

REDACTED

ATTACHMENT B

**BellSouth Telecommunications, Inc.
FPSC Docket No. 981834-TP/990321-TP
Request for Confidential Classification
Page 1 of 1
04/23/03**

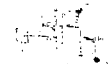
**REQUEST FOR CONFIDENTIAL CLASSIFICATION OF BELLSOUTH'S
RESPONSE TO STAFF'S 3rd REQUEST FOR PRODUCTION OF DOCUMENTS,
REQUEST NOS. 15, 17 AND 21 FILED APRIL 2, 2003, IN FLORIDA DOCKET
NOS. 981834-TP AND 990321-TP**

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DOCUMENT NUMBER-DATE

03748 APR 23 8

FPSC-COMMISSION CLERK



BellSouth Telecommunications, Inc.
FPSC Docket Nos. 981834-TP & 990321-TP
Staff's Third Request For Production
March 13, 2003
Item No. 15

A	B	C	D	E	F	G	H	I	J	K	L	
1	Florida											
2	#REF!											
3	Study Period: 2003-2005											
4	#REF!											
5												
6												
7	Element	Item / Description Source / Activity	JFC/JG/WS	Description	Cost Element Life (mos)	(For use w/ one NR) Install Disconnect		First Install Disconnect		Additional Install Disconnect		Nonrecurring Additive
8												
9	H.1	PHYSICAL COLLOCATION										
10												
11	H.1.1	Application Cost - Initial			60							
12		Account Team Collocation Coordinator (ATCC)	JG58	Service Inquiry		6.5000	0.0000					
13		Initiation of Application										
14		Initial receipt & review of application in order to validate integrity of data & discussion with applicant.										
15		Explanation of application contents & its impact to the overall project with applicant.										
16		Includes any clarification of application information necessary for the Interdepartmental Coordinators.										
17		Review collocation agreement										
18		Review of applicant's specific terms, conditions & rates for physical collocation.										
19		Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.										
20		Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e.: unique time frames).										
21		Process application										
22		Request service order issuance for establishing a Billing Account Number (BAN).										
23		Gather response data from INAC										
24		Respond to questions from the Interdepartmental Coordinators & review the responses for clarification. (i.e. ATCC verifies response provided by interdepartmental Team matches terms of ALEC's agreement)										
25		Preparation & distribution of response										
26		Update response information from the Interdepartmental Coordinators & prepare a response for the customer.										
27		Review of terms, conditions & rates & translation of Interdepartmental response data into written contract commitments.										
28		Prepare written response & cover letter.										
29		Determine expiration date to place Bona Fide Firm Order.										
30		Assemble response package.										
31		Process application fee										
32		Request service order issuance to bill the application fee										
33		Customer Point of Contact	230X	Service Inquiry		0.5000	0.0300					
34		Receive & review Fee Processing Request form.										
35		Verify customer credit information.										
36		Manually enter Access Service Request (ASR) with customer information.										
37		Query mechanized system for Billing Account Number assignment.										
38		Generate Service Order Work Aid (SOWA) & enter appropriate application information.										
39		Issue service order to establish billing account in order to process the Application Fee.										
40		Follow up to ensure completion of service order.										
41		Interexchange Network Access Coord (INAC)	34XX	Service Inquiry		3.0000	0.0000					
42		Receive & evaluate inquiry.										
43		Contact Area Provisioning team, if required.										
44		Initiate & facilitate follow-up planning meetings with Area work groups & customer, if required.										
45		Work with Area team to develop the plan, establish tentative schedules & identify major construction items that will affect critical dates.										
46		Serve as technical consultant to Area Provisioning team, Account team coordinator & customer for identification & resolution of issues.										
47		Interface with Regulatory & Collocation Project team for policy development & issue resolution.										
48		Receive inquiry response data from Area team.										
49		Analyze data & determine project schedule.										
50		Resolve Network issues.										
51		Review response data & notify Account team coordinator that inquiry is complete.										
52		Power Capacity Management (PCM)	34XX	Service Inquiry		1.0000	0.0000					
53		Review request & determine work needed to ensure sufficient power capacity exists based on application.										
54		Circuit Capacity Management (CCM)	34XX	Service Inquiry		8.0000	0.0000					
55		Receive & review Service Inquiry.										
56												
57												

A	B	C	D	E	F	G	H	I	J	K	L
58	Interface with INAC & Account team to discuss & respond to application.										
59	Interface with CSCM & other network groups to discuss & respond to application.										
60	Outside Plant Engineering (OSPE)	32XX	Service Inquiry		4.5000	0.0000					
61	Determine availability of duct space, research options for point of interconnect & submit inquiry response.										
62	Corporate Real Estate & Support (CRES)										
63	Program Manager	JG58	Service Inquiry		0.2500	0.0000					
64	Act as single point of contact for questions, dates & information from ATCC & Parsons Engr for building related work requirements										
65	Approve Work Request										
66	Facility Planner	JG58	Service Inquiry		0.2500	0.0000					
67	Review drawings of facility requested to determine current condition.										
68	Application Tracking Manager	JG58	Service Inquiry		0.5000	0.0000					
69	Receive inquiry & enter tracking data to system.										
70	Monitor timely response to INAC.										
71	Interact with other CRES team members on responses.										
72	Project Administrator	JG55	Service Inquiry		0.2500	0.0000					
73	Enter Work Request, which is required to authorize our consultants to determine estimates.										
74	Establish Authority number & route for approval.										
75	Common Systems Capacity Management (CSCM)	34XX	Service Inquiry		8.0000	0.0000					
76	Review application for space, power & cabling requirements.										
77	Perform site visit to verify space availability & inspect space conditions.										
78	Coordinate space selection & preparation requirements with Property & Services Management.										
79	Coordinate cable & power requirements with Circuit & Power Capacity Management.										
80	Complete application response data related to above items.										
81	Parsons Engineering										\$1,013.000
82	Perform CO survey & cost estimate for CLEC response.										
83	H.1.46 Application Cost - Subsequent			3							
84	Account Team Collocation Coordinator (ATCC)	JG58	Service Inquiry		7.5000	0.0000					
85	Initiation of Application										
86	Initial receipt & review of application in order to validate integrity of data & discussion with applicant.										
87	Explanation of application contents & its impact to the overall project with applicant.										
88	Includes any clarification of application information necessary for the Interdepartmental Coordinators.										
89	Review CLEC's collocation agreement										
90	Review of applicant's specific terms, conditions & rates for physical collocation.										
91	Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.										
92	Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e.: unique time frames).										
93	Review previous application										
94	Identification of impacting terms & conditions to Interdepartmental Coordinators										
95	Process application										
96	Request service order issuance for billing the subsequent application fee										
97	Gather response data from INAC										
98	Respond to questions from the Interdepartmental Coordinators & review the responses for clarification. (I.e. ATCC verifies response provided by interdepartmental Team matches terms of ALEC's agreement)										
99	Preparation & distribution of response										
100	Update response information from the Interdepartmental Coordinators & prepare a response for the customer.										
101	Review of terms, conditions & rates & translation of Interdepartmental response data into written contract commitments.										
102											
103	Prepare written response & cover letter.										
104	Determine expiration date to place Bona Fide Firm Order.										
105	Assemble response package.										
106	Process application fee										
107	Request service order issuance to bill the application fee										
108	Customer Point of Contact	230X	Service Inquiry		0.5000	0.0300					
109	Receive & review Fee Processing Request form.										
110	Verify customer credit information.										
111	Manually enter Access Service Request (ASR) with customer information.										
112	Query mechanized system for Billing Account Number assignment.										
113	Generate Service Order Work Aid (SOWA) & enter appropriate application information.										
114	Issue service order to establish billing account for processing the Application Fee.										
115	Follow up to ensure completion of service order.										
116	Interexchange Network Access Coord (INAC)	34XX	Service Inquiry		2.0000	0.0000					
117	Receive & evaluate inquiry.										

A	B	C	D	E	F	G	H	I	J	K	L
118	Contact Area Provisioning team, if required.										
119	Initiate & facilitate follow-up planning meetings with Area work groups & customer, if required.										
120	Work with Area team to develop the plan, establish tentative schedules & identify major construction items										
121	that will affect critical dates.										
122	Serve as technical consultant to Area Provisioning team, Account team coordinator & customer for										
123	identification & resolution of issues.										
124	Interface with Regulatory & Collocation Project team for policy development & issue resolution.										
125	Receive inquiry response data from Area team.										
126	Analyze data & determine project schedule.										
127	Resolve Network issues.										
128	Review response data & notify Account team coordinator that inquiry is complete.										
129	Power Capacity Management (PCM)	34XX	Service Inquiry		1.0000	0.0000					
130	Review request & determine work needed to ensure sufficient power capacity exists based on application.										
131	Circuit Capacity Management (CCM)	34XX	Service Inquiry		5.0000	0.0000					
132	Receive & review Service Inquiry.										
133	Interface with INAC & Account team to discuss & respond to application.										
134	Interface with CSCM & other network groups to discuss & respond to application.										
135	Outside Plant Engineering (OSPE)	32XX	Service Inquiry		0.5000	0.0000					
136	Determine availability of duct space, research options for point of interconnect & submit inquiry response.										
137	Corporate Real Estate & Support (CRES)										
138	Program Manager	JG58	Service Inquiry		0.1250	0.0000					
139	Act as single point of contact for questions, dates & information from ATCC & Parsons										
140	Engineering for building related work requirements.										
141	Approve Work Request.										
142	Facility Planner	JG58	Service Inquiry		0.1250	0.0000					
143	Review drawings of facility requested to determine current condition.										
144	Application Tracking Manager	JG58	Service Inquiry		0.2500	0.0000					
145	Receive inquiry & enter tracking data to system.										
146	Monitor timely response to INAC.										
147	Interact with other CRES team members on responses.										
148	Project Administrator	JG55	Service Inquiry		0.1250	0.0000					
149	Enter Work Request, which is required to authorize our consultants to determine estimates.										
150	Establish Authority number & route for approval.										
151	Common Systems Capacity Mgmt. (CSCM)	34XX	Service Inquiry		5.0000	0.0000					
152	Review application for space, power & cabling requirements										
153	Perform site visit to verify space availability & inspect space conditions										
154	Coordinate space selection & preparation requirements with Property & Services Management										
155	Coordinate cable & power requirements with Circuit & Power Capacity Management										
156	Complete application response data related to above items										
157	Parsons Engineering										\$ 1,013.00
158	Perform CO survey & cost estimate for CLEC response										
159	H.1.5 Fiber Entrance Cable Installation, per Cable				60						
160	Common Systems Capacity Management	34XX	Engineering		4.0000	0.0000					
161	Coordinate with OSP Construction to plan riser cable installation										
162	Outside Plant Engineering	32XX	Engineering		7.5000	0.4000					
163	Meet with collocator to determine point of interconnect										
164	Prepare work prints										
165	Create cable/pair for assignment										
166	Prepare inventory for collocator cable										
167	Draft work order for OSP construction										
168	Schedule work order for OSP construction										
169	Coordinate with Master Contractor for manhole entry										
170	Outside Plant Construction	420X	Connect & Test		16.0000	0.4000					
171	Work area protection, place & remove										
172	Place pull wire										
173	Pull cable into building										
174	Splice cable										
175	Test										
176	Place & rack cable in C.O.										
177	Travel										
178	Manhole Contract Labor										
179	Indian River										

A	B	C	D	E	F	G	H	I	J	K	L
180	Jacksonville										
181	North Central										
182	Orlando / Sanford										
183	Pensacola / Panama City										
184	Broward										
185	Florida Keys										
186	North Dade										
187	Palm Beach										
188	South Dade										
189	Number of Sites										10
190	H.1.9 Physical Collocation - 2-Wire Cross Connects			43							
191	Circuit Provisioning Group (CPG)	4N4X	Engineering				0.0180	0.0051	0.0130	0.0001	
192	Work Management Center (WMC)	4WXX	Connect & Test				0.0250	0.0250	0.0000	0.0000	
193	Customer Wholesale Interconnection Network Services (C-WINS) (Formerly UNEC)	4AXX	Connect & Test				0.1136	0.0423	0.1136	0.0423	
194	CO Install & Mtce Field (SL1)	431X	Connect & Test				0.0375	0.0300	0.0200	0.0200	
195	CO Install & Mtce Field (SL2)	431X	Connect & Test				0.0500	0.0375	0.0250	0.0175	
196	Percent SL1 (nondesign)						0.545				
197	Percent SL2 (design)						0.455				
198	H.1.10 Physical Collocation - 4-Wire Cross Connects			49							
199	Circuit Provisioning Group (CPG)	4N4X	Engineering				0.0180	0.0051	0.0130	0.0001	
200	Work Management Center (WMC)	4WXX	Connect & Test				0.0250	0.0250	0.0000	0.0000	
201	Customer Wholesale Interconnection Network Services (C-WINS) (Formerly UNEC)	4AXX	Connect & Test				0.1136	0.0423	0.1136	0.0423	
202	CO Install & Mtce Field	431X	Connect & Test				0.0500	0.0375	0.0250	0.0175	
203	H.1.11 Physical Collocation - DS1 Cross Connects			49							
204	Circuit Provisioning Group (CPG)	4N4X	Engineering				0.0625	0.0058	0.0492	0.0025	
205	Work Management Center (WMC)	4WXX	Connect & Test				0.0250	0.0000	0.0050	0.0000	
206	Customer Wholesale Interconnection Network Services (C-WINS) (Formerly UNEC)	4AXX	Connect & Test				0.0713	0.0000	0.0650	0.0000	
207	CO Install & Mtce Field	431X	Connect & Test				0.0458	0.0208	0.0417	0.0167	
208	H.1.12 Physical Collocation - DS3 Cross Connects			49							
209	Circuit Provisioning Group (CPG)	4N4X	Engineering				0.1776	0.0304	0.1664	0.0263	
210	Work Management Center (WMC)	4WXX	Connect & Test				0.0250	0.0000	0.0050	0.0000	
211	Customer Wholesale Interconnection Network Services (C-WINS) (Formerly UNEC)	4AXX	Connect & Test				0.1960	0.0180	0.1960	0.0180	
212	CO Install & Mtce Field	431X	Connect & Test				0.3730	0.1597	0.3730	0.1597	
213	CO Install & Mtce Field	430X	Connect & Test				0.0133	0.0117	0.0083	0.0117	
214	H.1.17 Security Escort - Basic, per Half Hour			0							
215	Customer Point of Contact	230XB	Security Escort				0.0800		0.0000		
216	Contacted to bill for security escort										
217	CO Install & Mtce Field	431XB	Security Escort				0.5000		0.5000		
218	Provides escort on a per 30 minute basis										
219	Access Customer Advocate Center	4AXXB	Security Escort				0.2600		0.0000		
220	Contacted by customer to schedule security escort										
221	H.1.18 Security Escort - Overtime, per Half Hour			0							
222	Customer Point of Contact	230XO	Security Escort				0.0800		0.0000		
223	Contacted to bill for security escort										
224	CO Install & Mtce Field	431XO	Security Escort				0.5000		0.5000		
225	Provides escort on a per 30 minute basis										
226	Access Customer Advocate Center	4AXXO	Security Escort				0.2600		0.0000		
227	Contacted by customer to schedule security escort										
228	H.1.19 Security Escort - Premium, per Half Hour			0							
229	Customer Point of Contact	230XP	Security Escort				0.0800		0.0000		
230	Contacted to bill for security escort										
231	PRIVATE / PROPRIETARY: No Disclosure Outside BellSouth Except by Written Agreement										
232	CO Install & Mtce Field	431XP	Security Escort				0.5000		0.5000		
233	Provides escort on a per 30 minute basis										
234	Access Customer Advocate Center	4AXXP	Security Escort				0.2600		0.0000		
235	Contacted by customer to schedule security escort										
236	H.1.31 Physical Collocation - 2-Fiber Cross Connect			49							
237	Circuit Provisioning Group (CPG)	4N4X	Engineering				0.0334	0.0334	0.0167	0.0167	
238	Work Management Center (WMC)	4WXX	Connect & Test				0.0500	0.0500	0.0000	0.0000	
239	Customer Wholesale Interconnection Network Services (C-WINS) (Formerly UNEC)	4AXX	Connect & Test				0.1630	0.0351	0.1630	0.0351	
240	CO Install & Mtce Field	431X	Connect & Test				0.4167	0.1667	0.4167	0.1667	
241	H.1.32 Physical Collocation - 4-Fiber Cross Connect			49							

A	B	C	D	E	F	G	H	I	J	K	L
242	Circuit Provisioning Group (CPG)	4N4X	Engineering				0.0334	0.0334	0.0167	0.0167	
243	Work Management Center (WMC)	4WXX	Connect & Test				0.0500	0.0500	0.0000	0.0000	
244	Customer Wholesale Interconnection Network Services (C-WINS) (Formerly UNEC)	4AXX	Connect & Test				0.1630	0.0351	0.1630	0.0351	
245	CO Install & Mtce Field	431X	Connect & Test				0.6250	0.2500	0.6250	0.2500	
246	H.1.38 Security Access System - New Access Card Activation per Card			0							
247	Activation Time per Request (hrs)	JG58	Service Order		1.0000	0.0000					
248	Receive, open & date stamp Access Request										
249	Review Access Request & clarify errors/questions if applicable										
250	Verify contractual agreement status & determine if billing is required										
251	Issue service order request if billing required										
252	Copy Access Request & file										
253	Enter information into database										
254	Mail original to Access Management										
255	Number of Access Cards Issued per Request		ATCC								5
256	Material Cost per New Security Access Card		P&SM								
257	Postage Cost per New Security Access Card		P&SM								
258	Contract Labor Cost per Hour		P&SM								
259											
260	Property & Services Management New Card										0.50
261	Receive & validate fax/mail request										
262	Verify all information correct										
263	Look up individual in system to see if they have a card										
264	Verify access level										
265	Build access level if it does not exist										
266	Scan new card to obtain internal access number										
267	Input card in system in the inactive mode										
268	Mail card in individual envelope										
269	Place requests in pending file until acknowledgment received										
270	Two week follow-up on acknowledgment										
271	Forward to Security two weeks later if acknowledgment not received										
272	Property & Services Management Activate Card										0.25
273	Receive acknowledgment										
274	Update card & initialize system										
275	Complete paper work										
276	Contract Labor (hrs) - Problem Resolution										0.43
277	Problem Resolution Percent Occurrence										25%
278	Property & Services Management Deactivate Card										0.25
279	Receive request with reason for deactivation										
280	Validate request										
281	Verify all information correct										
282	Deactivate old card										
283	Complete paper work										
284	H.1.39 Security Access System - Administrative Change, existing Access Card, per Card										
285	Property & Services Management Administrative Change										0.33
286	Receive & validate fax/mail request										
287	Verify all information correct										
288	Look up individual in system to see if they have a card										
289	Verify access level										
290											
291	Build access level if it does not exist										
292	Update card & initialize system										
293	Complete paper work										
294	Contract Labor (hrs) - Problem Resolution										0.43
295	Problem Resolution Percent Occurrence										25%
296	H.1.40 Security Access System - Replace Lost or Stolen Card, per Card										
297	Property & Services Management Deactivate Lost/Stolen Card										0.25
298	Receive request										
299	Verify all information correct										
300	Deactivate old card										
301	Complete paper work										
302	Property & Services Management Replace Lost/Stolen Card										0.50
303	Receive request										

PRIVATE / PROPRIETARY: No Disclosure Outside BellSouth Except by Written Agreement

A	B	C	D	E	F	G	H	I	J	K	L
304	Verification of lost letter for security										
305	Deactivate old card										
306	Verify access level										
307	Build access level if it does not exist										
308	Scan new card to obtain internal access number										
309	Input card in system in the inactive mode										
310	Mail card in individual envelope										
311	Place requests in pending file until acknowledgment received										
312	Two week follow-up on acknowledgment										
313	Forward to Security two weeks later if acknowledgment not received										
314	Property & Services Management Activate Replacement Card										0.25
315	Receive request										
316	Update card & initialize system										
317	Complete paper work										
318	Contract Labor (hrs) - Problem Resolution										0.43
319	Problem Resolution Percent Occurrence										25%
320	H.1.45 Space Prep - Firm Order Processing				60						
321	Interexchange Network Access Coordinator (INAC)	34XX	Firm Order Processing		5.0000	0.0000					
322	Receive firm order										
323	Schedule & chair coordination meeting/conference call with collocator & Area Provisioning Team										
324	Establish project critical dates										
325	Monitor project progress, verify critical dates are met, coordinate schedule changes when required										
326	Serve as technical consultant to Area Provisioning Team, Account Team coordinator & customer										
327	for identification & resolution of issues										
328	Receive project closeout documents & forward documents to ATCC										
329	Receive firm order response data from Area Team										
330	Review response data & notify Account Team Coordinator that inquiry complete										
331	Customer Point of Contact	230X	Firm Order Processing		0.5000	0.0000					
332	Receive & review Fee										
333	Process Request form										
334	Verify customer credit information										
335	Manually enter Access Service Request (ASR) with customer information										
336	Query mechanized system for Billing Account Number assignment										
337	Generate Service Order Work Aid (SOWA) & enter appropriate application information										
338	Issue Service Order to establish billing account for processing Application Fee										
339	Follow up to ensure completion of Service Order										
340	H.1.47 Space Availability Report per C.O.										
341	Account Team Collocation Coordinator (ATCC)	JG58	Order Processing	0	0.5000	0.0000					
342	Works with customer to determine collocation needs & requirements										
343	Assists customer with technical specifications & equipment configurations										
344	Distributes document requests to & coordinates responses from all Interdepartmental representatives.										
345	Customer point of contact.										
346	Common Systems Capacity Mgmt. (CSCM)	34XX	Engineering		10.0000	0.0000					
347	Obtain & review the current floor plans for the building.										
348	Site review of buildings with frequent construction/removal activity to verify accuracy of equipment floor plans.										
349	Update floor plan as required to reflect current & pending BellSouth & collocation equipment,										
350	& equipment removals.										
351	Determine net remaining space available for collocation to be reflected on report.										
352	Provide information to customer Account Team.										
353	Corporate Real Estate & Support (CRES)	JG58	Engineering		0.2500	0.0000					
354	Assesses & documents current space assignments in the C.O. & documents all vacant space,										
355	this information is documented on a CAD drawing & maintained in the system.										
356	Parsons Engineering										
357	Field verification (3 hours)										\$225.00
358	Percent Occurrence										2.5%
359	H.1 Physical Collocation:										
360	Material Cost per New Key										
361	Postage Cost per New Key										
362	Contract Labor Cost per Hour										
363											
364	H.1.54 Security Access:										
365	Initial Key, per Key				0						

A	B	C	D	E	F	G	H	I	J	K	L
366	New Key - Issue (hrs)		Vendor / Contract Activity (P&SM)								0.2500
367	• Receive & validate fax/mail request.										
368	• Verify all information is correct.										
369	• Lookup individual in system to see if										
370	they have a key.										
371	• Verify key cuts are available.										
372	• Generate key serial number.										
373	• Send key request to BEST.										
374	New Key - Acknowledgement (hrs)		Vendor / Contract Activity (P&SM)								0.2500
375	• Place requests in pending file until										
376	acknowledgment received.										
377	• Two week follow up on acknowledgment.										
378	Returned Keys - Received/Acknowledgement (hrs)		Vendor / Contract Activity (P&SM)								0.2500
379	• Forward to Security two weeks later if										
380	acknowledgment not received.										
381	Key - Problem Resolution (hrs)		Vendor / Contract Activity (P&SM)								0.2500
382	• Troubleshooting host or individual key problems.										
383	Problem Resolution (% Occurrence)		Vendor / Contract Activity (P&SM)								20%
384	H.1.55 Security Access:										
385	Replace Lost or Stolen Key, per Key			0							
386	Replacement Key - Issue (hrs)		Vendor / Contract Activity (P&SM)								0.5000
387	• Receive & validate fax/mail request.										
388	• Verification of lost letter for Security.										
389	• Verify key cuts are available										
390	• Generate key serial number										
391	• Send key request to BEST										
392	• Forward to Security two weeks later if										
393	acknowledgment not received										
394	Replacement Key - Acknowledgement (hrs)		Vendor / Contract Activity (P&SM)								0.2500
395	• Place requests in pending file until										
396	acknowledgment received										
397	• Two week follow up on acknowledgement										
398	Key - Problem Resolution (hrs)		Vendor / Contract Activity (P&SM)								0.2500
399	• Troubleshooting host or individual key problems										
400	Problem Resolution (% Occurrence)		Vendor / Contract Activity (P&SM)								20%
401	H.1.57 Copper Entrance Cable Installation, per Cable			60							
402	Common Systems Capacity Management (CSCM)	34XX	Engineering		4.0000	0.0000					
403	Coordinate with OSP Construction to plan riser cable installation										
404	Outside Plant Engineering (OSPE)	32XX	Engineering		7.5000	0.4000					
405	Meet with collocator to determine point of interconnect										
406	Prepare work prints										
407	Create cable/pair for assignment										
408	PRIVATE / PROPRIETARY: No Disclosure Outside BellSouth Except by Written Agreement										
409	Prepare inventory for collocator cable										
410	Draft work order for OSP construction										
411	Schedule work order for OSP construction										
412	Coordinate with Master Contractor for manhole entry										
413	Outside Plant Construction (OSPCM)	420X	Connect & Test		16.8333	0.4000					
414	Work area protection, place & remove										
415	Place pull wire										
416	Pull cable into building										
417	Place & rack cable in C.O.										
418	Travel										
419	Manhole Contract Labor										
420	Indian River										
421	Jacksonville										
422	North Central										
423	Orlando / Sanford										
424	Pensacola / Panama City										
425	Broward										
426	Florida Keys										
427	North Dade										

A	B	C	D	E	F	G	H	I	J	K	L
428	Palm Beach										
429	South Dade										
430	Number of Sites										10
431	H.1.58 Copper Entrance Cable Installation, per Each 100 Pairs				60						
432	Outside Plant Construction (OSPCM)	420X	Connect & Test		0.4167	0.0000					
433	Splice cable - actually splicing wires										
434	Additional time based on cable size										
435	Test										
436	H.1.59 Subsequent Application for Co-Carrier Cross Connect per Occurrence				50						
437	Account Team Coordinator Collocation (ATCC)	JG58	Interconnection		5.0000	0.0000					
438	Initiation of application										
439	Initial receipt & review of application in order to validate integrity of data & discussion with applicant.										
440	Explanation of application contents & its impact to the overall project with applicant.										
441	Includes any clarification of application information necessary for the Interdepartmental Coordinators.										
442	Review collocation agreement										
443	Review of applicant's specific terms, conditions & rates for physical collocation.										
444	Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.										
445	Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e. unique time frames).										
446	Gather response data from INAC										
447	Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.										
448	(i.e. ATCC verifies response provided by Interdepartmental Team matches terms of ALEC's agreement).										
449	Preparation & distribution of response										
450	Update response information from the Interdepartmental Coordinators & prepare a response for the customer.										
451	Review of terms, conditions, rates & translation of Interdepartmental response into written contract commitments.										
452	Prepare written response & cover letter.										
453	Determine expiration date to place Bona Fide Firm Order.										
454	Assemble response package.										
455	Process application fee										
456	Request service order issuance to bill the application fee										
457	Customer Point of Contact	230X	Network		0.5000	0.0000					
458	Receive & review Fee Processing Request form.										
459	Verify customer credit information.										
460	Manually enter Access Service Request (ASR) with customer information.										
461	Query mechanized system for Billing Account Number assignment.										
462	Generate Service Order Work Aid (SOWA) & enter appropriate application information.										
463	Issue service order to establish billing account for processing the Application Fee.										
464	Follow up to ensure completion of service order.										
465	Common Systems Capacity Management (CSCM)	34XX	Engineering		3.0000	0.0000					
466	Review application for cable support structure requirements										
467	PRIVATE / PROPRIETARY: No Disclosure Outside BellSouth Except by Written Agreement										
468	Perform site visit to evaluate cable support structures between collocators										
469	Prepare construction order/determine structure type & route										
470	Measure distance & submit for billing purposes										
471	Complete application										
472	Interexchange Network Access Coordinator (INAC)	34XX	Engineering		2.0000	0.0000					
473	Receive & evaluate inquiry.										
474	Contact Area Provisioning team, if required.										
475	Initiate & facilitate follow-up planning meetings with Area work groups & customer, if required.										
476	Work with Area team to develop the plan, establish tentative schedules & identify major construction items that will affect critical dates.										
477	Serve as technical consultant to Area Provisioning team, Account team coordinator & customer for identification & resolution of issues.										
478	Interface with Regulatory & Collocation Project team for policy development & issue resolution.										
479	Receive inquiry response data from Area team.										
480	Analyze data & determine project schedule. Resolve network issues.										
481	Review response data & notify Account team coordinator that inquiry is complete.										
482	Central Office Work Group (COWG)	431X	Network		0.5000	0.0000					
483	Review request for compliance with Method of Procedure										
484	H.1.60 Subsequent Application:				50						
485	For Power Reduction Only										
486	Account Team Coordinator Collocation (ATCC)	JG58	Interconnection		2.5000	0.0000					
487	Power Capacity Management (PCM)	34XX	Engineering		1.0000	0.0000					
488	Customer Point of Contact	230X	Network		0.5000	0.0000					
489	Common Systems Capacity Management (CSCM)	34XX	Engineering		1.0000	0.0000					

A	B	C	D	E	F	G	H	I	J	K	L
490	Interexchange Network Access Coordinator (INAC)	34XX	Engineering		2.0000	0.0000					
491	Corporate Real Estate & Services (CRES)	JG58	Engineering		0.5000	0.0000					
492	Corporate Real Estate & Services (CRES)	JG55	Engineering		0.2500	0.0000					
493	Central Office Work Group (COWG)	431X	Network		0.5000	0.0000					
494	Per Cent Occurrence			80%							
495	To Reduce Fuse Positions Only			50							
496	Account Team Coordinator Collocation (ATCC)	JG58	Interconnection		2.5000	0.0000					
497	Power Capacity Management (PCM)	34XX	Engineering		0.2500	0.0000					
498	Customer Point of Contact	230X	Network		0.5000	0.0000					
499	Common Systems Capacity Management (CSCM)	34XX	Engineering		1.0000	0.0000					
500	Interexchange Network Access Coordinator (INAC)	34XX	Engineering		2.0000	0.0000					
501	Corporate Real Estate & Services (CRES)	JG58	Engineering		0.5000	0.0000					
502	Corporate Real Estate & Services (CRES)	JG55	Engineering		0.2500	0.0000					
503	Central Office Work Group (COWG)	431X	Network		0.5000	0.0000					
504	Per Cent Occurrence			20%							
505	H.1.61 Application Cost - Administration Only			60							
506	Account Team Collocation Coordinator (ATCC)	JG58	Service Inquiry		6.5000	0.0000					
507	Initiation of Application										
508	Initial receipt & review of application in order to validate integrity of data & discussion with applicant.										
509	Explanation of application contents & its impact to the overall project with applicant.										
510	Includes any clarification of application information necessary for the Interdepartmental Coordinators.										
511	Review CLEC's collocation agreement										
512	Review of applicant's specific terms, conditions & rates for physical collocation.										
513	Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.										
514	Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e.: unique time frames).										
515	Process application										
516	Distribute the application by changing the status to "Application Bona Fide"										
517	Request service order issuance for billing the application fee										
518	Gather response data from INAC										
519	Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.										
520	(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of CLEC's agreement).										
521	Preparation & distribution of response										
522	Update response information from the Interdepartmental Coordinators & prepare a response for the customer.										
523	Review of terms, conditions & rates & translation of Interdepartmental response data into written contract commitments										
524	Prepare written response & cover letter.										
525	Determine expiration date to place Bona Fide Firm Order.										
526	Assemble response package.										
527	Customer Point of Contact	230X	Service Inquiry		0.5000	0.0300					
528	Receive & review Fee Processing Request form.										
529	Verify customer credit information.										
530	Manually enter Access Service Request (ASR) with customer information.										
531	Query mechanized system for Billing Account Number assignment.										
532	Generate Service Order Work Aid (SOWA) & enter appropriate application information.										
533	Issue service order to establish billing account for processing the Application Fee.										
534	Follow up to ensure completion of service order.										
535	Interexchange Network Access Coord (INAC)	34XX	Service Inquiry		2.0000	0.0000					
536	Receive & evaluate inquiry.										
537	Contact Area Provisioning team, if required.										
538	Initiate & facilitate follow-up planning meetings with Area work groups & customer, if required.										
539	Work with Area team to develop the plan, establish tentative schedules & identify major construction items										
540	that will affect critical dates.										
541	Serve as technical consultant to Area Provisioning team, Account team coordinator & customer for										
542	identification & resolution of issues.										
543	Interface with Regulatory & Collocation Project team for policy development & issue resolution.										
544	Receive inquiry response data from Area team.										
545	Analyze data & determine project schedule.										
546	Resolve Network issues.										
547	Review response data & notify Account team coordinator that inquiry is complete.										
548	Circuit Capacity Management (CCM)	34XX	Service Inquiry		5.0000	0.0000					
549	Receive & review Service Inquiry.										
550	Interface with INAC & Account team to discuss & respond to application.										
551	Interface with CSCM & other network groups to discuss & respond to application.										

	A	B	C	D	E	F	G	H	I	J	K	L
552		Corporate Real Estate & Support (CRES)										
553		Program Manager	JG58	Service Inquiry		0.0000	0.0000					
554		Act as single point of contact for questions, dates & information from ATCC & Parsons										
555		Engineering for building related work requirements.										
556		Approve Work Request.										
557		Facility Planner	JG58	Service Inquiry		0.0000	0.0000					
558		Review drawings of facility requested to determine current condition.										
559		Application Tracking Manager	JG58	Service Inquiry		0.2500	0.0000					
560		Receive inquiry & enter tracking data to system.										
561		Monitor timely response to INAC.										
562		Interact with other CRES team members on responses.										
563		Project Administrator	JG55	Service Inquiry		0.2500	0.0000					
564		Enter Work Request, which is required to authorize our consultants to determine estimates.										
565		Establish Authority number & route for approval.										
566		Common Systems Capacity Mgmt. (CSCM)	34XX	Service Inquiry		0.2500	0.0000					
567		Review application for space, power & cabling requirements										
568		Perform site visit to verify space availability & inspect space conditions										
569		Coordinate space selection & preparation requirements with Property & Services Management										
570		Coordinate cable & power requirements with Circuit & Power Capacity Management										
571		Complete application response data related to above items										
572	H.1.62	Request Resend of CFA Information, per CLI			0							
573		Account Team Collocation Coordinator (ATCC)	JG58	Information Request		0.5000	0.0000					
574		Circuit Capacity Management (CCM)	34XX	Information Request		1.0000	0.0000					
575	H.1.63	Physical Collocation - Copper Entrance Cable Installation, per Cable (From CO manhole to vault splice)			60							
576		Common Systems Capacity Management (CSCM)	34XX	Engineering		4.0000	0.0000					
577		Coordinate with OSP Construction to plan riser cable installation										
578		Outside Plant Engineering (OSPE)	32XX	Engineering		7.5000	0.4000					
579		Meet with collocator to determine point of interconnect										
580		Prepare work prints										
581		Create cable/pair for assignment										
582		Prepare inventory for collocator cable										
583		Draft work order for OSP construction										
584		Schedule work order for OSP construction										
585		Coordinate with Master Contractor for manhole entry										
586		Outside Plant Construction (OSPCM)	420X	Connect & Test		9.7500	0.4000					
587		Work area protection, place & remove										
588		Place pull wire										
589		Pull cable into building										
590		Place & rack cable in C.O.										
591		Travel										
592		Manhole Contract Labor										
593		Indian River										
594		Jacksonville										
595		North Central										
596		Orlando / Sanford										
597		Pensacola / Panama City										
598		Broward										
599		Florida Keys										
600		North Dade										
601		Palm Beach										
602		South Dade										
603		Number of Sites										10
604	H.1.64	Physical Collocation - Copper Entrance Cable Installation, per Each 100 Pairs			60							
605		Outside Plant Construction (OSPCM)	420X	Connect & Test		0.4167	0.0000					
606		Splice cable - actually splicing wires										
607		Additional time based on cable size										
608		Test										
609	H.1.65	Physical Collocation - Fiber Entrance Cable Installation, per Cable (From CO manhole to vault splice)			60							
610		Common Systems Capacity Management (CSCM)	34XX	Engineering		4.0000	0.0000					
611		Coordinate with OSP Construction to plan riser cable installation										
612		Outside Plant Engineering	32XX	Engineering		7.5000	0.4000					
613		Meet with collocator to determine point of interconnect										

A	B	C	D	E	F	G	H	I	J	K	L
614	Prepare work prints										
615	Create cable/pair for assignment										
616	Prepare inventory for collocator cable										
617	Draft work order for OSP construction										
618	Schedule work order for OSP construction										
619	Coordinate with Master Contractor for manhole entry										
620	Outside Plant Construction	420X	Connect & Test		5.2500	0.4000					
621	Work area protection, place & remove										
622	Place pull wire										
623	Pull cable into building										
624	Splice cable										
625	Test										
626	Place & rack cable in C.O.										
627	Travel										
628	Manhole Contract Labor										
629	Indian River										
630	Jacksonville										
631	North Central										
632	Orlando / Sanford										
633	Pensacola / Panama City										
634	Broward										
635	Florida Keys										
636	North Dade										
637	Palm Beach										
638	South Dade										
639	Number of Sites										10
640	H.1.66 Physical Collocation - Fiber Entrance Cable Installation, per Fiber				60						
641	Outside Plant Construction (OSPCM)	420X	Connect & Test		0.1667	0.0000					
642	Splice cable - join fibers										
643	Test										
644	PRIVATE / PROPRIETARY: No Disclosure Outside BellSouth Except by Written Agreement										

BellSouth Telecommunications, Inc.
FPSC Docket Nos. 981834-TP & 990321-TP
Staff's Third Request For Production
March 13, 2003
Item No. 17 (a) (i)

Witter, Charlotte

From: Vitale, Rhonda
 To: Witter_Charlotte/m7_mail7a@90.11.245.62
 Cc: Vitale, Rhonda
 Subject: DSX PANELS

Here is the information that you requested.

DSX-1 Panels ^A		ADC ^B		^C	
Avaya (formally Lucent)					
1.	56 circuit	/per circuit	56	/per circuit:	or
2.	84 circuit	/per circuit	84	/per circuit:	or
3.	80 circuit	/per circuit	N/A		
4.	90 circuit	/per circuit	N/A		

DSX-3 Panel		ADC		
Avaya (formally Lucent)				
5.	24 circuit	/per circuit	24	/per circuit /
6.	36 circuit	/per circuit	36	/per circuit /

OX (LGX) ^D		E		F		^G	
Lucent		Corning (formally Siecor)					
7.	24 fiber shelf	/fiber	24 fiber shelf	\$	/fiber		
8.	72 fiber shelf	/fiber	72 fiber shelf	\$	/fiber		
9.	12 fiber pre-term shelf	/fiber	12 fiber	\$	/fiber		
10.	24 fiber pre-term shelf	/fiber	24 fiber	\$	/fiber		
11.	36 fiber pre-term shelf	/fiber	36 fiber	\$	/fiber		
12.	72 fiber pre-term shelf	/fiber	72 fiber	\$	/fiber		
13.	144 fiber pre-term shelf	N/A	144 fiber	\$	/fiber		

Let me know if need to supply you anything additional.

PROPRIETARY
 Not for Disclosure Outside BellSouth
 Except by Written Agreement

BellSouth Telecommunications, Inc.
FPSC Docket No. 981834 –TP/990321-TP
Staff's 3rd Request for Production
March 13, 2003
Item No. 17 (b) (i)

From: King, Bonny
Sent: Monday, December 09, 2002 10:49 AM
To: Hopkins, Andrea M
Cc: Thomas, Larry; Coffield, Tom F
Subject: FW: ATCC Work Times

Importance: High

Andrea,

As requested, attached are the revised work ACTIVITIES for the ATCC.

Bonny

-----Original Message-----

From: King, Bonny
Sent: Monday, December 02, 2002 5:19 PM
To: Coffield, Tom F
Subject: ATCC Work Times
Importance: High

Tom,

As requested by Andrea Hopkins (see Larry's e-mail titled 'cost study update') I have reviewed, edited and updated the work activities for the ATCCs for the eleven different types of application included in the Florida filing. I did not change any of the work times associated with the activities.

Please take a look at the attached file and let me know if you want to make any changes.

Thanks,

Bonny



Work times
(12-02).xls

		A		B		C		D		E		F		G	
Collocation Application Work Times (In Hours)															
		ATCC		ATCC (WS 10)		Service Rep		INAC		CRES (PG 58)		CRES (PG 55)		PARSONS	
		Install	Disc	Install	Disc	Install	Disc	Install	Disc	Install	Disc	Install	Disc		
1.	PHYSICAL COLLOCATION														
2.	Initial	6.5	0	0	0	0.5	0.03	3	0	1	0	0.25	0		
3.	Subsequent	7.5	0	0	0	0.5	0.03	2	0	0.5	0	0.125	0		
4.	Firm Order	0	0	0	0	0.5	0	5	0	0	0	0	0		
5.	Subsequent Application for CO CXR Cross Connects	5	0	0	0	0.5	0	2	0	0.5	0	0.25	0		
6.	Power Reduction App Fee	2.5	0	0	0	0.5	0	2	0	0.5	0	0.25	0		
7.	Subsequent Application for Power Reduction Only (80%)	2.5	0	0	0	0.5	0	2	0	0.5	0	0.25	0		
8.	Subsequent Application to Reduce Fuse Positions Only (20%)	2.5	0	0	0	0.5	0	2	0	0.5	0	0.25	0		
9.	Administrative Only Application Fee	6.5	0	0	0	0.5	0.03	2	0	0.25	0	0.25	0		
10.	VIRTUAL COLLOCATION - Initial	6.5	0	0	0	0.5	0.03	3	0	0	0	0	0		
11.	ADJACENT COLLOCATION - Initial	11	0	0	0	0.5	0.03	3	0	0.75	0	0.125	0		
12.	Totally manual														
13.	PHYSICAL COLLOCATION @ Remote Terminal - Initial	7	0	0	0	1	1	0	0	0	0	0	0		
14.	VIRTUAL COLLOCATION @ Remote Terminal - Initial	7	0	0	0	1	1	0	0	0	0	0	0		
15.	Subsequent Appl for Virtual to Physical Conversion	6.5	0	0	0	0.5	0.03	2	0	0.25	0	0	0		
16.	Augments - In North Carolina Only														
17.	Simple	5	0	0	0	0.5	0.03	2	0	0.25	0	0.1833	0		
18.	Minor	5	0	0	0	0.5	0.03	2	0	0.25	0	0	0		
19.	Intermediate	5	0	0	0	0.5	0.03	2	0	0.25	0	0.1833	0		
20.	Major	5	0	0	0	0.5	0.03	2	0	0.25	0	0.25	0		

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Collocation Application Work Times (In Hours)												
	CSCM		CCM		OSPE		OSPE (WS 10)		PCM		COWG	
	Install	Disc	Install	Disc	Install	Disc	Install	Disc	Install	Disc	Install	Disc
PHYSICAL COLLOCATION												
Initial	8	0	8	0	0.5	0	0	0	1	0	0	0
Subsequent	5	0	5	0	0.5	0	0	0	1	0	0	0
Firm Order	0	0	0	0	0	0	0	0	0	0	0	0
Subsequent Application for CO CXR Cross Connects	3	0	0	0	0	0	0	0	0	0	0.5	0
Power Reduction App Fee	1	0	0	0	0	0	0	0	0.85	0	0.5	0
Subsequent Application for Power Reduction Only (80%)	1	0	0	0	0	0	0	0	1	0	0.5	0
Subsequent Application to Reduce Fuse Positions Only (20%)	1	0	0	0	0	0	0	0	0.25	0	0.5	0
Administrative Only Application Fee	0.25	0	5	0	0	0	0	0	0	0	0	0
VIRTUAL COLLOCATION - Initial	5	0	8	0	0.5	0	0	0	0.0833	0	0	0
ADJACENT COLLOCATION - Initial	5	0	8	0	3	0	0	0	1	0	0	0
PHYSICAL COLLOCATION @ Remote Terminal - Initial	0	0	0	0	4.5	3.5	0.25	1	0	0	0	0
VIRTUAL COLLOCATION @ Remote Terminal - Initial	0	0	0	0	4.5	3.5	0.25	1	0	0	0	0
Subsequent Appl for Virtual to Physical Conversion	2	0	5	0	0	0	0	0	0	0	0	0
Augments - In North Carolina Only												
Simple	0.25	0	2	0	0	0	0	0	0.25	0	0	0
Minor	2	0	5	0	0	0	0	0	0	0	0	0
Intermediate	3	0	7	0	0	0	0	0	1	0	0	0
Major	8	0	8	0	0	0	0	0	1	0	0	0

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Physical Collocation - Application Cost - Initial

Account Team Collocation Coordinator (ATCC)

Initiation of Application

Initial receipt & review of application in order to validate integrity of data and discussion with applicant.

Explanation of application contents and the impact of the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement

Review of applicant's specific terms, conditions and rates for physical collocation.

Clarification of physical agreement terms and conditions for evaluation of their impact specific to project.

Identification of impacting terms and conditions to Interdepartmental Coordinators (i.e.: unique time frames).

Process application

Request service order issuance for establishing a Billing Account Number (BAN).

Gather response data from INAC

Respond to questions from the Interdepartmental Coordinators and review the responses for clarification.

(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of CLEC's agreement).

Preparation & distribution of response

Update response information from the Interdepartmental Coordinators and prepare a response for the customer.

Review of terms, conditions and rates and translation of Interdepartmental response data into written contract commitments.

Prepare written response and cover letter.

Determine expiration date to place Bona Fide Firm Order.

Assemble response package.

Process application fee

Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Physical Collocation - Application Cost - Subsequent

Account Team Collocation Coordinator (ATCC)

Initiation of Application

Initial receipt & review of application in order to validate integrity of data and discussion with applicant.

Explanation of application contents and its impact to the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review CLEC's collocation agreement

Review of applicant's specific terms, conditions and rates for physical collocation.

Clarification of physical agreement terms and conditions for evaluation of their impact specific to project.

Identification of impacting terms and conditions to Interdepartmental Coordinators (i.e.: unique time frames).

Review previous applications

Identification of impacting terms and conditions to Interdepartmental Coordinators

Process application

Request service order issuance for billing the subsequent application fee

Gather response data from INAC

Respond to questions from the Interdepartmental Coordinators and review the responses for clarification.

(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of CLEC's agreement).

Preparation & distribution of response

Update response information from the Interdepartmental Coordinators and prepare a response for the customer.

Review of terms, conditions and rates and translation of Interdepartmental response data into written contract commitments.

Prepare written response and cover letter.

Determine expiration date to place Bona Fide Firm Order.

Assemble response package.

Process application fee

Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Virtual Collocation - Application Cost

Account Team Collocation Coordinator (ATCC)

Initiation of Application

- Initial receipt & review of application in order to validate integrity of data and discussion with applicant.
- Explanation of application contents and its impact to the overall project with applicant.
- Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement

- Review of applicant's specific terms, conditions and rates for virtual collocation.
- Clarification of virtual agreement terms and conditions for evaluation of their impact specific to project.
- Identification of impacting terms and conditions to Interdepartmental Coordinators (i.e.: unique time frames).

Process application

- Request service order issuance for establishing a Billing Account Number (BAN).

Gather response data from INAC

- Respond to questions from the Interdepartmental Coordinators and review the responses for clarification.
(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of the tariff or the CLEC's agreement).

Preparation & distribution of response

- Update response information from the Interdepartmental Coordinators and prepare a response for the customer.
- Review of terms, conditions and rates and translation of Interdepartmental response data into written contract commitments.
- Prepare written response and cover letter.
- Determine expiration date to place Bona Fide Firm Order.
- Assemble response package.

Process application fee

- Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Adjacent Physical Collocation - Application Cost

Account Team Collocation Coordinator (ATCC)

Initiation of Application

Initial receipt & review of application in order to validate integrity of data and discussion with applicant.

Explanation of application contents and its impact to the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement

Review of applicant's specific terms, conditions and rates for adjacent collocation.

Clarification of adjacent agreement terms and conditions for evaluation of their impact specific to project.

Identification of impacting terms and conditions to Interdepartmental Coordinators (i.e.: unique time frames, location, easements, etc.).

Process application

Request service order issuance for establishing a Billing Account Number (BAN).

Gather response data from INAC

Respond to questions from the Interdepartmental Coordinators and review the responses for clarification.

(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of CLEC's agreement).

Preparation and Distribution of the Response

- Update response information from the Interdepartmental Coordinators & prepare response for customer.
- Review terms, conditions, rates & translation of Interdepartmental response data into written contract commitments.
- Prepare written response and cover letter.
- Determine expiration date to place Bona Fide Order.
- Assemble response package (including cover letter, response, BSTEI-1-P forms for placing Bona Fide Firm Order, listings of BellSouth Certified Vendors) ATCC.

Process application fee

Request service order issuance to bill the application fee

ATCC WS 10

- Clerical time for distribution of the application to the field and distribution of the hard copy of response to the customer.

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Physical Collocation in the RT - Application Fee

Account Team Collocation Coordinator

Application Receipt & Review (3 hrs)

- Initial review of application & discussion with applicant
- Explanation of application contents & impact to overall project w/applicant
- Includes clarification of application info necessary for interdepartmental coordinators

Review of Remote Site Collocation Agreement (1 hr)

- Review of applicant's specific terms, conditions & rates for RT collocation
- Clarification of agreement terms & conditions for evaluation of their impact specific to project
- Identification of impacting terms & conditions to interdepartmental coordinators (i.e. unique contract terms, etc)

Processing of Application (3 hrs)

- Identify Interdepartmental coordinators by name, etc. and assign reference number
- Request service order issuance for establishing billing account number (BAN)
- Prepare distribution cover list & identify any critical concerns relating to application
- Assemble Application Package for distribution to Interdepartmental coordinators
- Update master data base for corporate compliance reporting

Process application fee

- Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Physical Collocation - Subsequent App for Virtual to Physical (V to P) Conversion

Account Team Collocation Coordinator (ATCC)

Initiation of the Physical Application

Initial receipt & review of application in order to validate integrity of data & discussion with applicant.

Explanation of application contents & its impact to the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement

Review of applicant's specific terms, conditions & rates for physical collocation.

Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.

Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e.: unique time frames).

Process application

Request service order issuance for establishing a Billing Account Number (BAN).

Gather response data from INAC

Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.

(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of agreement).

Preparation & distribution of response

Update response information from the Interdepartmental Coordinators & prepare a response for the customer.

Review of terms, conditions & rates & translation of Interdepartmental response data into written contract commitments

Prepare written response & cover letter & determine expiration date to place Bona Fide Firm Order

Assemble response package.

Process application fee

Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Administrative Application

Account Team Collocation Coordinator (ATCC)

Initiation of Application

Initial receipt & review of application in order to validate integrity of data and discussion with applicant.

Explanation of application contents and its impact to the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review CLEC's collocation agreement

Review of applicant's specific terms, conditions and rates for physical collocation.

Clarification of physical agreement terms and conditions for evaluation of their impact specific to project.

Identification of impacting terms and conditions to Interdepartmental Coordinators (i.e.: unique time frames).

Process application

Distribute the application by changing the status to "Application Bona Fide"

Request service order issuance for billing the application fee

Gather response data from INAC

Respond to questions from the Interdepartmental Coordinators and review the responses for clarification.

(i.e.: ATCC verifies response provided by Interdepartmental Team matches terms of CLEC's agreement).

Preparation & distribution of response

Update response information from the Interdepartmental Coordinators and prepare a response for the customer.

Review of terms, conditions and rates and translation of Interdepartmental response data into written contract commitments.

Prepare written response and cover letter.

Determine expiration date to place Bona Fide Firm Order.

Assemble response package.

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Physical Collocation - Application to Augment Existing Space - Simple

Account Team Collocation Coordinator (ATCC)

Initiation of application (1 hour)

Initial receipt & review of application in order to validate integrity of data & discussion with applicant.
Explanation of application contents & its impact to the overall project with applicant.
Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement (2 hours)

Review of applicant's specific terms, conditions & rates for physical collocation.
Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.
Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e. unique time frames).

Gather response data from INAC (1 hour)

Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.
(i.e. ATCC verifies response provided by Interdepartmental Team matches terms of CLP's agreement).

Preparation & distribution of response (1 hour)

Update response information from the Interdepartmental Coordinators & prepare a response for the customer.
Review of terms, conditions, rates & translation of Interdepartmental response into written contract commitments.
Prepare written response & cover letter.
Determine expiration date to place Bona Fide Firm Order.
Assemble response package.

Process application fee

Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

Physical Collocation - Application to Augment Existing Space - Minor

Account Team Collocation Coordinator (ATCC)

Initiation of application (1 hour)

Initial receipt & review of application in order to validate integrity of data & discussion with applicant.

Explanation of application contents & its impact to the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement (2 hours)

Review of applicant's specific terms, conditions & rates for physical collocation.

Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.

Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e. unique time frames).

Gather response data from INAC (1 hour)

Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.

(i.e. ATCC verifies response provided by Interdepartmental Team matches terms of CLP's agreement).

Preparation & distribution of response (1 hour)

Update response information from the Interdepartmental Coordinators & prepare a response for the customer.

Review of terms, conditions, rates & translation of Interdepartmental response into written contract commitments.

Prepare written response & cover letter.

Determine expiration date to place Bona Fide Firm Order.

Assemble response package.

Process application fee

Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

**Physical Collocation - Application to Augment Existing Space - Intermediate
Account Team Collocation Coordinator (ATCC)**

Initiation of application (1 hour)

Initial receipt & review of application in order to validate integrity of data & discussion with applicant.
Explanation of application contents & its impact to the overall project with applicant.
Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement (2 hours)

Review of applicant's specific terms, conditions & rates for physical collocation.
Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.
Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e. unique time frames).

Gather response data from INAC (1 hour)

Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.
(i.e. ATCC verifies response provided by Interdepartmental Team matches terms of CLP's agreement).

Preparation & distribution of response (1 hour)

Update response information from the Interdepartmental Coordinators & prepare a response for the customer.
Review of terms, conditions, rates & translation of Interdepartmental response into written contract commitments.
Prepare written response & cover letter.
Determine expiration date to place Bona Fide Firm Order.
Assemble response package.

Process application fee

Request service order issuance to bill the application fee

PRIVATE/PROPRIETARY

No disclosure outside BellSouth except by written agreement.

**Physical Collocation - Application to Augment Existing Space - Major
Account Team Collocation Coordinator (ATCC)**

Initiation of application (1 hour)

Initial receipt & review of application in order to validate integrity of data & discussion with applicant.

Explanation of application contents & its impact to the overall project with applicant.

Includes any clarification of application information necessary for the Interdepartmental Coordinators.

Review collocation agreement (2 hours)

Review of applicant's specific terms, conditions & rates for physical collocation.

Clarification of physical agreement terms & conditions for evaluation of their impact specific to project.

Identification of impacting terms & conditions to Interdepartmental Coordinators (i.e. unique time frames).

Gather response data from INAC (1 hour)

Respond to questions from the Interdepartmental Coordinators & review the responses for clarification.

(i.e. ATCC verifies response provided by Interdepartmental Team matches terms of CLP's agreement).

Preparation & distribution of response (1 hour)

Update response information from the Interdepartmental Coordinators & prepare a response for the customer.

Review of terms, conditions, rates & translation of Interdepartmental response into written contract commitments.

Prepare written response & cover letter.

Determine expiration date to place Bona Fide Firm Order.

Assemble response package.

Process application fee

Request service order issuance to bill the application fee

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BellSouth Telecommunications, Inc.
FPSC Docket Nos. 981834-TP & 990321-TP
Staff's Third Request For Production
March 13, 2003
Item No. 17 (b) (ii)

	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
1			Updated 01/21/03 TEW @ 205-977-0445															
2																		
3																		
4	State	Cost	COLLOCATION	VIRTUAL			PHYSICAL											
5		#		Inputs	11/98 Inputs	1/03 Inputs	Inputs	11/98 Inputs	1/03 Input	ment R	Supporting Info							
6																		
7	FL	H.1.7	Physical Collocation - Cable Support Structure, Per Entrance Cable															
8			Investment per Foot	\$35,000	\$33,960		\$35,000	\$33,960		1	5" Rack = \$233.49/9.7 ft.= \$19.96/ft.; Auxiliary framing, support rods, junction details, etc. estimated at \$14.00 ft.							
9			Cable Capacity	30			30				Note 7							
10			Projected Actual Utilization	50.00%			50.00%											
11			Average Cable Length	350		120	400			137	Note 8							
12																		
13	FL	H.1.8	Physical Collocation - Power, Per	\$165,800			\$165,800											
14			Monthly Power Usage															
15			Average Monthly Cost per KW	\$0.070			\$0.070											
16			Watts	48			48											
17			Rectifier Efficiency	85%			85%											
18																		
19																		
20																		
21																		
22	FL	H.1.9	Physical Collocation - 2-Wire Cross Connects															
23			Trunk Distributing Frame															
24			Material Price		\$4,110.48			\$4,110.48		2	\$3736.80 + 10% (\$373.68) for cable rings, designation boards, and other misc. hardware.							
25			Circuit Capacity	12000			12000											
26			Projected Actual Utilization															
27			Number Required	2			2											
28			Connecting Block															
29			Material Price							3								
30			Circuit Capacity	100			100											
31			Projected Actual Utilization															
32			Number Required	2			2											
33			Cable															
34			Material Price per foot				\$0.863			4								
35			Number Feet				400		172		Note 8							
36			Circuit Capacity				100											
37			Projected Actual Utilization															
38			Cable Rack															
39			Material Price per foot		\$38,070			\$38,070		5	Rack = \$233.49/9.7 ft.= \$24.07/ft.; Auxiliary framing, support rods, junction details, etc. estimated at \$14.00 ft.							
40			Number Feet	300		118	400			8	Note 8							
41			Circuit Capacity	48000	97200		48000	97200			Note;1							
42			Projected Actual Utilization															
43																		
44	FL	H.1.10	Physical Collocation - 4-Wire Cross Connects															
45			Trunk Distributing Frame															
46			Material Price		\$4,110.48			\$4,110.48		2	\$3736.80 + 10% (\$373.68) for cable rings, designation boards, and other misc. hardware.							
47			Circuit Capacity	6000			6000											
48			Projected Actual Utilization															
49			Number Required	2			2											
50			Connecting Block															
51			Material Price							3								
52			Circuit Capacity	50			50											
53			Projected Actual Utilization															
54			Number Required	2			2											

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	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	
55			Cable																
56			Material Price per foot					\$0.863		4									
57			Number Feet				400		172		Note 8								
58			Circuit Capacity				50												
59			Projected Actual Utilization																
60			Cable Rack																
61			Material Price per foot		\$38.070			\$38.070		5	Rack = \$233.49/9.7 ft.= \$24.07/ft.; Auxiliary framing, support rods, junction details, etc. estimated at \$14.00 ft.								
62			Number Feet	300		118	400		157	8	Note 8								
63			Circuit Capacity	24000	48600		24000	48600			Note 1								
64			Projected Actual Utilization																
65				VIRTUAL			PHYSICAL												
66	FL	H.1.11	Physical Collocation - DS1 Cross Connects																
67			DSX-1 Panel	Provided by another group															
68			Cable																
69			Material Price per foot					\$0.634		6									
70			Number Feet				300		168		Note 8								
71			Additional Feet if Repeater				600												
72			Circuit Capacity				14												
73			Projected Actual Utilization																
74			Percent Repeater Required				5.00%												
75			Cable Rack																
76			Material Price per foot	\$38.000	\$38.070			\$38.070		5	Rack = \$233.49/9.7 ft.= \$24.07/ft.; Auxiliary framing, support rods, junction details, etc. estimated at \$14.00 ft.								
77			Number Feet	300		153	300		153		Note 8								
78			Additional Feet if Repeater				600												
79			Circuit Capacity	6720	10528		6720	10528			Note 2								
80			Projected Actual Utilization																
81			Percent Repeater Required				5.00%												
82			Repeater Bay																
83			Material Price					\$455.400											
84			Circuit Capacity				224												
85			Projected Actual Utilization																
86			Percent Required				5.00%												
87			Repeater Shelf																
88			Material Price					\$276.250											
89			Circuit Capacity				28												
90			Projected Actual Utilization																
91			Percent Required				5.00%												
92			Repeater																
93			Material Price					\$289.000											
94			Circuit Capacity				1												
95			Projected Actual Utilization																
96			Percent Required				5.00%												
97																			
98	FL	H.1.12	Physical Collocation - DS3 Cross Connects																
99			DSX-3 Panel	Provided by another group															
100			Cable																
101			Material Price per foot					\$0.488		7 and 8	Note 3								
102			Connector Material Price per cable					\$7.760		9 and 10									
103			Number Feet				300		171		Note 8								
104			Additional Feet if Repeater				400												
105			Number Cables per Circuit				2												
106			Circuit Capacity				1												
107			Projected Actual Utilization																
108			Percent Repeater Required				10.00%												

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	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	
109			Cable Rack																
110			Material Price per foot		\$38,070			\$38,070		5	Rack = \$233.49/9.7 ft.= \$24.07/ft.; Auxiliary framing, support rods, junction details, etc. estimated at \$14.00 ft.								
111			Number Feet	300		156	300		156		Note 8								
112			Additional Feet if Repeater				400												
113			Circuit Capacity	480	3732		480	3732			Note 4								
114			Projected Actual Utilization																
115			Percent Repeater Required					10.00%											
116			Repeater Bay																
117			Material Price					\$455,400											
118			Circuit Capacity				80												
119			Projected Actual Utilization																
120			Percent Required					10.00%											
121																			
122																			
123	FL	H.1.12	Repeater Shelf				PHYSICAL												
124			Material Price					\$385,200											
125			Circuit Capacity				8												
126			Projected Actual Utilization																
127			Percent Required					10.00%											
128			Repeater																
129			Material Price					\$1,516,500											
130			Circuit Capacity				1												
131			Projected Actual Utilization																
132			Percent Required					10.00%											
133																			
134	FL	H.1.13	Physical Collocation - 2-Wire POT Bay																
135			POT Bay																
136			Material Price					\$519.74			Note 5								
137			Circuit Capacity				1296	1400											
138			Projected Actual Utilization																
139			Termination Block w/Bridging Clips																
140			Material Price					\$6.41			Note 5								
141			Circuit Capacity				24	25											
142			Projected Actual Utilization																
143																			
144	FL	H.1.14	Physical Collocation - 4-Wire POT Bay																
145			POT Bay																
146			Material Price					\$519.74			Note 5								
147			Circuit Capacity				648	700											
148			Projected Actual Utilization																
149			Termination Block w/Bridging Clips																
150			Material Price					\$6.41			Note 5								
151			Circuit Capacity				12	12.5											
152			Projected Actual Utilization																
153																			
154	FL	H.1.15	Physical Collocation - DS1 POT Bay								Note 6								
155			POT Bay																
156			Material Price					\$1,200.18			11 and 12								
157			Circuit Capacity				1008												
158			Projected Actual Utilization																
159			POT Bay Shelf																
160			Material Price								13								
161			Circuit Capacity				84												
162			Projected Actual Utilization																
163			POT Bay Module																
164			Material Price								14								
165			Circuit Capacity				4												
166			Projected Actual Utilization																
167																			
168	FL	H.1.16	Physical Collocation - DS3 POT Bay								Note 6								
169			POT Bay																

	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
170			Material Price					\$1,200.18		11 and 12								
171			Circuit Capacity				384											
172			Projected Actual Utilization															
173			POT Bay Shelf															
174			Material Price					\$198.55		15								
175			Circuit Capacity				32											
176			Projected Actual Utilization															
177			POT Bay Module															
178			Material Price					\$67.75		16								
179			Circuit Capacity				1											
180			Projected Actual Utilization															
181																		
182																		
183																		
184																		
185			Note 1: Assume 26Ga 100 Pr 806A cable OD=0.56"															
186			2' 6" Cable rack with max. 10" pileup															
187			Capacity = 30/.56 x 10/0.56 = 54 x 18 = 972 cables															
188			2wire Circuits = 972 x 100 = 97,200															
189			4wire circuits = 972 x 100/2 = 48600															
190																		
191			Note 2: Assume 22Ga 616C 28 pair Cable OD = 0.64"															
192			2' 6" Cable rack with max. 10" pileup															
193			Capacity = 30/.64 x 10/.64 = 47 x 15 = 752 cables															
194			DS1 Circuits = 752 x 14 = 10,528															
195																		
196			Note 3: DS3 cable pricing. BST standards: use 735A up to 250'. Beyond 250' use 734D. Assume an even distribution of cable lengths from 100' to 455'. 10% beyond 455' require repeaters. 90% less than 455'.															
197			Cables between 100 and 250 = 150/355 = 42.3%. Cables between 250 and 455' = 205/355 = 57.7%															
198			735A cable utilization = .423 x 90% = 38%															
199			734D cable utilization = 100% - 38% = 62%															
200			734D = \$.550/ft 735A = \$.388/ft															
201			\$/ft = (.550)x(.62) + (.388)(.38) = \$.488/ft															
202																		
203			Note 4: from note 3, 38% of DS3 cable is 735A, 62% is 734D															
204			735A OD = .122" , 734D OD = 0.236"															
205			735A cross section = .122 x .122 = .0149 sq. in.															
206			734D cross section = .236 x .236 = .0557 sq. in.															
207			Cabl rack cross section = 30" x 10" = 300 sq in															
208			Let X = total cables; 300 = (.62)(X)(.0557) + (.38)(X)(.0149)															
209			.034534X + .005662X = 300															
210			.040196X = 300															
211			X = 7463															
212			Capacity = 7463/2 = 3732															
213			735A cables = .38 (7463) = 2836															
214			734D cables = .62(7463) = 4627															
215																		

	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S
216			Note 5: DSO POT Consists of following:															
217			Qty - 1 universal 7" rack @ \$239.46															
218			Qty - 14 angle mtg bars @ \$20.02 ea. = \$280.28															
219			Total POT Bay = \$519.74															
220																		
221			Conn. Blk Matl per 25 2-wire ckts.															
222			Qty - 1 89B mtg bkts @ \$.85 ea.															
223			Qty: 1 66M1 Conn blk @ \$5.54 ea.															
224			Qty 50 C bridging clips @ \$.02 ea = \$1.00															
225			Total DSO Conn Blk cost = \$6.41															
226			Note 5 prices quoted from Alltel Supply 11/5/98															
227																		
228			Note 6: DS1 and DS3 POT Bay consists of:															
229			Qty: 1ED-8C501-50 G1 7ft. Netwk Bay Frame @ \$457.80															
230			Qty: 1 ED-8C157-31 G6 Interconnect Hardware @ \$742.38															
231			Total Bay cost = \$1,200.18															
232																		
233			Note 7: 5" cable rack - length 9' 8.5"															
234			Qty of 1 ED4C685-72 G1 @ \$107.20 ea.															
235			Qty of 1 ED4C685-72 G10 @ \$86.40 ea.															
236			Total = \$19.96/ft. +															
237																		
238			Note 8: Avg cable rack lengths calculated															
239			from recent estimates of actual Physical															
240			collo arrangements in several FL COs.															
241			Estimated lengths for virtual															
242			collo are estimated using the original															
243			virtual/physical cable rack length ratios															
244			Cable lengths estimated using cable															
245			rack lengths plus 7.5 ft. on each end.															
246																		
247																		
248																		
249																		
250																		
251																		
252																		
253																		
254																		
255																		
256																		
257																		
258																		
259																		
260																		
261																		
262																		
263																		
264																		
265																		
266																		

A

B

C

	Matl	Source	Cost			
1	Physical Collocation - 2 Fiber (Singlemode) Cross Connects					
2	LGX Bay					
3	Bay Frwk	Network Planning & Support				
4	Retainers JR4C9	Network Planning & Support				
5	Lightguide Kit (2)	Network Planning & Support				
6	Total Material Price	Network Planning & Support				
7	Circuit Capacity	Network Planning & Support	324			
8	Projected Actual Utilization	Network Planning & Support				
9	LGX Shelf					
10	Shelf	Network Planning & Support				
11	Coupler Panel (12)	Network Planning & Support				
12	SC Coupling (72)	Network Planning & Support				
13	Total Material Price	Network Planning & Support				
14	Circuit Capacity	Network Planning & Support	36			
15	Projected Actual Utilization	Network Planning & Support				
16	Fiber Cable					
17	Material Price per foot (\$1,114.02/100)	Network Planning & Support				
18	Number Feet	Network Planning & Support	330	Note 3		
19	2 Fiber Circuit capacity per Cable	Network Planning & Support	36			
20	Projected Actual Utilization	Network Planning & Support				
21	Connector Price per circuit	Network Planning & Support				
22	Cable Rack 5" ED4C685 -72			Note 1		
23	Material Price per foot	Network Planning & Support				
24	Number Feet	Network Planning & Support	330	Note 3		
25	Circuit Capacity	Network Planning & Support	1200	Note 2		
26	Projected Actual Utilization	Network Planning & Support				
27	Physical Collocation - Fiber POT Bay					
28	POT Bay					
29	Material Price	Network Planning & Support				
30	Circuit Capacity	Network Planning & Support	156			
31	Projected Actual Utilization					
32	POT Bay Shelf e/w locks					
33	Shelf	Network Planning & Support				
34	Coupler Panel (4)	Network Planning & Support				
35	SC Coupling (24)	Network Planning & Support				
36	Total Material Price	Network Planning & Support				
37	Circuit Capacity	Network Planning & Support	12			
38	Projected Actual Utilization					

page 6

A

B

C

Direct Interconnection Cable Support			
(data provided for computation of cable support cost/linear foot; billing should be based upon installed cable circuit capacity not circuits placed in service)			
1	DS0		
2	Cable Rack		
3	Material Price per foot	Network Planning & Support	
4	Circuit Capacity	Network Planning & Support	97200
5	Projected Actual Utilization		use DS0 xconn
6	DS1		
7	Cable Rack		
8	Material Price per foot	Network Planning & Support	
9	Circuit Capacity	Network Planning & Support	10528
10	Projected Actual Utilization		use DS1 xconn
11	DS3		
12	Cable Rack		
13	Material Price per foot	Network Planning & Support	
14	Circuit Capacity	Network Planning & Support	3732
15	Projected Actual Utilization		use DS3 xconn
16	FIBER Cable Rack		
17	Material Price per foot	Network Planning & Support	
18	Circuit Capacity	Network Planning & Support	1200
19	Projected Actual Utilization		
20	FIBER Duct		Note 3
21	Material Price per foot	Network Planning & Support	
22	Circuit Capacity	Network Planning & Support	400
23	Projected Actual Utilization		
24	Note 1: 5" Cable rack material cost		
25	ED4C685-72 G-1	\$99.60 (rack)	
26	G-10	\$80.60 (horns)	
27	G-66	\$8.88 (support detail)	
28	G-106	\$17.19 (threaded rod)	
29	\$206.27/9.71' = \$21.24/ft		
30	Note 2: Assume 24 fiber LGBC OD=.49"		
31	Assume cable pileup to max of 5"		
32	Max cables = 5/.49 X 5/.49 = 100		
33	Circuit Cap = 100 X 12 = 1200		
34	Note 3: Fiber Duct Components/60ft run		
35	10 - 4x4 Straight Duct 6'	\$32.97ea	
36	2 - 4x4 Elbow	\$49.31ea	
37	10 - 4x4 Splice	\$1.86ea	
38	5 - Support Details	\$3.23ea	
39	5 - threaded rod	\$17.19ea	
40	Total per 60ft = \$549.02		
41	Matl Cost per Foot = \$9.15		
42	Fiber Patchcord Capacity from ADC catalog		
43	Assumes 3mm patchcords, 2/ckt		
44	Note 3: Cable length changed from 300 to 330		
45	to match average physical collocation		
46	DS1 cross connect length		
47	(revised 11/6/97)		

BellSouth Telecommunications, Inc.
FPSC Docket. No. 981834 -TP/990321-TP
Staff's 3rd Request for Production
March 13, 2003
Item No. 17 (f) (ii)

A B C D E F G

RDSC Code		MESA 6 REMOTE TERMINAL CABINET EQUIPPED WITH THREE (3) DISCS COMMON SHELVES; ONE (1) DDM 2800 MUX SHELF; (8) STS 3182 REPEATER SHELVES, (1) DIXI PANEL, AND WIRED FOR (21) COPPER CHANNEL SHELVES.					Marconi Total Price	BellSouth Total Price
Base Model	Sub- Model	Qty.	Product Description	Product Code	Item Designator	PID NO.			Sub-Price
XRMS2000	0000	1	Base Model Hardware	.				
X0005378	0	0	RDT (Copper) RT Channel Shelf	JCO402L15				
	0	0	RDT (FRTL) RT Channel Shelf	JCO402L14				
	2	2	(8) 6V-180AH Batteries	JCO402L32	RM6200000H	759970510		
	1	1	Base Model Plug-Ins	.				
	2	2	Modular Rectifier	41-308-39				
	0	0	Ringing Generator Module SFT 7	487110900				
	1	1	Adapter Null Modem	41-088-46				
	2	2	LIU Test Connector	41-088-39	RM6200000P	739970507		
	1	1	Other Vendors Equipment	.	CAB900DSXM8KIT	409970142		
	1	1		.	CABDIXPANEL	410970149		
	1	1		.	CABDDMKIT	665950820		
	.		BellSouth Total	.				
XRMS2040	0300	1	Base Model Hardware	.				
X0005177	3	3	RDT (Copper) RT Channel Shelf	JCO402L15				
	0	0	RDT (FRTL) RT Channel Shelf	JCO402L14				
	2	2	(8) 6V-180AH Batteries	JCO402L32	RM62000300H	368943618		
	1	1	Base Model Plug-Ins	.				
	2	2	Modular Rectifier	41-308-39				
	2	2	Ringling Generator Module SFT 7	487110900				
	1	1	Adapter Null Modem	41-088-46				
	2	2	LIU Test Connector	41-088-39	RM62000300P	411943624		
	1	1	Other Vendors Equipment	.	CAB900DSXM8KIT	409970142		
	1	1		.	CABDIXPANEL	410970149		
	1	1		.	CABDDMKIT	665950820		
	.		BellSouth Total	.				

1.
2.
3.
4.
5.
6.

Marconi Communications

PRIVATE/PROPRIETARY
Contains private and/or proprietary information. May not be used or disclosed
outside BellSouth Corporation or Marconi Communications.

18

100 20

Ordering Guide
June, 1999

MESA 6 Models

1A

CUSTOMER: BELLSOUTH TELECOMMUNICATIONS, INC.

BASE MODEL CODE: XRM6200

CONFIGURATION: MESA 6 Remote Terminal Cabinet Equipped with Three (3) DISC*S Common Shelves, One (1) DDM 2000 Mux Shelf, Zero (0) STS 3192 Repeater Shelves, (1) DIXI Panel, and wired for (21) Copper Channel Shelves.

ITEM	BASE MODEL HARDWARE	PRODUCT CODE	QTY
1.0	MESA Cabinet Assy consist of:	JC0402L1	1
1.1	MESA Cabinet	F003196	1
1.2	Fuse & Alarm Panel	4100892L3	3
1.3	Common Shelf	4100891L2	3
1.4	Modular Power Shelf	72-07-954	1
1.5	DC Distribution Panel	73-16-598	1
1.6	Marconi 325 Protector Block (2300pr)		1
1.7	Alarm Cross Connect Panel	45-508-49	1
1.8	Battery Termination Panel	73-16-599	1
2.0	DDM-2000 Wired for 84 DS1s	JC0402L19	1
2.1	DDM-2000 MUX Shelf Kit: CABDDMKIT PID: 665950820		1
2.2	DDM-2000 2C Fan Unit		1
3.0	DIXI Panel KIT: CABDIXIPANEL	JC0402L12C	1
3.1	DIXI Panel PID: 410970149		1
4.0	900 Type DSX KIT: CAB900DSXMKIT PID: 409970142	JC0402L81 ^{1, L60}	1
4.1	900 Type DSX		1
5.0	Thermal Runaway Unit	JC0402L35	1
5.1	Thermal Runaway Unit		1
6.0	Ringling Generator Shelf	JC0402L18	1
6.1	SFT7 Ring Generator Shelf		
7.0	MESA 6 Documentation consists of:		
7.1	MESA 6 Description & Install. Practice	640-250-612C	1
8.0	6V-160AH Batteries	JC0402L32	2/3

ITEM	BASE MODEL PLUG-INS	PRODUCT CODE	QTY
9.0	Power and Ringling Plug-ins		
9.1	Modular Rectifiers	41-308-39	2
9.2	Ringling Generator Modules	487110900	2
10.0	LIU Test Connector	41-008-39	2
11.0	Adapter Null Modem	41-008-46	1

Marconi Communications

Contains

Post-It™ brand fax transmittal memo 7671 # of pages 6

To	Wedy, J. Strom	From	GRAY
Co.		Co.	
Dept.		Phone #	
Fax #	404-529-5469	Fax #	

PROPRIETARY

Not for Disclosure Outside BellSouth
Except by Written Agreement.

6' x 24' CONTROLLED ENVIRONMENT VAULT

A B C D

PRICING SUMMARY

	CEV CONFIGURATION	NO. IFITL SYST.	EQPT. TOTAL	INST. MAT. TOTAL	INST. LABOR TOTAL	TOTAL
1.						
2.	OLDCASTLE CEV					
3.	CAPITAL CONCRETE CEV	-				
4	CEV IFITL EQPT.	7				
5		8				
6		9				
7	MUX OPTIONS					
8	FLM-150 EQPT.	-				
9	DDM-2000 EQPT.	-				

TRANSPORTATION / HOISTING / PLACEMENT CHARGES

	TRANSPORTATION	HOISTING	PLACEMENT	TOTAL
	F.O.B. Origin/ F.O.B. Destination			
10	AREA			
11	Miami			
12	Ft. Lauderdale			
13	Atlanta			
14	Orlando			
15	Jacksonville			
16	New Orleans			
17	Charlotte			
18	Raleigh			

6' x 24' CONTROLLED ENVIRONMENT VAULT

		A	B	C	D
ITEM	DESCRIPTION	QTY	UNIT PRICE	EQPT TOTAL	TOTAL INST MATERIAL LABOR
DISCHS HDT EQUIPMENT					
1.	1A HDT IFITL Bay e/w 7 OCS RDSC Code RM6506007	7			
2.	-48VS Fuse & Alarm Panel (J-C2001L12)	2			
3.	Alcoa Fujikura Octal Jumpers Bays 1-4, 31 Feet, SC/SC	4			
4.	Bays 5-7, 22 Feet, SC/SC	3			
5.	Data Cable Set (1 per IFITL Bay)	7			
6.	7 DISCHS HDT BAYS TOTAL				
7.	1B HDT IFITL Bay e/w 7 OCS RDSC Code RM6506007	8			
8.	-48VS Fuse & Alarm Panel (J-C2001L12)	3			
9.	Alcoa Fujikura Octal Jumpers Bays 1-4, 31 Feet, SC/SC	4			
10.	Bays 5-8, 22 Feet, SC/SC	4			
11.	Data Cable Set (1 per IFITL Bay)	8			
12.	8 DISCHS HDT BAYS TOTAL				
13.	1C HDT IFITL Bay e/w 7 OCS RDSC Code RM6506007	9			
14.	-48VS Fuse & Alarm Panel (J-C2001L12)	3			
15.	Alcoa Fujikura Octal Jumpers Bays 1-4, 31 Feet, SC/SC	4			
16.	Bays 5-9, 22 Feet, SC/SC	5			
17.	Data Cable Set (1 per IFITL Bay)	9			
18.	9 DISCHS HDT BAYS TOTAL				

6' x 24' CONTROLLED ENVIRONMENT VAULT

A B C D

POWER TRANSFER SWITCH					
1.	2	200 Amp JuiceBox RJBD200MXRBS	1	N/A	Included in Turnkey
2.		JuiceBox Template (F003488)	1		
BASIC STRUCTURE					
3.	3A	Oldcastle 6' X 24' CEV	1	N/A	N/A
4.	3B	Capital Concrete 6' x 24' CEV	1	N/A	N/A
DISTRIBUTING FRAME					
5.	4	800 Frame	5	N/A	
6.		100 Pr. Cross Connect Block	27	Included w/ frame	Included w/ frame
DS-1 CROSS CONNECT					
7.	5	DIXI-84 DS-1 DSX Panels	2	N/A	
8.	6	800 Frame	2	N/A	
9.		56 Pr. Cross Connect Block	8	Included w/ frame	Included w/ Frame
MULTIPLEXER					
10.	7A	FLM-150 Multiplexer System	2	N/A	
11.	7B	DDM-2000 Multiplexer System	2	N/A	
LGX / FIBER MGMT.					
12.	8	Feeder 24F LGX (108319849)	1		
13.	9	Dist. 144F LGX (108349390)	5		
14.	10	CEV Fiber Management System	1	N/A	N/A

6' x 24' CONTROLLED ENVIRONMENT VAULT

A B C D

				Installed in field	Installed in field
REPEATER					
1.	11	Wescom STS 3192 System	1		
POWER EQUIPMENT					
2.	12	Power Plant	1		
3.	13	Battery Stands (PM0125-4CB)	2		
4.		Batteries FIAMM (FL0125BE 125 AH)	16		
MISC. EQUIPMENT					
5.	14	Iron Work & Cable Rack	1	N/A	
6.		Ground System	1	N/A	
7.		Fiber Ducting System	1	N/A	
8.		Pwr. Harness for PC Data & Video	1	N/A	
MISC. FUSE PANEL					
9.	15	Misc. Fuse Panel	2		
MISC. EQUIPMENT RACK					
10.	16	Misc. Equipment Rack	5	N/A	
ALARM CROSS CONNECT SYSTEM					
11.	17	Alarm Cross Connect Panel	2	N/A	
PROTECTION					
12.	18	Protection Frame Assembly	1	N/A	
13.		307C2-100 Protection Block	14		

Scope of Turnkey Installation

- Project management.
- Test bores and soil investigation report.
- Excavation of site.
- Compacted stone base.
- Provide, install and connect ground ring consisting of #2 bare copper conductor cad-welded to 8' copper ground rods spaced approximately 8' - 10' apart.
- Crane Services and placement of CEV.
- Concrete slurry (CDF) backfill.
- Dry well.
- Basic site restoration.
- Connect commercial AC from meter to CEV.
- Connect environmental alarms.
- Installation of batteries, DC power turn-up and adjustment, and brief orientation session on DC power system.

Proposal Assumptions

- All easements, leases, zoning variances and special permits beyond normal excavation permits shall be secured by customer.
- Site is clear and free of obstructions.
- Pricing does not include charges associated with the relocation of overhead and/or underground utilities.
- Assumes that traffic control is not required.
- Assumes sufficient lead times for construction start.
- Site is accessible by cranes, boom trucks and concrete trucks under their own power.
- MARCONI Communications shall not be liable for testing, handling or disposal of contaminated or hazardous materials.
- Free and unobstructed access to site during normal business hours.
- Pricing does not include driveway construction, landscaping or custom site preparation such as walls, fences and landscape timbers.
- Assumes a non-union work environment.
- Commercial AC is available at site within 25' of AC service entrance.
- Soil investigation report does not indicate special foundation or installation requirements.
- MARCONI, Network Solutions Group shall be responsible for arranging for commercial AC and coordinating with local Power Company for final inspection and connection.
- Any deviation from the previously mentioned Scope of Work shall result in a pricing increase.
- Any downtime beyond the control of MARCONI, Network Solutions group shall result in a charge that shall be billed hourly in accordance with the work being performed.
- All work to be performed shall be completed in such a sequence as to ensure that a continuous work environment shall be utilized until final acceptance of the project. Failure to comply could result in a pricing increase.
- Pricing does not include any blasting of hard soil and assumes that ground condition shall be deemed as normal and will not require any additional pricing.
- Pricing does not include any pricing for the excavation in or through any environmentally protected areas.
- Pricing assumes that well pointing shall not be utilized.
- Additional Mobilization fee will apply if less than 2 sites are awarded in any of the aforementioned BellSouth regions.
- Hoisting pricing will be set at up to 4 hours. Additional charges may be incurred for more time due to varying site conditions.
- Pricing for AC connection shall be for one 200A power transfer switch.
- Pricing for AC connection does not provide for any type of special licensing fees.
- Engineering shall consist of "As Built" of the site installed.

BellSouth Telecommunications, Inc.
FPSC Docket. No. 981834 –TP/990321-TP
Staff's 3rd Request for Production
March 13, 2003
Item No. 17 (g) (i)

Average Location Life

Purpose/Application:

The period of time between connection and disconnection of service is called Location Life. The Location Life (usually captured in the number of months) is used to recover the nonrecurring cost for disconnection of telephone service at some point of time in the future. Disconnect rates may or may not be charged at the time of connection (they may be charged at the time of disconnection) depending on the characteristics of the service offering or as ordered by a Public Service Commission.

How Developed:

- On an annual basis, Finance Cost Matters receives a data extract from Cross-Segment Marketing, which contains End of Period Access Lines, Average Access Lines In-Service (Inservice), and Average Outward Movement Lines (Out Moves).
- The Location Life in years is calculated by dividing the In-Service lines by the Out-Movement lines.
- Annual Total Business/Service life is equal to the summation of each service access line divided by the total business access line multiplied by each service life.
- A rolling three-year average is computed and multiplied by 12 to convert the three-year average to months for Residence or Business/Service.
- The melded or weighted Residence/Business Service month is the sum of the residence month multiplied by the residence access line percent and the business/service month multiplied by the business/service access line percent.

1	A	B	C	D	E
		Florida Average Location Life for Discounted Disconnect Factor (DDF)			
2					
3					
4					
5					
6	Year	Description	Source	Access Lines	Life (yrs.)
7					
8					
9	EQY1997	Residence	Cross Segment Marketing	4,277,848	3.24
10		Business Lines	Cross Segment Marketing	1,341,478	3.12
11		Business Trunks	Cross Segment Marketing	92,540	5.82
12		COCOTS	Cross Segment Marketing	75,182	5.19
13		Toll Terminals	Cross Segment Marketing	3,438	3.12
14		CTX/ESSX ISDN (B-Channels)	Cross Segment Marketing	n/a	0.00
15		Centrex Lines	Cross Segment Marketing	n/a	0.00
16		ESSX Lines	Cross Segment Marketing	226,852	4.42
17		Multiserv Plus Lines	Cross Segment Marketing	21,731	4.42
18		Multiserv Lines	Cross Segment Marketing	6,899	4.42
19		Misc. Other	Cross Segment Marketing	59,485	3.12
20		Total Business/Service	Sum(D11:D20); (D11/D21*E11)+(D12/D21*E12), etc	1,830,833	3.74
21					
22					
23					
24	EQY1998	Residence	Cross Segment Marketing	4,475,089	3.75
25		Business Lines	Cross Segment Marketing	1,419,823	3.88
26		Business Trunks	Cross Segment Marketing	89,169	5.86
27		COCOTS	Cross Segment Marketing	75,748	5.92
28		Toll Terminals	Cross Segment Marketing	3,077	3.86
29		CTX/ESSX ISDN (B-Channels)	Cross Segment Marketing	n/a	0.00
30		Centrex Lines	Cross Segment Marketing	n/a	0.00
31		ESSX Lines	Cross Segment Marketing	224,748	7.80
32		Multiserv Plus Lines	Cross Segment Marketing	27,578	7.80
33		Multiserv Lines	Cross Segment Marketing	7,307	7.80
34		Misc. Other	Cross Segment Marketing	128,381	3.88
35		Total Business/Service	Sum(D26:D35); (D26/D36*E26)+(D27/D36*E27), etc	1,670,610	4.78
36					
37					
38					
39	EQY1999	Residence	Cross Segment Marketing	4,622,779	3.11
40		Business Lines	Cross Segment Marketing	1,449,583	3.17
41		Business Trunks	Cross Segment Marketing	80,610	4.79
42		COCOTS	Cross Segment Marketing	71,819	4.54
43		Toll Terminals	Cross Segment Marketing	2,484	3.17
44		CTX/ESSX ISDN (B-Channels)	Cross Segment Marketing	4,287	6.43
45		Centrex Lines	Cross Segment Marketing	9,193	6.43
46		ESSX Lines	Cross Segment Marketing	213,086	6.43
47		Multiserv Plus Lines	Cross Segment Marketing	21,357	6.43
48		Multiserv Lines	Cross Segment Marketing	6,247	6.43
49		Misc. Other	Cross Segment Marketing	203,341	3.17
50		Total Business/Service	Sum(D41:D50); (D41/D51*E41)+(D42/D51*E42), etc	2,061,357	3.84
51					
52					
53					
54					
55				3-Year Average	Months
56		Residence	Average(E9,E24,E39); D56*12	3.37	40
57		Business/Service	Average(E21,E38,E51); D57*12	4.12	49
58					
59		Molded Res/Bus/Svc	(E56*E65)+(E57*E66)		43
60					
61					
62				EQY 1999	Weighted
63				Access Lines	Access Lines
64					
65		Residence	D38; D65/D67	4,622,779	0.6918
66		Business/Service	D51; D66/D67	2,061,357	0.3084
67		Total	Sum(D65:D66); Sum(E65:E66)	6,684,136	1.0000

page 2

A
 STATE: FL DEV. DATE: 12/97

B C D
 NO. OF LINES REVENUE AVG. RATES

 EXCL OFFICIAL

	NO. OF LINES	REVENUE	AVG. RATES
1. RES 1-PARTY FLAT			10.02
2. RES 2-PARTY FLAT			0.00
3. RES 4-PARTY FLAT	0	0.00	0.00
4. RES MESSAGE	0	0.00	0.00
5. RES STD MEAS			6.16
6. RES LOW USE MEAS			5.88
7. RES MEAS PLAN LINES			6.08
8. RES COMPLETE CHOICE			27.93
9. RES AREA PLUS W/ COMP. CHOICE			25.90
10. SUB-TOTAL RES LINES			43.85
11. RES TRK FLAT			12.25
12. RES MEAS PLAN TRK			18.19
13. SUB-TOTAL RES TRUNKS	0	0.00	0.00
14. BUS 1-PARTY FLAT			18.19
15. BUS 2-PARTY FLAT			27.48
16. BUS 4/8-PARTY FLAT	0	0.00	0.00
17. BUS MESSAGE	0	0.00	0.00
18. BUS STD MEAS			20.22
19. BUS MEAS PLAN LINES			13.83
20. BUS PLUS	0	0.00	0.00
21. BUS CHOICE			39.36
22. SUB-TOTAL BUS LINES			62.49
23. BUS TRK FLAT			27.15
24. BUS TRK MESS 1ST			46.78
25. BUS TRK MESS ADDL			20.14
26. BUS TRK MEAS			10.17
27. BUS TRK MEAS PLAN	0	0.00	34.51
28. SUB-TOTAL BUS TRUNKS			0.00
29. NAR CTX/ESSX-1			40.78
30. NAR ESSX/MSP FLAT			49.47
31. NAR ESSX/MSP MESS			16.40
32. NAR ESSX/MSP MEAS	0	0.00	7.08
33. NAR ESSX/MSP MEAS PLAN	0	0.00	0.00
34. SUB-TOTAL ESSX/MSP NARS			0.00
35. NAR ML/LG FLAT			15.64
36. NAR ML/LG MESS			15.72
37. NAR ML/LG MEAS/VU			6.95
38. NAR ML/LG MEAS PLAN VU	0	0.00	0.00
39. SUB-TOTAL ML/LG NARS			16.96
40. ML/LG NAS LINE	0	0.00	15.37
41. ML/LG NAS TRK	0	0.00	0.00
42. SUB-TOTAL ML/LG NAS	0	0.00	0.00
43. COCOTS-FLAT			0.00
44. COCOTS-MESS	0	0.00	27.43
45. COCOTS-MEAS			0.00
46. COCOTS MEAS PLAN	0	0.00	29.93
47. SMARTLINE FLAT			0.00
48. SMARTLINE USAGE			44.97
49. SUB-TOTAL COCOTS LINES			34.99
50. TOLL TERMINALS			28.70
51. CELLULAR CONNECTIONS	0	0.00	26.50
52. ESSX LINES			0.00
53. MULTISERV PLUS LINES			9.48
54. MULTISERV LINES			8.31
55. MISC. OTHER			25.34
56. TOTAL (INC. ESSX LINES, NO TOLL TERM)			27.44
57. TOTAL (INC. ESSX NARS, W/ TOLL TERM)			16.19
58. RES FLAT HTG			16.47
59. RES MESS HTG			5.08
60. RES MEAS HTG	0	0.00	3.41
61. RES MEAS PLAN HTG	0	0.00	0.00
62. SUB-TOTAL RES HTG			0.00
63. BUS FLAT HTG			4.96
64. BUS MESS HTG			8.96
65. BUS MEAS HTG			0.00
66. BUS MEAS PLAN HTG	0	0.00	7.17
67. SUB-TOTAL BUS HTG			0.00

PRIVATE/PROPRIETARY

No disclosure outside to BellSouth except by written agreement.

TEXT
Subject: FLIC1297.TXT
Creator: Glyn S. Martin /AL, BRHM08

Date: 8/12/98 at 13:11
Size: 699 bytes

FLORIDA	Inservice (A)	Out Moves (B)	Disconnects (C)	Avg Loc Life A/(B+C)
1997	-----	-----	-----	-----
Residence	4166851	1284963	0	3.24
Business	1340253	429113	0	3.12
PBX Trunks	96879	16656	0	5.82
ML/LG NARs	114624	22464	0	5.10
ESSX NARs	51541	11649	0	4.42
COCOTS	64577	12441	0	5.19

A
STATE: FL DEV. DATE: 12/98

B C D
NO. OF LINES REVENUE AVG. RATES

EXCL OFFICIAL

	NO. OF LINES	REVENUE	AVG. RATES
1 RES 1-PARTY FLAT			9.99
2 RES 2-PARTY FLAT	0	0.00	0.00
3 RES 4-PARTY FLAT	0	0.00	0.00
4 RES MESSAGE			6.54
5 RES STD MEAS			6.24
6 RES LOW USE MEAS			6.44
7 RES MEAS PLAN LINES			29.90
8 RES COMPLETE CHOICE			27.67
9 RES AREA PLUS W/ COMP. CHOICE			29.02
10 SUB-TOTAL RES LINES			13.58
11 RES TRK FLAT			19.21
12 RES MEAS PLAN TRK	0	0.00	0.00
13 SUB-TOTAL RES TRUNKS			19.21
14 BUS 1-PARTY FLAT			27.30
15 BUS 2-PARTY FLAT	0	0.00	0.00
16 BUS 4/8-PARTY FLAT	0	0.00	0.00
17 BUS MESSAGE			20.26
18 BUS STD MEAS			13.73
19 BUS MEAS PLAN LINES			0.00
20 BUS PLUS			38.81
21 BUS CHOICE			57.47
22 SUB-TOTAL BUS LINES			27.23
23 BUS TRK FLAT			46.63
24 BUS TRK MESS 1ST			20.14
25 BUS TRK MESS ADDL			10.04
26 BUS TRK MEAS			35.34
27 BUS TRK MEAS PLAN	0	0.00	0.00
28 SUB-TOTAL BUS TRUNKS			40.71
29 NAR CTX/ESSX-1			16.27
30 NAR ESSX/MSP FLAT			16.33
31 NAR ESSX/MSP MESS			7.05
32 NAR ESSX/MSP MEAS	0	0.00	0.00
33 NAR ESSX/MSP MEAS PLAN	0	0.00	0.00
34 SUB-TOTAL ESSX/MSP NARS			15.83
35 NAR ML/LG FLAT			15.50
36 NAR ML/LG MESS			6.84
37 NAR ML/LG MEAS/VU	0	0.00	0.00
38 NAR ML/LG MEAS PLAN VU			16.96
39 SUB-TOTAL ML/LG NARS			15.25
40 ML/LG NAS LINE	0	0.00	0.00
41 ML/LG NAS TRK	0	0.00	0.00
42 SUB-TOTAL ML/LG NAS	0	0.00	0.00
43 COCOTS-FLAT			27.26
44 COCOTS-MESS	0	0.00	0.00
45 COCOTS-MEAS			29.87
46 COCOTS MEAS PLAN	0	0.00	0.00
47 SMARTLINE FLAT			45.00
48 SMARTLINE USAGE			34.99
49 SUB-TOTAL COCOTS LINES			28.31
50 TOLL TERMINALS			26.41

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A	B	C	D
51 CELLULAR CONNECTIONS	0	0.00	0.00
52 ESSX LINES			9.87
53 MULTISERV PLUS LINES			7.58
54 MULTISERV LINES			26.69
55 MISC. OTHER			29.71
56 TOTAL (INC. ESSX LINES, NO TOLL TERM)			17.34
57 TOTAL (INC. ESSX NARS, W/ TOLL TERM)			17.63
58 RES FLAT HTG			4.99
59 RES MESS HTG			3.70
60 RES MEAS HTG	0	0.00	0.00
61 RES MEAS PLAN HTG	0	0.00	0.00
62 SUB-TOTAL RES HTG			4.92
63 BUS FLAT HTG			8.93
64 BUS MESS HTG			8.67
65 BUS MEAS HTG			7.14
66 BUS MEAS PLAN HTG			9.39
67 SUB-TOTAL BUS HTG			8.88

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Item 5

FLORIDA	Inservice (A)	Out Moves (B)	Disconnects (C)	Avg Loc Life A/(B+C)
	-----	-----	-----	-----
1998				
Residence	4390171	1403114	0	3.75
Business	1483469	460729	0	3.86
PBX Trunks	94314	19311	0	5.86
ML/LG NARs	119713	21838	0	6.58
ESSX NARs	51934	7994	0	7.80
COCOTS	75720	15339	0	5.92

A
STATE: FL DEV. DATE: 12/99

B C D
NO. OF LINES REVENUE AVG. RATES

EXCL OFFICIAL

	NO. OF LINES	REVENUE	AVG. RATES
1. RES 1-PARTY FLAT			9.91
2. RES MULTI-PARTY			0.00
3. RES ISDN (LINES)	0	0.00	0.00
4. RES MESSAGE			52.53
5. RES STD MEAS			7.11
6. RES LOW USE MEAS			6.67
7. RES MEAS PLAN			6.82
8. RES AREA PLUS	0	0.00	0.00
9. RES COMPLETE CHOICE			29.89
10. RES AREA PLUS W/COMP. CHOICE			29.56
11. SUB-TOTAL RES LINES			45.90
12. RES TRUNKS			15.31
13. BUS 1-PARTY FLAT			19.21
14. BUS MULTI-PARTY			27.47
15. BUS ISDN (B-CHANNELS)	0	0.00	0.00
16. BUS MESSAGE			14.79
17. BUS STD MEAS			20.33
18. BUS MEAS PLAN			13.69
19. BUS PLUS	0	0.00	0.00
20. BUS CHOICE			37.04
21. BUS COMPLETE CHOICE			54.05
22. SUB-TOTAL BUS LINES			49.14
23. BUS TRK FLAT			27.86
24. BUS TRK MESS 1ST			46.46
25. BUS TRK MESS ADDL			19.98
26. BUS TRK MEAS			10.00
27. BUS TRK MEAS PLAN			34.44
28. SUB-TOTAL BUS TRUNKS	0	0.00	0.00
29. NAR ESSX-1			40.82
30. NAR ESSX/MSP/CTX FLAT			2.91
31. NAR ESSX/MSP/CTX MESS			13.47
32. NAR ESSX/MSP/CTX MEAS	0	0.00	7.03
33. NAR ESSX/MSP/CTX MEAS PLAN	0	0.00	0.00
34. SUB-TOTAL ESSX/MSP NARS	0	0.00	0.00
35. NAR ML/LG FLAT			13.17
36. NAR ML/LG MESS			16.58
37. NAR ML/LG MEAS VU	0	0.00	6.27
38. NAR ML/LG MEAS PLAN VU	0	0.00	0.00
39. SUB-TOTAL ML/LG NARS			16.96
40. ML/LG NARS LINE & TRK	0	0.00	16.19
41. COCOTS FLAT			0.00
42. COCOTS MESS	0	0.00	27.35
43. COCOTS MEAS	0	0.00	0.00
44. COCOTS MEAS PLAN	0	0.00	29.35
45. SMARTLINE FLAT			0.00
46. SMARTLINE USAGE			45.00
47. SUB-TOTAL COCOTS LINES			34.96
48. TOLL TERMINALS			27.39
49. CTX/ESSX ISDN (B-CHANNELS)			26.22
50. CENTREX LINES			3.48
51. ESSX LINES			11.32
52. MULTISERV PLUS LINES			2.11
53. MULTISERV LINES			5.60
54. MISC. OTHER			7.43
55. TOTAL (INC. ESSX LINES, NO TOLL TERM)			1.65
56. TOTAL (INC. ESSX NARS, W/ TOLL TERM)			9.26
57. RES HUNTING			9.22
58. BUS FLAT HTG			5.25
59. BUS MESS HTG			8.46
60. BUS MEAS HTG			8.57
61. BUS MEAS PLAN HTG			7.47
62. SUB-TOTAL BUS HTG			9.39
			8.47

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FLORIDA	Inservice (A)	Out Moves (B)	Disconnects (C)	Avg Loc Life A/(B+C)
1999				
Residence	4576672	1473317	0	3.11
Business	1628113	513989	0	3.17
PBX Trunks	87787	18319	0	4.79
ML/LG NARs	109160	33631	0	3.25
ESSX NARs	49293	7666	0	6.43
COCOTS	73954	16285	0	4.54

BellSouth Telecommunications. Inc.
FPSC Docket Nos. 981834-TP & 990321-TP
Staff's Third Request For Production
March 13, 2003
Item No. 17 (h) (i)

MANHOLE ENTRANCE PRICES

STATE DISTRICT PRICE
 A B C

1.	FN	Indian River	
2.	FN	Jacksonville	
3.	FN	North Central	
4.	FN	Orlando/Sanford	
5.	FN	Pensacola/Panama	
6.	FS	Broward	
7.	FS	Florida Keys	
8.	FS	North Dade	
9.	FS	Palm Beach	
10.	FS	S. Dade	

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FPSC Docket Nos. 981834-TP & 990321-TP
Staff's Third Request For Production
March 13, 2003
Item No. 17 (h) (ii)

A B C D E F G H I

	Matl	Source	Cost	Note						
	Updated 01/21/03 TEW @ 205-977-0445				01/21/03 Update					
	Physical Collocation - 2 Fiber (Singlemode) Cross Connects								2-Fiber w POT	2-Fiber w/o POT
1.	LGX Bay									
2.	Bay Frwk	Network Planning & Support								
3.	Retainers JR4C9	Network Planning & Support								
4.	Lightguide Kit (2)	Network Planning & Support								
5.	Total Material Price	Network Planning & Support								
6.	Circuit Capacity	Network Planning & Support	324							
7.	Projected Actual Utilization	Network Planning & Support								
8.	LGX Shelf									
9.	Shelf	Network Planning & Support								
10.	Coupler Panel (12)	Network Planning & Support								
11.	SC Coupling (72)	Network Planning & Support								
12.	Total Material Price	Network Planning & Support								
13.	Circuit Capacity	Network Planning & Support	36							
14.	Projected Actual Utilization	Network Planning & Support								
15.	Fiber Cable (2 fiber bldg cable)									
16.	Material Price per foot (\$33.38/100)	Network Planning & Support								
17.	Number Feet	Network Planning & Support								
18.										
19.	Projected Actual Utilization	Network Planning & Support								
20.	SC Plug Price (11.80 ea.) 4 per 2-fiber cable	Network Planning & Support								
21.	Sub total cable & SC plugs									
22.	Factory assembly charge (estimated)									
23.	Total plug eqp'd 2 fiber cable									
24.										
25.	Cable Rack 5" ED4C685 -72									
26.	Material Price per foot	Network Planning & Support								
27.	Number Feet	Network Planning & Support								
28.	2 fiber Circuit Capacity	Network Planning & Support	771							
29.	Projected Actual Utilization	Network Planning & Support								
30.	Fiber Cable (4 fiber bldg cable)									
31.	Material Price per foot (\$55.96/100)	Network Planning & Support								
32.	Number Feet	Network Planning & Support								
33.										
34.	Projected Actual Utilization	Network Planning & Support								
35.	SC Plug Price (11.80 ea.) 8 per 4-fiber cable	Network Planning & Support								
36.	Sub total cable & SC plugs									
37.	Factory assembly charge (estimated)									
38.	Total plug eqp'd 4 fiber cable									
39.										
40.	Cable Rack 5" ED4C685 -72									
41.	Material Price per foot	Network Planning & Support								
42.	Number Feet	Network Planning & Support								
43.	4 fiber Circuit Capacity	Network Planning & Support	730							
44.	Projected Actual Utilization	Network Planning & Support								
45.	Physical Collocation - Fiber POT Bay									
46.	POT Bay									
47.	Material Price	Network Planning & Support								
48.	Circuit Capacity	Network Planning & Support	156							
49.	Projected Actual Utilization									
50.	POT Bay Shelf w/locks									
51.	Shelf (12 ckt, 24 fiber capacity)	Network Planning & Support								
52.	Coupler Panel (1 per 6 fibers, 4 max)	Network Planning & Support								
53.	SC Coupling (1 per fiber, 24 max)	Network Planning & Support								
54.	Projected Actual Utilization									
55.	Excess fiber cable storage shelf	Network Planning & Support			IPM	per 156 ckt POT	or	per 2 fiber ckt		
56.										
57.										
58.	Direct Interconnection Cable Support									
59.	(data provided for computation of cable support cost/linear foot; billing should be based upon installed cable circuit capacity not circuits placed in service)									
60.	DS0									
61.	Cable Rack									
62.	Material Price per foot	Network Planning & Support								
63.	Circuit Capacity	Network Planning & Support	97200							
64.	Projected Actual Utilization				use DS0 xconn					
65.	DS1									
66.	Cable Rack									
67.	Material Price per foot	Network Planning & Support								
68.	Circuit Capacity	Network Planning & Support	10528							

A B C

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Projected Actual Utilization		use DS1 xconn								
DS3										
Cable Rack										
Material Price per foot	Network Planning & Support									
Circuit Capacity	Network Planning & Support	3732								
Projected Actual Utilization		use DS3 xconn								
FIBER Cable Rack (5 inch)										
Material Price per foot	Network Planning & Support									
Circuit Capacity	Network Planning & Support	771								
Projected Actual Utilization										
FIBER Duct										
Material Price per foot	Network Planning & Support									
Circuit Capacity	Network Planning & Support	400								
Projected Actual Utilization										
Note 1: 5" Cable rack material cost										
ED4C685-72 G-1 \$99.60 (rack)										
G-10 \$80.60 (horns)										
G-66 \$8.88 (support detail)										
G-106 \$17.19 (threaded rod)										
\$206.27/9.71' = \$21.24/ft										
Note 2:										
For 2 fiber LGBC OD = .18"										
Assume cable pileup to max of 5"										
Max cables = 5/.18 X 5/.18 = 771										
2 Fiber circuit cap = 771 X 1 = 771										
For 4 fiber LGBC OD = .185"										
Assume cable pileup to max of 5"										
Max cables = 5/.185 X 5/.185 = 730										
4 Fiber circuit cap = 730 X 1 = 730										
Note 3: Fiber Duct Components/60ft run										
10 - 4x4 Straight Duct 6' \$32.97ea										
2 - 4x4 Elbow \$49.31ea										
10 - 4x4 Splice \$1.86ea										
5 - Support Details \$3.23ea										
5 - threaded rod \$17.19ea										
Total per 60ft = \$549.02										
Matl Cost per Foot = \$9.15										
Fiber Patchcord Capacity from ADC catalog										
Assumes 3mm patchcords, 2/ckt										
Note 4: Cable length changed to 300 ft.										
plus 15ft for avg (7.5 ft drop on both ends)										
Note 5: Each fiber within a cable must be										
eqp'd with an SC plug on each end of the										
fiber. Assume a 24 fiber cable will be										
eqp'd with 48 connectors, a 6 fiber cable										
will be eqp'd with 12 connectors, etc..										
Note 6: Avg cable rack lengths calculated										
from recent estimates of actual Physical										
colo arrangements in several FL COs.										
Estimated lengths for virtual										
colo are estimated using the original										
virtual/physical cable rack length ratios										
Cable lengths estimated using cable										
rack lengths plus 7.5 ft. on each end.										

BellSouth Telecommunications, Inc.
FPSC Docket. No. 981834 -TP/990321-TP
Staff's 3rd Request for Production
March 13, 2003
Item No. 17 (j) (i)

MDF Cost Study

1/14/00 Talked with Joe Page and Gerri about doing MDF study.
Do not think "MDF & Protector" numbers from SCIS/MO are appropriate for BLS forward looking and UNE studies.

1/17/00 Talked with Doug Cole about SCIS/MO MDF & Protector numbers

- Doug is planning to use 100% discount (zero cost) MDF & Protector portion of SCIS/MO.
- He will find out if connecting block and tie cable to the switch is included in the MDF & Protector line or in the NTS Switching line.
- Doug says that he has talked to Tom Weber (Switch Capacity Mgr) about MDF. Weber says that he has given frame material to Andrea Hopkins for a collocation study.
- Steve Monion is the person in Supply Chain Mgmt who handles the Lucent contract.
- Kermit Simerson (GTE Supply) handles orders for protectors

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1/18/00

Talked to Kermit Simerson (GTE Supply)
Gave him part numbers for connectors
and protectors used in 1997 UNE
studies.

- Kermit says connectors are probably ordered through "TEO" orders and not through CAPRI. Protectors for ongoing maintenance are ordered through GTE supply.
- He will get prices if they are in CAPRI

1/18/00

Kermit Simerson e-mailed a spreadsheet showing CAPRI prices for connectors and protectors.

- There have been no (0) connectors ordered through CAPRI.

1/19/00

Talked with Chat White about UNE ports that need MAF termination:

- 2w & 4w Analog ports
- 2w ISDN port
- 2w Analog Line Port (Coin)

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1/20/00 Doug Cote called to verify that Connecting Block and Tie Cable to Switch is included in the NTS Switching line on the SCIS/MO Line Termination Report.

1/20/00 Talked to Wayne Levy about types of terminations at the MDF.

1/21/00 Talked to Tom Weber - He said J.P. Mallon would be better source of info.

1/29/00 - Talked to J.P. Mallon about how various types of services are terminated on the MDF but did not have a source for the specific types of framework, connectors/protectors or connecting blocks used.

1/24/00 Talked to Jim Lowrey to see if he has a source for MDF parts usage - He referred me to Amelia Weed

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1/24/00 Anelia Weed said she had general knowledge of distributing frame matters, but Jeroldine Banks in Miami was an MDF expert.

1/25/00 Extended conversation with Terri Banks.

- Referred to RL 9807001
- No new COSMIC MDF frames should be added
- We may add to existing COSMIC frames if necessary.
- She faxed me info on COSMIC frames
- She also faxed an AT&T practice on conventional frames.
- She said 11'-6" conventional frame is the preferred MDF for frame replacement if space allows.

1/26/00 Talked to Tom Waker in South Capacity Plant.

- He said forward looking MDF frame would be 11'-6" double sided conventional distributing frame - at least in the larger offices with sufficient growth growth space and ceiling height.
- He looked in a computer program and found that a 6 vertical assembly of frame work from Lucent -

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A

1. is ED-6C736-30, 66 with a material
2. price of
3. - He also said that it is appropriate
4. to add 10% of that material price
5. to account for wire distributing rings,
6. designation boards and other misc
7. mounting material.
8. - Use 85% as the projected actual
9. fill for the frame works as well
10. as the connector and connecting
11. blocks.
12. - Use 85% fill for protectors as well
13. because sufficient protectors are
14. ordered to fill the connectors but
15. not installed until the loops are put
16. in service. Any not installed initially
17. are retained for spare.

- 1/28/00
- Talked to Jerry Banks.
- She said that distributing frame is generally provided by Lucent, but sometimes connectors, ~~protectors~~, and connecting blocks are supplied by Siccov. Protectors are generally supplied by GTE Supply.
 - She asked me to call Tim Miller is Supply Chain Mgmt to get prices. He might direct me to call someone in Siccov sales to get current prices.

- 2/1/00 Andrea Hopkins says that the MDF connecting block and tie-cable that connects the CLEC POT to the MDF is included in the Collocation UNEs.
- She says that the DSX panel ties directly to the CLEC POT for connecting DSL loops to the CLEC. DSLs only go to the MDF when they are on copper entrance cable and must be protected.
- 2/3/ talked to Charlie Ferris in Network Support
- He confirmed that for copper non-switched DSL UNE Loops and copper non-switched DSL Combos, the copper pairs come 1st to the MDF to a Connector/Protector - then cross connect to a Connecting Block and tie-cable to a DSX panel. From the DSX panel the pairs tie directly to a corresponding DSX panel at the CLEC collocation space (CLEC POT) or to a DSX panel serving our IOP facilities
 - He says to check with Bill McAllister about the part numbers and maybe prices for the connectors, protectors and connecting blocks.
- 2/3 Exchanged voice mails with Bill McAllister. His message said he does not deal with MDF material and does not have any prices.

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- 2/1. Talked to Tim Miller in Supply Chain Mgmt.
- Tim said distributing frames, connectors, protectors, etc. are ordered as misc material through the "Modeling" process. He does not have information on this type of Material.
 - He suggested that I call Dave Woodrume for this information

- 2/4 Talked to Dave Woodrume in Supply Chain Mgmt.
- Dave pulled prices from a system called "BellSouth/Turf Vendor Central Office Installation Activity Drivers"
 - This system had prices for "Terminal Strips and Wiring Blocks" (89 Type Connecting Blocks) and "300 and 400 type blocks" (including 310 and 410) and increments for stub lengths.
 - BellSouth pays single prices for each item in the group rather than individual prices for each different part.

- 2/4 Finalized spreadsheets using Conventional Framework prices from Tom Weber; Connector and Connecting Block prices from Dave Woodrume and Protector prices from Kermit Sincovari.

2/4 Provided simplified circuit drawings for the various types of UNEs to July Cobb for inclusion in the documentation package.

2/7 Provided preliminary spreadsheets with MDF material prices for each type of UNE to Joe Page for his review.

2/11 Meeting with Cost Matters analysts
- Need to meld MDF costs for Copper vs. Fiber
- Show protector utilization as 100% (except plug)
- Check to see if connecting blocks, etc. are included in "In-Plant" factor. - No

2/11 Meeting with Don Stinson (No-work)
- Don says almost all offices have a TMDF in addition to the MDF
- Most services cross-connect to CLEC of TMDF
- Need to redraw most slides.

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2/16 Talked with Tom Weber
- Weber says that the TMDF frame arrangement described by Stinson is not "Forward-Looking".
Forward-Looking is one frame MDF with no TMDF (except in very large, multi-floor offices) - but this is not the typical forward-looking office arrangement.

2/21 Discussion with Arlene Erickson about melting loops to account for mix between copper and fiber plant. Also discussed differences in C.O. connections depending on whether loops enter C.O. on copper or fiber plant and whether loops are stand alone or switched. Arlene will send an e-mail with further information and preliminary melting data.

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file code: 220.5100
subject: Distributing Frame Provisioning Guidelines
type: Application Guidelines
date: August 26, 1998
distribution list: NE1, CE1, CE2, ND0, ND1, ND3, ND5, NT1, TR1
related letters: None
other: replaces : RL 87-12-001SV
to: Network Vice Presidents - Operations
Network Vice President - Infrastructure Planning
entities: BellSouth
from: Network Vice President - Planning & Provisioning Support
Network Vice President - Operations Support
description: Planning and provisioning of distributing frames in the
BellSouth region.

* * *

This letter provides regional recommendations to assist Network Operations with distributing frame (DF) planning and provisioning. Basic guidelines and considerations are included which will assist Capacity Management and Central Office Operations with DF selection, expansion and replacement decisions. All statements are intended as recommendations and should not be perceived as absolutes.

I. COSMIC Frames

No additional COSMIC or ESS Modular frames shall be installed in the BellSouth region. Replacement of these frames with conventional frames should always be considered in conjunction with switch replacements based on the following: (Reference RL 94-04-023BT)

1. The existing TMDF (Trunk Main Distributing Frame) is the most appropriate device to receive reterminations when a Modular or COSMIC frame is replaced. Consolidation of all terminations at the TMDF eliminates tie pair administration and reduces frame operations to one administrative area in the central office.
2. All COSMIC I and ESS Modular systems have separate protector frames for mounting cable connectors. Conventional frames are structured so that connectors can be mounted as an integral part of the frame, thus conserving floor space
3. High frequency equipment (DLC-NGDLC) should not be terminated on the COSMIC I and ESS Modular frame.
4. The expected labor savings from use of single-sided frames have not materialized because of emphasis on the CT-LEN/ Quick Service program and loop integration into the digital switch
5. Floor space is reclaimed when COSMIC frames are replaced by conventional frames. The loaded cost of floor space per square foot is approximately \$200.00
6. Conventional frames are more flexible than COSMIC frames because they are capable of handling all non fiber terminations.
7. The administration of tie pairs results in additional costs that must be considered. Retermination from a COSMIC to a single Conventional Frame would eliminate tie pairs and the following cost affecting items:
 - a. tie pair material (framework, cable, cross-connect wire terminal blocks, engineering, etc.)
 - b. tie pair record administration
 - c. . cross-connect labor
 - d. manual assignment administration where mechanized programs cannot process tie pairs.
8. Each addition, removal, or change to a COSMIC frame requires a MELD run. Some MELD costs incurred are:

- a. Telco engineering labor
- b. Lucent engineering labor
- c. computer run time
- d. output documents and cable running lists
- e. strap cabling from protector frames to facility mods
- f. administration of MELD records.

NOTE: MELD runs are not required for conventional distributing frames.

II. Conventional Frames

Most offices in the BellSouth region are terminated on conventional frames, which continue to be the most flexible of all termination devices. The first consideration of DF planning should be the reuse of conventional frames when a switch replacement is scheduled. The conventional frame can be expanded to any length within the confines of available floor space. It can be reduced in size when large quantities of terminations are removed.

1. C50 and C300 connectors should be replaced with currently approved high density connectors equipped with solid state protectors.
2. One goal of the frame plan is to derive the shortest, most efficient frame and spend the least cost during switch conversions. It is normally not necessary to reterminate exchange cables when reusing a small CDF (Combined Distributing Frame) (1 -40 verticals). The benefits of rearranging a medium size distributing frame (41-80 verticals) must be weighed against the cost for reterminations.
3. Planned reuse of large frames (greater than 80 verticals) should become a higher priority for retermination efforts due to the administrative penalties of long frames. The recommended arrangement includes the following:
 - terminate the new switch equipment at the growth end of the frame
 - reterminate all existing cable from the non-growth to the growth end using high density blocks
 - remove excess unused verticals from the opposite end of the frame.

This arrangement normally reduces the frame length and increases overall

administrative efficiency.

4. In offices with existing tall frames it is recommended that horizontal shelves above "K" and below "D" be dedicated to equipment terminations that require low churn cross connects. Another application is the designation of higher numbered shelves as Subscriber Digital Distributing Frame (SDDF) horizontal shelves, and an appropriate quantity of verticals designated as SDDF verticals. Provisions of a functional SDDF within the CDF would satisfy the concept of a one-frame system.
5. If a new frame is required it is recommended that an 11'8" frame be installed when feasible. Horizontal shelves above K" and below D" on these type frames should be dedicated to low churn equipment terminations
6. The termination of non-switched items has been exhausting frame space much earlier than anticipated. Two of the major contributors are universal DLC/NGDLC loop systems and SMAS termination points. To help alleviate this situation, all future Universal DLC/NGDLC system should be terminated on the highest density connector available and the unitized SMAS should be used where applicable.
7. The standard terminal block for distributing frames is the 89 type block and it is provided by various approved vendors in both standard and connectorized versions.
8. A thorough investigation should be made of all distributing frames in an office prior to switch replacement so that all spare blocks and spare equipment may be removed. It is important for all unused blocks to be removed so that frame personnel will have less difficulty locating active equipment terminations.
9. Zoning is a preferred practice for BellSouth distributing frames. Reference RL: 98-07-002BT.

III. Unapproved Frames

The following frame types should not be considered:

A. Hybrid

1. Hybrid frames require more horizontal space than conventional frames.
2. Approximately 50 percent of the vertical side of a Hybrid frame is unused.

B. CODS II

No Variance for new CODS II Installations will be allowed.

C. COSMIC2 FLEX

D. Any other type of DF not specifically approved for use within BellSouth

IV. Miscellaneous distributing frame Items.

- 1. A frame plan is required for each central office. The plan should include masks that determine placement of equipment on the frame. It is imperative that anyone assigning terminal blocks to a distributing frame adhere strictly to assignments in the official frame plan. Any proposed variance from the plan should be negotiated with the author of the plan**
- 2. It is a responsibility of the Switch Capacity Manager and/or the Circuit Capacity Manager to complete all MELD questionnaires (E-8196A) for equipment being terminated on a COSMIC DF.**
- 3. The capacity manager should include in his estimate the cost of distributing frame wire that is required on additions (for load balancing) and cutovers. Estimate jumper wire requirements by multiplying the average jumper length for the frame by 25% of OE's added on additions and 100% of OE's on cutovers. It is a responsibility of the central office personnel to place orders on local BellSouth warehouses for the proper quantity and type of jumper wire.**
- 4. Additional distributing frame guidelines are found in the following documents:**

Distributing Frame Planning and Engineering Guidelines (DFPEG)

DF PEG - Planning	BR 781-822-005
DF System	BR 781-822-010
Impact of Digital Technology	BR 781-822-020
DF Comprehensive Plan	BR 781-822-020
Long Range Planning	BR 781-822-023
Short Range Planning	BR 781-822-027
Feasibility Evaluation of Alternatives	BR 781-822-042
Economic Evaluation of Alternatives	BR 781-922-044

Frame Force Sizing	BR 781-822-050
Sample DF Planning Study	BR 781-822-052

Data Sources	BR 781-822-054
Computational Procedures	BR 781-822-061

DF PEG Engineering	
DF Types	BR 781-824-010
DF Networks	BR 781-824-011
Layout and Assignment	BR 781-824-012
Special Operations	BR 781-824-013
DF Terminations	BR 781-824-014

Questions regarding this matter may be referred to Tom Weber at 205-321-8113 or Jeraldine Banks at 305-622-6588.

R. P. Grieco
Network Vice President
Planning & Provisioning Support

H.W. Hay
Network Vice President
Operations Support

Handwritten scribbles or marks in the top left corner.

1. 2. 3.

Page 30

2000-01-01

	BellSouth Central Office Driver Pricing						
	A		B		C	D	E
	ENGINEERING	INSTALLATION	MATL.				
	FIRST	EA. ADD.	FIRST	EA. ADD.	EACH		
1 Assemble and Mount Bay or Cabinet							
2 Install Shelf or Unit in Bay							
3 Misc. Fuse termination - max length 30'							
Office and Local Alarms							
Remote Alarms - X.25, T80S, Discrete and Broadband							
6 Alarm Acceptance and Testing							
7 Miscellaneous Leads (Ruv/Connect) - max length 125 ft.							
8 Multiple Miscellaneous Leads (Ruv/Connect)							
9 Fiber Jumpers (Include Connectors One Pair (Xmt/Rev) Pair) - max length 125 ft.							
10 Fiber Cross-Connect Jumpers ((Xmt/Rev) Pair) - max length 30 ft.							
11 Fiber Duct added to existing line-up							
12 DS3/STS-1 (Ntwk Element to DSX-3) 1 ckts - max length 150ft.							
13 DS3/STS-1 (Ntwk Element to DSX-3) 6 ckts - max length 150 ft.							
14 DS3/STS-1 (Ntwk Element to DSX-3) 12 ckts - max length 150 ft.							
15 FUTURE - DS3/STS-1 (Ntwk Element to DSX-3) 24 ckts.							
16 DS1/VT1.8 (Ntwk Element to DSX-1 Non-Connectorized) 28 ckts - max length 150 ft.							
17 Connectorized DS1/VT1.8 (ntwk Element to DSX-1) 28 ckts - max length 150 ft.							
18 Connectorized DS1/VT1.8 (Ntwk Element to DSX-1) (Non-Amph, Non-710 Conn.) 28 ckts - max length 150							
19 DSO (Ntwk Element to DF 25 Pair Connectorized) - max length 200 ft.							
20 DSO (Ntwk Element to DF 100 Pair Connectorized) - max length 200 ft.							
21 Plugs and Circuit Packs - Handle, Warehouse, Deliver, verify							
22 Modules / Straps / Hardware Warehouse, deliver, handle, verify							
23 Power Per Load (BDFB) 1 - 15 amps - max length 150 ft.							
24 Power Per Load (BDFB) 16 - 30 amps - max length 150 ft.							
25 Power Per Load (BDFB) 31 - 45 amps - max length 150 ft.							
26 Power Per Load - Inter bay power - max length 125 ft.							
27 Power Per Load (Connectorized Power Cable Assemblies) - max length 30 ft.							
28 Timing Cable Per Pair - max length 200 ft.							
Multiple Cable Within Same Bay							
30 Fuse Panel (Mat'l only)							
31 Furnish Bay (All Types)(Mat'l only)							
32 Cabinets (Mat'l only)							
33 Terminal Strips and Wiring Blocks							
34 Seismic bay (Mat'l only)							
35 100 Foot stub							
36 200 Foot stub							
37 300 Foot stub							
38 500 Foot stub							
39 Seismic end guard							
40 Seismic bay extender							
41 Engineering costs - to cover additional detailed Engr. costs							
42 Installation costs - to cover additional Inatl. costs							
43 Open and close cable hole							
44 300 and 400 type blocks - (300, 310, 400) material difference from 89 type							
45 Excessive cable lengths - D80, DS1 and DS3 - max length in 200 ft. increments		25% of 1st cost		40% of 1st cost		45% mat'l	
46 OEM provided cable assembly cost for intra bay cabling - installation costs only							
47 OEM provided cable assembly cost for inter bay cabling - installation costs only							
48 DSO (Ntwk Element to DF 25 Pair Non-Connectorized both ends) - max length 200 ft.							
49 DSO (Ntwk Element to DF 100 Pair Non-Connectorized both ends) - max length 200 ft.							

From the Warehouse Supply Chain Mgmt 2/9/00
 All prices shown are current.
 Use Protector prices from GTE supply

NOTICE
 Not for use or disclosure
 outside of BellSouth or any
 of its subsidiaries except
 under written agreement

RICH TEXT
Subject: Protectors & Connectors
Creator: Kermit Simerson /m3.mail3a

Dated: 1/18/00 at 12:42
Size: 970 bytes

Gary.

Attached is the information on the protectors and connectors. Call me if you have any questions.

Kermit Simerson

404-420-6016

Usage on connectors is shown as "0" since 1996.
These items are ordered through "TEO" orders,
rather than through CAPRI system.

Must get connector prices through "Supply Chain Mgmt."

PRIVATE/PROPRIETARY

Contains Private and/or Proprietary Information.
May not be used or Disclosed Outside The BellSouth Companies
Except Pursuant to a Written Agreement.

A	B
PID	DESCRIPTION
1. 152005047	BLOCK CONN 24GA 50' 311A1-100
2. 152008405	PROTECTOR UNIT SS 4B1FS BK
3. 121006126	BLOCK CONN STUBLESS 310E1
4. 103626016	PROTECTOR UNIT CARBON 4B12C

C	D
PRICE	UNIT
	EA
	EA
	EA
	EA

→ Continuity Plug
(no protection)

NOTICE
 Not for use or disclosure
 outside of BellSouth or any
 of its subsidiaries except
 under written agreement

BellSouth Telecommunications, Inc.
FPSC Docket Nos. 981834-TP & 990321-TP
Staff's Third Request For Production
March 13, 2003
Item No. 21

PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
 Prime Contract No.:
 Prime Asbestos WBS No.: 440019-91290
 BellSouth Work Request No.: 021202051639
 Environmental Coordinator: Don Pippin
 Prime Task Manager: NA

SCOPE OF WORK

- 1. **BellSouth Facility:** E842A
- 2. **Project Name:** Margate ESS-Lead Paint Sampling **Project Contact:**
- 3. **Scope of Work:**
- 4. Provide lead paint survey and sampling services as required to identify suspect lead-containing paint that may be
- 5. impacted by planned construction activities.
- 6. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable regulations and
- 7. BellSouth policies and protocols. An electronic submission of survey findings is to be forwarded to Parsons within 2
- 8. weeks of on-site activities. Homogeneous area photographs (if permitted), floor plan sketches of the project area,
- 9. laboratory data sheets, and sample logs will be submitted in hard copy to Parsons within the same timeframe.
- 10. **Clarifications:**

11. **Period of Performance:** Project Start Date - 12/9/2002 **Submittal Due Date - 12/23/2002**

WORK ORDER COMPENSATION AMOUNT

- 12. Prime Contractor shall pay Subconsultant a _____ as compensation for subconsultant
- 13. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set
- 14. forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the
- 15. Master Agreement referenced above, the Subconsultant shall furnish all necessary facilities, materials and
- 16. professional, technical and supporting personnel required by this Work Order.
- 17. **Final Payment:**
- 18. *Subconsultant shall submit an invoice for final payment within 60 calendar days after completion of all Services,*
- 19. *including submittal of all deliverables. Failure of Subconsultant to submit an invoice for final payment within 60*
- 20. *calendar days may result in closing of financial accounts related to this Work Order and non-payment of the final*
- 21. *invoice.*

PARSONS

APPROVED:

By: Don Pippin

Name (printed): Don Pippin

Title: Environmental Coordinator

Date: 12-10-02

CC: CT:

ym
12.10.02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: <u>B0420</u> Prime Asbestos WBS No.: <u>440019-91290</u> BellSouth Work Request No.: <u>021202051639</u> Environmental Coordinator: <u>Don Pippin</u> Prime Task Manager: <u>NA</u>	1:21 RCVD
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SCOPE OF WORK

1. **BellSouth Facility:** E8428 Margate Central Office, 1180 Banks Rd., Margate, FL 33063
2. **Project Name:** Margate ESS-Lead Paint Sampling Project Contact:
3. **Scope of Work:** Provide abatement air monitoring and construction surveillance services during abatement of
4. 425 sf of lead-containing beige paint from the main equipment room.
5. Asbestos and/or lead air monitoring and construction surveillance services are to be performed in accordance
6. with applicable regulations and Bellsouth policies. Upon completion of removal activities, the Consultant will
7. post clearance data at the project site. In addition, the Consultant will forward a re-occupancy letter to Parsons
8. within one work day. A final asbestos abatement report with air monitoring data is to be forwarded to Parsons
9. within 2 weeks after completion of on-site activities.
10. **Clarifications:**
11. **Period of Performance:** Project Start Date - 2/3/2003 Submittal Due Date - 2/17/2003

WORK ORDER COMPENSATION AMOUNT

12. Prime Contractor shall pay Subconsultant a _____ as compensation for
13. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
14. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
15. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
16. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
17. technical and supporting personnel required by this Work Order.
18. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
19. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
20. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
21. Work Order and non-payment of the final invoice.

<p style="text-align: center;">PARSONS</p> APPROVED: By: <u>Don Pippin</u> Name (printed): <u>Don Pippin</u> Title: <u>Environmental Coordinator</u> Date: <u>1/27/03</u>	1 1 E
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Handwritten initials and date: m 02/03

WORK ORDER AUTHORIZATION



PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
 Prime Contract No.: B0420
 Prime Asbestos WBS No.: 440019-91290
 BellSouth Work Request No.: 021202051639
 Environmental Coordinator: Don Pippin
 Prime Task Manager: NA

SCOPE OF WORK

- 1. **BellSouth Facility:** E8428 Margate Central Office, 1180 Banks Rd., Margate, FL 33063
- 2. **Project Name:** Margate BSS-Lead Paint Sampling Project Contact:
- 3. **Scope of Work:** Provide abatement air monitoring and construction surveillance services for one additional day of abatement of 425 sf of lead-containing beige paint from the main equipment room.
- 4.
- 5. Asbestos and/or lead air monitoring and construction surveillance services are to be performed in accordance with applicable regulations and BellSouth policies. Upon completion of removal activities, the Consultant will post clearance data at the project site. In addition, the Consultant will forward a re-occupancy letter to Parsons within one work day. A final asbestos abatement report with air monitoring data is to be forwarded to Parsons within 2 weeks after completion of on-site activities.
- 6.
- 7.
- 8.
- 9.
- 10. **Clarifications:**
- 11.

12. **Period of Performance:** Project Start Date - 2/3/2003 Submittal Due Date - 2/17/2003

WORK ORDER COMPENSATION AMOUNT

- 13. Prime Contractor shall pay Subconsultant a _____ as compensation for
- 14. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
- 15. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
- 16. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
- 17. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
- 18. technical and supporting personnel required by this Work Order.
- 19. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
- 20. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
- 21. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
- 22. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Don Pippin

Name (printed): Don Pippin

Title: Environmental Coordinator

Date: 2/25/03

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1/275 03

PROPRIETARY

INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO. 7
DATE: 12/11/02

AUTHORIZED BY:
MR. DON PIPPIN

MASTER AGREEMENT #: 730975-50033-01 113
WORK REQUEST/ORDER NO.: 021202051639 / 440019-80013
BUILDING NAME/GLC #: MARGATE ESS / E8428
PARSONS PROJECT #: 440019-91290

LEAD-BASED PAINT CONSULTING SERVICES

MARGATE ESS - LEAD-BASED PAINT SAMPLING
1180 BANKS ROAD, COCONUT CREEK, FLORIDA 33066

A B C D

- 1. 12/06/2002 FIELD SURVEY/SAMPLING
- 2. 12/10/2002 COMPILATION OF REPORT
- 3. SUB TOTAL
- 4. SUB TOTAL
- 5. ANALYSIS OF
- 6. MILAGE
- 7. AMOUNT DUE

Approved for Payment *Don Pippin* 12/11/02

PLEASE CONTACT B... QUESTIONS
TERMS: AS PER CONTRACT

PROPRIETARY

12.12



INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC. INVOICE NO
61 ST. JOSEPH STREET, SUITE 1300 DATE:
MOBILE, ALABAMA 36602

AUTHORIZED BY:
MR. DON PIPPIN

MASTER AGREEMENT #: 730975-50033-02
WORK REQUEST/ORDER NO.: 021202051639 / 440019-80113
BUILDING NAME/GLC #: PMBH MARGATE CO / E8428
PARSONS PROJECT #: 440019-91290

LEAD-BASED PAINT CONSULTING SERVICES

PMBH MARGATE CO - 1st FLOOR EQUIPMENT ROOM, NE STORAGE
ROOM/MANAGER'S OFFICE, 1180 BANKS ROADS, COCONUT CREEK, FL

Table with columns A, B, C, D, E, F and rows 1-13 detailing project dates and services like PROJECT/AIR MONITORING and PREPARATION OF REPORT.

PLEASE CONTACT INVOICE QUESTIONS

TERMS: AS PER CONTRACT

Handwritten signature and date 2/24/03

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209



01-31-03A11:2

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: B0420
Prime Asbestos WBS No.: 440019-91290
BellSouth Work Request No.: 021202051639
Environmental Coordinator: Don Pippin
Prime Task Manager: NA

RCVD

SCOPE OF WORK

BellSouth Facility: E8428

Project Name: Margate ESS-Lead Paint Sampling

Project Contact

Scope of Work:

Provide lead based paint abatement services as necessary to remove 425 sf of lead containing beige paint from the main equipment room.

Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties seven (7) working days prior to removal operations. Provide notification of removal operations to BellSouth and the USEPA or designee in accordance with required timelines. Both the notification and MOP will be posted at the site in accordance with BellSouth policy. Lead based paint abatement services will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide close-out documentation to Parsons (one copy) no later than 35 days after completion of removal operations.

Clarifications:

Period of Performance: Project Start Date - 2/3/2003

Submittal Due Date - 3/24/2003

WORK ORDER COMPENSATION AMOUNT

Prime Contractor shall pay Subcontractor a _____ as compensation for Subcontractor services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting personnel required by this Work Order.

Final Payment:

Subcontractor shall submit an invoice for final payment within 60 calendar days after completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an invoice for final payment within 60 calendar days may result in closing of financial accounts related to this Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: _____

Name (printed): Greg Moringer

Title: Deputy Environmental Program Manag

Date: 1/27/03

CC: 708 CT: 61

PROPRIETARY

REQUISITION FOR PAYMENT NO: 1

February 26, 2003

TO: PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.
 61 St. Joseph Street
 Suite 1300
 Mobile, Alabama 36602
 Attn.: Accounts Payable

PROJECT: Lead Abatement
BELLSOUTH - Margarete CO • GLC # E8428
 1180 Banks Road
 Coconut Creek, Florida
 Work Order No: 440019-90106
 Master Agreement No.: 730975-50016-01
 Prime Contract No.: B04020
 Parsons Asbestos WBS No.: 440019-91290
 BellSouth Work Request No.: 021202051639

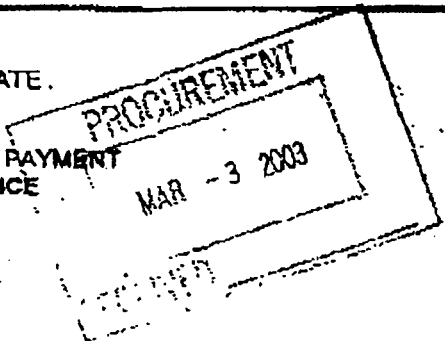
3-03-03P06:17 RCVD

Scope of Work: Scrape loose peeling (only) lead pain from three (3) items in two (2) areas. N/E door and south wall of equipment room (beige paint) and S/E door of building (white paint).
 Construct work area containment consisting of lead danger signs, one layer of six mil poly on critical barrier walls, and ceiling and minimum of three-stage wet decon unit. Remove materials using water and manual methods.

Start Date: 2/3/2003

Completion Date: 2/7/2003

	A	B	C	D
	Unit Cost Description	NESHAPS	Total Units	Total Cost
1.	Mobilizations			
2.	< or = 60 mile radius			
3.	Decontamination Unit Fees			
4.	1 Stage Poly Decon			
5.	Asbestos Abatement Unit			
6.	Scaffolding (for access to height in excess of 10')			
7.	Anti-Static Poly - one roll			
8.	Lead - on block wall - Remove loose-peeling			
9.	paint only			
10.	Total Proposal Amount			
E				
11.	CONTRACT SUM TO DATE			
12.	VALUE OF WORK PERFORMED TO DATE.			
13.	RETAINAGE: 0% of Completed Work			
14.	TOTAL EARNED LESS RETAINAGE			
15.	LESS PREVIOUS CERTIFICATES FOR PAYMENT			
	TOTAL REQUESTED THIS INVOICE			



Approved for Payment
[Signature]
 3/6/03

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons Infrastructure & Technology Group, Inc.
4701 Hedgemore Drive
Charlotte, NC 28209

10

Client Name: BellSouth Telecommunications, Inc.

Prime Contract No.: BG0420

Prime WBS No.: 739301-10231

BellSouth Work Request No.: 010124777373

Asbestos Coordinator: Bill Parker

Prime Task Manager: A. Ouattrocchi

SCOPE OF WORK

1. BellSouth Facility: GLC# 33022 Eau Gallie Bowe Gardens, Melbourne, FL

2. Project Name: Building Addition Project Contact:

3. Scope of Work: Provide asbestos survey and sampling services in the basement boiler room, 1st floor
4. mechanical room, 2nd floor stairwell and other interface areas as required to identify suspect asbestos-
5. containing materials that may be impacted by planned building expansion activities.

6. Asbestos survey and sampling services are to be performed in accordance with applicable BellSouth
7. policies and protocols.

8. An electronic submission of survey findings is to be forwarded to F within 2 weeks of on-site
9. activities. Homogeneous area photographs (if permitted), floor plan sketches of the project area,
10. laboratory data sheets, and sample logs will be submitted in hard copy to Parsons within the same
11. timeframe.

12. Period of Performance: Project Start Date 03/07/01 Submittal Due Date 04/30/01

WORK ORDER COMPENSATION AMOUNT

13. Prime Contractor shall pay Subconsultant a
14. compensation for Subconsultant services performed pursuant to this work Order. Work Order Compensation
15. shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order.
16. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby
17. agrees to perform the work as described. The Subconsultant shall furnish all necessary facilities, materials and
18. professional, technical and supporting personnel required by this Work Order.

PARSONS INFRASTRUCTURE & TECHNOLOGY
GROUP, INC.

APPROVED:

By: 

Name (printed): Chris Ridgway

Title: Asbestos Coordinator

Date: 3/29/01

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
 Prime Contract No.: B0420
 Prime Asbestos WBS No.: 739301-10231
 BellSouth Work Request No.: 010124777373
 Environmental Coordinator: Dennis Porche
 Prime Task Manager: Augustine Quatrocchi

SCOPE OF WORK

1 **BellSouth Facility:** 33022 Bowe Gardens ESS, 1750 Croton Rd., Melbourne, FL 32935
 2 **Project Name:** Bldg. Addition **Project Contact:** Olice Williams
 3 **Scope of Work:** To cover the additional cost incurred to conduct a lead survey on 2/27/01.
 4 Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
 5 regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
 6 forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
 7 permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
 8 submitted in hard copy to Parsons within the same timeframe.
 9 **Clarifications:**

10 **Period of Performance:** Project Start Date - 02/27/2001 Submittal Due Date - 03/13/2001

WORK ORDER COMPENSATION AMOUNT

11 Prime Contractor shall pay Subconsultant a _____ as compensation for
 12 Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
 13 accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
 14 Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
 15 the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
 16 technical and supporting personnel required by this Work Order.
 17 **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
 18 completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
 19 invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
 20 Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: D. Porche

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 9-20-02

PROPRIETARY

WORK ORDER #

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: B0420
Prime Asbestos WBS No.: 739301-10231
BellSouth Work Request No.: 010124777373
Environmental Coordinator: Dennis Porche
Prime Task Manager: Augustine Quatrocchi

SCOPE OF WORK

1 BellSouth Facility: 33022 Bowe Gardens ESS, 1750 Croton Rd., Melbourne, FL 32935

2 Project Name: Bldg. Addition Project Contact:

3 Scope of Work: Provide asbestos survey and sampling services as required to identify suspect
4 asbestos-containing materials that may be impacted by planned construction activities. Phase II of the
5 survey is for the additional sampling of brick mastic discovered by J. F. T. Coordination is to
6 be done with:

7 Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
8 regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
9 forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
10 permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
11 submitted in hard copy to Parsons within the same timeframe.

12 Clarifications:

13 Period of Performance: Project Start Date - 10/04/2002

Submittal Due Date - 10/18/2002

WORK ORDER COMPENSATION AMOUNT

14 Prime Contractor shall pay Subconsultant a _____ as compensation for
15 Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
16 accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
17 Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
18 the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
19 technical and supporting personnel required by this Work Order.

20 Final Payment: Subconsultant shall submit an invoice for final payment within 60 calendar days after
21 completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
22 invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
23 Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: D. B. Porche

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 10/7/02

PROPRIETARY

11/25/2002 1

PARSONS

revised 06/22/02

WORK ORDER A

PRIME CONTRACTOR:

Parsons
4701 Hodgmore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: B0420
Prime Asbestos WBS No.: 739301-10231
BellSouth Work Request No.: 010124777373
Environmental Coordinator: Larry Patsman
Prime Task Manager: Augustine Quattrocchi

SCOPE OF WORK

BellSouth Facility: 33022 Eau Gallie Bowe Gardens CO, 1750 Crown Ave., Melbourne, FL 32935

Project Name: Building Addition

Project Contact:

Scope of Work: Provide asbestos and lead paint monitoring and construction surveillance services for removal of CMU walls with lead paint, asbestos roof tar, asbestos floor tile & mastic, generator cabinet insulation, and white ACM mastic. The estimate is based on three phases of abatement and approx. 13 days of on-site monitoring. Services to include collection and analysis of lead wipe samples, lead and asbestos air samples, and TCLP of waste.

Asbestos and lead air monitoring and construction surveillance services are to be performed in accordance with applicable regulations and BellSouth policies and protocols. Upon completion of removal activities the Consultant will post clearance data at the project site. In addition, the Consultant will forward a occupancy letter to Parsons within one work day. A final asbestos/lead abatement report is to be forwarded to Parsons within 2 weeks after completion of on-site activities.

Classification:

Period of Performance: Project Start Date - 11/25/02

Submittal Due Date - 1/31/03

WORK ORDER COMPENSATION AMOUNT

Prime Contractor shall pay Subcontractor a compensation for Subcontractor services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting personnel required by this Work Order.

Final Payment: Subcontractor shall submit an invoice for final payment within 60 calendar days after completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an invoice for final payment within 60 calendar days may result in closing of financial accounts related to this Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: 

Name (printed): John Zabel

Title: Lead Subcontract Administrator

Date: 11/25/02

Billing Through 03/16/01

Project #
Project Site # 1276966

Parsons Engineering Science, I
ATTN: Accounts Payable
4701 Hedgemore Drive
Charolette, NC 28209
US

Page
Date
Client #
Invoice #
PM Loc
Proj Mgr

Account Notes:

Parsons/Bowe Gardens
GLC# 33022 *737301 - 80011*
Work Order # ~~230975-50003-00~~

Cost Cd	Cost Cd Description	Date	Units	Rate	Amount
---------	---------------------	------	-------	------	--------

Cost Cd	Cost Cd Description	Date	Units	Rate	Amount
01					
0100					
010000	A	B	C	D	E
01000000	Bowe Garden Pre-Con Surv				
	Labor Reg Home Off				
		L044			
		02/08/01			1.
		02/28/01			2.
		L167			
		03/02/01			3.
		03/16/01			4.
		L056			
		02/23/01			5.
		03/02/01			6.
		03/16/01			7.
		L155			
		02/23/01			8.
		L052			
		02/16/01			9.
	Other Out Serv				
	Citibank				
	NEXTEL2-WIRELESS SVC-VANNAIS	02/16/01			10.
	NEXTEL2-TAX, FEE, ASSESS-VANNA	02/16/01			11.
	IATL				
	1230755	02/28/01			12.
	TOTAL FOR Bowe Garden Pre-Con Sur				13.
	Sub Total:				14.
	Total Fee:				15.

Approved for payment
Chick
3/30/01

PROPRIETARY

WJ

Billing Through 03/16/01.

Project #
Project Site # 1276966

Parsons Engineering Science, I
ATTN: Accounts Payable
4701 Hedgemore Drive
Charolette, NC 28209
US

Page
Date
Client #
Invoice #
PM Loc
Proj Mgr
Rate

Cost Cd	Cost Cd Description	Date	Units
	1.		Total Taxable Amount:
	2.		Total Tax
	3.	Total For:	***** This Invoice *****

B

PROPRIETARY

WF

PROPRIETARY

Client Name: Parsons I & T Group, Inc.

Billing Address for Original Invoice:

Michele Maillis
4701 Hedgemore Drive
Charlotte, NC 28209

Larry Peterman
61 St. Joseph Street
Suite 1300
Mobile, AL 36602

Project Name: Bowe Gardens

Description: Phase 2 and 3 Muffler Insulation Removal, Wall Demolition, Paint Removal, and Misc. Asbestos Intact Removals

Project Number: 8

Work Order Number:

Invoice Number: f

Invoice Date: 2/27/03

Master Agreement Number :

A B C D E

	Rate	Date	Hours	Total
Project Manager		1/20/03		1.
		1/24/03		2.
		1/27/03		3.
		1/31/03		4.
		2/13/03		5.
		2/14/03		6.
Asbestos Tech		1/27/03		7.
		1/28/03		8.
		1/29/03		9.
		1/30/03		10.
				11.
Asbestos Tech		1/16/03		12.
		1/17/03		13.
		1/18/03		14.
		1/20/03		15.
		1/21/03		16.
		1/22/03		17.
		1/23/03		18.
		1/24/03		19.
		1/30/03		20.
		1/31/03		21.
		2/10/03		22.
		2/12/03		23.
	Contract Support Accounting		1/21/03		24.
		1/23/03		25.
		2/13/03		26.

PROPRIETARY

Page 14

A	B	C	D	E
Word Processing			2/17/03	1.
Contract Support			12/10/02	2.
	Subtotal			3.
				4.
Lab				5.
Lab				6.
Lab				7.
Lab				8.
Lab				9.
Hotel				10.
Mileage				11.
MIE				12.
Fax Charge				13.
Hotel				14.
Hotel Tax				15.
Vehicle Gas				16.
MIE Food				17.
Toll				18.
Shipping				19.
Shipping				20.
Shipping				21.
Shipping				22.
				23.
	Expenses Subtotal			24.
	Amount Due			25.

Payment terms are NET 30.

Checks should be made payable to

To expedite payment, please include a copy of this invoice with the remittance.

Remit To:

PROPRIETARY

Billing Address for Original Invoice:

Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209

Larry Peterman
61 St. Joseph Street
Suite 1300
Mobile, AL 36602

Project Name: Bowe Gardens
Description: Survey of Wall Mastic
Project Number: 823522.03
Invoice Number:
Invoice Date: 11/12/02

Service Thru: October 25, 2002
Work Order Number: 10231
Master Agreement Number:

A	B	C	D	E	F
		Rate	Date	Hours	Total
Project Manager			9/25/02		1.
Asbestos Tech			10/7/02		2.
Word Processing			10/3/02		3.
Word Processing			10/9/02		4.
Contract Support Accounting			9/28/02		5.
Contract Support Accounting			10/8/02		6.
	Subtotal				7.
					8.
Lab	IATL				9.
Milage					10.
	Amount Due				11.

Payment terms are NET 30
Checks should be made payable to
To expedite payment, please include a copy of this invoice with the remittance.
Remit To:

PROCUREMENT
NOV 14 2002
RECEIVED

PROPRIETARY

INVOICE

Client Name: Parsons I & T Group, Inc.

Billing Address for Original Invoice: Michele Mailis 4701 Hedgemore Drive Charlotte, NC 28209
 Larry Peterman 61 St. Joseph Street Suite 1300 Mobile, AL 36602

Project Name: Bowe Gardens
 Description: Phase I West Wall Demolition, Field work performed the week of December 16, 2002
 Project Number: 823522.04 Work Order Number: 70004 0001
 Invoice Number:
 Invoice Date: 1/23/03 Master Agreement Number: A B C D E F

	Rate	Date	Hours	Total
Project Manager	7	11/11/02		
		11/12/02		
		12/11/02		
Asbestos Tech		11/7/02		
		11/11/02		
		12/11/02		
		12/12/02		
		12/16/02		
		12/17/02		
		12/18/02		
		12/19/02		
		12/20/02		
		12/21/02		
		12/22/02		
		12/23/02		
		12/24/02		
		12/30/02		
		12/31/02		
Contract Support Accounting		12/10/02		
		12/17/02		
Subtotal				21
				22
Lab				23
Lab				24
Lab				25
Hotel				26
Mileage				27
Tolls				28
Shipping				29
Shipping				30
				31
Amount Due				32

PROCUREMENT
 JAN 27 2003
 RECEIVED

11/11/02
 11/12/02
 12/11/02
 11/7/02
 11/11/02
 12/11/02
 12/12/02
 12/16/02
 12/17/02
 12/18/02
 12/19/02
 12/20/02
 12/21/02
 12/22/02
 12/23/02
 12/24/02
 12/30/02
 12/31/02
 12/10/02
 12/17/02
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 32

Payment terms are NET 30.
 Checks should be made payable to Shaw E & I
 To expedite... lance.

PROPRIETARY

Parsons

revised 08/23/02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgecroft Drive Charlotte, NC 28209 Client Name: BellSouth Telecommunications, Inc. Prime Contract No.: 50120 Prime Asbestos WBS No.: 739301-10231 BellSouth Work Request No.: 01012477373 Environmental Coordinator: Larry Peterman Prime Task Manager: Augustine Quatrocchi	SUBCONTRACTOR:
---	-----------------------

SCOPE OF WORK

1. BellSouth Facility: 33022 Howe Gardens ESS, 1750 Croton Rd., Melbourne, FL 32935
2. Project Name: Howe Gardens CO-Construct Rear Addition To CO Project Contact:
3. Scope of Work: Provide additional lead paint abatement services as necessary to remove approx. 1,126 SF of
4. flaking, peeling white and yellow lead-containing paint. The paint is applied to the concrete ceilings, concrete
5. masonry block walls (not being demolished), and a roof drain in the engine room (former plenum area). This
6. work is to be performed using the same mobilization as Phase 3 abatement work. Following removal apply
7. Primer primer to the surfaces from which flaking and peeling paint was removed, which will also serve as an
8. encapsulant.
9. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties seven (7)
10. working days prior to removal operations. Provide notification of removal operations to BellSouth and the
11. USH/PA or designee in accordance with required timelines. Both the notification and MOP will be posted at the
12. site in accordance with BellSouth policy. Asbestos abatement services will be performed in accordance with
13. applicable regulatory guidelines and BellSouth policies. Provide close-out documentation to Parsons (one copy)
14. no later than 35 days after completion of removal operations.
15. Clarification: Invoice this additional work separate from the base bid contract (Subcontract No. 739301-
16. 30002-00).
17. Period of Performance: Project Start Date - 1/30/2003 Submittal Due Date - 2/26/2003

WORK ORDER COMPENSATION AMOUNT

18. Prime Contractor shall pay Subcontractor a _____ as compensation for Subcontractor
19. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
20. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
21. of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
22. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
23. personnel required by this Work Order.
24. Final Payment: Subcontractor shall submit an invoice for final payment within 60 calendar days after
25. completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an
26. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
27. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Michele Mailis

Name (printed): Michele Mailis

Title: Subcontractor Administrator

Date: 2/6/03

mm 2.10.03

Approved for payment. This is a final invoice.

Larry D. Peterman 3/19/03

Invoice # 73545

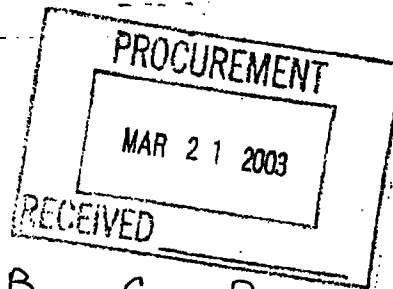
March 11, 2003

Pharos Infrastructure & Technology Group, Inc.
4701 Collegeville Drive
Charlotte, NC 28220

Re:

Work

- a (i) *Garney Co* Duane Chapman CO - Melbourne Additional Work
- b (i) 1750 Craton Road
- c (i) Melbourne Florida 32935
- d (i) G.C. Number 33022 ✓
- e (i) Hill South Work Request Number 010124777373
- f (i) Persons Project Manager Larry Peterman
- g (i) Persons Work Order Number 739301-90048 ✓
- h (i) Master Agreement Number 730975-50011-01 ✓
- i (i) I&T - No Invoice 000000



j (i) Total Due This Invoice:

10231

Description	B	C	D	E
	Quantity	Unit	Unit Rate	Total
1. Mobilization				
2. Mobilization				
3. Project Mileage				
4. Project Per Diem				
5. Personnel Decantamination Unit				
6. Work Area Isolation - Gross Removal				
7. Scraping flaking paint from concrete and block walls				
8. Fine particle Printer				
9.				
10. Removal of Asbestos Containing Pipe Insulation				
11. Disposal				
12. Disposal Fee				
13. Mileage to landfill				
14. Disposal labor				
15.				
16. Per Diem				
17. Mileage				
18. Per Hour				
19.				
20. Temporary Power				
21. Total Unit Rates				

im 4/3/03

PROPRIETARY

TOTAL

PROPRIETARY

02-10-03P01:10 RCVD

To: Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Invoice Number:

Our Order Number:

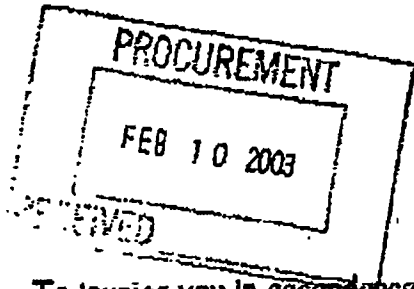
Subcontract No: 739301-50002-00 ✓

WBS No: 10231 ✓

Project Location

Eau Gallie Bowe Gardens CO ✓
1750 Croton Avenue
Melbourne, AL
Phase II and III ✓

Net 30 Days



- 1. To invoice you in accordance with the above Purchase Order number and
- 2. directions from Mr. Larry Peterman for the lead removal and the removal of
- 3. asbestos containing material from the project location.

	A	B	C
4.	Contract Amount:		
5.	Complete to Date:		
6.	Billed to Date:		
7.	Total: ✓		

OR 18 Total Amount Due this Invoice:

WORK ORDER AI

PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
 Prime Contract No.:
 Prime Asbestos WBS No.: 440068-80030
 BellSouth Work Request No.: 030106061667
 Environmental Coordinator: Don Pippin
 Prime Task Manager: NA

SCOPE OF WORK

- 1. **BellSouth Facility:** M6601 Allapattah ESS, 2470 N.W. 38th St., Miami, FL 33142
- 2. **Project Name:** Allapattah ESS-Floor Tile Sampling **Project Contact:**
- 3. **Scope of Work:** Provide asbestos survey and sampling services as required to identify damaged
- 4. suspect asbestos-containing floor tile and mastic from the basement cable vault entry.
- 5. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
- 6. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
- 7. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
- 8. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
- 9. submitted in hard copy to Parsons within the same timeframe.
- 10. **Clarifications:**
- 11. **Period of Performance:** Project Start Date - 1/8/2003 Submittal Due Date - 1/22/2003

WORK ORDER COMPENSATION AMOUNT

12. Prime Contractor shall pay Subconsultant a _____ as compensation for
 13. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
 14. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
 15. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
 16. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
 17. technical and supporting personnel required by this Work Order.

18. **Final Payment:** *Subconsultant shall submit an invoice for final payment within 60 calendar days after*
 19. *completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an*
 20. *invoice for final payment within 60 calendar days may result in closing of financial accounts related to this*
 21. *Work Order and non-payment of the final invoice.*

PARSONS

APPROVED:
 By: *Don Pippin*
 Name (printed): Don Pippin
 Title: Environmental Coordinator
 Date: 1-13-02

CC: 7328 CT: 62

jm
1-14-03

PROCUREMENT
F 3 - 3 2003

INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO.
DATE: 01/10/2003

AUTHORIZED BY:
MR. DON PIPPIN

MASTER AGREEMENT #: 730975-50033-01
WORK REQUEST/ORDER NO.: 030106061667 / 440068-80001
BUILDING NAME/GLC #: MIAMI ALLAPATTAH ESS / M6601
PARSONS PROJECT #: 440068-80030

PROCUREMENT
2003
ASBESTOS CONSULTING SERVICES

MIAMI ALLAPATTAH ESS - BASEMENT SOUTH CORRIDOR AREA
2470 NW 38 STREET MIAMI, FLORIDA

- | | | | | |
|----|-------------|-----------------------|----------|----------|
| | <u>A</u> | <u>B</u> | <u>C</u> | <u>D</u> |
| 1. | 01/08/2003 | FIELD SAMPLING/SURVEY | | |
| 2. | 01/10/2003 | COMPILATION OF REPORT | | |
| 3. | SUB TOTAL | ..... |  |  |
| 4. | SUB TOTAL X | <u>E</u> | | <u>F</u> |
| 5. | ANALYSIS OF | | | |
| 6. | MILAGE - | | | |
| 7. | AMOUNT DUE | ..... |  |  |

PLEASE CONTACT QUESTIONS
TERMS: AS PER CONTRACT

PROPRIETARY
Page 23

CLIENT :
 DEPT. :
 ADDRESS :
 CONTACT: F

PAGE : 1
 DATE : 01/09/03
 INVOICE NO. :

TERMS : NET 30 DAYS
 After 30 days, subject to per month

<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>
<u>QUANTITY:</u>	<u>DESCRIPTION</u>	<u>SAMPLE #</u>	<u>UNIT</u>	<u>TOTAL</u>
1. 3	PLM-MIAMI ALLAPATTAH ESS - M6601 820-030441.01	D301373		
2.				GRAND TOTAL:
3.				AMOUNT DUE:

Post-it® Fax Note	7671	Date	1-29-03	# of pages	6
To	Michele	From	DON P		
Co./Dept.		Co.			
Phone #		Phone #			
Fax #		Fax #			

STATEMENT/INVOICE

PROPRIETARY
Page 24

WORK ORDER AUTHORIZATION

revised 08/22/02

PRIME CONTRACTOR: Parsons 4701 Hedgemoor Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: <u> </u> Prime Asbestos WBS No.: <u>440019-91210</u> BellSouth Work Request No.: <u>020116930342</u> Environmental Coordinator: <u>Larry Peterman</u> Prime Task Manager: <u>NA</u>	SUBCONTRACTOR: 36
--	---

SCOPE OF WORK

1. BellSouth Facility: M6121 Palmetto CO, 9056 N.W. 41st St., Miami, FL 33166
2. Project Name: Palmetto ESS-Replacement of North AHU Project Contact:
3. Scope of Work: Provide asbestos abatement services as necessary to remove approx. 811 SF of duct
4. insulation with cement plaster finish and black ACM mastic, 85 LF of chilled water/condensate pipe
5. insulation, and 19 SF of valve/equipment insulation (including expansion tank) from the first floor
6. north AHU room. Also remove approx. 375 SF of fiberglass insulation with white ACM mastic on
7. duct joints from the first floor lounge and lobby areas. The abatement is to be performed in 2
8. mobilizations, with work in the lounge and lobby areas to be performed first.
9. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
10. seven (7) working days prior to removal operations. Provide notification of removal operations to
11. BellSouth and the USFPA or designee in accordance with required timelines. Both the notification
12. and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services
13. will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide
14. close-out documentation to Parsons (one copy) no later than 35 days after completion of removal
15. operations.
16. Clarifications:
17. Period of Performance: Project Start Date - 11/8/2002 Submittal Due Date - 12/27/2002



WORK ORDER COMPENSATION AMOUNT

18. Prime Contractor shall pay Subcontractor a as compensation for Subcontractor
19. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
20. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
21. of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
22. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
23. personnel required by this Work Order.
24. Final Payment: Subcontractor shall submit an invoice for final payment within 60 calendar days after
25. completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an
26. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
27. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By:

Name (printed): John Zabel

Title: Lead Subcontractor Administrator

Date: 11/12/02

**INVOICE AND
RELEASE TO INDUCE PAYMENT**

**TO: PARSONS INFRASTRUCTURE & TECHNOLOGY
PROCUREMENT DEPARTMENT
4701 HEDGEMORE DRIVE
CHARLOTTE, NC 28210
ATTN: MICHELE MAILLIS**

INVOICE NO.

**JOB NAME: PALMETTO ESS
9056 N.W. 41ST STREET
MIAMI, FLORIDA 33166
GLC NO. M6121**

**PARSONS WORK ORDER NO. 440019-90097
BST WORK REQUEST NO. 020116930342
WBS NO. 440019-91210
REMOVE 106 LF PIPE INSUL., 1,159 SF DUCT
MASTIC/F.GLASS INSUL., 18 SF EQUIP. INSUL.
WORK DATES: 11/17/02 - 11/26/02 (PH.I & II)**

A

This Invoice is for work performed on the above named job for the pay period ending: 11/26/02 **B**

1.	AMOUNT OF ORIGINAL CONTRACT	
2.	APPROVED CHANGE ORDERS (+/-)	
3.	TOTAL CONTRACT AMOUNT WITH CHANGE ORDERS	
4.	VALUE OF WORK COMPLETED TO DATE	
5.	VALUE OF MATERIALS STORED ON SITE	
6.	TOTAL COMPLETED AND STORED TO DATE	
7.	LESS RETAINAGE AT_ (IF APPLICABLE)	
8.	TOTAL EARNED TO DATE	
9.	LESS PREVIOUS PAYMENT REQUESTS	
10.	CURRENT PAYMENT REQUESTED.	
11.	PLUS OUTSTANDING INVOICES	
12.	TOTAL AMOUNT NOW DUE	
13.	BALANCE TO FINISH, PLUS RETAINAGE	

The contractor certifies that all materials, labor, and services furnished by him through the above mentioned pay period have been fully paid (except as listed hereon below) and the premises of the above named job cannot be made subject to any valid lien or claim by anyone who furnished materials, labor or services to the contractor for use in said job; and the Contractor hereby releases **PARSONS INFRASTRUCTURE** from any further liability in connection with all materials, labor, and services furnished by the Contractor through this pay period. This release is given in order to induce payment in the amount of _____ and on receipt of said payment by the Contractor this release becomes in full force and effect.

Exceptions are as follows:

NOTARY AFFIDAVIT:

Sworn to _____
day _____

NOT.

BY: _____
TITLE: CHIEF FINANCIAL OFFICER

DATE: NOVEMBER 27, 2002

EXPIRES DEC. 2, 2002

PROPRIETARY

INVOICE NO.

Project Invoice Breakdown
Asbestos Abatement

PARSONS WORK ORDER NO.: 440019-90097

BST WORK REQUEST NO.: 020116930342

WBS NO.: 440019-91210

PALMETTO ESS
9056 NW 41 STREET
Miami, FL 33166

Remove asbestos-containing black duct mastic with foamglass insulation and cement plaster finish(app. 759 SF),
and chilled water pipe insulation/ condensate pipe insulation(app. 106 LF) and valve/equipment/tank insulation(app.
18 SF), at 1st Floor Northeast AHU Room, in connection with AHU replacement. Also, remove asbestos-containing
white duct mastic with fiberglass insulation(app. 400 SF) from duct at old lounge and front lobby. Duct
mastic/insulation to be removed prior to start of temporary AHU(Phase I). NOTE:
turning off AHU and providing temp. AC, as needed. Coordinate with

GLC:

Work Performed- **A** November 17, 2002 to **B** November 17, 2002 **C** PHASE I **D** **E** **F** **G** **H**
November 18, 2002 to November 26, 2002 PHASE II

ITEM NO.	ITEM / SCOPE OF WORK	TOTAL WORK	COMPLETED WORK	CONTRACT VALUE	PREVIOUS INVOICES	THIS INVOICE	TOTAL COMPLETED	%
1	Mobil.- Class III <NESHAPS, < 60							100.00%
2	Mobil.- NESHAPS, < 60							100.00%
3	Decon Unit- NESHAPS							100.00%
4	Trowelled-on Plaster/Stucco							100.00%
5	Pipe Insulation >3" ø, accessible							100.00%
6	Equipment Insulation							100.00%
7	Mastic on Fiberglass Duct Insulation							100.00%
8	.006 Flame Retardant, Anti-static Poly							100.00%
9.	TOTALS							100.00%

Invoice based upon actual quantities verified with

PROPRIETARY

Page 27

PROPRIETARY

WORK ORDER AUTHORIZATION

Leve O 1

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209



Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.:
Prime Asbestos WBS No.: 440019-91210
BellSouth Work Request No.: 020116930342-002
Environmental Coordinator: Dennis Porche
Prime Task Manager: NA

SCOPE OF WORK

1. **BellSouth Facility:** M6121 Palmetto CO, 9056 N.W. 41st St., Miami, FL 33166
2. **Project Name:** North AHU replacement **Project Contact:**
3. **Scope of Work:** Provide asbestos survey and sampling services as required to identify suspect
4. asbestos-containing materials that may be impacted by planned construction activities during the
5. replacement of the North AHU unit on the 1st floor.
6. Please coordinate survey with
7. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
8. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
9. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
10. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
11. submitted in hard copy to Parsons within the same timeframe.

12. Clarifications:

13. Period of Performance: Project Start Date - 09/30/2002 Submittal Due Date - 10/14/2002

WORK ORDER COMPENSATION AMOUNT

14. Prime Contractor shall pay Subconsultant a _____ as compensation for
15. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
16. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
17. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
18. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
19. technical and supporting personnel required by this Work Order.
20. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
21. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
22. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
23. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Dennis Porche

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 9/30/02

CC # 7328

CT: 62 jm
9.30.02

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: <u>B0420</u> Prime Asbestos WBS No.: <u>440019-91210</u> BellSouth Work Request No.: <u>020116930342-002</u> Environmental Coordinator: <u>Dennis Porche</u> Prime Task Manager: <u>NA</u>	SUBCONSULTANT:
--	---


SCOPE OF WORK

1. **BellSouth Facility:** M6121 Palmetto CO, 9056 N.W. 41st St., Miami, FL 33166
2. **Project Name:** North AHU Replacement **Project Contact:** /
3. **Scope of Work:** Provide asbestos survey and sampling services as required to identify suspect
4. asbestos-containing materials that may be impacted by planned construction activities during the
5. replacement of the North AHU unit on the 1st floor.
6. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
7. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
8. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
9. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
10. submitted in hard copy to Parsons within the same timeframe.
11. **Clarifications:**
- 12.

13. **Period of Performance:** Project Start Date – 10/10/2002 Submittal Due Date – 10/24/2002

WORK ORDER COMPENSATION AMOUNT

14. Prime Contractor shall pay Subconsultant a _____ as compensation for
15. Subconsultant services performed pursuant to this ~~work order~~ Work Order. Work Order Compensation shall be in
16. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
17. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
18. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
19. technical and supporting personnel required by this Work Order.
20. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
21. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
22. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
23. Work Order and non-payment of the final invoice.

<p style="text-align: center;">PARSONS</p> <p>APPROVED:</p> <p>By: <u></u></p> <p>Name (printed): <u>Dennis Porche</u></p> <p>Title: <u>Environmental Coordinator</u></p> <p>Date: <u>10/10/02</u></p>	
---	--

CC: CT: *Jim 10/10/02*

PROPRIETARY

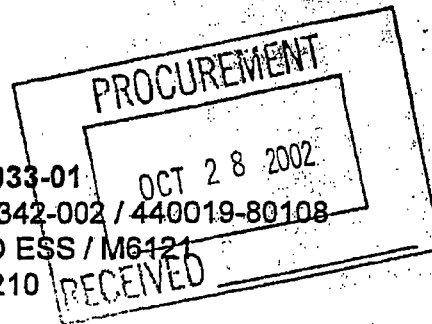
INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO.
DATE: 10/15/2002

AUTHORIZED BY:
MR. DENNIS B. PORCHE

MASTER AGREEMENT #: 730975-50033-01
WORK REQUEST/ORDER NO.: 020116930342-002 / 440019-80108
BUILDING NAME/GLC #: PALMETTO ESS / M6121
PARSONS PROJECT #: 440019-91210



ASBESTOS/LEAD-BASED PAINT CONSULTING SERVICES

PALMETTO ESS - FIRST FLOOR NORTH AHU ROOM/LOUNGE ROOM,
9056 NW 41 STRRET, MIAMI, FLORIDA 33166

	A	B	C	D
1.	10/07/2002	FIELD SURVEY/SAMPLING		\$
2.	10/11/2002	COMPILATION OF REPORT		\$
3.		SUB TOTAL		\$
4.		SUB TOTAL		\$
5.		ANALYSIS OF		\$
6.		MILAGE		\$
7.		AMOUNT DUE		\$

Approved for payment of
B. Porche 10/22/02

PLEASE CONTACT

TERMS: AS PER CONTRACT

IONS

PROPRIETARY

pm
10-22-02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: J
Prime Asbestos WBS No.: 440019-91210
BellSouth Work Request No.: 020116930342-002
Environmental Coordinator: Larry Peterman
Prime Task Manager: NA

SCOPE OF WORK

11 **BellSouth Facility:** M6121 Palmetto ESS, 9056 N.W. 41st St., Miami, FL 33166
12
13 **Project Name:** North AHU Replacement **Project Contact:**
14
15 **Scope of Work:** Provide asbestos abatement air monitoring, clearance sampling, and construction
16 surveillance services for removal of 759 SF of duct insulation with cement plaster finish and ACM
17 mastic, 106 LF of chilled water pipe insulation, 18 SF of expansion tank/equipment insulation, and 400
18 SF of fiberglass duct insulation with ACM mastic on joints. The areas to be abated include the north
19 AHU room, lounge, and lobby. Abatement to be performed in two mobilizations.
20
21 Asbestos air monitoring and construction surveillance services are to be performed in accordance with
22 applicable regulations and Bellsouth policies. Upon completion of removal activities, the Consultant
23 will post clearance data at the project site. In addition, the Consultant will forward a re-occupancy
24 letter to Parsons within one work day. A final asbestos abatement report with air monitoring data is to
25 be forwarded to Parsons within 2 weeks after completion of on-site activities.

13 **Clarifications:**
14

15 **Period of Performance:** Project Start Date - 10/10/2002 **Submittal Due Date - 11/27/2002**

WORK ORDER COMPENSATION AMOUNT

16 Prime Contractor shall pay Subconsultant a _____ as compensation for
17 Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
18 accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
19 Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
20 the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
21 technical and supporting personnel required by this Work Order.

22 **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
23 completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
24 invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
25 Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Greg Moninger

Name (printed): Greg Moninger

Title: Deputy Environmental Program Manager

Date: 11/12/02

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hodgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.:
Prime Asbestos WBS No.: 440012-91210
BellSouth Work Request No.: 070116930342-002
Environmental Coordinator: Don Pippin
Prime Task Manager: NA

SCOPE OF WORK

- 1.
- 2.
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- 25.

BellSouth Facility: M6121 Palmato ESS, 9056 N.W. 41st St, Miami, FL 33166

Project Name: North AHU Replacement Project Contact:

Scope of Work: Provide asbestos abatement air monitoring, clearance sampling, and construction surveillance services for removal of 759 SF of duct insulation with cement plaster finish and ACM mastic, 106 LF of chilled water pipe insulation, 18 SF of expansion tank/equipment insulation, and 400 SF of fiberglass duct insulation with ACM mastic on joints. The areas to be coated include the north AHU room, lounge, and lobby. Abatement to be performed in two mobilizations.

Asbestos air monitoring and construction surveillance services are to be performed in accordance with applicable regulations and BellSouth policies. Upon completion of removal activities, the Consultant will post clearance data at the project site. In addition, the Consultant will forward a re-occupancy letter to Parsons within one work day. A final asbestos abatement report with air monitoring data is to be forwarded to Parsons within 2 weeks after completion of on-site activities.

Classification:

Period of Performance: Project Start Date - 12/9/02 Submittal Due Date - 12/30/02

WORK ORDER COMPENSATION AMOUNT

Prime Contractor shall pay Subconsultant as compensation for Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional, technical and supporting personnel required by this Work Order.

Final Payment: Subconsultant shall submit an invoice for final payment within 60 calendar days after completion of all services, including submittal of all deliverables. Failure of Subconsultant to submit an invoice for final payment within 60 calendar days may result in closing of financial accounts related to this Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

BY: Don Pippin

Name (printed): Don Pippin

Title: Environmental Coordinator

Date: 12/11/02

.....INVOICE.....

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO.
DATE:

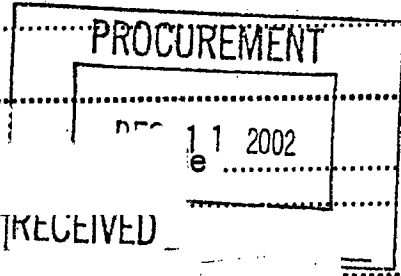
AUTHORIZED BY:
MR. LARRY PETERMAN

MASTER AGREEMENT #: 730975-50033-01
WORK REQUEST/ORDER NO.: 020116930342-002 / 440019-80108
BUILDING NAME/GLC # PALMETTO ESS / M6121
PARSONS PROJECT #: 440019-91210

ASBESTOS CONSULTING SERVICES

PALMETTO ESS - FIRST FLOOR NORTH AHU ROOM & LOUNGE
9056 NW 41 STREET, MIAMI, FLORIDA

- | | | | | |
|-----|-----------------|------------------------|---|---|
| | A | B | C | D |
| 1. | 11/01/2002 | WORK ACTION PLAN PREP. | | |
| 2. | 11/08/2002 | PRE-CONSTRUCTION MEET. | | |
| 3. | 11/07/2002 | PROJECT/AIR MONITORING | | |
| 4. | 11/18/2002 | PROJECT/AIR MONITORING | | |
| 5. | 11/19/2002 | PROJECT/AIR MONITORING | | |
| 6. | 11/20/2002 | PROJECT/AIR MONITORING | | |
| 7. | 11/21/2002 | PROJECT/AIR MONITORING | | |
| 8. | 11/22/2002 | PROJECT/AIR MONITORING | | |
| 9. | 11/28/2002 | PROJECT/AIR MONITORING | | |
| 10. | 12/03/2002 | COMPILATION OF REPORT | | |
| 11. | SUB TOTAL | | | |
| 12. | SUB TOTAL | | | |
| 13. | ANALYSIS OF | | | |
| 14. | MILAGE - | | | |
| 15. | AMOUNT DUE | | | |



PLEASE CONTACT: _____ ONS
TERMS: AS PER CONTRACT

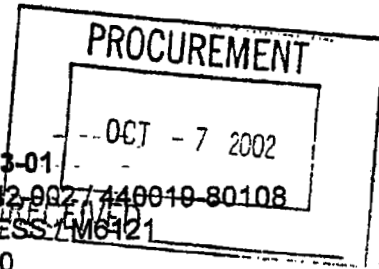
PROPRIETARY

INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO.
DATE:

AUTHORIZED BY:
MR. DENNIS B. PORCHE



MASTER AGREEMENT #: 730975-50033-01
WORK REQUEST/ORDER NO.: 020116930342-002 / 440019-80108
BUILDING NAME/GLC #: PALMETTO ESS / M6921
PARSONS PROJECT #: 440019-91210

ASBESTOS/LEAD-BASED PAINT CONSULTING SERVICES

PALMETTO ESS - FIRST FLOOR NORTH AHU ROOM/LOUNGE ROOM,
9056 NW 41 STRRET MIAMI, FLORIDA 33166

- 1. 09/26/2002 ^A FIELD SURVEY/SAMPLING B C
- 2. 09/28/2002 COMPILATION OF REPORT
- 3. 09/30/2002 COMPILATION OF REPORT
- 4. SUB TOTAL
- 5. SUB TOTAL
- 6. ANALYSIS OF
- 7. ANALYSIS OF
- 8. MILAGE
- 9. AMOUNT DUE

10. *Approved for payment of* FINAL INVOICE
D. B. Porche 10-1-02

PLEASE CONTACT QUESTIONS
PROPRIETARY **PROPRIETARY**
TERMS: AS PER CONTRACT **PROPRIETARY** 10.1.02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: _____ Prime Asbestos WBS No.: <u>440019-91240</u> BellSouth Work Request No.: <u>020475969510-002</u> Environmental Coordinator: <u>Larry Peterman</u> Prime Task Manager: <u>NA</u>	SUBCONTRACTOR: I V N C H
--	--

SCOPE OF WORK

1. **BellSouth Facility:** M6216 Miami Beach ESS, 1550 Lenox Ave., Miami Beach, FL 33139
2. **Project Name:** Chiller pump replacement **Project Contact:**
3. **Scope of Work:** Provide asbestos abatement services as necessary to remove approx. 137 Lb of
4. chilled water pipe insulation, 47 EA pipe fittings, and 133 SF of equipment/valve insulation. The
5. abatement areas consist of four AHU rooms (1st floor NW, 1st floor SE, 2nd floor NW, and 2nd floor
6. SE). Work to be performed in 2 mobilizations, with the first mobilization being that work for tie-in of
7. temporary chilled water pumps.
8. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
9. seven (7) working days prior to removal operations. Provide notification of removal operations to
10. BellSouth and the USEPA or designee in accordance with required timelines. Both the notification
11. and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services
12. will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide
13. close-out documentation to Parsons (one copy) no later than 35 days after completion of removal
14. operations.
15. **Clarifications:**

16. **Period of Performance:** Project Start Date - 10/30/2002 Submittal Due Date - 12/18/2002

WORK ORDER COMPENSATION AMOUNT

17. Prime Contractor shall pay Subcontractor _____ as compensation for Subcontractor
18. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
19. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
20. of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
21. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
22. personnel required by this Work Order.
23. **Final Payment:** Subcontractor shall submit an invoice for final payment within 60 calendar days after
24. completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an
25. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
26. Work Order and non-payment of the final invoice.

<p align="center">PARSONS</p> APPROVED: By: <u>Wayne G. [Signature]</u> Name (Printed): <u>John Zabel</u> Title: <u>Lead Subcontractor Administrator</u> Date: <u>11-1-02</u>	I In Sol Dy No Til Dis
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M. 11.4.02

Parsons

revised 08/22/02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: P10000 Prime Asbestos WBS No.: <u>440019-91240</u> BellSouth Work Request No.: <u>020425969510-002</u> Environmental Coordinator: <u>Don Pippin</u> Prime Task Manager: <u>NA</u>	SUBCONTRACTOR:
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SCOPE OF WORK

1. **BellSouth Facility:** M6216 Miami Beach ESS, 1550 Lenox Ave., Miami Beach, FL 33139
2. **Project Name:** Chiller pump replacement **Project Contact:**
3. **Scope of Work:** In addition to the original work order dated (10/30/02), provide asbestos abatement
4. services as necessary to remove approximately 16 lf of pipe insulation and 20 sf of tank insulation
5. from above the ceiling of the first floor, SE AHU room.
6. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
7. seven (7) working days prior to removal operations. Provide notification of removal operations to
8. BellSouth and the USRPA or designee in accordance with required timelines. Both the notification
9. and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services
10. will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide
11. close-out documentation to Parsons (one copy) no later than 35 days after completion of removal
12. operations.
13. **Clarifications:**
- 14.
15. **Period of Performance:** Project Start Date - 12/9/02 **Submittal Due Date - 01/25/03**

WORK ORDER COMPENSATION AMOUNT

16. Prime Contractor shall pay Subcontractor as compensation for Subcontractor services
17. performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth
18. in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the
19. Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described. The
20. Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
21. personnel required by this Work Order.
22. **Final Payment:** Subcontractor shall submit an invoice for final payment within 60 calendar days after
23. completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an
24. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
25. Work Order and non-payment of the final invoice.

<p style="text-align: center;">PARSONS</p> APPROVED: By: <u>Don Pippin</u> Name (printed): <u>Don Pippin</u> Title: <u>Environmental Coordinator</u> Date: <u>12-9-02</u>	
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Soc #

mm
12.9.02

M6216-440019-90096-1.doc

PROPRIETARY

**INVOICE AND
RELEASE TO INDUCE PAYMENT**

**TO: PARSONS INFRASTRUCTURE & TECHNOLOGY
PROCUREMENT DEPARTMENT
4701 HEDGEMORE DRIVE
CHARLOTTE, NC 28210
ATTN: MICHELE MAILLIS**

INVOICE NO.

**JOB NAME: MIAMI BEACH ESS
1550 LENOX AVENUE
MIAMI BEACH, FL 33139
GLC NO. M6216**

**SAC JOB NO.
PARSONS WORK ORDER NO. 440019-90096
BST WORK REQUEST NO. 020425969510-002
WBS NO. 440019-91240
REMOVE 137 LF PIPE INSUL., 47 ECH. PIPE
FITTINGS, 133 EQUIP./VALVE INSULATION
WORK DATES: 11/26/02 - 12/01/02**

This Invoice is for work performed on the above named job for the pay period ending: 12/01/02

1.	AMOUNT OF ORIGINAL CONTRACT	
2.	APPROVED CHANGE ORDERS (+/-)	
3.	TOTAL CONTRACT AMOUNT WITH CHANGE ORDERS	
4.	VALUE OF WORK COMPLETED TO DATE	
5.	VALUE OF MATERIALS STORED ON SITE	
6.	TOTAL COMPLETED AND STORED TO DATE	
7.	LESS RETAINAGE AT _____ (IF APPLICABLE)	
8.	TOTAL EARNED TO DATE	
9.	LESS PREVIOUS PAYMENT REQUESTS	
10.	CURRENT PAYMENT REQUESTED	
11.	PLUS OUTSTANDING INVOICES	
12.	TOTAL AMOUNT NOW DUE	
13.	BALANCE TO FINISH, PLUS RETAINAGE	

The contractor certifies that all materials, labor, and services furnished by him through the above mentioned pay period have been fully paid (except as listed herein below) and the premises of the above named job cannot be made subject to any valid lien or claim by anyone who furnished materials, labor or services to the contractor for use in said job; and the Contractor hereby releases PARSONS INFRASTRUCTURE from any further liability in connection with all materials, labor, and services furnished by the Contractor through this pay period. This release is given in order to induce payment in the amount of _____ and on receipt of said payment by the Contractor this release becomes in full force and effect.

Exceptions are as follows:

NOTARY AFFIDAVIT:

Sworn to and subscribed before me this _____ day of _____ 20 _____

NOTARY PUBLIC STATE OF FLORIDA

BY: _____
TITLE: _____

DATE: DECEMBER 4, 2002

PROPRIETARY

Dec-09-02 10:05A

INVOICE NO.

Project Invoice Breakdown
Asbestos Abatement

PARSONS WORK ORDER NO.: 440019-90096

MIAMI BEACH ESS
1550 LENOX AVENUE
Miami Beach, Florida 33139

BST WORK REQUEST NO.: 020425969510-002

WBS NO.: 440019-91240

GLC:

Removal of asbestos-containing chilled water pipe insulation(app. 137 LF), fittings(app. 47 EA) and equipment/valve insulation(app. 133 SF), from within the four each AHU rooms(1st- NW & SE, 2nd- NW & SE) in connection AHU replacement. Coordinate with 9"x 9" beige floor tile in poor condition(app. 98 SF) was noted around equipment to be replaced. Parsons advised BST did not want to include floor tile. Revision One- Add an additional phase for removal at tie-in of temporary CW pumps. Revision Two- Add Miami-Dade County DERM fee(minor fee).

M6216

Work Performed- ^A November 26, 2002 to ^B November 27, 2002 ^C PHASE I ^D ^E ^F ^G ^H
November 30, 2002 to December 1, 2002 PHASE II

ITEM NO.	ITEM / SCOPE OF WORK	TOTAL WORK	COMPLETED WORK	CONTRACT VALUE	PREVIOUS INVOICES	THIS INVOICE	TOTAL COMPLETED	%
1	Mobil.- NESHAPS, < 60							100.00%
2	Mobil.- Class III<>NESHAPS, < 60							100.00%
3	Decon Unit- Two Stage							100.00%
4	Pipe Insulation > 3", accessible							100.00%
5	Pipe Fittings- accessible							100.00%
6	Equipment/Valve Insulation							100.00%
7	.006 Flame Retardant, Anti-static Poly at							100.00%
8	Miami-Dade County DERM Fee							100.00%
9.	TOTALS							

Invoice based upon actual quantities.

PROPRIETARY

PROPRIETARY 990:01 20-60-09

990-28

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: _____
Prime Asbestos WBS No.: 440019-91240
BellSouth Work Request No.: 020425969510-002
Environmental Coordinator: Dennis Porche
Prime Task Manager: NA

SCOPE OF WORK

1. **BellSouth Facility:** M6216 Miami Beach ESS, 1550 Lenox Ave., Miami Beach, FL 33139
2. **Project Name:** Chiller Pump Replacement **Project Contact:** _____
3. **Scope of Work:** Provide asbestos/lead survey and sampling services as required to identify suspect
4. asbestos-containing materials that may be impacted by planned construction activities to replace the 4
5. existing chiller pumps with 2 new ones.
6. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
7. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
8. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
9. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
10. submitted in hard copy to Parsons within the same timeframe.
11. **Clarifications:** _____
12. **Period of Performance:** Project Start Date – 10/16/2002 Submittal Due Date – 10/30/2002

WORK ORDER COMPENSATION AMOUNT

13 Prime Contractor shall pay Subconsultant a _____ as compensation for
14 Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
15 accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
16 Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
17 the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
18 technical and supporting personnel required by this Work Order.

19 **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
20 completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
21 invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
22 Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Dennis Porche

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 10/17/02

CC: 7328 CT: 62

jm
10/17/02

PROPRIETARY

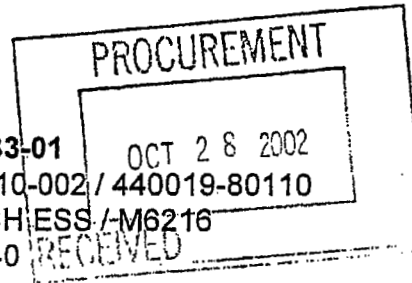
..... INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO.
DATE:

AUTHORIZED BY:
MR. DENNIS B. PORCHE

MASTER AGREEMENT #: 730975-50033-01
WORK REQUEST/ORDER NO.: 020425969510-002 / 440019-80110
BUILDING NAME/GLC #: MIAMI BEACH ESS / M6216
PARSONS PROJECT #: 440019-91240



ASBESTOS/LEAD-BASED PAINT CONSULTING SERVICES

EBS PROJECT NO. 820-020428.01
MIAMI BEACH ESS - FIRST AND SECOND FLOORS DESIGNATED AREAS,
1550 LENOX AVENUE, MIAMI BEACH, FLORIDA 33139

- | | | | | |
|----|------------|-----------------------|-------|-------|
| | A | B | C | D |
| 1. | 10/10/2002 | FIELD SURVEY/SAMPLING | ..... | ..... |
| 2. | 10/19/2002 | COMPILATION OF REPORT | ..... | ..... |
| 3. | SUB TOTAL |  | ..... | ..... |
| 4. | SUB TOTAL |  | ..... | ..... |
| 5. | ANALYSIS |  | ..... | ..... |
| 6. | MILAGE |  | ..... | ..... |
| 7. | AMOUNT DUE |  | ..... | ..... |

8. *Approved for payment of*
D. B. Porche 10/23/02

jm 10.24.02

PLEASE CONTACT E

VOICE QUESTIONS

TERMS: AS PER CONTRACT

PROPRIETARY

Parsons

WORK ORDER /

PRIME CONTRACTOR:

Parsons
4701 Hodgmore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.:
Prime Asbestos WBS No.: 739302-20111
BellSouth Work Request No.: 010209784986
Environmental Coordinator: Larry Peterson
Prime Task Manager: Jim Kalish

Date: 11/7/2002
Work Order No.: 739302-90049
Work Order Revision No.: 0
Master Agreement
Consultant
Phone/Fax:

SCOPE OF WORK

- 1
- 2
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BellSouth Facility: 31472 Warrington CO, 515 S. Old Cory Field Rd., Pensacola, FL 32507

Project Name: Engine Replacement Project Contact:

Scope of Work: Provide lead paint abatement services to remove approx. 290 SF of white lead-containing paint on the concrete ceiling deck in four areas. The work areas are located on the 1st floor ISS room (between columns 20-29), 1st floor telephone equipment room & receiving room (between columns 24-25-34), 2nd floor engine room (between columns 24-25-34), and 2nd floor mechanical room (between columns 20-29). Also remove approx. 5 SF of ACM firstop around roof drains in the 2nd floor engine room and mechanical room.

Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties seven (7) working days prior to removal operations. Provide notification of removal operations to BellSouth and the US EPA or designee in accordance with required timelines. Both the notification and MOP will be posted at the site in accordance with BellSouth policy. Lead abatement services will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide close-out documentation to Parsons (one copy) no later than 35 days after completion of removal operations.

Classifications:

19 Period of Performance: Project Start Date - 11/9/2002

Submittal Due Date - 12/10/2002

WORK ORDER COMPENSATION AMOUNT

- 20
- 21
- 22
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- 30

Prime Contractor shall pay Subcontractor as compensation for Subcontractor services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting personnel required by this Work Order.

Final Payment: Subcontractor shall submit an invoice for final payment within 60 calendar days after completion of all services, including submittal of all deliverables. Failure of Subcontractor to submit an invoice for final payment within 60 calendar days may result in closing of financial accounts related to this Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By:

Name (printed): John Zurek

Title: Lead Subcontract Administrator

Date:

11/16/02

PROPRIETARY

FINAL INVOICE

November 30, 2002

Parsons Infrastructure & Technology Group, Inc.
 4701 Hedgemore Drive
 Charlotte, NC 28209

Re: Limited Scope Asbestos and Lead Rem
 Warrington Central Office
 515 S. Old Corry Field Road
 Pensacola Florida 32507
 GLC Number 31472
 BellSouth Work Request Number 010209784986
 Parsons Project Manager Larry Peterman
 Parsons Work Order Number 0000000000
 Master Agreement Number

a(i)

Total Due This Invoice: A

		B	C	D	E
Description		Quantity	Unit	Unit Rate	Total
1.	Mobilization				
2.	Mobilization				
3.	Project Mileage				
4.	Project Per Diem				
5.	Personnel Decontamination Unit				
6.	Work Area Isolation - Gross Removal				
7.	Removing Lead of painted surfaces using needle gun				
8.	Removal of Asbestos Containing Firestop				
9.	Work Area Isolation - Floor Tile Removal Work Area				
10.	Removal of Asbestos Containing Floor Tile				
11.	Disposal				
12.	Disposal Fee				
13.	Mileage to landfill				
14.	Disposal labor				
15.	Project Management Site Visit/ Coordination				
16.	Per Diem				
17.	Mileage				
18.	Per Hour				
19.	Scaffolding				
20.	Guaranteed Max Credit				
21.	Total Unit Rates				

22.

PROPRIETARY

TOTAL

Parsons

WORK ORDER AUTHORIZATION

revised 08/22/02

NO INVOICES

COPY

PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
 Prime Contract No.
 Prime Asbestos WBS No.: 739302-20111
 BellSouth Work Request No.: 010209784986-001
 Environmental Coordinator: Larry Peterman
 Prime Task Manager: Jim Kalish

SCOPE OF WORK

1 **BellSouth Facility:** 31472 Warrington CO, 515 S. Old Corry Field Rd., Pensacola, FL 32507
 2 **Project Name:** Engine Replacement **Project Contact:**
 3 **Scope of Work:** Provide lead paint abatement services to remove approx. 290 SF of white lead-
 4 containing paint on the concrete ceiling deck in four areas. The work areas are located on the 1st floor
 5 ESS room (between columns 20-29), 1st floor telephone equipment room & receiving room (between
 6 columns 24-25-34), 2nd floor engine room (between columns 24-25-34), and 2nd Floor mechanical
 7 room (between columns 20-29).
 8 Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
 9 seven (7) working days prior to removal operations. Provide notification of removal operations to
 10 BellSouth and the USEPA or designee in accordance with required timelines. Both the notification
 11 and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services
 12 will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide
 13 close-out documentation to Parsons (one copy) no later than 35 days after completion of removal
 14 operations.
 15 **Clarifications:**
 16 application and
 17

18 **Period of Performance:** Project Start Date - 11/9/2002 **Submittal Due Date - 12/10/2002**

WORK ORDER COMPENSATION AMOUNT

19 Prime Contractor shall pay Subcontractor a compensation for Subcontractor
 20 services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
 21 set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
 22 of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
 23 The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
 24 personnel required by this Work Order.
 25 **Final Payment:** Subcontractor shall submit an invoice for final payment within 60 calendar days after
 26 completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an
 27 invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
 28 Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By:

Wayne G... [Signature]

Name (printed): John Zabel

Title: Lead Subcontractor Administrator

Date:

11-04-02

CC: 11205

CI. 41

PROPRIETARY

Parsons

revised 08/22/02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: Prime Asbestos WBS No.: <u>739302-20111</u> BellSouth Work Request No.: <u>010209784986-001</u> Environmental Coordinator: <u>Larry Peterman</u> Prime Task Manager: <u>Jim Kalish</u>	SUBCONTRACTOR:
--	---

SCOPE OF WORK

1.	BellSouth Facility: 31472 Warrington CO, 515 S. Old Corry Field Rd., Pensacola, FL 32507
2.	Project Name: Engine Replacement Project Contact:
3.	Scope of Work: No work is to be conducted for this project.
4.	Clarifications:
5.	
6.	Period of Performance: <u>Project Start Date - 11/9/2002</u> Submittal Due Date - 11/14/2002

WORK ORDER COMPENSATION AMOUNT

7.	Prime Contractor shall pay Subcontractor a _____ as compensation for Subcontractor
8.	services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
9.	set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
10.	of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
11.	The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
12.	personnel required by this Work Order.
13.	Final Payment: Subcontractor shall submit an invoice for final payment within 60 calendar days after
14.	completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an
15.	invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
16.	Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: *John Zabel*

Name (printed): John Zabel

Title: Lead Subcontractor Administrator

Date: 11-27-01

PARSONS

FORM NO. 10/2001

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: <u>B0420</u> Prime Asbestos WBS No.: <u>739302-20111</u> BellSouth Work Request No.: <u>010209784986-001</u> Environmental Coordinator: <u>Larry Peterman</u> Prime Task Manager: <u>Jim Kallish</u>	
--	--

SCOPE OF WORK

1. BellSouth Facility: 31472 Warrington CO, 515 S. Old Conry Field Rd., Pensacola, FL 32507 2. Project Name: Engine Replacement Project Contact: 3. Scope of Work: Provide lead paint monitoring and construction surveillance services for removal of 4. approx. 290 SF of white lead-containing paint from the concrete ceiling deck in four areas. The 5. estimate is based on approx. six work days. Services to include collection and analysis of wipe 6. samples, air samples, and TCLP of waste. This estimate also includes attendance at a planning 7. meeting held at the facility on 10/30/02. 8. Lead air monitoring and construction surveillance services are to be performed in accordance with 9. applicable regulations and BellSouth policies and protocols. Upon completion of removal activities 10. the Consultant will post clearance data at the project site. In addition, the Consultant will forward a 11. reoccupancy letter to Parsons within one work day. A final lead abatement report is to be forwarded to 12. Parsons within 2 weeks after completion of on-site activities. 13. Certifications: 14.	
15. Period of Performance: Project Start Date - 10/22/2002 Submittal Due Date - 12/06/2002	

WORK ORDER COMPENSATION AMOUNT

16. Prime Contractor shall pay Subconsultant a _____ as compensation for 17. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in 18. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the 19. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform 20. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional, 21. technical and supporting personnel required by this Work Order. 22. Final Payment: Subconsultant shall submit an invoice for final payment within 60 calendar days after 23. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an 24. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this 25. Work Order and non-payment of the final invoice.	
---	--

PARSONS

APPROVED: _____
 By: [Signature]
 Name (printed): John Zabel
 Title: Lead Subcontract Administrator
 Date: 11/6/02

31472-739302-0000-1.doc

PROPRIETARY *mm 11.6.02*

Parsons
Procurement Dept.
4701 Hedgemore Dr.
Charlotte, NC 28209

Inv. Date: 12/09/02

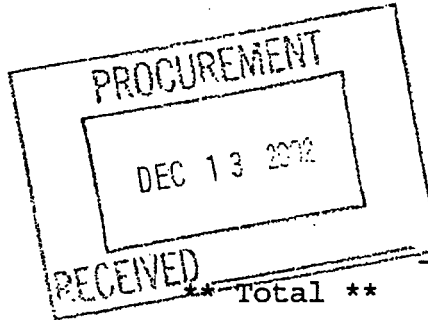
Lead Based Paint Abatement GLC31472

Description: Lead Based Paint Abatement at the
Warrington CO in Pensacola, FL
GLC #31472

A
For Professional Services
Rendered Through 11/29/02

Labor

Other Direct Charges



** Total **

Previous Billings **

Maximum Fee **

Amount Due This Invoice **

RD

Approved By

PROPRIETARY

Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28029

Invoice Date: 12/9/02
 Invoice No.: 211032
 Client Ref: -

SubContract No.:730975-51042

A
 SALARY & EXPENSE DETAIL

	B	C	D	E
	DATE	HOURS	RATE	AMOUNT
1.	11/1/02			
2.	11/1/02			
3.	11/8/02			
4.	11/15/02			
5.	11/22/02			
6.	11/29/02			
7.	11/29/02			
8.	11/15/02			
9.	11/15/02			
10.	11/8/02			
11.	11/29/02			
12.	11/29/02			

13.

OTHER EXPENSES

	F	G	H
	COST/QTY	RATE	AMOUNT
14.			
15.			
16.			
17.			

18.

Subtotal _____
TOTAL THIS INVOICE _____

Approved By: _____

PROPRIETARY

Parsons

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: B0420
Prime Asbestos WBS No.: 739302-20111
BellSouth Work Request No.: 010209784986-001
Environmental Coordinator: Dennis Porche
Prime Task Manager: Jim Kalish

SCOPE OF WORK

- 1. **BellSouth Facility:** 31472 PNSC Warrington CO, 515 S. Old Cory Field Rd., Pensacola, FL 32507
- 2. **Project Name:** Power Room Renovation **Project Contact:** _____
- 3. **Scope of Work:** Provide asbestos and limited lead survey and sampling services as required to
- 4. identify suspect asbestos or lead containing materials that may be impacted by planned construction
- 5. activities associated with the power room renovation on the first and second floor in the Northwest and
- 6. Southwest area.
- 7. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
- 8. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
- 9. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
- 10. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
- 11. submitted in hard copy to Parsons within the same timeframe.
- 12. **Clarifications:**

13. **Period of Performance:** Project Start Date - 10/22/2002 **Submittal Due Date** - 11/05/2002

WORK ORDER COMPENSATION AMOUNT

14. Prime Contractor shall pay Subconsultant a _____ as compensation for

15. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in

16. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the

17. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform

18. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,

19. technical and supporting personnel required by this Work Order.

20. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after

21. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an

22. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this

23. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Dennis Porche

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 10/23/02

CC: 7471 CT: 62M 10.25.02

Parsons
4701 Hedgemore Drive
Charlotte, NC 28029

Invoice Date
Invoice No.
Client Ref: 739302-80069
Client No. 6536

SubContract No.:730975-51042

FINAL INVOICE

SALARY & EXPENSE DETAIL

- 1. Project Manager
- 2. Project Manager
- 3. Asbestos Tech
- 4. Asbestos Tech
- 5. Asbestos Specialist Sr.
- 6. Laboratory
- 7. Administrative Staff
- 8. Administrative Staff
- 9.

B	C	D	E
DATE	HOURS	RATE	AMOUNT
10/25/02			
11/1/02			
10/25/02			
11/1/02			
8/16/02			
11/8/02			
11/22/02			
11/22/02			

OTHER EXPENSES

- 10. Travel Mileage
- 11. Lab Testing & Analysis
- 12. Project Supplies
- 13. Federal Express
- 14.
- 15.

F	G	H
COST/QTY	RATE	AMOUNT

Subtotal

TOTAL THIS INVOICE

Approved By

PROPRIETARY

Parsons
Procurement Dept.
4701 Hedgemore Dr.
Charlotte, NC 28209

Client No: _____
Inv. Date: _____
Client Ref: 739302-80069
Invoice #: _____

GLE Project Number: 02-760-00008 Pensacola-Warrington-Asbestos

Description: Asbestos and Lead Survey
GLC #31472

A

B

C.

1. For Professional Services
Rendered Through 11/29/02

2. Labor

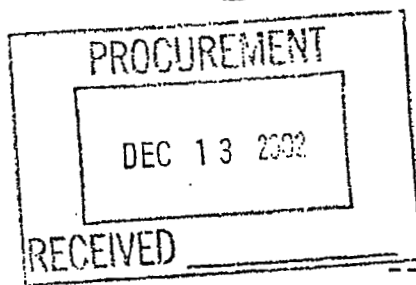
3. Other Direct Charges

4.

5.

6.

7.



** Total **

Previous Billings **

Maximum Fee **

Amount Due This Invoice **

RCV

Approved By _____

PROPRIETARY

WORK ORDER /

PRIME CONTRACTOR:

Parsons Infrastructure & Technology Group, Inc.
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.

Prime Contract: _____

Work Order No.: 739302-80015

Prime WBS No.: 739302-20111

Work Order Revision No.: 0

BellSouth Work Request No.: 010209784986-001

Master Agreement No.: 730975-50003-00

Asbestos Coordinator: Kevin Holloran

Consultant Contact _____

Prime Task Manager: John McGee

Phone/Fax No.: _____

SCOPE OF WORK

- 1. **BellSouth Facility:** GLC 31472 Warrington - Pensacola, FL
- 2. **Project Name:** Engine Replacement **Project Contact:** _____
- 3. **Scope of Work:** Provide asbestos survey and limited lead containing paint survey as required to identify suspect asbestos-containing materials and lead containing paint materials/coatings that may be impacted by planned construction activities associated with engine replacement project.
- 4.
- 5.
- 6. Asbestos survey and samples services are to be performed in accordance with applicable BellSouth policies and protocols
- 7. Lead survey and sampling services are to be performed in accordance with applicable OSHA and BellSouth policies and protocols.
- 8.
- 9. An electronic submission of asbestos survey findings is to be forwarded to _____ within 2 weeks of on-site activities. Homogeneous area photographs (if permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be submitted in hard copy to Parsons within the same timeframe.
- 10.
- 11.
- 12. A hard copy submission of lead survey findings is to be forwarded to _____ within 2 weeks of on-site activities including homogenous area photographs (if permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs.
- 13.
- 14. Additional Pages Attached 0
- 15. **Period of Performance:** Project Start Date - 8/30/01 Submittal Due Date - 9/17/01

WORK ORDER COMPENSATION AMOUNT

Prime Contractor shall pay Subconsultant a _____ as compensation for Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional, technical and supporting personnel required by this Work Order.

PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.

APPROVED:

By: *Greg Moninger*

Name (printed): Greg Moninger

Title: Deputy Environmental Program Manager

Date: 10/01/01

PROPRIETARY

FORMAT: FS9

11e
1
1

Parsons Engineering Science, I
ATTN: Accounts Payable
4701 Hedgemore Drive
Charolette, NC 28209
US

Project #
Project Site # 1290660

*E-APPROVED
12/6/01*

Page -
Date -
Client # -
Invoice # -
PM Loc -
Proj Mgr -

Account Notes:

Parsons/Pensacola Warrington
GLC: 31472

Work Order # 739302-80015

Cost Cd	Cost Cd Description	A Date	B Units	C Rate	D Amount
---------	---------------------	-----------	------------	-----------	-------------

01
0100
010000

01000000 Pensacola Warrington
Labor Req Home Off

L167					
09/28/01					1.
L155					
08/24/01					2.
08/27/01					3.
08/28/01					4.
L020					
11/02/01					5.
11/09/01					5.
11/16/01					7.

Material - OS
- - - - -

LOCK BAGS- 09/26/01 8.

Sub - General
IATL

1347118 09/13/01 9.

1347116 09/13/01 10.

Other Out Serv
- - - - -

10/22/01 11.
10/22/01 12.

TOTAL FOR Pensacola Warrington 13.

88
8888
888888

FORMAT: FS9

Project #
Project Site # 1290660

Parsons Engineering Science, I
ATTN: Accounts Payable
4701 Hedgemore Drive
Charolette, NC 28209
US

Page
Date
Client #
Invoice
PM Loc
Proj Mgr
Rate

Cost Cd	Cost Cd Description	Date	Units	Rate	
88888888	Commercial Billing	A	B	C	D
	Labor Reg Home Off	L044			1.
		08/24/01			2.
		10/05/01			3.
		L167			4.
		10/12/01			5.
		10/26/01			6.
		11/02/01			7.
	TOTAL FOR Commercial Billing				8.
	Sub Total:				9.
	Total Fee:				10.
	Total Taxable Amount:				11.
	Total Tax				12.
	Total For: ***** This Invoice *****				13.

PROPRIETARY

FORMAT: FS9

TERMS:

=====
Billing Through 02/01/02
=====

Project # 830902
Project Site # 1290660

Parsons Engineering Science, I
ATTN: Accounts Payable
4701 Hedgemore Drive
Charolette, NC 28209
US

Page
Date
Client #
Invoice #
PM Loc
Proj Mgr

Account Notes:

Parsons/Pensacola Warrington
GLC: 31472
Work Order #739302-80015 ✓

Cost Cd	Cost Cd Description	A Date	B Units	C Rate	D Amount
01					
0100					
010000					
01000000	Penscola Warrington				
	Labor Reg Field				
		L146			
		11/30/01			1.
	Labor Reg Home Off				
		L020			
		11/26/01			2.
		11/29/01			3.
		11/30/01			4.
		12/06/01			5.
	TOTAL FOR Penscola Warrington				6.
00					
8888					
8888888					
88888888	Commercial Billing				
	Labor Reg Home Off				
		L044			
		11/30/01			7.
		L167			
		11/30/01			8.
	Office Services	01/11/02			9.
	TOTAL FOR Commercial Billing				10.
	Sub Total:				11.
	Total Fee:				12.

PROPRIETARY

=====
Billing Through 02/01/02
=====

Project # 830902
Project Site # 1290660

Parsons Engineering Science, I
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Page -
Date -
Client # -
Invoice # -
PM Loc -
Proj Mgr -
Rate -

Cost Cd	Cost Cd Description	Date	Units	Rate
1.				Total Taxable Amount:
2.				Total Tax
3.	Total For:			***** This Invoice *****

*Approved for
payment
J. Loney
2/12/02*

PARSONS

WORK ORDER AUTHORIZATION

Prism

PRIME CONTRACTOR:
Parsons Infrastructure & Technology Group, Inc.
4701 Hedgemore Drive
Charlotte, NC 28209
Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: BG0420
Prime WBS No.: 737132-21531
BellSouth Work Request No.: 000817708459
Asbestos Coordinator: Dennis B. Porche
Prime Task Manager: Augustine Quattrocchi

SCOPE OF WORK

1. **BellSouth Facility:** GLC M2139, Grande CO, 45 NW 5th St., Miami, FL
2. **Project Name:** New Power Room(Basement & 1st floor) **Project Contact:**
3. **Scope of Work:** Provide asbestos survey and sampling services as required to identify suspect
4. asbestos-containing materials that may be impacted by planned construction activities to free up space
5. on the 1st floor for equipment growth.
6. Asbestos survey and sampling services are to be performed in accordance with applicable BellSouth
7. policies and protocols.
8. An electronic submission of survey findings is to be forwarded to Dennis B. Porche within 2 weeks of
9. on-site activities. Homogeneous area photographs (if permitted), floor plan sketches of the project
10. area, laboratory data sheets, and sample logs will be submitted in hard copy to Parsons within the same
11. timeframe.

Additional Pages Attached

12 **Period of Performance:** Project Start Date 11/15/00 Submittal Due Date 1/1/01

WORK ORDER COMPENSATION AMOUNT

13 Prime Contractor shall pay Subconsultant a _____ as compensation for
14 Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
15 accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
16 Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
17 the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
18 technical and supporting personnel required by this Work Order.

PARSONS INFRASTRUCTURE & TECHNOLOGY
GROUP, INC.

APPROVED:

By: *D. B. Porche*

Name (printed): Dennis B. Porche

Title: Environmental Coordinator

Date: 12/11/00

PR Sht

737132-21531-7101-62

m2139-3.doc

** TOTAL PAGE.12 **

PROPRIETARY

Page 56

JMS

FEB 08 2002 17:04
PARSONS



WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:	
Parsons Infrastructure & Technology Group, Inc. 4701 Hodgson Drive Charlotte, NC 28209	
Client Name: <u>BellSouth Telecommunications, Inc.</u>	
Prime Contract No.: <u>80420</u>	
Prime Asbestos WBS No.: <u>237132-21531</u>	
BellSouth Work Request No.: <u>000817708459</u>	
Task Manager: <u>Austin Overmire</u>	
Asbestos Coordinator: <u>Dennis B. Parche</u>	

SCOPE OF WORK

1.	BellSouth Facility: M2139, Grande C.O.; 45 NW 5 th Street, Miami, FL
2.	Project Name: Power Room Relocation Project Contact:
3.	Scope of Work: Provide abatement air monitoring and construction surveillance services during
4.	abatement of Generator Room with DFC General Contractors.
5.	Asbestos and lead air monitoring and construction surveillance services are to be performed in
6.	accordance with applicable regulations and BellSouth policies. Upon completion of removal activities,
7.	the Consultant will post clearance data at the project site. In addition, the Consultant will forward a re-
8.	occupancy letter to Parsons within one work day.
9.	A final asbestos/lead abatement report with air monitoring data is to be forwarded to Dennis B. Parche
10.	within 2 weeks after completion of on-site activities.
11.	Original Work Order =
12.	Period of Performance: <u>Project Start Date - 2/14/02</u> <u>Substantial Date - 2/15/02</u>

WORK ORDER COMPENSATION AMOUNT

13 Prime Contractor shall pay Subconsultant a Not to exceed compensation for
 14 Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
 15 accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
 16 Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
 17 the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
 18 technical and supporting personnel required by this Work Order.

PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.	
APPROVED:	
By:	<u>[Signature]</u>
Name (Print):	<u>[Name]</u>
Title:	<u>LEAD SUBCONTRACT ADMIN</u>
Date:	<u>6/3/02</u>

PROPRIETARY

Please make a note of our new address and remit check and remittance copy of invoice to:

PARSONS INFRASTRUCTURE & TECHNOLOGY
PROCUREMENT DEPT.
4701 HEDGEMORE DR.

CHARLOTTE , NC 28209 US

INV. DATE : 05/23/02
INVOICE # :
CLNT PRJ # : 737132-80040
CONTRACT # : 730975-50006-00
PROJECT # : 40700-0-8423

NEW POWER ROOM (BASEMENT & 1ST FL.)

CLIENT # : 134287

GLC NO: GLC M2139 - GRANDE

FOR PROFESSIONAL SERVICES RENDERED THROUGH: 05/17/02

- 1. LABOR :
- 2. LABOR AT FIXED RATES
- 3. *** TOTAL LABOR
- 4. EXPENSES :
- 5. OTHER DIRECT CHARGES
- 6. UNIT PRICING BASED ON SCHEDULE RATE
- 7. *** TOTAL EXPENSES
- 8. PROJECT FEE:
- 9. ~~PRIOR BILLINGS:~~
- 10. TOTAL AVAILABLE:
- 11. TOTAL THIS INVOICE
- 12. AMOUNT DUE THIS INVOICE

A

B

C

D

PROPRIETARY

Please make a note of our new address and remit check and remittance copy of invoice to:

INVOICE #:
PROJECT #: 40700-0-8423

PAGE : 1
INV. DATE : 05/23/02
CLIENT REF: 730975-50006-00

L A B O R & E X P E N S E D E T A I L

PHASE: 01 ABATEMENT

TASK : 606 ASBESTOS LEAD PAINT

A	B	C	D	E
LABOR :		HOURS	RATE	AMOUNT
LABOR AT FIXED RATES				
Staff Professional	02/08/02			1.
	02/12/02			2.
	03/05/02			3.
	03/06/02			4.
	03/07/02			5.
	03/08/02			6.
	03/15/02			7.
				8.
Senior Professional	02/05/02			9.
	02/15/02			10.
				11.
Word Processor	02/15/02			12.
				13.
				14.
*** TOTAL LABOR ***				15.

PROPRIETARY

Please make a note of our new address and remit check and remittance copy of invoice to:

INVOICE #:
PROJECT #: 40700-0-8423

PAGE : 2
INV. DATE : 05/23/02
CLIENT REF: 730975-50006-00

LABOR & EXPENSE DETAIL

PHASE: 01 ABATEMENT (cont.)

A		B	C	D
EXPENSES:				
OTHER DIRECT CHARGES				
		COST	RATE	AMOUNT
Subcontractors-Outside Labs				
EMSL ANALYTICAL INC				
1.	20018502	03/13/02		
2.	20018462	03/12/02		
3.	20017533	02/12/02		
4.	***			
5. Direct Express Shipments				
6. FEDERAL EXPRESS				
7.		02/11/02		
8.		03/08/02		
9.	***			
10. *** OTHER DIRECT CHARGES TOTAL				
11. UNIT PRICING BASED ON A RATE SCHEDULE		E	F	G
	QUANTITY		RATE	AMOUNT
12. MILEAGE, COMPANY OR PERSONAL VEHICLE				
13.	20343406	03/13/02		MILE
14.	*** UNIT TOTAL			
15. POLARIZED LIGHT MICROSCOPY (PLM), ASBESTOS BULK/24 HR-1ST LAYER				
16.	20339304	02/15/02		EACH
17.	*** UNIT TOTAL			

PROPRIETARY

Please make a note of our new address and remit check and remittance copy of invoice to:

INVOICE #:
PROJECT #: 40700-0-8423

PAGE : 3
INV. DATE : 05/23/02
CLIENT REF: 730975-50006-00

LABOR & EXPENSE DETAIL

PHASE: 01 ABATEMENT (cont.)

A	B	C	D
EXPENSES :			
UNIT PRICING BASED ON A RATE SCHEDULE	QUANTITY	RATE	AMOUNT
*** UNIT PRICING BASED ON A RATE SCHEDULE TOTAL			1.
*** TOTAL EXPENSES ***			2.
** TOTAL TASK	506		3.
** TOTAL PHASE	01		4.
** TOTAL PROJECT	40700-0-8423		5.

PROPRIETARY

PARSONS

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons Infrastructure & Technology Group, Inc. 4701 Hedgemore Drive Charlotte, NC 28209	SUBCONSULTANT: [Blank]
Client Name: <u>BellSouth Telecommunications, Inc.</u>	
Prime Contract No.: <u>BG0420</u>	
Prime WBS No.: <u>737132-21531</u>	
BellSouth Work Request No.: <u>000817708459</u>	
Asbestos Coordinator: <u>Tracey Feeney</u>	
Prime Task Manager: <u>Augie Quattrocchi</u>	

SCOPE OF WORK

1. BellSouth Facility: M2139 Miami Grande, 45 NW 5th St., Miami, FL
2. Project Name: Power Room Relocation Project Cont#
3. Scope of Work: Provide asbestos/lead survey and sampling services as required to identify suspect
4. asbestos/lead-containing materials that may be impacted by planned construction activities
5. Asbestos/lead survey and sampling services are to be performed in accordance with applicable
6. BellSouth policies and protocols.
7. An electronic submission of survey findings is to be forwarded within 2 weeks of on-
8. site activities. Homogeneous area photographs (if permitted), floor plan sketches of the project area,
9. laboratory data sheets, and sample logs will be submitted in hard copy to Parsons within the same
10. timeframe.

Additional Pages Attached _____

11. Period of Performance: Project Start Date 4/20/01 Submittal Due Date 6/15/01

WORK ORDER COMPENSATION AMOUNT

12. Prime Contractor shall pay Subconsultant a Not to _____ as compensation for Subconsultant
13. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
14. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
15. of the Master Agreement referenced above, the Subconsultant hereby agrees to perform the work as described.
16. The Subconsultant shall furnish all necessary facilities, materials and professional, technical and supporting
17. personnel required by this Work Order.

PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.	
APPROVED:	
By: <u>[Signature]</u>	
Name (printed): <u>Greg Moninger</u>	
Title: <u>Deputy Environmental Program Manager</u>	
Date: <u>04/23/01</u>	

Project - [unclear] - [unclear]

forwarded?

forwarded to Robin 4/23/01

PROPRIETARY

Page 62

FORMAT:
TERMS: NET 45
REMIT TO:

WEB

US

33

Billing Through 07/08/01

Project #
Project Site # 1

Parsons Int Group
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Page - 1
Date - 08/01/01
Client # -
Invoice #
PM Loc -
Proj Mgr - 1228887

Account Notes:

Parsons/Miami Grande
GLC# M2139
Work Order #737132-80081
Site Location: 45 NW 5th St., Miami, FL 33128

Cost Cd	Cost Cd Description	Date	Units	Rate	Amount
01	A	B	C	D	
0100					
010000					
01000000	Power Relocation				
	Power Rel Home Off				
		L044			1.
		L167			2.
		07/03/01			3.
		L056			4.
		28/01			5.
		L020			6.
		06/21/01			7.
		08/25/01			8.
			E	F	G
	TRUCK RAMP	06/05/01			9.
	1505717B	06/06/01			10.
	1505717B				11.
	Other Out Serv				12.
	IATL				13.
	1290103	06/14/01			
	TOTAL FOR Power Relocation				
	Sub Total:				
	Total Fee:				
	Total Taxable Amount:				

Approved for Payment

PROPRIETARY

FORMAT: FS9
TERMS: NET 45
REMIT TO:

FOR INQUIRIES:

US

=====
Billing Through 07/08/01
=====

Project #
Project Site # 1280500

Parsons Int Group
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Page - 2
Date - 04/01/01
Client # -
Invoice # -
PM Loc -
Proj Mgr - A

Cost Cd	Cost Cd Description	Date	Units	Rate	Amount
	Total Tax			.00	
Total For: ***** This Invoice *****					

PROPRIETARY

Page 64

FORM 759
TERMS: NET
REMIT TO:

483 Jack

Billing Through 09/14/01

Project #
Project Site #

Parsons Int Group
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Page - 1
Date - 09/28/01
Client #
Invoice #
PM Loc
Proj Mgr

Account Notes:
Parsons/Miami Grande
GLC# M2139
Work Order #737132-80081
Site Location: 45 NW 5th St, Miami, FL 33128
Invoice copy to Tracy Feeney

Cost Cd Cost Cd Description Date Units Rate Amount

01	A	B	C	D	E
0100					
010000					
0100000	Power Relocation				
	L				
		n J.	L044		1.
		09/10/01			
		L167			2.
		08/23/01			
		08/24/01			3.
	Other Out Serv				
	IATL				
	1318633	07/31/01			4.
	1318615	07/31/01			5.
	TOTAL FOR Power Relocation				6.

88
8888
888888
8888888 COMMERCIAL BILLING
Labor Reg Home Off

		L044			7.
		08/28/01			
	TOTAL FOR COMMERCIAL BILLING				8.
	Sub Total:				9.
	Total Fee:				10.

Approved for
signature

PROPRIETARY

03

03

Billing Through 09/14/01

Project #
Project Site #

Parsons Int Group
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Date - 2
09/28/01
Client # -
Invoice #

PM Loc -
Proj Mgr -

Cost Cd	Cost Cd Description	Date	Units	Rate	Amount
---------	---------------------	------	-------	------	--------

- 1. Total Taxable Amount: _____
- 2. Total Tax _____
- 3. Total For: ***** This Invoice *****

PROPRIETARY

FORMAT: FS9
TERMS: NET 45

1e

=====
Billing Through 06/08/01
=====
Project #
Project Site #

Parsons Int Group
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Page -
Date -
Client # -
Invoice # -
PM Loc -
Proj Mgr -

Account Notes:

Parsons/Miami Grande
GLC# M2139
Work Order #730975-50003-00
Site Location: 45 NW 5th St., Miami, FL 33128

Cost Cd Cost Cd Description Date Units Rate Amount

Cost Cd	Cost Cd Description	Date	Units	Rate	Amount
	A	B	C	D	E
01					
0100					
010000					
01000000	Power Relocation				
	Labor Reg Home Off				
		L044			
		04/24/01			1.
		05/30/01			2.
		L044			
		04/20/01			3.
		05/01/01			4.
		L021			
		04/20/01			5.
		06/08/01			6.
		L167			
		04/27/01			7.
		05/04/01			8.
		05/04/01			9.
		05/04/01			10.
		L056			
		04/27/01			11.
		05/04/01			12.
	Labor OT Home Off				
		L021			
		04/20/01			13.
	Labor Prem Home Off				
		L021			
		04/20/01			4.
	Material - OS				
	Citibank				
	ENV				
		-----VANNAIS 03/22/01			15.

Approved
1/02/02

PROPRIETARY

FORMAT: FS9

TERMS: NET 45

REMIT TO:

0132

=====
Billing Through 06/08/01
=====

Project #
Project Site #

Page - 2
Date - 06/22/01
Client # -
Invoice # -
PM Loc -
Proj Mgr -

Parsons Int Group
ATTN: Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209
US

Cost Cd	Cost Cd	Description	Date	Units	Rate	Amount
A			B	C	D	E
						TOTAL FOR Power Relocation 1.

99
9999
999900
99990000

Dispatch
Truck, pickup
1505794E
1505794E

04/20/01 2.
04/21/01 3.

TOTAL FOR Dispatch 4.

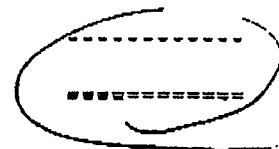
Sub Total: 5.

Total Fee: 6.

Total Taxable Amount: 7.

Total Tax 8.

Total For: ***** This Invoice ***** 9.



PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.:
Prime Asbestos WBS No.: 737132-21531
BellSouth Work Request No.: 000817708459
Environmental Coordinator: Larry Peterman
Prime Task Manager: Augustine Quatrocchi



SCOPE OF WORK

1. **BellSouth Facility:** M2139 Grande CO, 45 NW 5th St., Miami, FL 33128
2. **Project Name:** Grande C.O.-Power Room Relocation to Basement **Project Contact:**
3. **Scope of Work:** Provide lead paint abatement air monitoring and construction surveillance services
4. for removal of approx. 350 SF of lead-containing tan paint on block wall from the first floor engine
5. room. Also perform lead wipe clearance and TCLP sampling and analysis.
6. Lead air monitoring and construction surveillance services are to be performed in accordance with
7. applicable regulations and Bellsouth policies. Upon completion of removal activities, the Consultant
8. will post clearance data at the project site. In addition, the Consultant will forward a re-occupancy
9. letter to Parsons within one work day. A final lead abatement report with air monitoring data is to be
10. forwarded to Parsons within 2 weeks after completion of on-site activities.
11. **Clarifications:**
12. **Period of Performance:** Project Start Date - 10/31/2002 Submittal Due Date - 11/14/2002

WORK ORDER COMPENSATION AMOUNT

13. Prime Contractor shall pay Subconsultant a _____ as compensation for
14. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
15. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
16. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
17. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
18. technical and supporting personnel required by this Work Order.
19. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
20. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
21. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
22. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: Larry Peterman

Name (printed): Larry Peterman

Title: Environmental Coordinator

Date: 11/13/02

CC: 7328 CI: 62

JM
11.15.02

PROPRIETARY

10



..... INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC. INVOICE NO.
61 ST. JOSEPH STREET, SUITE 1300 DATE: _____
MOBILE, ALABAMA 36602

AUTHORIZED BY:
MR. LARRY PETERMAN

MASTER AGREEMENT #: 730975-50033-01
WORK REQUEST/ORDER NO.: 000817708459 / 737132-80110
BUILDING NAME/GLC # MIAMI GRANDE ESS / M2139
PARSONS PROJECT #: 440019-91030

LEAD-BASED PAINT CONSULTING SERVICES

MIAMI GRANDE ESS - 1st FLOOR GENERATOR ROOM
45 NW 5 STREET, MIAMI, FLORIDA 33127

- 1. 11/01/2002 PROJECT/AIR MONITORING A B C D
- 2. 11/02/2002 PROJECT/AIR MONITORING
- 3. 11/21/2002 COMPILATION OF REPORT
- 4. SUB TOTAL
- 5. SUB TOTAL :
- 6. ANALYSIS OF
- 7. MILAGE - :
- 8. AMOUNT DUE

9. * NO BACK-UP for cost

approved for Payment [Signature] 12/2/02

PLEASE CONTACT _____ QUESTIONS _____

TERMS: AS PER CONTRACT

PROPRIETARY

ym 12-02-02
Page 70

SENT

02/25/02

DABONG

NO. 858 P003
PAGE 3/3

FEB-25-02 10:37AM

Parsons

WORK ORDER AUTHORIZATION

41737

PRIME CONTRACTOR: Parsons 6701 Hodgmore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: Prime Account WBS No.: <u>737132-21531</u> BellSouth Work Request No.: <u>000817708459</u> Environmental Coordinator: <u>Donna D. Forche</u> Task Manager: <u>Auni Osumachi</u>	SUBCONTRACTOR:
--	---

SCOPE OF WORK

1. BellSouth Facility: M2139, Miami Grande; 45 NW 5th Street, Miami, FL
2. Project Name: Power Room Relocation Project Contact:
3. Scope of Work: Provide asbestos abatement services as necessary to remove 62 SF of floor tile, 226
4. LF of pipe insulation, 8 pipe fittings, 80 SF of generator exhaust, 1 gasket along with 588 SF of
5. concrete pad coated with a lead containing paint as required by planned construction activities.
6. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
7. seven (7) working days prior to removal operations. Provide notification of removal operations to
8. BellSouth and the USEPA or designee in accordance with required timelines.
9. Both the notification and MOP will be posted at the site in accordance with BellSouth policy.
10. Asbestos abatement services will be performed in accordance with applicable regulatory guidelines and
11. BellSouth policies. Provide close-out documentation to the Consultant (one copy) no later than 35 days
12. after completion of removal operations.
13. Period of Performance: Project Start Date: TBD Submittal Date: TBD

WORK ORDER COMPENSATION AMOUNT

14. Contractor shall pay Subcontractor _____ as compensation for Subcontractor
 15. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
 16. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
 17. of the Master Agreement referenced above, Subcontractor hereby agrees to perform the work as described. The
 18. Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
 19. personnel required by this Work Order.

PARSONS

APPROVED: _____
 By: [Signature]
 Name (printed): [Name]
 Title: [Title]
 Date: 2/25/02

DPC General Contractors, Inc

CONTROL NUMBER: M2139-737132-21531.doc

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgescove Drive Charlotte, NC 28209 Client Name: BellSouth Telecommunications, Inc. Prime Contract No.: Prime asbestos WBS No.: 737132-21531 BellSouth Work Request No.: 000817708459 Environmental Coordinator: Larry Robinson Prime Task Manager: Angelina Onastroch	SUBCONTRACTOR:
--	---

SCOPE OF WORK


1. BellSouth Facility: M2139 Grande CO, 45 NW 5th St, Miami, FL 33128
2. Project Name: Power Room Relocation Project Contact:
3. Scope of Work: Provide lead paint abatement services as necessary to remove 150 of lead
4. containing tin paint and block wall from the first floor engine room as required by planned
5. construction activities.
6. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
7. seven (7) working days prior to removal operations. Provide notification of removal operations to
8. BellSouth and the USEPA or designee in accordance with required notices. Both the notification
9. and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services
10. will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide
11. close-out documentation to Parsons (one copy) no later than 35 days after completion of removal
12. operations.
13. **Classification:**
14. _____
15. **Period of Performance:** Expires Start Date - 10/31/02 Submittal Due Date - 12/19/02

WORK ORDER COMPENSATION AMOUNT

16. Prime Contractor shall pay Subcontractor (_____) as compensation for Subcontractor
17. services performed pursuant to this Work Order. Work Order compensation shall be in accordance with rates
18. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
19. of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
20. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
21. personnel required by this Work Order.
22. **Final Payment:** Subcontractor shall submit an invoice for final payment within 60 calendar days after
23. completion of all services, including submittal of all deliverables. Failure of Subcontractor to submit an
24. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
25. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: 

Name (print): John Zabel

Title: Lead Subcontract Administrator

Date: 10/31/02

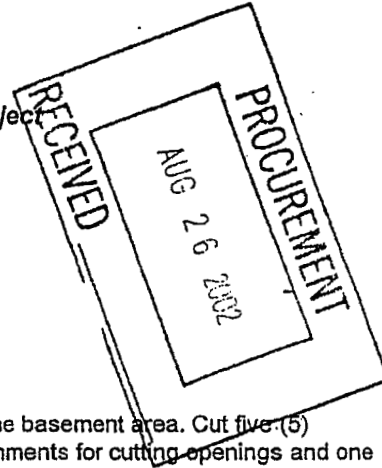
PROPRIETARY

REQUISITION FOR PAYMENT NO: 1

August 14, 2002

TO: PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.
 4701 Hegemore Drive
 Charlotte, North Carolina 28209
 Attn.: Accounts Payable

PROJECT: Asbestos Abatement
BELLSOUTH - Miami Grande - Power Relocation Project
 45 NW 5th Street
 Miami, Florida
 Work Order No: 7371
 Master Agreement No
 Prime Contract No.: B
 Parsons Asbestos WE
 BellSouth Work Request No.



Scope of Work: Remove and dispose of CMU walls, doors and frames from the basement area. Cut five (5) openings through block walls (1'x1') each four (4) mini containments for cutting openings and one (1) for wall and doors each.

Start Date: 03/05/2002

Completion Date: 03/15/2002

A Unit Cost Description	B NESHAPS	C Total Units	D Total Cost
Mobilizations			
< or = 60 mile radius			1.
Decontamination Unit Fees			
3 Chamber Unit with 2 Airlocks			2.
1 Stage Poly Decon			3.
Asbestos Abatement Unit			
Floor Tile and Mastic (Non Friable)			4.
Pipe Insulation >3" diameter (accessible)			5.
Pipe fittings accessible			6.
Pipe fittings removed by glovebag			7.
Generator exhaust insulation			8.
Scaffolding (for access to height in excess of 10')			9.
Anti-Static Poly - one roll			10.
Lead - on block wall - Remove paint and block as component - plus concrete pads			11.
Lead - door and frame removal from block / drywall			12.
Mini containment for lead removal			13.
Disposal construction debris			14.
Total Proposal Amount			15.

E

CONTRACT SUM TO DATE
 VALUE OF WORK PERFORMED TO DATE
 RETAINAGE: of Completed Work
 TOTAL EARNED LESS RETAINAGE
 LESS PREVIOUS CERTIFICATES FOR PAYMENT
TOTAL REQUESTED THIS INVOICE

F

✓16
 17
 18
 19
 20
 21

PROPRIETARY

REQUISITION FOR PAYMENT NO: 1

November 6, 2002

Invoice

TO: PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.
4701 Hegemore Drive
Charlotte, North Carolina 28209
Attn.: Accounts Payable

PROJECT: **Lead Abatement**
BELLSOUTH - Miami Grande - 1st Floor Generator Room
45 NW 5th Street
Miami, Florida
Work Order No: 737132-9000
Master Agreement No.:
Prime Contract No.:
Parsons Asbestos WBS.
BellSouth Work Request no.: 00817708459



Scope of Work: 1st Floor, Engine Room # 119, two areas of 1 block wall, lead containing, to be removed. One (1) 21 LFX13 FT and 6 LFX13 FT. Full containment, negative air, three stage decon to be used to performed the work.
Construct work area containment consisting of lead danger signs, one layer of six mil poly on critical barrier walls, and ceiling and minimum of three-stage wet decon unit. Remove materials using water and manual methods.

Start Date: 11/1/2002

Completion Date: 11/1/2002

A Unit Cost Description	B	C Total Units	D Total Cost
	> or = 180 SF		
	> or = 260 LF		
	> or = 35 CF		

Mobilizations

< or = 60 mile radius

Decontamination Unit Fees

3 Chamber Unit with 2 Airlocks

Asbestos Abatement Unit

Scaffolding (for access to height in excess of 10')

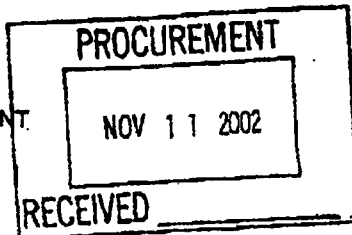
Anti-Static Poly - one roll

Lead - on block wall - Remove paint and block as component

Total Proposal Amount

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

CONTRACT SUM TO DATE
 VALUE OF WORK PERFORMED TO DATE
 RETAINAGE: 0% of Completed Work
 TOTAL EARNED LESS RETAINAGE
 LESS PREVIOUS CERTIFICATES FOR PAYMENT
 TOTAL REQUESTED THIS INVOICE



- 7.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.

11/14/02

PROPRIETARY

Submittals not received as of 11/13/02 Approve for payment of
Advised Kathy Hernandez at DPC that they will need to submit invoice for remaining amount with submittals
Larry D. Peterson 11/14/02

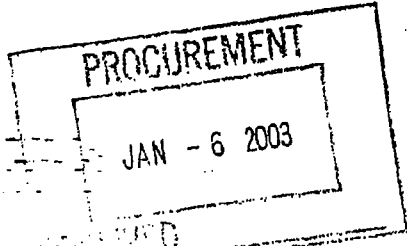
REQUISITION FOR PAYMENT NO: 1

December 30, 2002

Invoice

TO: PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.
 4701 Hegemore Drive
 Charlotte, North Carolina 28209
 Attn.: Accounts Payable

PROJECT: Lead Abatement
BELLSOUTH - Miami Grande - 1st Floor Generator Room •
 45 NW 5th Street
 Miami, Florida
 Work Order No: 737132-90059 ✓
 Master Agreement No.: 730975-50016-01
 Prime Contract No
 Parsons Asbestos WBS No.: 737132-21531 ✓
 BellSouth Work Request No.: 00817708459



Scope of Work: 1st Floor, Engine Room # 119, two areas of 1 block wall, lead containing, to be removed. One (1) 21 LFX13 FT and 6 LFX13 FT. Full containment, negative air, three stage decon to be used to performed the work.
 Construct work area containment consisting of lead danger signs, one layer of six mil poly on critical barrier walls, and ceiling and minimum of three-stage wet decon unit. Remove materials using water and manual methods.

Start Date: 11/1/2002

Completion Date: 11/1/2002

A Unit Cost Description	B	C Total Units	D Total Cost
	> or = 160 SF		
	> or = 260 LF		
	> or = 35 CF		

Mobilizations	1.
< or = 60 mile radius	
Decontamination Unit Fees	2.
3 Chamber Unit with 2 Airlocks	
Asbestos Abatement Unit	3.
Scaffolding (for access to height in excess of 10')	
Anti-Static Poly = one roll	4.
Lead - on block wall - Remove paint and block as component	5.
Total Proposal Amount	6.

CONTRACT SUM TO DATE	7.
VALUE OF WORK PERFORMED TO DATE	8.
RETAINAGE: 0% of Completed Work	9.
TOTAL EARNED LESS RETAINAGE	10.
LESS PREVIOUS CERTIFICATES FOR PAYMENT	11.
TOTAL REQUESTED THIS INVOICE	12.

PROPRIETARY

Parsons

revised 03/01/02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.

Prime Contract No.: _____

Prime Asbestos WBS No.: 739302-21441

BellSouth Work Request No.: 010912884922-001

Environmental Coordinator: Demis Porche

Prime Task Manager: Ned Dietrich

SCOPE OF WORK

1. **BellSouth Facility:** M2403 West Miami ESS, 1155 SW 67th Ave., Miami, FL 33144
2. **Project Name:** AIU Replacement **Project Contact:** _____
3. **Scope of Work:** Provide asbestos abatement services as necessary to remove the following asbestos containing materials: 100 LF of pipe insulation, 27 pipe fittings and 222 SF of lead containing light yellow and brown paint on block wall from within the AHU room as required by planned construction activities.
- 4.
- 5.
- 6.
7. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties seven (7) working days prior to removal operations. Provide notification of removal operations to BellSouth and the USEPA or designee in accordance with required timelines. Both the notification and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide close-out documentation to Parsons (one copy) no later than 35 days after completion of removal operations.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
14. **Clarifications:**
15. **Period of Performance:** Project Start Date - 7/28/02 Submittal Due Date - 09/13/2002

WORK ORDER COMPENSATION AMOUNT

16. Prime Contractor shall pay Subcontractor a _____ as compensation for Subcontractor
17. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
18. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
19. of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described.
20. The Subcontractor shall furnish all necessary facilities; materials and professional, technical and supporting
21. personnel required by this Work Order.

PARSONS

APPROVED:

By: 

Name (printed): John Zabol

Title: Lead Subcontract Administrator

Date: 8/1/02

CC: 7288
 CT: 61
PROPRIETARY

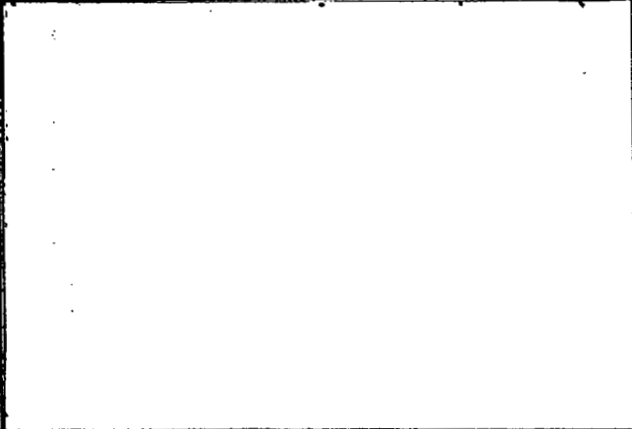
Parsons

revised 03/01/02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
 Prime Contract No.: B0420
 Prime Asbestos WBS No.: 739302-21441
 BellSouth Work Request No.: 010912884922-001
 Environmental Coordinator: Dennis Porche
 Prime Task Manager: Ned Dietrich



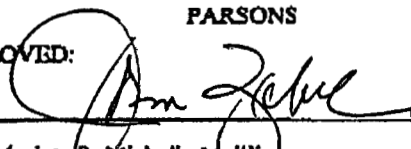
SCOPE OF WORK

1. **BellSouth Facility:** M2403 West Miami CO, 1155 S.W. 67 Ave., Miami, FL
2. **Project Name:** AHU Replacement **Project Contact:**
3. **Scope of Work:** Provide asbestos abatement services as necessary to remove 470 SF of asbestos containing yellow/brown plaster materials, 126 SF of concrete block wall with light yellow/brown lead paint, 100 LF of pipe insulation and 27 pipe fittings from the 1st and 2nd floor AHU rooms as required by planned construction activities.
- 4.
- 5.
- 6.
7. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties seven (7) working days prior to removal operations. Provide notification of removal operations to BellSouth and the USEPA or designee in accordance with required timelines. Both the notification and MOP will be posted at the site in accordance with BellSouth policy. Asbestos abatement services will be performed in accordance with applicable regulatory guidelines and BellSouth policies. Provide close-out documentation to Parsons (one copy) no later than 35 days after completion of removal operations.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13.
14. **Clarifications:**
15. **Period of Performance:** Project Start Date - 08/30/2002 **Submittal Due Date - 10/18/2002**

WORK ORDER COMPENSATION AMOUNT

16. Prime Contractor shall pay Subcontractor a _____ as compensation for Subcontractor services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions of the Master Agreement referenced above, the Subcontractor hereby agrees to perform the work as described. The Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting personnel required by this Work Order.
- 17.
- 18.
- 19.
- 20.
- 21.
22. **Final Payment:** Subcontractor shall submit an invoice for final payment within 60 calendar days after completion of all Services, including submittal of all deliverables. Failure of Subcontractor to submit an invoice for final payment within 60 calendar days may result in closing of financial accounts related to this Work Order and non-payment of the final invoice.
- 23.
- 24.
- 25.

PARSONS

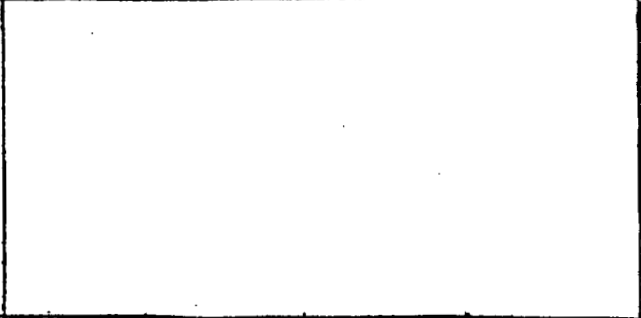
APPROVED: 

By: _____

Name (printed): Michelle Maillis

Title: Subcontractor Administrator

Date: 9/5/02



PROPRIETARY



REQUISITION FOR PAYMENT NO:

February 10, 2003

Invoice N

TO: PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.
4701 Hegemore Drive
Charlotte, North Carolina 28209
Attn.: Accounts Payable

PROJECT: Asbestos Abatement / Lead
BELLSOUTH - West Miami ESS - AHU Replacement • GLC # M2403
1155 SW 67th Avenue
Miami, Florida
Work Order No.: 739302-90028
Master Agreement No.: 730975-50015-0
Prime Contract No.:
Parsons Asbestos WBS No.: 739302-21441
BellSouth Work Request No.: 010912864922-001

Scope of Work: Two work areas in 1st Floor AHU - Work area # 1 - Remove 96 SF block lead paint wall with asbestos containing mastic on one side.
Work area # 2 - Remove 3 areas of block with lead paint (126 SF) and 100 LF asbestos pipe insulation and 27 each 6" pipe fittings/elbows. Also removed trowelled on plaster and stucco materials - duct box insulation (469 SF)

Start Date: 7/31/2002

Completion Date: 8/30/2002

Table with 4 columns: Unit Cost Description (A), NESHAPS (B), Total Units (C), Total Cost (D). Rows include Mobilizations, Decontamination Unit Fees, Asbestos Abatement Unit, Pipe insulation, Scaffolding, Anti-Static Poly, Lead on block wall, Disposal construction debris, Trowelled-on plaster and stucco materials, and Total Proposal Amount.

- 15. CONTRACT SUM TO DATE
16. VALUE OF WORK PERFORMED TO DATE
17. RETAINAGE: 0% of Completed Work
18. TOTAL EARNED LESS RETAINAGE
19. LESS PREVIOUS CERTIFICATES FOR PAYMENT
20. TOTAL REQUESTED THIS INVOICE

Handwritten signatures and dates: 2/14/03

PROPRIETARY

revised 03/01/02

Parsons

WORK ORDER AUTHORIZATION

6

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209
Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: B0420
Prime Asbestos WBS No.: 739302-21441
BellSouth Work Request No.: 010912884922-001
Environmental Coordinator: Dennis Porche
Prime Task Manager: Ned Dietrich

SCOPE OF WORK

1. **BellSouth Facility:** M2403 West Miami ESS, 1155 SW 77 Ave., Miami, FL 33144
2. **Project Name:** Serving Toll Equipment **Project Contact:** ?
3. **Scope of Work:** Provide asbestos survey and sampling services as required to identify suspect
4. asbestos-containing materials that may be impacted by planned construction activities.
5. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
6. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
7. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
8. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
9. submitted in hard copy to Parsons within the same timeframe.
10. **Clarifications:**
11. **Period of Performance:** Project Start Date - 5/2/02 **Submittal Due Date - 05/16/2002**

WORK ORDER COMPENSATION AMOUNT

12. Prime Contractor shall pay Subconsultant a _____ as compensation for
13. subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
14. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
15. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
16. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
17. technical and supporting personnel required by this Work Order.

PARSONS

APPROVED:

By: 

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 5-6-02

Parsons

revised 03/01/02

WORK ORDER AUTHORIZATION

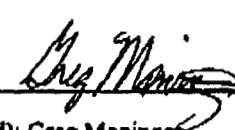
PRIME CONTRACTOR:	TELECOMMUNICANT:
Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: <u>B0420</u> Prime Asbestos WBS No.: <u>739302-21441</u> BellSouth Work Request No.: <u>010912884922-001</u> Environmental Coordinator: <u>Dennis Porche</u> Prime Task Manager: <u>Ned Dietrich</u>	

SCOPE OF WORK

1. **BellSouth Facility:** M2403 West Miami ESS, 1155 SW 77th Ave., Miami, FL 33144
2. **Project Name:** AHU Replacement **Project Contact:** --
3. **Scope of Work:** Provide abatement air monitoring and construction surveillance services during
4. abatement of the following asbestos containing materials: 100 LF of pipe insulation, 27 pipe fittings,
5. and 222 SF of a block wall coated with light yellow lead containing paint from within the AHU room.
6. Asbestos and/or lead air monitoring and construction surveillance services are to be performed in
7. accordance with applicable regulations and Bellsouth policies. Upon completion of removal activities,
8. the Consultant will post clearance data at the project site. In addition, the Consultant will forward a re-
9. occupancy letter to Parsons within one work day. A final asbestos abatement report with air
10. monitoring data is to be forwarded to Parsons within 2 weeks after completion of on-site activities.
11. **Clarifications:**
12. **Period of Performance:** Project Start Date - 7/30/02 Submittal Due Date - 08/13/2002

WORK ORDER COMPENSATION AMOUNT

13. Prime Contractor shall pay Subconsultant a (as compensation for
14. subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
15. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
16. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
17. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
18. technical and supporting personnel required by this Work Order.

PARSONS	
APPROVED:	
By: _____	
Name (printed): <u>Greg Moninger</u>	
Title: <u>Deputy Environmental Program Manager</u>	
Date: _____	<u>7/30/02</u>

A

PROPRIETARY

Parsons

revised 09/22/02

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:

Parsons
4701 Hedgemore Drive
Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: B0420
Prime Asbestos WBS No.: 739302-21441
BellSouth Work Request No.: 010912884922-001
Environmental Coordinator: Dennis Porche
Prime Task Manager: Ned Dietrich

SCOPE OF WORK

- 1. **BellSouth Facility:** M2403 West Miami CO, 1155 S.W. 67 Ave., Miami, FL 33144
- 2. **Project Name:** AHU Replacement **Project Contact:**
- 3. **Scope of Work:** Provide abatement air monitoring and construction surveillance services during
- 4. abatement of 126 SF of concrete block wall, 100 LF of pipe insulation, 27 pipe fittings and 470 SF of
- 5. plaster duct insulation.
- 6. Asbestos and/or lead air monitoring and construction surveillance services are to be performed in
- 7. accordance with applicable regulations and Bellsouth policies. Upon completion of removal activities,
- 8. the Consultant will post clearance data at the project site. In addition, the Consultant will forward a re-
- 9. occupancy letter to Parsons within one work day. A final asbestos abatement report with air
- 10. monitoring data is to be forwarded to Parsons within 2 weeks after completion of on-site activities.

11. **Clarifications:**

- 13. **Period of Performance:** Project Start Date - 09/20/2002 Submittal Due Date - 10/04/2002

WORK ORDER COMPENSATION AMOUNT

- 14. Prime Contractor shall pay Subconsultant a _____ as compensation for
- 15. Subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
- 16. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
- 17. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
- 18. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
- 19. technical and supporting personnel required by this Work Order.
- 20. **Final Payment:** Subconsultant shall submit an invoice for final payment within 60 calendar days after
- 21. completion of all Services, including submittal of all deliverables. Failure of Subconsultant to submit an
- 22. invoice for final payment within 60 calendar days may result in closing of financial accounts related to this
- 23. Work Order and non-payment of the final invoice.

PARSONS

APPROVED:

By: 

Name (printed): Dennis Porche

Title: Environmental Coordinator

Date: 9-26-02

M2403-739302-80044-2

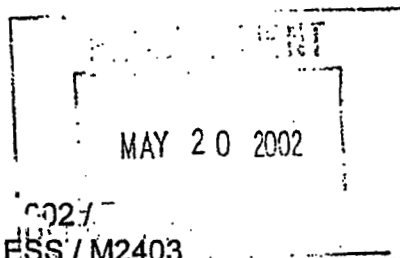
PROPRIETARY

..... INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO. 1
DATE: 05/09/2002

AUTHORIZED BY:
MR. DENNIS B. PORCHE



MASTER AGREEMENT #: 7
WORK REQUEST/ORDER NO.: 027
BUILDING NAME/GLC #: WEST MIAMI ESS / M2403
PARSONS PROJECT #: 739302-21441

ASBESTOS CONSULTING SERVICES

PROJECT NO. 027
WEST MIAMI ESS - 1ST AND 2ND FLOOR AHU ROOMS
1155 SW 67 AVENUE, MIAMI, FLORIDA 33144

A B C D

- 1. 05/03/2002 FIELD SURVEY/SAMPLING
- 2. 05/08/2002 COMPILATION OF REPORT
- 3. SUB TOTAL
- 4. SUB TOTAL
- 5. ANALYSIS OF
- 6. ANALYSIS OF
- 7. MILAGE
- 8. AMOUNT DUE

Approved for Payment
5/15/02
Dm [Signature]

Jim
5-15-02

PLEASE CONTACT E

QUESTIONS

TERMS: AS PER CONTRACT

PROPRIETARY

INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO. ---
DATE: 09/19/2002

AUTHORIZED BY:
MR. DENNIS B. PORCHE

MASTER AGREEMENT #:
WORK REQUEST/ORDER NO. ---
BUILDING NAME/GLC # WEST MIAMI ESS / M2403
PARSONS PROJECT #: 739302-21441

PROCUREMENT

SEP 30 2002

ASBESTOS & LEAD-BASED PAINT CONSULTING SERVICES

PROJECT NO. 1
WEST MIAMI ESS 1st FLOOR EAST WALL, 1st AND 2nd FLOOR AHU
ROOMS, 1155 NW 67 AVENUE, MIAMI, FLORIDA

A B C D

- 1. 07/31/2002 PROJECT/AIR MONITORING
- 2. 08/27/2002 FIELD SAMPLING
- 3. 08/27/2002 PROJECT/AIR MONITORING
- 4. 08/28/2002 PROJECT/AIR MONITORING
- 5. 08/29/2002 PROJECT/AIR MONITORING
- 6. 08/30/2002 PROJECT/AIR MONITORING
- 7. 09/09/2002 COMPILATION OF REPORT
- 8. 09/19/2002 COMPILATION OF REPORT
- 9. SUB TOTAL

10. SUB TOTAL

- 11. ANALYSIS OF
- 12. ANALYSIS OF
- 13. MILAGE -

14. AMOUNT DUE

PLEASE CONTACT VOICE QUESTIONS

TERMS: AS PER CONTRACT

PROPRIETARY

..... INVOICE

CLIENT: PARSONS ENGINEERING SCIENCE, INC.
61 ST. JOSEPH STREET, SUITE 1300
MOBILE, ALABAMA 36602

INVOICE NO.
DATE: 01/14/2003

AUTHORIZED BY:
MR. DON PIPPIN

MASTER AGREEMENT #:
WORK REQUEST/ORDER NO.: 0405 739302 80044 ✓
BUILDING NAME/GLC # WEST MIAMI ESS / MZ403
PARSONS PROJECT #: 739302-21441

ASBESTOS & LEAD-BASED PAINT CONSULTING SERVICES

WEST MIAMI ESS - 1st FLOOR EAST WALL, 1st & 2nd FLOOR AHU ROOMS,
1155 NW 67 AVENUE, MIAMI, FLORIDA

A B C D

1. 01/09/2003 FIELD SAMPLING (TCLP)

2. SUB TOTAL

3. SUB TOTAL

4. ANALYSIS OF

5. MILAGE -

6. AMOUNT DUE

Approved Payment
Don Pippin
1/19/03 739302-21441

RECEIVED
JAN 17 2003
BY:.....

PLEASE CONTACT CE QUESTIONS
TERMS: AS PER CONTRACT

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR: Parsons 4701 Hedgemore Drive Charlotte, NC 28209 Client Name: <u>BellSouth Telecommunications, Inc.</u> Prime Contract No.: <u>B0420</u> Prime Asbestos WBS No.: <u>440019-90840</u> BellSouth Work Request No.: <u>020419967013</u> Environmental Coordinator: <u>Larry Peterman</u> Prime Task Manager: <u>NA</u>	SUBCONSULTANT:
---	-----------------------

SCOPE OF WORK

1. **BellSouth Facility:** 33222 Magnolia Central Office, 45 North Magnolia Ave., Orlando, FL 32801
2. **Project Name:** New Power Room on 2nd Floor **Project Contact:**
3. **Scope of Work:** Provide asbestos and lead paint survey and sampling services as required to identify
4. suspect asbestos and lead-containing materials that may be impacted by construction of a new power
5. room on the second floor. Reference floor plan and email that was provided earlier as to project
6. details. The mechanical room to be included in the survey has 2 air handling units (AHU 2-4 and 2-8).
7. Also include sampling of loose basecove and mastic along west exterior wall between columns 123
8. and 124.
9. Asbestos and/or lead survey and sampling services are to be performed in accordance with applicable
10. regulations and BellSouth policies and protocols. An electronic submission of survey findings is to be
11. forwarded to Parsons within 2 weeks of on-site activities. Homogeneous area photographs (if
12. permitted), floor plan sketches of the project area, laboratory data sheets, and sample logs will be
13. submitted in hard copy to Parsons within the same timeframe.
14. **Clarifications:**
- 15.
- 16.
17. **Period of Performance:** Project Start Date - 5/23/02 Submittal Due Date - 6/7/02

WORK ORDER COMPENSATION AMOUNT

18. Prime Contractor shall pay Subconsultant a _____ as compensation for
 19. subconsultant services performed pursuant to this Work Order. Work Order Compensation shall be in
 20. accordance with rates set forth in the above referenced Master Agreement or this Work Order. Pursuant to the
 21. Terms and Conditions of the Master Agreement referenced above, the Subconsultant hereby agrees to perform
 22. the work as described. The Subconsultant shall furnish all necessary facilities, materials and professional,
 23. technical and supporting personnel required by this Work Order.

PARSONS	
APPROVED:	I
By: <u><i>Greg Moninger</i></u>	Si
Name (printed): <u>Greg Moninger</u>	B:
Title: <u>Deputy Environmental Program Manager</u>	N:
Date: <u>5/23/02</u>	Tit
	Dat

PROPRIETARY

5-23-02

INVOICE

Client Name: Parsons I & T Group, Inc.

Billing Address for Original Invoice:

Accounts Payable
4701 Hedgemore Drive
Charlotte, NC 28209

Larry Peterman
61 St. Joseph Street
Suite 1300
Mobile, AL 36602

Project Name: Magnolia CO.

Project Number: 826581.03

Invoice Number: 523652

Invoice Date: 9/30/02

Work Order Number: 440019-80072

Invoice Sent By : January 6, 2002

Work for this task was performed in May and June of 2002.

A	Rate B	Hours C	Total D
1. Asbestos Tech			
2. DataBase			
3. Subtotal			
4.			
5. UPS			
6. Lab			
7. Lab			
8. Amount Due			

PROCUREMENT
JAN - 8 2003
Lead Asbestos
Lead Asbestos

Payment terms are NET 30

Checks should be made payable to

To expedite payment, please include a copy of this invoice with the remittance.

PROPRIETARY

WORK ORDER AUTHORIZATION

PRIME CONTRACTOR:
 Parsons
 4701 Hedgemore Drive
 Charlotte, NC 28209

Client Name: BellSouth Telecommunications, Inc.
Prime Contract No.: BG0420
Prime Asbestos WBS No.: 440019-90640
BellSouth Work Request No.: 020325957067-001
Environmental Coordinator: Dennis B. Porche
Task Manager: N/A

SCOPE OF WORK

1. **BellSouth Facility:** GLC M6123, Miami Poinciana ESS; 25 Nahkoda Dr. Miami, FL 33166
2. **Project Name:** Transite pipe removal **Project Contact:**
3. **Scope of Work:** Provide asbestos abatement services as necessary to remove 1120 of asbestos
4. containing transite pipe as required by planned construction activities.
5. Prepare and execute a methods of procedures (MOP) document and forward to appropriate parties
6. seven (7) working days prior to removal operations. Provide notification of removal operations to
7. BellSouth and the USEPA or designee in accordance with required timelines.
8. Both the notification and MOP will be posted at the site in accordance with BellSouth policy.
9. Asbestos abatement services will be performed in accordance with applicable regulatory guidelines and
10. BellSouth policies. Provide close-out documentation to the Consultant (one copy) no later than 35 days
11. after completion of removal operations.
12. **Period of Performance:** Project Start Date: 5/9/02 Submittal Due Date: 6/1/02

WORK ORDER COMPENSATION AMOUNT

13. Contractor shall pay Subcontractor as compensation for Subcontractor
14. services performed pursuant to this Work Order. Work Order Compensation shall be in accordance with rates
15. set forth in the above referenced Master Agreement or this Work Order. Pursuant to the Terms and Conditions
16. of the Master Agreement referenced above, Subcontractor hereby agrees to perform the work as described. The
17. Subcontractor shall furnish all necessary facilities, materials and professional, technical and supporting
18. personnel required by this Work Order.

PARSONS

APPROVED:
 By: *Greg Maninger*
 Name (printed): Greg Maninger
 Title: Deputy Environmental Program Manager
 Date: 10/22/02

CC: 7288 CT: 61

PROCUREMENT

OCT 30 2002

RECEIVED _____

PROPRIETARY

PROPRIETARY

REQUISITION FOR PAYMENT NO: 1

December 17 2002

TO: PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC
 4701 Hegemore Drive
 Charlotte, North Carolina 28209

PROJECT: Asbestos Abatement
BELLSOUTH - Okeechobee Road
 1651 Okeechobee
 Hialeah, Florida
 Work Order No: 440019-90056 ✓
 Master Agreement No.: 730975-50015-0
 Prime Contract No. _____
 Parsons Asbestos WBS No.: 440018-90640 ✓
 BellSouth Work Request No. 020325957067-001 ✓

Scope of Work: Remove and dispose 1 120 LF of transite pipe.

Start Date: 3/25/2002

Completion Date: 3/28/2002

	A Unit Cost Description	B NESHAPS	C Total Units	D Total Cost
1.	Mobilizations			
2.	< or = 60 mile radius			
3.	Asbestos Abatement Unit			
4.	Transite/Cementitious (siding, conduit, cooling tower, panels, etc.			
5.				
6.	Total Proposal Amount			

7. CONTRACT SUM TO DATE
8. VALUE OF WORK PERFORMED TO DATE
9. RETAINAGE of Completed Work
10. TOTAL EARNED LESS RETAINAGE
11. LESS PREVIOUS CERTIFICATES FOR PAYMENT
12. TOTAL REQUESTED THIS INVOICE

13. Approved for payment of *Two consecutive days of work is only*
14. one mobilization. No documentation provided for a second mobilization. Note that is
15. a second revision to the invoice.

Larry D. Peterman 12/17/02

PROPRIETARY

REQUISITION FOR PAYMENT NO: 1

December 17, 2002

TO: **PARSONS INFRASTRUCTURE & TECHNOLOGY GROUP, INC.**
4701 Hegemore Drive
Charlotte, North Carolina 28209

PROJECT: **Asbestos Abatement**
BELLSOUTH - Okeechobee Road •
1651 Okeechobee
Hiialeah, Florida
Work Order No: 440019-90056
Master Agreement No.:730975-50015-0
Prime Contract No.:
Parsons Asbestos WBS No.:440019-90640
BellSouth Work Request No. 020325957067-001

Scope of Work: Remove and dispose 1,120 LF of transite pipe.

Start Date: 3/25/2002

Completion Date: 3/26/2002

A

B

C

D

Unit Cost Description

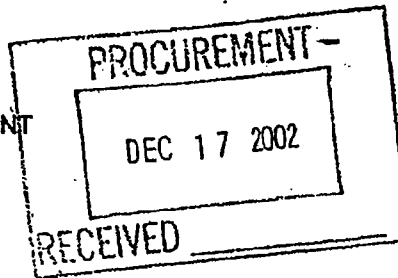
NESHAPS

Total Units

Total Cost

1. Mobilizations
2. < or = 60 mile radius
3. Asbestos Abatement Unit
4. Transite/Cementitious (siding, conduit, cooling tower, panels, etc.
- 5.
6. Total Proposal Amount

7. CONTRACT SUM TO DATE
8. VALUE OF WORK PERFORMED TO DATE
9. RETAINAGE: % of Completed Work
10. TOTAL EARNED LESS RETAINAGE
11. LESS PREVIOUS CERTIFICATES FOR PAYMENT
12. TOTAL REQUESTED THIS INVOICE
- 13.



PROPRIETARY

Page 89