <td>OF(vert)</td> </tr> <tr> <td>Case 2</td> <td>B</td> <td>0.00</td> <td>90.0</td> <td>0.75</td> <td></td> <td>2.50</td> <td>2.50</td> <td>1.65</td> <td>1.50</td> </tr> </tbody> </table>															Grade	District	ice	wind	(#/sq.ft)	(wood)	(pole)	(wires)	(tension)	(vertical)	Case 1	B	0.25	4.0	0.65	S.F.	OF(Pw)	OF(Ww)	OF(Wt)	OF(vert)	Case 2	B	0.00	90.0	0.75		2.50	2.50	1.65	1.50
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Conductor information: <table border="1"> <thead> <tr> <th>attachment</th> <th>height</th> <th>span #1</th> <th>span #2</th> <th>(unrouted angle)</th> <th>(unrouted 90 deg. tap or deadend)</th> <th>weight</th> <th>carriover</th> </tr> </thead> <tbody> <tr> <td>diameter</td> <td></td> <td></td> <td></td> <td>tension</td> <td>angle</td> <td>(lb./ft)</td> <td>lever arm</td> </tr> <tr> <td>(inches)</td> <td>(ft)</td> <td>(ft)</td> <td>(ft)</td> <td>(lbs.)</td> <td>(deg.)</td> <td>(lb./ft)</td> <td>(inches)</td> </tr> </tbody> </table>															attachment	height	span #1	span #2	(unrouted angle)	(unrouted 90 deg. tap or deadend)	weight	carriover	diameter				tension	angle	(lb./ft)	lever arm	(inches)	(ft)	(ft)	(ft)	(lbs.)	(deg.)	(lb./ft)	(inches)						
attachment	height	span #1	span #2	(unrouted angle)	(unrouted 90 deg. tap or deadend)	weight	carriover																																					
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(inches)	(ft)	(ft)	(ft)	(lbs.)	(deg.)	(lb./ft)	(inches)																																					
type or company	# of wires	wire code	diameter (inches)	attachment height (ft)	span #1 (ft)	span #2 (ft)	tension (lbs.)	angle (deg.)	# of wires	code	tension (lbs.)	Extreme moments (ft.-lbs.)	Medium moments (ft.-lbs.)	weight (lb/ft)	carriover lever arm (inches)																													
primary	3	1/0ACSR	0.3980	34	162	162	2120					9,740	12,365	0.1460																														
neutral	1	1/0ACSR	0.3980	23.92	162	162	2120					2,168	2,900	0.1460																														
second	1	1/0ACSR	0.3980	22.92	162	162	2120					2,064	2,779	0.1460																														
second	1	1/0ACSR	0.3980	21.92	162	162	2120					1,961	2,657	0.1460																														
catv	1		1.0000	19.58		162						2,268	1,982																															
catv	1		1.0000	16.5	162	162						4,056	3,746																															
catv	1		1.0000	18	162	162						3,930	3,645																															
phone	1		1.3125	17	162	162						4,831	4,160																															
Tape & slacks are to be entered on the "Taps" tab (equiv. results are shown in this area)																																												
Total cantilever (eccentric) loading from imbalanced conductors => <table border="1"> <thead> <tr> <th>quantity</th> <th>sound</th> <th>diameter (inches)</th> <th>height (inches)</th> <th>area (sq.ft.)</th> <th>moment (ft)</th> <th>shape factor</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>50 kva</td> <td>18</td> <td>40</td> <td>5.00</td> <td>26.33</td> <td>1</td> </tr> <tr> <td>1</td> <td>street light</td> <td>10</td> <td>10</td> <td>0.69</td> <td>25.17</td> <td>1</td> </tr> </tbody> </table>															quantity	sound	diameter (inches)	height (inches)	area (sq.ft.)	moment (ft)	shape factor	1	50 kva	18	40	5.00	26.33	1	1	street light	10	10	0.69	25.17	1									
quantity	sound	diameter (inches)	height (inches)	area (sq.ft.)	moment (ft)	shape factor																																						
1	50 kva	18	40	5.00	26.33	1																																						
1	street light	10	10	0.69	25.17	1																																						
Equip. cantilever loading: <table border="1"> <thead> <tr> <th>weight (lbs.)</th> <th>lever arm (inches)</th> </tr> </thead> <tbody> <tr> <td>600</td> <td>13</td> </tr> <tr> <td>44</td> <td>60</td> </tr> </tbody> </table>															weight (lbs.)	lever arm (inches)	600	13	44	60																								
weight (lbs.)	lever arm (inches)																																											
600	13																																											
44	60																																											
0 0																																												





item	Wire Center	AT&T weighted average feet
1	gl N34106	1.037527923
2	ev N34113	1.019858156
3	ml N34109	1.090800478
4	nb N34108	1.039125432
5	sj N34110	1.028735632
6	sp N34150	1.014388489
7	cr N34148	1.112525117

total - 7 wire ctrs	<u>7.342961227</u>
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average	1.04899446	1.05 feet
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Electric Construction Standards
Section 04: Secondary Construction

Standard No. EC-04-060

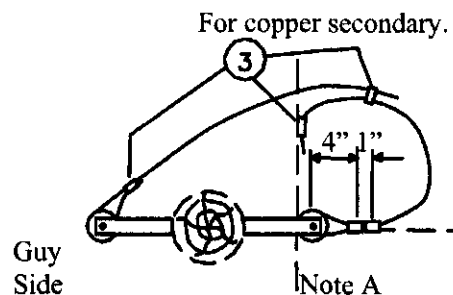
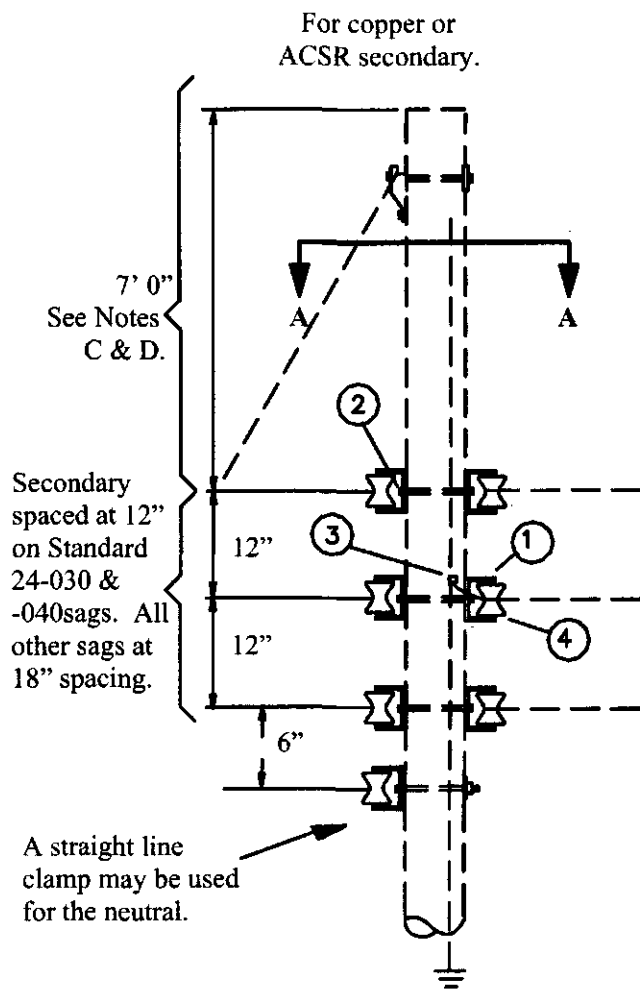
Rev. Jan-04

Replaces: 4-6

Apr-97

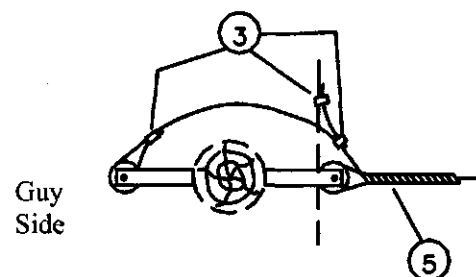
Secondary Buck Assembly With Service Clevis

Service Taps are Made on Jumpers Around Pole



Section A - A

For 1/0 ACSR & AAAC secondary.



Section A - A

Notes:

- A. Deadend copper secondary as follows:
 - a. #6 solid 1-2 bolt clamp (#11-155.0) or 2-split bolts (#11-264).
 - b. #2 solid through #2 stranded 1-2 bolt clamp (#11-155.8).
- B. Refer to Section 02 for guying details and material.
- C. Refer to Section 22 for spacing to maintain NESC mid-span clearance.
- D. If no transformer will be installed, then this distance may be reduced to a minimum of 5' 0".

Item	Symbol	Qty.	Material Description
1	11-234.7	6	Insulated secondary clevis
2	59-series	3	5/8" x length to suit galvanized machine bolt
3	11-series	-	Connector to suit (see Std. 12-190 through 12-220)
4	15-310	6	Porcelain spool insulator
5	11-305.2	3	Pre-formed deadend for 1/0 ACSR & AAAC



Electric Construction Standards
Section 04: Secondary Construction

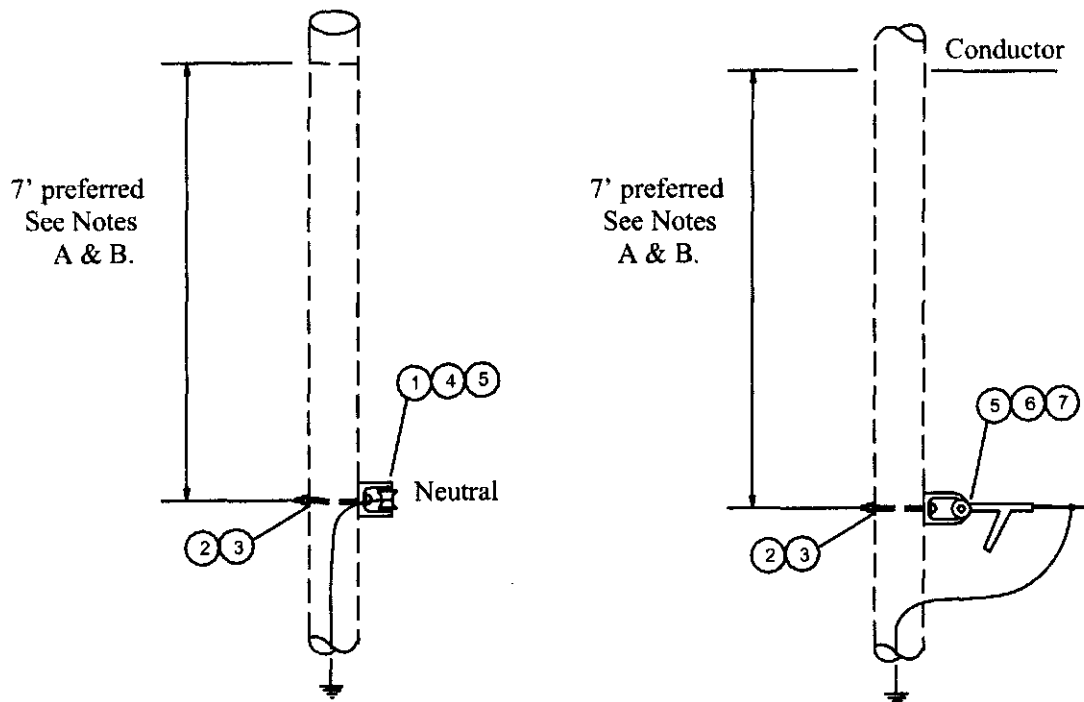
Standard No. **EC-04-010**

Rev. Jan-04

Replaces: 4-1

May-97

Neutral Clevis Assembly



Notes:

- If no transformer will be installed, then this distance may be reduced to a minimum of 4' 10" provided that the span is less than 220'.
- Refer to Section 22 for spacing to maintain NESC midspan clearance.
- Refer to Section 02 when guying is required.

Item	Symbol	Qty.	Material Description
1	11-234.7	1	Insulated clevis
2	59-series	1	5/8" x length to suit galvanized machine bolt
3	59-984	1	2-1/4" square washer
4	15-310	1	Porcelain spool insulator
5	11-series	1	Connectors to suit (refer to Std. 12-190 to -210)
6	11-series	1	Strain clamp to suit
7	11-310.62	1	Bolt eye



Electric Construction Standards
Section 04: Secondary Construction

Standard No. **EC-04-020**

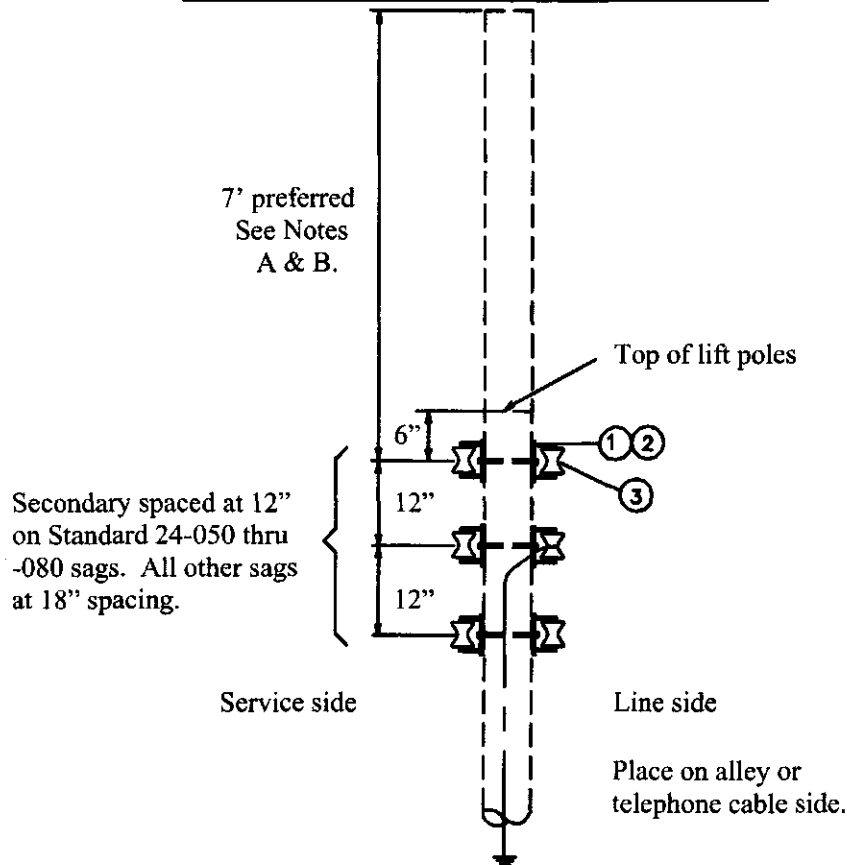
Rev. **Jan-04**

Replaces: 4-2

Apr-97

Secondary Straight Line Clevis Assembly

Service Taps are Made on Jumpers Around Pole



Notes:

- A. If no transformer will be installed, then this distance may be reduced to a minimum of 4' 10" provided that the span is less than 220'.
- B. Refer to Section 22 for spacing to maintain NESC midspan clearance.
- C. Refer to Section 02 when guying is required.

Item	Symbol	Qty.	Material Description
1	11-234.7	6	Insulated secondary clevis
2	59-series	3	5/8" x length to suit galvanized machine bolt
3	15-310	6	Porcelain spool insulator



Electric Construction Standards
Section 04: Secondary Construction

Standard No. EC-04-050

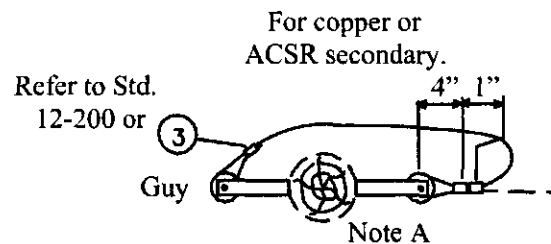
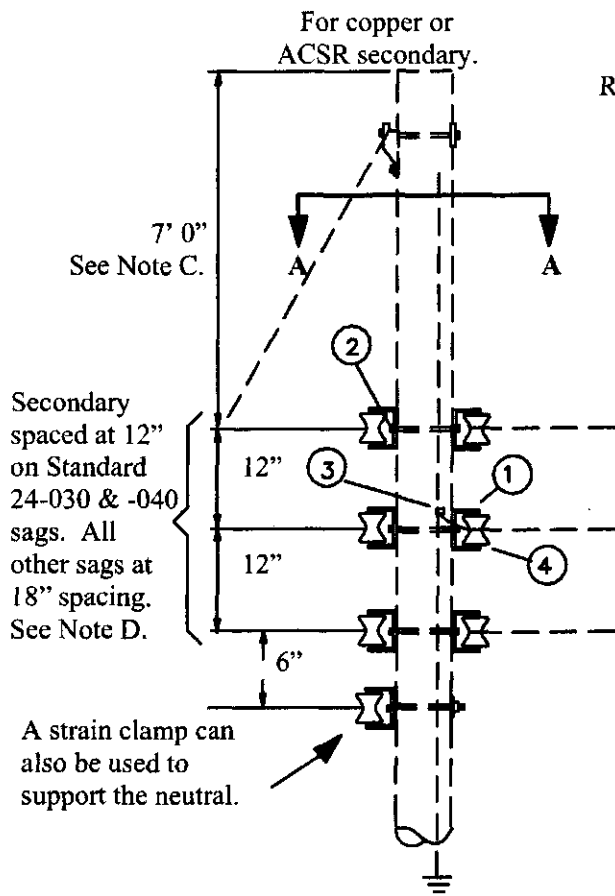
Rev. Jan-04

Replaces: 4-5

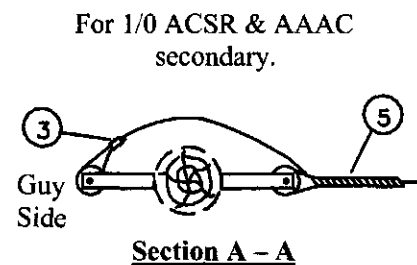
Apr-97

Secondary Clevis Deadend Assembly With Service Clevis

Service Taps are Made on Jumpers Around Pole



Section A - A



Notes:

- A. Deadend copper secondary as follows:
 - a. #6 solid 1-2 bolt clamp (#11-155.0) or 2-split bolts (#11-264).
 - b. #2 solid through #2 stranded 1-2 bolt clamp (#11-155.8).
- B. Refer to Section 02 for guying details and material.
- C. If no transformer will be installed, then this distance may be reduced to a minimum of 5' 0".
- D. Refer to Section 22 for spacing to maintain NESC mid-span clearance.

Item	Symbol	Qty.	Material Description
1	11-234.7	6	Insulated secondary clevis
2	59-series	3	5/8" x length to suit galvanized machine bolt
3	11-series	-	Connector to suit (see Std. 12-190 through 12-210)
4	15-310	6	Porcelain spool insulator
5	11-305.2	3	Pre-formed deadend for 1/0 ACSR & AAAC



Electric Construction Standards
Section 05: Transformer Installations

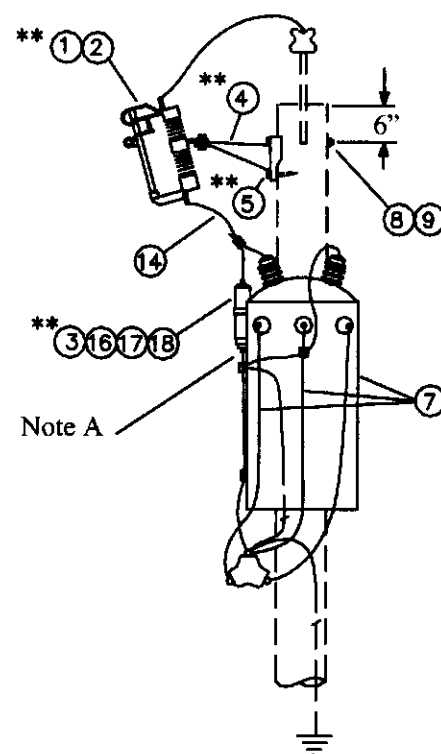
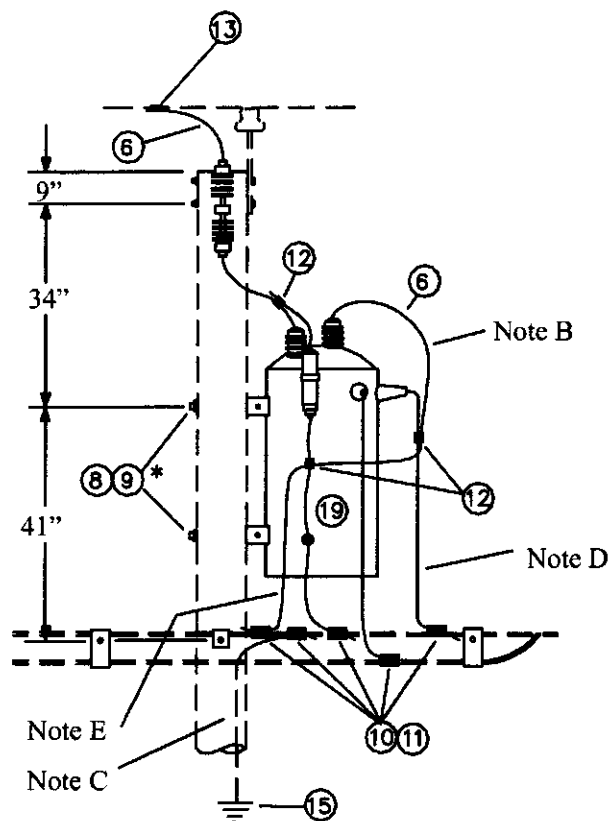
Standard No. EC-05-250

Rev. Mar-04

Replaces: 5-10-1

Apr-97

Transformer Mounting on 40' Tangent Pole



Notes:

- A. Keep arrester leads as short as possible on both hot and grounding lines.
- B. Run wire continuous to system neutral. Do not run through secondary neutral bushing.
- C. Pole ground must be connected directly to the system neutral. Transformer poles must have a driven ground per 2002 NESC. See Standard 05-170 for grounding requirements at transformer locations.
- D. Full size neutral.
- E. **Important:** Primary neutral shall be connected to system neutral with compression connector.

Item	Symbol	Quant.	Material Description
1	11-286 or 11-287	1	S&C cutout or Joslyn cutout **
2	11-332.5 or 11-331.1	1	100 amp fuse holder **
3	12-080 or 12-035	1	10 kV arrester or 3 kV arrester **
4	11-107	1	7" cutout bracket **
5	69-182	1	Lag screw, 1/2" x 4" **
6	19-360	2#	#2 soft drawn bare copper wire
7	19-series	-	15" of soft drawn weather proof copper wire (sized per Std. 05-110)
8	59-series	3 or 1 2 or 0	Machine bolt, 5/8" x length to suit * Machine bolt, 3/4" x length to suit *
9	59-984 or 59-990	3	2-1/4" square washer or curved rib washer *
10	11-series	6	Connectors to suit, compression type
11	11-284 or 11-284.1	6	Connector cover for "O" die or "D" die size
12	11-series	3	Split bolt connector, to suit
13	11-series	1	Ampact or compression connector, to suit ***
14	19-370	2#	#2 soft drawn polyethylene weather proof copper wire
15	11-530	1	5/8" x 8" ground rod
16	With arrester	1	"L" bracket from NEMA mounting bracket **
17	59-378	1	1/2" x 2" galvanized bolt **
18	59-918	1	1/2" galvanized lock washer **
19	236-series	1	Transformer (as specified)

Notes:

- * Use curved rib washer for above 50 kVA on pine poles and 50 kVA and above on cedar poles. Use 5/8" machine bolt on sizes up through 25 kVA; 3/4" bolt on sizes above 25 kVA.
- ** Omit Items #1, 2, 3, 4, 5, 16, 17, and 18 for CSP transformers. See Section 11 for proper type of cutout.
- *** May use hot line clamp (#11-153.6) on stirrup, but Ampact or compression connector is preferred for better electrical connection. For CSP transformers, use hot line clamp on stirrup.