ORIGINAL

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February 4, 2003

RECEIVED FPSC
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COMMISSION CLERK

Mrs. Blanca S. Bayó
Director, Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Docket Nos. 981834-TP and 990321-TP (Generic Collocation)

Dear Ms. Bayó:

Enclosed is an original and fifteen copies of BellSouth Telecommunications, Inc.'s Direct Testimony of W. Bernard Shell, which we ask that you file in the captioned docket.

A copy of this letter is enclosed. Please mark it to indicate that the original was filed and return the copy to me. Copies have been served to the parties shown on the attached Certificate of Service.

Sincerely,

J. Phillip Carver (KA)

J. Phillip Carver

AUS ___
CAF ___
CMP ___
COM ___ cc: All Parties of Record
CTR ___ Marshall M. Criser III
ECR ___ R. Douglas Lackey
GCL 1 Nancy B. White
OPC ___
MMS ___
SEC 1
OTH ___

RECEIVED & FILED

FPSC-BUREAU OF RECORDS

DOCUMENT NUMBER-DATE

01154 FEB-4 8

FPSC-COMMISSION CLERK

CERTIFICATE OF SERVICE
Docket No. 981834-TP and 990321-TP

I HEREBY CERTIFY that a true and correct copy of the foregoing was served via Electronic Mail (testimony only) and Federal Express (testimony and exhibits) this 4th day of February, 2003 to the following:

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(+) **Signed Protective Agreement**

BELLSOUTH TELECOMMUNICATIONS, INC.

DIRECT TESTIMONY OF W. BERNARD SHELL

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NOS. 981834–TP AND 990321-TP

FEBRUARY 4, 2003

Q. PLEASE STATE YOUR NAME, ADDRESS AND OCCUPATION.

A. My name is W. Bernard Shell. My business address is 675 W. Peachtree St., N.E., Atlanta, Georgia. I am a Manager in the Finance Department of BellSouth Telecommunications, Inc. (hereinafter referred to as "BellSouth"). My area of responsibility is the development of economic costs.

Q. PLEASE PROVIDE A BRIEF DESCRIPTION OF YOUR EDUCATIONAL BACKGROUND AND WORK EXPERIENCE.

A. I attended Clemson University, graduating with a Bachelor of Science Degree in Electrical Engineering in 1981. I received a Masters Degree in Business Administration from Georgia State University in 1997.

My career with BellSouth spans over twenty years. My initial employment was with Southern Bell in 1981, in Columbia, South Carolina in the Network Department as an Equipment Engineer. In that capacity, I was responsible for the ordering and installation of central office equipment. In 1984, I transferred to the Rates and Tariffs group in Atlanta, Georgia where I was either directly or

indirectly responsible for the rates, costs, tariffs, and implementation of services. During my time in that organization, I worked with many services/offerings, such as Local Exchange Service, Service Order Charges, Operator Services, Mobile Interconnection and Inside Wire. I moved to the Interconnection Marketing Unit in 1995, where I had various responsibilities, including negotiating with Alternative Local Exchange Carriers ("ALECs"), developing pricing strategies, and product managing Collocation. In December 2000, I moved to a position in the cost organization, a part of the Finance Department. My current responsibilities include cost methodology development and implementation.

Q. WHAT IS THE PURPOSE OF YOUR TESTIMONY?

A. The purpose of my testimony is to present and support the cost studies filed in this proceeding. In doing so, I will describe the methodology BellSouth utilized in developing the costs and respond to issues 9A, 9B, and 10.

Issue 9A: For which collocation elements should rates be set for each ILEC?

Q. WHAT ARE THE COLLOCATION ELEMENTS FOR WHICH BELLSOUTH IS PROVIDING A COST STUDY TO SUPPORT ITS PROPOSED RATES?

A. The list of the collocation elements for which cost support is being provided by BellSouth can be found in the following exhibits:

- Exhibit WBS-1, which is the cost study,
- Exhibit WBS-2, which is a summary of the cost for each element,
- Exhibit WBS-3, which is a description of each element.

BellSouth is proposing that the rates be set equal to the costs. While BellSouth has included in these exhibits certain elements and corresponding rates, BellSouth does not agree that these elements should be required. Specifically, these elements are: H.1.56, H.1.57, H.1.58, H.1.63, H.1.64, and H.1.71. These elements are used with either copper entrance cables or DC power per used amp. As stated in the testimony of BellSouth's witness Mr. Milner, BellSouth does not believe that ILECs should be required to provide copper entrance facilities or to provide DC power on a per used amp basis. The costs for these elements are being provided for the sole purpose of providing the Commission with complete information in order to make a final decision regarding the elements.

Q. WHAT TYPES OF COLLOCATION WERE STUDIED?

A. The collocation elements studied can be grouped into four types:

- Physical collocation,
- Virtual collocation,
- Adjacent collocation, and
- Remote Terminal collocation.

In addition, Assembly Point, which is considered an alternative to collocation, will

be addressed. As stated above, Exhibit WBS-1 provides the cost study, in both paper form and on CD-ROM, and Exhibit WBS-2 provides a summary of the costs for the collocation elements and Assembly Point.

Q. PLEASE DEFINE PHYSICAL COLLOCATION.

A. Physical collocation is an arrangement for the placement of ALEC/collocator-owned facilities and equipment in BellSouth central offices. Such equipment must be necessary for interconnection to BellSouth's network and/or to unbundled network elements for the provision of telecommunications services. Equipment ownership, maintenance and insurance are the responsibility of the collocator. In a physical collocation arrangement, the ALEC's equipment is located in a defined area of the central office.

Q. WHAT ARE THE COST ELEMENTS FOR PHYSICAL COLLOCATION?

A. The cost elements for physical collocation are shown under H.1 on Exhibits WBS-2 and WBS-3. Additionally, collocation cable records elements, shown under H.7 on the same exhibits, apply for physical collocation.

Q. PLEASE DEFINE VIRTUAL COLLOCATION.

A. In physical collocation, the ALEC/collocator owns the equipment and has the responsibility to maintain and repair the equipment. In contrast, with virtual, BellSouth will lease the collocator's equipment for the nominal fee of one dollar

and will perform all maintenance and repair on the equipment once the collocator requests such work. A maintenance charge will apply for the maintenance and repair work. In this arrangement, the equipment is commonly located in the BellSouth equipment line-up.

Q. HOW DO THE VIRTUAL COLLOCATION COST ELEMENTS DIFFER FROM THE PHYSICAL COLLOCATION COST ELEMENTS?

A. Virtual collocation has fewer cost elements than physical collocation. For example, the security access system and space preparation elements would not apply in a virtual collocation arrangement. However, all of the virtual collocation cost elements are also physical collocation cost elements, with the exception of the Maintenance cost elements (H.2.20 – H.2.22). The Maintenance cost elements are unique to virtual collocation and recover the cost associated with maintaining the ALEC's collocated equipment. The cost elements for virtual collocation are shown under H.2 on Exhibits WBS-2 and WBS-3. Additionally, collocation cable records elements, shown under H.7 on the same exhibits, apply for virtual collocation.

Q. PLEASE DESCRIBE BELLSOUTH'S ADJACENT COLLOCATION OFFERING.

A. BellSouth will permit an adjacent collocation arrangement ("Adjacent Arrangement") on BellSouth property on which a central office is located, where physical collocation space within the central office is legitimately exhausted,

subject to technical feasibility, where the Adjacent Arrangement does not interfere with access to existing or planned structures or facilities on the property, and where permitted by zoning and other applicable state and local regulations. The Adjacent Arrangement shall be constructed or procured by the ALEC and in conformance with BellSouth's design and construction specifications.

Q. WHAT ARE THE COST ELEMENTS FOR ADJACENT COLLOCATION?

A. The cost elements for adjacent collocation are shown under H.4 on Exhibits WBS-2 and Exhibit WBS-3. Additionally, collocation cable records elements, shown under H.7 on the same exhibits, apply for adjacent collocation.

Q. PLEASE DESCRIBE BELLSOUTH'S REMOTE TERMINAL COLLOCATION OFFERING.

A. BellSouth offers Remote Terminal collocation to ALECs on rates, terms and conditions that are just, reasonable, non-discriminatory and consistent with the rules of the Federal Communications Commission ("FCC"). BellSouth allows an ALEC to occupy certain areas designated by BellSouth within a remote site location of a size which is specified by the ALEC and agreed to by BellSouth. The remote site locations include cabinets, huts, and controlled environmental vaults owned or leased by BellSouth that house BellSouth Network Facilities.

Q. WHAT ARE THE COST ELEMENTS FOR REMOTE TERMINAL COLLOCATION?

A. The cost elements for remote terminal collocation are shown under H.6 on Exhibits WBS-2 and WBS-3. ALECs have also expressed an interest in obtaining a virtual collocation arrangement in remote terminals. This filing reflects the elements and costs associated with such an arrangement. They are the same as the physical collocation in a remote terminal and are shown under H.8 on Exhibits WBS-2 and WBS-3.

Q. EARLIER, YOU STATED THAT THE ASSEMBLY POINT OFFERING WOULD BE ADDRESSED. PLEASE DESCRIBE BELLSOUTH'S ASSEMBLY POINT OFFERING.

A. BellSouth provides Assembly Point in addition to collocation. The Assembly Point product is offered for three service types on a per cross-connect basis: 1) 2-wire, 2) 4-wire, and 3) DS1. Assembly Point allows ALECs to combine two network elements at a cross-connect point designated by BellSouth. BellSouth will supply all equipment required to access the UNEs. The ALEC must supply the jumpers to connect two elements at the Assembly Point location. The ALEC may not install any equipment within the Assembly Point area.

Q. WHAT ARE THE COST ELEMENTS FOR ASSEMBLY POINT?

A. Assembly Point is provided as assembly point cross connects and has an associated nonrecurring charge and monthly charge (H.3 on Exhibits WBS-2 and WBS-3). Assembly Point has the following cost elements:

- 2 – Wire Cross-Connects: this cost element recovers the cost to run 2 – wire

cross-connects from a distribution frame to an assembly point frame. A cross-connect is required for each UNE in the combination established.

- 4 – Wire Cross-Connects: this cost element recovers the cost to run 4 – wire cross-connects from a distribution frame to an assembly point frame. A cross-connect is required for each UNE in the combination established.
- DS1 Cross-Connects: this cost element recovers the cost to run DS1 cross-connects from a DSX panel to an assembly point frame. A cross-connect is required for each UNE in the combination established.

Q. WHY HAS BELLSOUTH CHOSEN TO FILE COST SUPPORT FOR THE ELEMENTS SHOWN IN ITS COST STUDY AND ON EXHIBITS WBS-2 AND WBS-3?

A. The elements listed on Exhibits WBS-2 and WBS-3 are the elements that BellSouth needs to provision the various types of collocation pursuant to FCC orders and based on customer requests. For example, the FCC requires that ILECs provide physical collocation not just for caged, but also for cageless and shared arrangements (paragraphs 40 and 41 of the Advanced Services Order in CC Docket No. 98-147). The FCC also requires that ILECs permit adjacent collocation and remote terminal collocation (paragraph 44 of the Advanced Services Order in CC Docket No. 98-147 and paragraph 221 of the Unbundled Network Element Remand Order in CC Docket No. 96-98). Additionally, ALECs have requested a unique application fee just for power reduction (H.1.60) and remote site data that can be used to develop an appropriate business plan (H.9.1). Again, as stated previously, while disagreeing that the elements should be required, BellSouth has

also provided cost support for elements used with copper entrance facilities and DC power on a per used amp basis solely for this Commission's review and analysis.

BellSouth has filed cost support for collocation elements to allow for the recovery of its reasonable cost while providing the required collocation offerings and the collocation offerings requested by ALECs.

Issue 9B: For those collocation elements for which rates should be set, what is the proper rate and the appropriate application of those rates?

Q. WHAT SHOULD DETERMINE WHETHER THE PROPOSED RATES ARE PROPER?

A. The proposed rates should be proper if they are based on a forward-looking cost study that adheres to the Total Element Long Run Incremental Cost ("TELRIC") pricing rules and uses the cost study methodology previously approved by this Commission.

Q. WHAT COST METHODOLOGY DID BELLSOUTH USE TO DETERMINE THE COSTS FOR THE ELEMENTS CONTAINED IN THIS FILING?

A. BellSouth used the same cost methodology previously approved by this Commission in its Orders in Docket No. 990649-TP (Order No. PSC-01-1181-

FOF-TP, dated May 25, 2001 and Order No. PSC-01-2051-FOF-TP, dated October 18, 2001). Additionally, BellSouth has made all applicable ordered adjustments in that docket. For example, BellSouth is using the ordered cost of capital, depreciation rates, and income tax factor. However, since this is a new proceeding and the study period is 2003 - 2005, other factors and loadings have been updated to reflect the latest available inputs.

Q. DO BELLSOUTH'S COST STUDIES FOR THE COLLOCATION ELEMENTS AND ASSEMBLY POINT ADHERE TO THE TELRIC PRICING RULE?

A. Yes, BellSouth's cost studies do adhere to the TELRIC pricing rules. They reflect only forward-looking economic costs. BellSouth's collocation and Assembly Point rates, which are based on the costs BellSouth will incur, are just, reasonable, and nondiscriminatory.

Q. WHAT ARE THE PROPER RATES AND APPROPRIATE APPLICATION OF THOSE RATES?

A. The proper rates are the rates based on BellSouth's cost study. The cost study adheres to TELRIC pricing rules and is compliant with the cost study methodology approved by this Commission. The rates should be applied as addressed in the testimonies of BellSouth witnesses Mr. Wayne Gray (Issue 1) and Mr. Keith Milner (Issues 4 and 6).

Regarding issue 1, Mr. Gray explains when recurring charges and nonrecurring charges should be billed. Regarding issues 4 and 6, Mr. Milner explains why BellSouth should not be required to provide copper entrance facilities within the context of a collocation arrangement inside the central office and that the per amp rate for DC power should apply on fused capacity.

Issue 10: What are the appropriate definitions, and associated terms and conditions for the collocation elements to be determined by the Commission?

Q. WHAT ARE THE APPROPRIATE DEFINITIONS FOR THE ELEMENTS FOR WHICH BELLSOUTH HAS PROVIDED COST SUPPORT?

A. The appropriate definitions for the elements for which BellSouth has provided cost support are the definitions provided in the Narrative Section of the cost study (Exhibit WBS-1) and in Exhibit WBS-3. The file location for the Narrative Section of the cost study on the CD is: E:\Documentation\1 Narratives and Study Descriptions\FLCOLLnar.doc (Section 5). The cost study also provides additional descriptive and supportive information on the various collocation elements.

Q. DOES THIS CONCLUDE YOUR TESTIMONY?

A. Yes.

BellSouth Telecommunications, Inc.
FPSC Docket Nos. 981834 and 990321-TP
Exhibit WBS-1

FLORIDA DOCKETS 981834-TP, 990321-TP

BELLSOUTH TELLECOMMUNICATIONS, INC.

COLLOCATION COST STUDIES

FEBRUARY 4, 2003

PROVIDED ON CD-ROM

Element Summary Report

Study Name:	
State:	Florida
Scenario:	State Average
Study Type.	TELRIC

Cost Element	Description	Recurring	Non Recurring	Non-Recurring First	Non-Recurring Additional	Non-Recurring Initial	Non-Recurring Subsequent
H.0	COLLOCATION						
H.1	PHYSICAL COLLOCATION						
H.1.1	Physical Collocation - Application Cost - Initial		$2,785				
H 1.1	Physical Collocation - Application Cost - Initial - Disconnect Only		$1.20				
H 1.5	Physical Collocation - Fiber Entrance Cable Installation, per Cable		$1,473				
H 1.5	Physical Collocation - Fiber Entrance Cable Installation, per Cable - Disconnect Only		$43.84				
H.1.6	Physical Collocation - Floor Space per Sq. Ft.	$5.28					
H.1.7	Physical Collocation - Cable Support Structure per Fiber Entrance Cable	$5.19					
H.1.8	Physical Collocation - Power per Fused Amp	$7.26					
H.1.9	Physical Collocation - 2-Wire Cross-Connects	$0.0208		$7 32	$5.37		
H 1.9	Physical Collocation - 2-Wire Cross-Connects - Disconnect Only			$4.58	$2.71		
H.1.10	Physical Collocation - 4-Wire Cross-Connects	$0.0416		$8 00	$5.75		
H 1.10	Physical Collocation - 4-Wire Cross-Connects - Disconnect Only			$5 00	$2.69		
H.1.11	Physical Collocation - DS1 Cross-Connects	$0.3786		$7.88	$6.25		
H.1.11	Physical Collocation - DS1 Cross-Connects - Disconnect Only			$1 35	$0.9899		
H 1.12	Physical Collocation - DS3 Cross-Connects	$4.16		$32.40	$31.03		
H.1.12	Physical Collocation - DS3 Cross-Connects - Disconnect Only			$11.15	$10.98		
H 1.13	Physical Collocation - 2-Wire POT Bay	$0.0300					
H 1.14	Physical Collocation - 4-Wire POT Bay	$0.0600					
H.1.15	Physical Collocation - DS1 POT Bay	$0.4238					
H.1.16	Physical Collocation - DS3 POT Bay	$3 78					
H.1.17	Physical Collocation - Security Escort - Basic, per Half Hour			$33 65	$22.05		
H.1.18	Physical Collocation - Security Escort - Overtime, per Half Hour			$44 63	$26.89		
H 1 19	Physical Collocation - Security Escort - Premium, per Half Hour			$55.62	$35.73		
H.1.23	Physical Collocation - Welded Wire Cage - First 100 Sq Ft.	$189.73					
H 1 24	Physical Collocation - Welded Wire Cage - Add'l 50 Sq. Ft.	$18.61					
H.1.31	Physical Collocation - 2-Fiber Cross-Connect	$1.71		$28 26	$25.85		
H.1.31	Physical Collocation - 2-Fiber Cross-Connect - Disconnect Only			$13.78	$11 01		
H.1.32	Physical Collocation - 4-Fiber Cross-Connect	$3.34		$37.92	$35.51		
H.1.32	Physical Collocation - 4-Fiber Cross-Connect - Disconnect Only			$18.20	$15.44		
H.1.33	Physical Collocation - 2-Fiber POT Bay	$12.89					
H.1 34	Physical Collocation - 4-fiber POT Bay	$17.39					
H.1.37	Physical Collocation - Security Access System - Security System per square Foot per Central Office	$0.0125					
H.1.38	Physical Collocation - Security Access System - New Access Card Activation, per Card		$38.95				
H.1.39	Physical Collocation - Security Access System - Administrative Change, existing Access Card, per Card		$8.84				
H.1 40	Physical Collocation - Security Access System - Replace Lost or Stolen Card, per Card		$28.78				
H.1.41	Physical Collocation - Space Preparation - C.O. Modification per square ft	$2.38					
H.1 42	Physical Collocation - Space Preparation - Common Systems Modification per square ft. - Cageless	$2.50					
H.1.43	Physical Collocation - Space Preparation - Common Systems Modification per Cage	$84.93					

Element Summary Report

Study Name:	
State:	Florida
Scenario:	State Average
Study Type.	TELRIC

Cost Element	Description	Recurring	Non Recurring	Non-Recurring First	Non-Recurring Additional	Non-Recurring Initial	Non-Recurring Subsequent
H.1 45	Physical Collocation - Space Preparation - Firm Order Processing		$287.36				
H.1.46	Physical Collocation - Application Cost - Subsequent		$2,236				
H.1.46	Physical Collocation - Application Cost - Subsequent - Disconnect Only		$1.20				
H.1 47	Physical Collocation - Space Availability Report per C.O.		$572.66				
H.1 48	Physical Collocation: Co-Carrier Cross-Connect Fiber Cable Support Structure, per Linear Ft per Cable	$0.0008					
H.1.49	Physical Collocation: Co-Carrier Cross-Connect Copper or Coaxial Cable Support Structure, per Linear Ft. per Cable	$0.0012					
H.1 50	Physical Collocation - 120V, Single Phase Standby Power Cost	$5.26					
H.1.51	Physical Collocation - 240V, Single Phase Standby Power Cost	$10.53					
H 1 52	Physical Collocation - 120V, Three Phase Standby Power Cost	$15.80					
H.1.53	Physical Collocation - 277V, Three Phase Standby Power Cost	$36.47					
H.1.54	Physical Collocation - Security Access - Initial Key, per Key		$23 28				
H 1.55	Physical Collocation - Security Access - Key, Replace Lost or Stolen Key, per Key		$23 28				
H.1.56	Physical Collocation - Copper Entrance Cable Support Structure, Per Each 100 Pairs	$0.1406					
H.1.57	Physical Collocation - Copper Entrance Cable Installation, Per Cable		$1,510				
H 1 57	Physical Collocation - Copper Entrance Cable Installation, Per Cable - Disconnect Only		$43.84				
H.1.58	Physical Collocation - Copper Entrance Cable Installation, Per Each 100 Pairs		$18.56				
H.1 59	Subsequent Application for Co-Carrier Cross Connect per Occurrence		$564.81				
H.1.60	Physical Collocation - Power Reduction Application Fee		$409.50				
H.1 61	Physical Collocation - Administration Only Application Fee		$760 91				
H.1.61	Physical Collocation - Administration Only Application Fee - Disconnect Only		$1 20				
H.1.62	Physical Collocation - Connecting Facility Assignment (CFA) Resend, per CLLI		$79.52				
H.1.63	Physical Collocation - Copper Entrance Cable Installation, per cable (0 Mh to Vault Splice)		$1,195				
H.1.63	Physical Collocation - Copper Entrance Cable Installation, per cable (0 Mh to Vault Splice) - Disconnect Only		$43.84				
H.1.64	Physical Collocation - Copper Entrance Cable Installation, per each 100 pair		$18.56				
H.1.65	Physical Collocation - Fiber Entrance Cable Installation, per cable (0 Mh to Vault Splice)		$994.12				
H.1.65	Physical Collocation - Fiber Entrance Cable Installation, per cable (0 Mh to Vault Splice) - Disconnect Only		$43.84				
H.1.66	Physical Collocation - Fiber Entrance Cable Installation, per each fiber		$7.43				
H 1.71	Physical Collocation: Power per Used Ampere	$10.87					
H.2	VIRTUAL COLLOCATION						
H.2.1	Virtual Collocation - Application Cost		$1,241				
H 2.1	Virtual Collocation - Application Cost - Disconnect Only		$1.20				
H.2.2	Virtual Collocation - Fiber Entrance Cable Installation, per Cable		$1,473				
H.2.2	Virtual Collocation - Fiber Entrance Cable Installation, per Cable - Disconnect Only		$43.84				
H.2.3	Virtual Collocation - Floor Space Per Sq. Ft.	$5 28					
H.2.4	Virtual Collocation - Power per Fused Amp	$7.26					
H.2.5	Virtual Collocation - Cable Support Structure, Per Entrance Cable	$4 54					
H.2.6	Virtual Collocation - 2-wire Cross Connects	$0.0201		$7 32	$5.37		
H.2.6	Virtual Collocation - 2-wire Cross Connects - Disconnect Only			$4 58	$2.71		
H 2 7	Virtual Collocation - 4-wire Cross Connects	$0.0403		$8.00	$5.75		
H.2 7	Virtual Collocation - 4-wire Cross Connects - Disconnect Only			$5.00	$2.69		

Element Summary Report

Study Name	
State	Florida
Scenario:	State Average
Study Type.	TELRIC

Cost Element	Description	Recurring	Non Recurring	Non-Recurring First	Non-Recurring Additional	Non-Recurring Initial	Non-Recurring Subsequent
H.2.8	Virtual Collocation - DS1 Cross Connects	$0.3786		$7.88	$6 26		
H.2.8	Virtual Collocation - DS1 Cross Connects - Disconnect Only			$1.35	$0.9915		
H.2.9	Virtual Collocation - DS3 Cross Connects	$4.16		$32.40	$31.03		
H.2 9	Virtual Collocation - DS3 Cross Connects - Disconnect Only			$11 15	$10.98		
H.2.10	Virtual Collocation - Security Escort - Basic, Per Half Hour			$33 65	$22.05		
H.2.11	Virtual Collocation - Security Escort - Overtime, Per Half Hour			$44 63	$28.89		
H.2 12	Virtual Collocation - Security Escort - Premium, Per Half Hour			$55 62	$35.73		
H.2.16	Virtual Collocation - 2-Fiber Cross Connect	$1.75		$28.26	$25.85		
H.2.16	Virtual Collocation - 2-Fiber Cross Connect - Disconnect Only			$13 78	$11.01		
H.2.17	Virtual Collocation - 4-Fiber Cross Connect	$3.50		$37.92	$35.51		
H.2.17	Virtual Collocation - 4-Fiber Cross Connect - Disconnect Only			$18 20	$15.44		
H.2 20	Virtual Collocation - Maintenance in the CO - Basic, per Half Hour			$54.05	$22.05		
H.2.21	Virtual Collocation - Maintenance in the CO - Overtime, per Half Hour			$72 18	$28.89		
H.2.22	Virtual Collocation - Maintenance in the CO - Premium, per Half Hour			$90 31	$35.73		
H.3	ASSEMBLY POINT						
H.3.1	Assembly Point: 2-Wire Cross Connects	$0.2452		$7 32	$5.37		
H.3.1	Assembly Point: 2-Wire Cross Connects - Disconnect Only			$4.58	$2 71		
H.3 2	Assembly Point: 4-Wire Cross Connects	$0.4903		$8 00	$5.75		
H 3.2	Assembly Point. 4-Wire Cross Connects - Disconnect Only			$5 00	$2 69		
H.3.3	Assembly Point: DS-1 Cross Connects	$7 28		$7.88	$6.26		
H.3.3	Assembly Point. DS-1 Cross Connects - Disconnect Only			$1 35	$0.9915		
H.4	ADJACENT COLLOCATION						
H.4.1	Adjacent Collocation - Space Cost per Sq. Ft.	$0.1666					
H.4.2	Adjacent Collocation - Electrical Facility Cost per Linear Ft.	$4.62					
H.4.3	Adjacent Collocation - 2-Wire Cross-Connects	$0.0194		$7 32	$5 37		
H.4.3	Adjacent Collocation - 2-Wire Cross-Connects - Disconnect Only			$4 58	$2 71		
H.4.4	Adjacent Collocation - 4-Wire Cross-Connects	$0.0388		$8 00	$5.75		
H.4.4	Adjacent Collocation - 4-Wire Cross-Connects - Disconnect Only			$5 00	$2.69		
H.4.5	Adjacent Collocation - DS1 Cross-Connects	$0.3708		$7 88	$6.26		
H.4.5	Adjacent Collocation - DS1 Cross-Connects - Disconnect Only			$1 35	$0.9915		
H.4 6	Adjacent Collocation - DS3 Cross-Connects	$4.14		$32.40	$31.03		
H.4.6	Adjacent Collocation - DS3 Cross-Connects - Disconnect Only			$11.15	$10.98		
H.4.7	Adjacent Collocation - 2-Fiber Cross-Connect	$1.70		$28 26	$25.85		
H.4.7	Adjacent Collocation - 2-Fiber Cross-Connect - Disconnect Only			$13 78	$11.01		
H.4.8	Adjacent Collocation - 4-Fiber Cross-Connect	$3.33		$37.92	$35.51		
H 4.8	Adjacent Collocation - 4-Fiber Cross-Connect - Disconnect Only			$18.20	$15.44		
H.4.9	Adjacent Collocation - Application Cost		$2,763				
H.4.9	Adjacent Collocation - Application Cost - Disconnect Only		$1.02				
H.4.16	Adjacent Collocation - 120V, Single Phase Standby Power Cost per AC Breaker Amp	$5.26					

Element Summary Report

Study Name:	
State:	Florida
Scenario:	State Average
Study Type:	TELRIC

Cost Element	Description	Recurring	Non Recurring	First	Non-Recurring Additional	Initial	Subsequent
H.4.17	Adjacent Collocation - 240V, Single Phase Standby Power Cost per AC Breaker Amp	$10.53					
H.4.18	Adjacent Collocation - 120V, Three Phase Standby Power Cost per AC Breaker Amp	$15.80					
H.4.19	Adjacent Collocation - 277V, Three Phase Standby Power Cost per AC Breaker Amp	$36.47					
H 6	Physical Collocation In The Remote Terminal (RT)						
H.6.1	Physical Collocation In The Remote Terminal - Application Fee		$612.23				
H 6.1	Physical Collocation In The Remote Terminal - Application Fee - Disconnect Only		$270.35				
H 6.2	Physical Collocation In The Remote Terminal - Per Rack/Bay	$154.59					
H.6.3	Physical Collocation In The Remote Terminal - Security Access Key		$23.28				
H 6 4	Physical Collocation in the RT - Space Availability Report per premises requested		$223.91				
H.6.5	Physical Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested		$73.39				
H.7	COLLOCATION CABLE RECORDS						
H.7.1	Collocation Cable Records - per request					$1,515	$973.64
H.7.1	Collocation Cable Records - per request - Disconnect Only					$256.35	$256.35
H.7 2	Collocation Cable Records - VG/DS0 Cable, per cable record					$646.84	$646 84
H 7.2	Collocation Cable Records - VG/DS0 Cable, per cable record - Disconnect Only					$362.41	$362.41
H.7 3	Collocation Cable Records - VG/DS0 Cable, per each 100 pair					$9.11	$9.11
H.7 3	Collocation Cable Records - VG/DS0 Cable, per each 100 pair - Disconnect Only					$10 80	$10.80
H.7.4	Collocation Cable Records - DS1, per T1TIE					$4.52	$4.52
H.7 4	Collocation Cable Records - DS1, per T1TIE - Disconnect Only					$5.35	$5.35
H.7.5	Collocation Cable Records - DS3, per T3TIE					$15.81	$15.81
H.7.5	Collocation Cable Records - DS3, per T3TIE - Disconnect Only					$18.73	$18.73
H 7 6	Collocation Cable Records - Fiber Cable, per Cable Record					$169.96	$169.96
H.7.6	Collocation Cable Records - Fiber Cable, per Cable Record - Disconnect Only					$149.97	$149.97
H.8	VIRTUAL COLLOCATION IN THE REMOTE TERMINAL (RT)						
H.8.1	Virtual Collocation In the Remote Terminal (RT) - Application Fee (Same as H.6 1)		$612.23				
H.8.1	Virtual Collocation In the Remote Terminal (RT) - Application Fee - Disconnect Only (Same as H.6.1)		$270.35				
H 8.2	Virtual Collocation In the Remote Terminal (RT) - Per Bay/Rack Of Space (Same as H.6.2)	$154.59					
H 8.3	Virtual Collocation In the Remote Terminal (RT) - Space Availability Report Per Premises Requested (Same as H.6.4)		$223.91				
H.8.4	Virtual Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested (Same as H.6.5)		$73.39				
H.9	COLLOCATION - BRSDD						
H 9 1	Bellsouth Remote Site DLEC Data (BRSDD), per Compact Disc per Central Office		$208 02				

Element Definition/Description

Cost Element

H.0 COLLOCATION

H.1 PHYSICAL COLLOCATION

H.1.1 **Physical Collocation - Application Cost**
Nonrecurring costs associated with an ALEC submitting an initial application or service inquiry requesting a specific collocation arrangement. Cost is based on various work groups activities, such as: reviewing application for accuracy, discussing application with applicant, processing application, review of application by different departments, and compilation of responses.

H.1.5 **Physical Collocation - Fiber Cable Installation Cost Per Entrance Cable**
Nonrecurring cost of labor to punch through the central office manhole, pull the collocator fiber cable from the central office manhole to the central office vault, splice to the collocator provided nser cable, and pull the cable through the central office cable support to the collocation arrangement

H.1.6 **Physical Collocation - Floor Space, Per Sq. Ft.**
Recurring cost of floor space allows BellSouth to recover the cost of the building space being occupied by ALECs. It includes the costs for lighting, heating, air conditioning, and other allocated expenses and associated maintenance of the building. BellSouth uses actual costs for telephone company building additions to develop this cost. This element does not include any power-related costs or nonrecurring cost.

H.1.7 **Physical Collocation - Cable Support Structure, Per Entrance Cable**

Recurring cost of the central office duct and overhead racking that support the collocator's private fiber entrance cable from the central office vault to the collocation arrangment The cost is based on an average length of cable support structure.

H.1.8 **Physical Collocation - Power per Fused Amp**
Recurring cost to provide DC power for telecommunications equipment in a collocation arrangement on a per fused ampere per month basis. The cost recovers the investments associated with the BellSouth's DC power plant (e.g., batteries and rectifiers) and monthly commercial AC charges. The investment and commercial AC charges are multiplied by a factor of .67 because billing is based on fused amps. This element does not have a nonrecurring cost

H.1.9 **Physical Collocation - 2-wire Cross Connects**

Recurring cost of the termination on the frame or panel and the cable support structure used by the collocator to install its cables that run from the collocation space to the termination on the frame or panel. Also includes the nonrecurring cost associated with various work groups processing the cross connect service order, coordinating the work to make the wiring connection, and making the physical connection between a network element and the collocation space. Cross connects are purchased by the collocator to access BellSouth's network. The collocator will purchase and install the cables that run from the collocation space to the termination on BellSouth's distributing frame, Digital System Cross-connect (DSX) panel, or Light Guide Cross-Connect (LGX) panel

H.1.10 **Physical Collocation - 4-wire Cross Connects**
Same as description for 2-wire cross connect, H.1.9

H 1.11 **Physical Collocation - DS1 Cross Connects**
Same as description for 2-wire cross connect, H.1.9

H.1.12 **Physical Collocation - DS3 Cross Connects**
Same as description for 2-wire cross connect, H 1.9

H.1.13 **Physical Collocation - 2 Wire POT Bay**
Recurring cost of the Point of Termination bay which is used as a cross connect frame. This element does not have a nonrecurring cost associated with it and is optional

H.1.14 **Physical Collocation - 4 Wire POT Bay**
Same as description for 2 Wire POT Bay, H.1.13

H.1.15 **Physical Collocation - DS1 POT Bay**
Same as description for 2 Wire POT Bay, H.1.13

H.1.16 **Physical Collocation - DS3 POT Bay**
Same as description for 2 Wire POT Bay, H.1 13

H 1.17 **Physical Collocation - Security Escort - Basic, Per Half Hour**
Nonrecurring costs associated with providing a security escort to a collocator or its approved agent desiring access to the central office. The costs are the worktimes multiplied by the labor costs for normal working hours.

H.1.18 **Physical Collocation - Security Escort - Overtime, Per Half Hour**
Nonrecurring costs associated with providing a security escort to a collocator or its approved agent desiring access to the central office. The costs are the worktimes multiplied by the labor costs for overtime working hours.

H.1.19 **Physical Collocation - Security Escort - Premium, Per Half Hour**

Element Definition/Description

Cost Element

Nonrecurring costs associated with providing a security escort to a collocator or its approved agent desiring access to the central office The costs are the worktimes multiplied by the labor costs for premium working hours.

H.1.23 **Physical Collocation - Welded Wire Cage - First 100 Sq. Ft.**
Recurring costs associated with BellSouth constructing the first 100 square feet of welded wire cage/enclosure for the collocator's equipment arrangement. This element is optional; collocator can have a certified contractor build enclosure. The recurring cost includes the material, engineering and installation. This element does not have a nonrecurring cost.

H.1.24 Physical Collocation - Welded Wire Cage - Add'l 50 Sq. Ft.

Recurring costs associated with BellSouth constructing an additional 50 square feet of welded wire cage/enclosure at the same time as the first 100 square feet is constructed. This element is optional; collocator can have a certified contractor build enclosure. The recurring cost includes the material, engineering and installation. This element does not have a nonrecurring cost.

H.1.31 **Physical Collocation - 2-fiber Cross Connect**
Same as description for 2-wire cross connect, H 1.9

H.1.32 **Physical Collocation - 4-fiber Cross Connect**
Same as description for 2-wire cross connect, H.1.9

H.1.33 **Physical Collocation - 2-fiber POT Bay**
Same as description for 2 Wire POT Bay, H 1.13

H.1.34 **Physical Collocation - 4-fiber POT Bay**
Same as description for 2 Wire POT Bay, H 1.13

H.1.37 **Physical Collocation - Security Access System - Security System, per Central Office, per Square Foot**

Recurring cost to place two security access system card readers in central offices. This element does not have a nonrecurring cost.

H.1.38 **Physical Collocation - Security Access system - New Access Card Activation, per Card**

Nonrecurring costs associated with the programming and delivery of new access cards. This element does not have a recurring cost.

H.1.39 **Physical Collocation - Security Access System - Administrative Charge, Existing Card, per Card**
Nonrecurring costs associated with the programming required to change the information on an existing card, such as personnel changes or adding central offices to a card. This element does not have a recurring cost

H.1.40 **Physical Collocation - Security Access System - Replace Lost or Stolen Card, per Card**
Nonrecurring costs associated with programming to deactivate a lost/stolen card and to activate and deliver a new access card This element does not have a recurring cost.

H.1.41 **Physical Collocation - Space Preparation - C.O. Modification per square ft.**
Recurring costs associated with the building design, construction, and modification work to prepare the central office space for collocation, including heating, ventilation and air conditioning, electrical, and architectural work. This element applies for caged and cageless arrangements and does not have a nonrecurring cost

H.1.42 **Physical Collocation - Space Preparation - Common Systems Modification per square ft. - Cageless**
Recurring costs (per square foot) associated with cable racking, stanchions, AC main feed to bay, etc. required to prepare the central office space for cageless collocation This element does not have a nonrecurring cost.

H.1.43 **Physical Collocation - Space Preparation - Common Systems Modification - per Cage**
Recurring costs (per cage) associated with cable racking, stanchions, AC main feed to cage, etc. required to prepare the central office space for caged collocation This element does not have a nonrecurring cost.

H.1.45 **Physical Collocation - Space Prep - Firm Order Processing**
Nonrecurring costs associated with various work groups receiving, reviewing, and processing a collocation firm order, including processing payments, distributing it to various departments involved, scheduling meetings internally and externally, and establishing and monitoring project critical dates

H.1.46 **Physical Collocation - Application Cost - Subsequent**
Nonrecurring costs associated with an ALEC submitting a subsequent application requesting a specific collocation arrangement. Cost is based on various work groups activities, such as: reviewing application for accuracy, discussing application with applicant, processing application, review of application by different departments, and compilation of responses.

H.1.47 **Physical Collocation - Space Availability Report per C.O.**
Nonrecurring costs associated with the work groups required to prepare the space availability report The report must specify the amount of collocation space available at each requested premises, the number of collocators, and any modifications in the use of the space since the last report, et al. This element does not have a recurring cost and is optional.

H.1.48 **Physical Collocation - Co-Carrier Cross Connect - Fiber Cable Support Structure**

Element Definition/Description

Cost Element

Recurring costs associated with fiber cable support structure, on a per linear foot basis, used by ALECs in provisioning co-carrier cross connects. Co-carrier cross connects allow ALECs/ALEC certified vendors to run cable from one ALEC's collocation space to another ALEC's space. This element does not have a nonrecurring cost

H.1.49 **Physical Collocation - Co-Carrier Cross Connect - Copper/Coaxial Cable Support Structure**
Recurring costs associated with copper/coaxial cable support structure, on a per linear foot basis, used by ALECs in provisioning co-carrier cross connects. Co-carrier cross connects allow ALECs/ALEC certified vendors to run cable from one ALEC's collocation space to another ALEC's space. This element does not have a nonrecurring cost.

H.1.50 **Physical Collocation - 120V, Single Phase Standby Power Cost**
Recurring costs associated with providing commercial AC power and standby AC power to a collocator's DC power plant. This element is used when an ALEC provides its own DC power plant and would not use element H.1.8. The costs are based on the electrical service (voltage and phases) and the rating (in Amps) of the electrical protection device used to provide the AC power. This element does not have a nonrecurring cost

H.1.51 **Physical Collocation - 240V, Single Phase Standby Power Cost**
Same as description for 120V, Single Phase Standby Power Cost, H.1.50

H.1.52 **Physical Collocation - 120V, Three Phase Standby Power Cost**
Same as description for 120V, Single Phase Standby Power Cost, H 1.50

H 1.53 **Physical Collocation - 277V, Three Phase Standby Power Cost**
Same as description for 120V, Single Phase Standby Power Cost, H.1.50

H.1.54 **Physical Collocation - Security Access - Initial Key, per Key**
Nonrecurring cost to obtain, distribute, and monitor keys to central offices and remote site locations that are provided to collocators. This element does not have a recurring cost.

H.1.55 **Physical Collocation - Security Access - Key, Replace Lost or Stolen Key, per Key**
Nonrecurring cost to obtain, distribute, and monitor replacement keys to central offices and remote site locations that are provided to collocators. This element does not have a recurring cost

H 1.56 **Physical Collocation - Copper Entrance Cable Support Structure, Per Each 100 Pairs**

Recurring cost of the central office duct and overhead racking that support the collocator's private copper entrance cable from the central office vault to the collocation arrangment. The cost is based on an average length of cable support structure.

H.1.57 **Physical Collocation - Copper Entrance Cable Installation, Per Entrance Cable**
Nonrecurring cost of labor to punch through the central office manhole, pull the collocator copper cable from the central office manhole to the central office vault, and pull the cable through the central office cable support to the collocation arrangement

H.1.58 **Physical Collocation - Copper Entrance Cable Installation, Per Each 100 Pairs**
Nonrecurring cost to splice 100 copper pairs

H.1.59 **Physical Collocation - Subsequent Application for Co-Carrier Cross Connect Only**
Nonrecurring costs of labor associated with the work groups required to prepare for the provisioning of co-carrier cross connects by determining the length and availability of cable racking and reviewing the ALEC's/ALEC's certified vendor Methods of Procedure. This element does not have a recurring cost.

H 1 60 **Physical Collocation - Power Reduction Application Fee**
Nonrecurring cost associated with an ALEC submitting a subsequent application that only requests to reduce its DC power requirements. The cost is based on the labor of various work groups involved.

H.1.61 **Physical Collocation - Administration Only Application Fee**
Nonrecurring cost associated with an ALEC submitting a subsequent application that only requests an administration type change An example of this is the removal of some of the equipment from the collocation space but not terminating the collocation arrangement. The cost is based on the labor of various work groups involved

H.1.62 **Physical Collocation - Connecting Facility Assignment (CFA) Resend, per CLLI**
Nonrecurring costs associated with processing and responding to an ALEC's request for a resend of the CFA data.

H 1.63 **Physical Collocation - Copper Entrance Cable Installation, Per Entrance Cable (C.O. Manhole to Vault Splice)**
Nonrecurring cost of labor to punch through the manhole and pull the collocator copper cable from the central office manhole into the central office vault The ALEC provides and its certified vendor pulls the copper cable through the central office from the vault to the collocation arrangement.

H.1.64 **Physical Collocation - Copper Entrance Cable Installation, Per Each 100 Pair**
Nonrecurring cost to splice 100 copper pairs.

H.1.65 **Physical Collocation - Fiber Entrance Cable Installation, Per Entrance Cable (C.O. Manhole to Vault Splice)**

Element Definition/Description

Cost Element

Nonrecurring cost of labor to arrange the punch through the manhole and pull the collocator fiber cable from the central office manhole to the central office vault. The ALEC provides and its certified vendor pulls the fiber cable through the central office from the collocation arrangement to the vault.

H.1.66 **Physical Collocation - Fiber Entrance Cable Installation, Per Each Fiber**
Nonrecurring cost to splice a fiber.

H.1 71 **Physical Collocation - Power per Used Amp**
Recurring cost to provide DC power for telecommunications equipment in a collocation arrangement on a per used ampere per month basis. The cost recovers the investments associated with the BellSouth's DC power plant (e.g., batteries and rectifiers) and monthly commercial AC charges. The investment and commercial AC charges are not multiplied by a factor of .67. This element does not have a nonrecurring cost or other costs that will be required for monitoring power consumption.

H.2 **VIRTUAL COLLOCATION**

H.2.1 **Virtual Collocation - Application Cost**

Nonrecurring costs associated with an ALEC submitting an application or service inquiry requesting a specific virtual collocation arrangement Cost is based on various work groups activities, such as· reviewing application for accuracy, discussing application with applicant, processing application, review of application by different departments, and compilation of responses

H.2 2 **Virtual Collocation - Fiber Entrance Cable Installation, per Cable**
Nonrecurring cost of labor to punch through the central office manhole, pull the collocator fiber cable from the central office manhole to the central office vault, splice to the collocator provided riser cable, and pull the cable through the central office cable support to the collocation arrangement.

H.2.3 **Virtual Collocation - Floor Space Per Sq. Ft.**
Recurring cost of floor space allows BellSouth to recover the cost of the building space being occupied by ALECs. It includes the costs for lighting, heating, air conditioning, and other allocated expenses and associated maintenance of the building. BellSouth uses actual costs for telephone company building additions to develop this cost This element does not include any power-related costs or nonrecurring cost.

H 2.4 **Virtual Collocation - Power per Fused Amp**
Recurring cost to provide DC power for telecommunications equipment in a collocation arrangement on a per fused ampere per month basis. The cost recovers the investments associated with the BellSouth's DC power plant (e.g., batteries and rectifiers) and monthly commercial AC charges. The investment and commercial AC charges are multiplied by a factor of .67 because billing is based on fused amps. This element does not have a nonrecurring cost.

H.2.5 **Virtual Collocation - Cable Support Structure, Per Entrance Cable**

Recurring cost of the central office duct and overhead racking that support the collocator's private fiber entrance cable from the central office vault to the collocation arrangment The cost is based on an average length of cable support structure

H.2.6 **Virtual Collocation - 2-wire Cross Connects**

Recurring cost of the termination on the frame or panel and the cable support structure used by the collocator to install its cables that run from the collocation space to the termination on the frame or panel. Also includes the nonrecurring cost associated with various work groups processing the cross connect service order, coordinating the work to make the wiring connection, and making the physical connection between a network element and the collocation space. Cross connects are purchased by the collocator to access BellSouth's network. The collocator will purchase and install the cables that run from the collocation space to the termination on BellSouth's distributing frame, Digital System Cross-connect (DSX) panel, or Light Guide Cross-Connect (LGX) panel.

H.2.7 **Virtual Collocation - 4-wire Cross Connects**
Same as description for 2-wire cross connect, H.2.6

H.2.8 **Virtual Collocation - DS1 Cross Connects**
Same as description for 2-wire cross connect, H.2.6

H 2.9 **Virtual Collocation - DS3 Cross Connects**
Same as description for 2-wire cross connect, H.2 6

H 2.10 **Virtual Collocation - Security Escort - Basic, Per Half Hour**
Nonrecurring costs associated with providing a security escort to a collocator or its approved agent desiring access to the central office The costs are the worktimes multiplied by the labor costs for normal working hours.

H 2.11 **Virtual Collocation - Security Escort - Overtime, Per Half Hour**
Nonrecurring costs associated with providing a security escort to a collocator or its approved agent desiring access to the central office The costs are the worktimes multiplied by the labor costs for overtime working hours.

H 2.12 **Virtual Collocation - Security Escort - Premium, Per Half Hour**
Nonrecurring costs associated with providing a security escort to a collocator or its approved agent desiring access to the central office. The costs are the worktimes multiplied by the labor costs for premium working hours.

Element Definition/Description

Cost Element	
H.2 16	**Virtual Collocation - 2-Fiber Cross Connect** Same as description for 2-wire cross connect, H.2.6
H 2.17	**Virtual Collocation - 4-Fiber Cross Connect** Same as description for 2-wire cross connect, H 2.6
H 2.20	**Virtual Collocation - Maintenance in the CO - Basic, per Half Hour** Nonrecurring cost associated with maintenance of ALEC equipment in a virtual collocation arrangement The costs are the worktimes multiplied by the labor costs for normal working hours
H 2.21	**Virtual Collocation - Maintenance in the CO - Overtime, per Half Hour** Nonrecurring cost associated with maintenance of ALEC equipment in a virtual collocation arrangement The costs are the worktimes multiplied by the labor costs for overtime working hours.
H.2.22	**Virtual Collocation - Maintenance in the CO - Premium, per Half Hour** Nonrecurring cost associated with maintenance of ALEC equipment in a virtual collocation arrangement. The costs are the worktimes multiplied by the labor costs for premium working hours.
H 3	**ASSEMBLY POINT**
H 3 1	**Assembly Point: 2-Wire Cross Connects** Recurring costs of cable, cable support structure, frame, and frame terminations. Also includes the nonrecurring cost associated with various work groups processing UNE cross connect service orders and coordinating the work to make wiring connections between the UNEs and the assembly point frame. Assembly point allows ALECs to combine two unbundled network elements at a cross connect point designated by BellSouth without estalishing a collocation arrangement. BellSouth will supply all equipment required to access the UNEs; ALECs supply and run jumpers to connect the two UNEs
H.3.2	**Assembly Point: 4-Wire Cross Connects** Recurring costs of cable, cable support structure, frame, and frame terminations. Also includes the nonrecurring cost associated with various work groups processing UNE cross connect service orders and coordinating the work to make wiring connections between the UNEs and the assembly point frame. Assembly point allows ALECs to combine two unbundled network elements at a cross connect point designated by BellSouth without estalishing a collocation arrangement. BellSouth will supply all equipment required to access the UNEs; ALECs supply and run jumpers to connect the two UNEs.
H.3 3	**Assembly Point: DS-1 Cross Connects** Recurring costs of cable, cable support structure, repeater and associated repeater bay and shelf, and DSX panel. Also includes the nonrecurring cost associated with various work groups processing UNE cross connect service orders and coordinating the work to make wiring connections between the UNEs and the assembly point frame. Assembly point allows ALECs to combine two unbundled network elements at a cross connect point designated by BellSouth without estalishing a collocation arrangement. BellSouth will supply all equipment required to access the UNEs; ALECs supply and run jumpers to connect the two UNEs.
H.4	**ADJACENT COLLOCATION**
H 4 1	**Adjacent Collocation - Space Cost per Sq. Ft.** Recurring cost of land based on a weighted average of land value estimates at BellSouth central offices. Adjacent collocation is the construction of a controlled environmental vault or similar structure outside the central office building but on BellSouth's property.
H.4.2	**Adjacent Collocation - Electrical Facility Cost per Linear Ft.** Recurring cost to provide the electrical facility (e.g., conduit & power cable) and the path for the facility to give an ALEC access to a central office AC power source.
H.4 3	**Adjacent Collocation - 2-Wire Cross-Connects** Recurring cost of the termination on the frame or panel and the cable support structure used by the collocator to install its cables that run from the collocation space to the termination on the frame or panel. Also includes the nonrecurring cost associated with various work groups processing the cross connect service order, coordinating the work to make the wiring connection, and making the physical connection between a network element and the collocation space. Cross connects are purchased by the collocator to access BellSouth's network. The collocator will purchase and install the cables that run from the collocation space to the termination on BellSouth's distributing frame, Digital System Cross-connect (DSX) panel, or Light Guide Cross-Connect (LGX) panel
H.4.4	**Adjacent Collocation - 4-Wire Cross-Connects** Same as description for 2-wire cross connect, H.4.3
H.4 5	**Adjacent Collocation - DS1 Cross-Connects** Same as description for 2-wire cross connect, H.4 3
H 4 6	**Adjacent Collocation - DS3 Cross-Connects** Same as description for 2-wire cross connect, H.4.3

Element Definition/Description

Cost Element

H.4.7 **Adjacent Collocation - 2-Fiber Cross-Connect**
Same as description for 2-wire cross connect, H 4.3

H.4 8 **Adjacent Collocation - 4-Fiber Cross-Connect**
Same as description for 2-wire cross connect, H 4 3

H.4.9 **Adjacent Collocation - Application Cost**

Nonrecurring costs associated with an ALEC submitting an application or service inquiry requesting a specific adjacent collocation arrangement. Cost is based on various work groups activities, such as: reviewing application for accuracy, discussing application with applicant, processing application, review of application by different departments, and compilation of responses.

H.4.16 **Adjacent Collocation - 120V, Single Phase Standby Power Cost per AC Breaker Amp**

Recurring costs associated with providing commercial AC power and standby AC power to a collocator's DC power plant. This element is used when an ALEC provides its own DC power plant The costs are based on the electrical service (voltage and phases) and the rating (in Amps) of the electrical protection device used to provide the AC power. This element does not have a nonrecurring cost.

H.4.17 **Adjacent Collocation - 240V, Single Phase Standby Power Cost per AC Breaker AMP**
Same as description for 120V, Single Phase Standby Power Cost, H.4.16.

H.4.18 **Adjacent Collocation - 120V, Three Phase Standby Power Cost per AC Breaker AMP**
Same as description for 120V, Single Phase Standby Power Cost, H.4 16.

H 4 19 **Adjacent Collocation - 277V, Three Phase Standby Power Cost per AC Breaker AMP**
Same as description for 120V, Single Phase Standby Power Cost, H.4.16.

H.6 **PHYSICAL COLLOCATION IN THE REMOTE TERMINAL (RT)**
H.6.1 **Physical Collocation in the RT - Application Fee**

Nonrecurring costs associated with an ALEC submitting an application or service inquiry requesting a specific RT collocation arrangement Cost is based on various work groups activities, such as: reviewing application for accuracy, discussing application with applicant, processing application, review of application by different departments, and compilation of responses.

H 6 2 **Physical Collocation in the Remote Terminal (RT) per Bay / Rack:**
Recurring cost associated with infrastructure investments in RTs required to make space available for an ALEC. This cost includes all normal RT network infrastructure requirements (e.g., power, environmental, and space).

H 6.3 **Physical Collocation in the RT - Security Access - Key**
Nonrecurring cost to obtain, distribute, and monitor keys to central offices and remote site locations that are provided to collocators. This element does not have a recurring cost.

H.6.4 **Physical Collocation in the RT - Space Availability Report per premises requested**
Nonrecurring costs associated with the work groups required to prepare the space availability report The report must specify the amount of collocation space available at each requested premises, the number of collocators, and any modifications in the use of the space since the last report, et. al. This element does not have a recurring cost and is optional.

H.6.5 **Physical Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested**
Nonrecurring cost associated with the work groups required to locate a requested CLLI code for an RT. This element does not have a recurring cost.

H.7 **COLLOCATION CABLE RECORDS**
H.7.1 **Collocation Cable Records - per cable record**

Nonrecurring labor cost of the Circuit Capacity manager to interface with the ALEC, obtain the equipment inventory utilization of the frames, and to interface with other BellSouth Network individuals to develop the initial frame assignments based on the ALEC's collocation application and firm order. This activity occurs anytime between the receipt of a firm order and BellSouth's completion of its work at the collocation site. The end result of this process is to have included in required databases accurate facility assignments shown for the ALEC so that orders can be placed to cross connect network elements to their collocated equipment

H.7 2 **Collocation Cable Records - VG/DS0 Cable, per cable record**

Nonrecurring cost associated with various work groups obtaining and verifying cable and pair frame termination range, building cable inventory in COSMOS [computer system for main frame operations] and LFACS [loop/local facility assignment control system], labeling the range, and restricting its use to the ALEC requesting the termination. This is done for voice grade (2-wire, 4-wire and DS0) cable pairs. There can be a maximum of 3600 cable pairs for each voice grade cable per cable record.

H.7.3 **Collocation Cable Records - VG/DS0 Cable, per each 100 pair**
Nonrecurring cost to input the frame locations and remarks for each 100 pairs into COSMOS.

Element Definition/Description

Cost Element

H.7.4 **Collocation Cable Records - DS1, per T1TIE**

Nonrecurring cost to input ALEC DS1 cable frame termination information into the TIRKS [Trunk Integrated Records Keeping System].

H 7.5 **Collocation Cable Records - DS3, per T3TIE**
Nonrecurring cost to input ALEC DS3 cable frame termination information into the TIRKS.

H.7.6 Collocation Cable Records - Fiber Cable, per cable record
Nonrecurring cost to create a header for the fiber cable and to input ALEC Fiber cable frame termination information into the TIRKS. There can be a maximum of 99 fibers shown for each fiber cable record.

H.8 **Virtual Collocation In the Remote Terminal (RT)**
H.8.1 **Virtual Collocation In the Remote Terminal (RT) - Application Fee**

Nonrecurring costs associated with an ALEC submitting an application or service inquiry requesting a specific RT collocation arrangement. Cost is based on various work groups activities, such as. reviewing application for accuracy, discussing application with applicant, processing application, review of application by different departments, and compilation of responses.

H.8.2 **Virtual Collocation In the Remote Terminal (RT) - Per Bay/Rack Of Space**
Recurring cost associated with infrastructure investments in RTs required to make space available for an ALEC. This cost includes all normal RT network infrastructure requirements (e.g., power, environmental, and space).

H.8.3 **Virtual Collocation In the Remote Terminal (RT) - Space availability Report Per Premises Requested**
Nonrecurring costs associated with the work groups required to prepare the space availability report. The report must specify the amount of collocation space available at each requested premises, the number of collocators, and any modifications in the use of the space since the last report, et al. This element does not have a recurring cost and is optional.

H.8.4 **Virtual Collocation in the RT- Remote Site CLLI Code Request, per CLLI Code Requested**
Nonrecurring cost associated with the work groups required to locate a requested CLLI code for an RT. This element does not have a recurring cost.

H.9 **COLLOCATION - BRSDD**
H.9.1 **BellSouth Remote Site DLEC Data (BRSDD), per Compact Disc per Central Office**

Nonrecurring labor cost associated with the work groups required to extract, prepare and ship data to ALEC. The data includes the number and address of customers that are served by a particular remote site. This element does not have a recurring cost.