

4/79

**distance  
dialing  
coordinating  
handbook**



# distance dialing coordinating handbook



Vol. 20 Issue 1

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Distance Dialing  
Coordinating  
Committee

See Chart 17

Mailing Address  
Rm. 5254B1  
295 No. Maple Ave.  
Basking Ridge, N.J.  
07920  
201-221-3875

## MAPS

Centerfold

- Distance Dialing Network
- EADAS/NM System
- Trans Canada Telephone System

Back Cover

- Numbering Plan Areas

## FOREWORD

This handbook is intended to provide information about future developments in the Distance Dialing program, current Distance Dialing statistics, pertinent historical facts and regional switching plan arrangements. The data included herein is kept current with information submitted in the Companies' Construction Budget Summaries for the April 1981 View and the Long Lines Routing Plan. The Distance Dialing Committee acknowledges the important contributions made by the Distance Dialing Coordinators in keeping this handbook up to date. This material is prepared by the Bell System for Distance Dialing Coordination Information only. Its distribution is in no sense a publication.

## NOTICE

NOT FOR USE OR DISCLOSURE OUTSIDE THE  
BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT

Network Programming And Analysis Department

# Chart 1

## DISTANCE DIALING STATISTICS APRIL 1981 CONSTRUCTION BUDGET VIEW

LONG DISTANCE MESSAGES-BELL OPERATED (During Year-Millions)	1980 (Actual)	1981	1982
Intrastate* $\phi$ .....	11118	12091	13278
Interstate* $\phi$ .....	6595	7173	7865
% Dialed By Customers (DDD)* .....	85.6	86.3	86.8
% Dialed By Operators (DDD)* .....	4.4	3.7	3.3
% Customer Dialed Operator Serviced (TSPS, TSP)* .....	10.0	10.0	9.9

OUTWARD INTERNATIONAL MESSAGES (During Year-Millions)			
Total .....	73.5	94.1	121.4
IDDD Countries .....	71.3	91.7	118.7
% IDDD - Customer Dialed .....	52.6	55.4	57.0
% IDDD - Operator Dialed (IOTC) .....	38.1	37.8	37.1
% IDDD - Operator Dialed (IOC) .....	9.3	6.8	5.9

TELEPHONES (End Of Year - Millions)	Bell Cos.	Non-Bell	Bell Cos.	Non-Bell	Bell Cos.	Non-Bell
Total Main Tels. & Equiv. Main Tels .....	84.0	21.0	86.9	22.1	90.1	23.1
Equipped For DDD .....	83.9	20.8	86.9	21.9	90.1	22.9
With Access To IDDD/IOTC .....	70.4		74.3		78.3	
Served By TSPS Or Equivalent .....	79.1	8.5	84.1	9.7	88.7	10.5
With ANC Numbering .....	82.3	20.5	85.3	21.6	88.6	22.6
Operator Identified .....	1.4		1.1		1.0	
Automatically Identified - LAMA .....	58.6		63.1		68.0	
Automatically Identified - ANI/CAMA .....	23.9		22.7		21.1	

TOLL MESSAGE NETWORK TRUNKS (End Of Year-Thousands)					
Total .....	6364		6718		7090
CCIS .....	315		490		611

TOLL OFFICE DATA (End Of Year)					
Local Central Office Buildings (Equipped For DDD) .....	8803		8803		8816
Traffic Toll Centers (Toll Offices Of Any Rank Providing Inward Operator Assistance) .....	416	392	364	374	316 363
Toll Centers Equipped With CAMA .....	312	380	276	366	246 356
Toll Centers Equipped For CCIS .....	151	2	176	4	189 16
Total Toll Positions .....	28004		27064		25605
TSPS And TSP Positions (Included Above) .....	21219		22513		22596

"Bell Cos." Includes Bell System Operating Companies Plus Southern New England And Cincinnati Bell.  
 "Non-Bell" Companies Include Independent Companies In The Territory Served By The Above Bell Companies.  
 All Data Excludes Canada.  
 \*This Data For Bell Companies.  $\phi$ -on MA #9 Basis

**ORDERING INFORMATION:** To Obtain Additional Copies Of This Handbook, Use Your Company's Standard B.S.P. Order Form Worded As Follows: (Quantity) Distance Dialing Coordinating Handbook, (100-040), Dated 1981 Send Through Normal Channels To: Western Electric Co., Inc., Indiana Publication Center, P.O. Box 26205, Indianapolis, Ind. 46226  
 (Note: In Even Years The Select Code Is 100-041. In Odd Years The Select Code Is 100-040.)

**Chart 2**

**CUTOVER DATES FOR DISTANCE DIALING  
ACTIVITIES REQUIRING NATIONWIDE ROUTING CHANGES**

MONTH	1981	1982	1983	1984	1985	1986
January	3-17	2-16	8*15	7-21	5-19	4-18
February	7-21	6-20	5-19	4-18	2-16	1-15
March	7-21	6-20	5-19	3-17	2-16-30#	1-15
April	4-25*	3-17	9*16	7-28*	20	5-19
May	2-16	1-15	14*21	5-19	4-18	3-17
June	6-27*	5-26*	4-25*	2-23*	1-22*	7-21
July	11*18	3-17	2-16	7-21	6-20	5-19
August	1-15	7-21	6-20	4-18	3-17	2-16
September	5-19	4-18	3-17	1-15	7-21	6-20
October	3-17	2-16	1-15	6-20	5-19	4-18
November	7-21	6-20	5-19	3-17	2-16	1-15
December	5-19	4-18	3-17	1-15	7-21	6-20

NOTE: These dates are the first and third Saturdays of each month except when they fall on major holidays or immediately precede Easter, Mother's Day, or Father's Day.

\*deferred one week  
#advanced one week

Cutover Hour	
Time Zone	Saturday
	Nationwide Time
Newfoundland	3:30 PM
Atlantic	3:00 PM
Eastern	2:00 PM
Central	1:00 PM
Mountain	12:00 Noon
Pacific	11:00 AM
Alaska ** & Hawaii	9:00 AM

\*\* Anchorage, Fairbanks

Chart 3

NO. 4 ESS OFFICES IN SERVICE - END OF 1980									
CO	LOCATION	CLLI	CLASS <sup>1</sup>	SERVICE DATE	FEA-TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY			
						T	E	A	M
NE	Cambridge 18, MA <sup>N.Y. 4?</sup> Springfield 3, MA	CMBRMA0118T	2	8/79	T	L	L	L	L
		SPFDMABR02T 092	2LT	5/80	C,RTA	L	L	L	L
NY	New York 12 New York 24 Garden City 2 → <del>N.Y. 12</del> White Plains 5	NYCQNYRP08T 065	2	8/77	C,T	L	L	L	L
		NYCMNYBW24T 063	3	4/78	I	L	L	L	L
		GRCYNYGC02T	4	3/79	C,T	L	L	L	L
		WHPLNY0504T 105	1	8/80	I	L	L	L	L
NJ	Freehold 2 Camden 3 Newark 8	FRHDNJ0202T 030	3TO	5/78		L	L	L	L
		CMDNNJCE03T 021	2	4/79	C,T	L	L	L	L
		NWRKNJ0208T 061	2	6/80	C,T	L	L	L	L
PA	Wayne 2 Pittsburgh 3 Philadelphia 4 Harrisburg 2	WAYNPALA42T 101	1LT	9/77	C,T	L	L	L	L
		PITBPADG43T 076	1LT	11/77	C,T,I	L	L	L	L
		PHLAPASL42T 074	3LT	5/80	C,T	L	L	L	L
		HRBGPAAH42T 036	2	11/80	C,T	L	L	L	L
C&P	Washington 6, DC Richmond 2, VA Baltimore 10, MD	WASHDCSW06T 100	2	3/78	T	L	L	L	L
		RCMDVAIT03T 078	4	5/79	C,T	L	L	L	L
		BLTMMDCH01T 010	3	8/80	T	L	L	L	L
SO	Jacksonville 3, FL Atlanta 4, GA Ojus 3, FL Charlotte 3, NC Orlando 3, FL	JCVLFLCLO3T 041	2	12/76	C,T,I	L	L	L	L
		ATLNGATL01T 007	1	1/77	C,T	L	L	L	L
		OJUSFLTLO3T 066	3	5/78	C,T	L	L	L	L
		CHRLNCCA03T 015	2	5/80	C,T	L	L	L	L
		ORLDFLMA03T 072	2	9/80	C,T	L	L	L	L
SOCN	Nashville 2, TN Montgomery, AL Mobile, AL Chattanooga, TN New Orleans 3, LA Louisville 2, KY Knoxville 2, TN	NSVLTNMT43T 058	2	1/78	C,T	L	L	L	L
		MTGMALMT01T 056	3	4/78	C,T	C	C	C	C
		MOBLALAZ01T 053	3	6/79	C,RTA	C	C	C	C
		CHTGTNNS73T	4	12/79	C,T	C	C	C	C
		NWORLAMA04T 060	2	6/80	C,T	L	L	L	L
		LSVLKYCS02T 047	2	7/80	C,T	L	L	L	L
		KNVLTNMA71T 042	3	12/80	C,T	C	C	C	C
OHIO	Columbus 3 Cleveland 3	CLMBOH1103T 019	3LT	4/77	T	L	L	L	L
		CLEVOH0203T 017	2	12/79	C,T	L	L	L	L
IND	Indianapolis 2	IPLSIN0102T 039	3LT	10/80	C,T	L	L	L	L
WISC	Waukesha 3	WKSHWI0231T 105	2	3/79	C,T	L	L	L	L
ILL	Chicago 7 - DISCONTINUED Chicago 8 - Amertek?	CHCGILCL57T	2,SRT	1/76	C,T	L	L	L	L
		CHCGILCG58T	4LT	7/78	C,T	L	L	L	L
NW	Omaha 2, NE Minneapolis 3, MN	OMAHNENW14T 071	2	4/79	C,T	L	L	L	L
		MPLSMNDT18T 054	2LT	5/80	C,T	L	L	L	L

Chart 3

NO. 4 ESS OFFICES IN SERVICE - END OF 1980									
CO	LOCATION	CLLI	CLASS <sup>1</sup>	SERVICE DATE	FEA-TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY			
						T	E	A	M
SW	Kansas City 2, MO	KSCYMO0904T 043	2	7/76	C,T	L	L	L	L
	Dallas 3, TX	DLLSTXTL34T 025	1	12/76	C,T	L	L	L	L
	San Antonio 2, TX	SNANTXCA02T 087	2	5/77	C,T	L	L	L	L
	Houston 4, TX	HSTNTX0144T 037	2	3/79	C,T	L	L	L	L
	Ft. Worth 2, TX	FTWOTXED24T 032	2LT	2/79	C,T	L	L	L	L
	Oklahoma City 2, OK	OKCYOKCE04T 069	2	5/79	C,T	L	L	L	L
	St. Louis 3, MO	STLSMO0934T 094	1	5/80	C,T	L	L	L	L
	Tulsa 2, OK	TULSOKTB04T 099	3	6/80	C,T	C	C	C	C
MTN	Albuquerque 2, NM	ALBQNMMA02T 002	3LT	11/77	C,T	L	L	L	L
	Denver 5, CO	DNVRCOZJ05T 027	1	11/79	C,T,I	L	L	L	L
	Phoenix 3, AZ	PHNXAZMA03T 075	3LT	9/80	C,T	L	L	L	L
PNB	Portland 3, OR	PTLDOR6203T 077	2	4/79	C,T	C	C	C	C
	Seattle 4, WA	STTLWA0604T 095	3	5/80	C,T	C	C	C	C
PAC	San Diego 3	SNDGCA0787T 088	3	4/78	C,T	L	L	L	L
	Sacramento 4	SCRMCA0404T 083	1	10/78	C,T	L	L	L	L
	Los Angeles 4	LSANCA0470T	2LT	2/80		L	L	L	L
	San Francisco 3	SNFCCA2143T	3LT	5/80	C,T	L	L	L	L
CINN	Cincinnati 2	CNCNOHWS14T 023	2LT	6/79	C,T	L	L	L	L
NON-BELL	Winter Haven, FL (GTE)	WNHNFLXC02T	4	10/77	C,T				
	Honolulu 4, HI (GTE)	HNLLHIMN04T	3	3/79	C,T				

1, 2 & 3 - See Last Page

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1980

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE <sup>4</sup> DATE	CLASS <sup>1</sup>	FEATURES <sup>2</sup>
					OFFICE	CCIS			
NE	Burlington, VT	BURLVTMA03T	1A	2	10/78			4	C, RTA
	Concord, NH	CNCRNHS002T	1E-SP	2	10/78			4	C, RTA
	White River Jct, VT	WRJVTGA02T	1A	4	5/79	12/80		3	C, T
	Rutland, VT	RTLDTVWE02T	1A	2	5/80			4	C, RTA
NY	New York (Williamsburg)	NYCKNYWMO8T	1E-SP	2	11/74		CL5 '84	4A	T
	Niagara Falls	NGFLNYPO05T	1E-SP	2	5/75			4	C
	Glens Falls	GLFLNYGFO8T	1A	2	2/79			4	C
	Elmira	EMIRNYEMO3T	1A	4	11/79			4	C, RTA
	Poughkeepsie	PGHKNYSHO5T	1A	4	4/80	6/80		3	RTA
	Olean	OLENNYHA02T	1A	4	6/80	8/80		4	C
NJ	Wildwood	WLWDNJWIO3T	1E-CC	2	3/70		CL5 '81	4A	
	Vineland	VNLDNJVLO3T	1E-CC	2	12/77		CL5 '81	4A	
PA	State College	STCGPAES81T	1E-CC	2	7/74			4	C, RTA
	Uniontown (Fayette Co.)	UNTNPAUN81T	1E-SP	2	1/77			4	C, RTA
	Hazleton	HZTNPAHZ81T	1E-SP	2	6/77			4	C, RTA
	Greensburg	GNEGPAGR81T	1A	2	12/78			4	C, RTA
	Scranton	SCTNPASC82T	1A	4	5/79			4A	C, RTA
	Du Bois	DUBSPADU81T	1E-CC	2	11/79			4	C, RTA
	New Castle	NWCSPANC81T	1A	2	11/79			4	C
	Sharon	SHRNPASH81T	1A	2	6/80			4	C
C&P	Fredericksburg, VA	FRBGVAFB02T	1E-CC	2	11/75			4	C
	Lynchburg, VA	LYBGVACH02T	1E-CC	2	11/75		1A '81	4	C, RTA
	Huntington, WV	HNTNWVDT22T	1E-SP	2	6/76			4	C
	Salisbury, MD	SLBRMDSB07T	1E-SP	2	7/76		1A '82	4	C
	Morgantown, WV	MGTWVWFY22T	1E-SP	2	7/78		1A '81	4	C
	Parkersburg, WV	PRBGWVKT22T	1E-SP	2	10/78			4	C
	Clarksburg, WV	CLBGWVMA24T	1A	4	11/80			3	C
	Beckley, WV	BCKLWVWD22T	1A	2	12/80			4	C
SO	Panama City, FL	PNCYFLMA03T	1E-SP	2	1/76	4/80		3*	C, RTA
	Savannah, GA	SVNHGABSO2T	1E-SP	2	5/76	4/80		3*	C, T
	Daytona Beach, FL	DYBHFLMA03T	1E-SP	2	9/76		'81	4	C, T
	Wilmington, NC	WLMGNCF002T	1E-SP	2	4/77			4	C

Chart 4

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1980

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE <sup>4</sup> DATE	CLASS 1	FEATURES <sup>2</sup>
					OFFICE	CCIS			
SO	(Cont'd.)								
	Augusta, GA	AGSTGAMT02T	1E-SP	2	6/77		1A '85	4	C, RTA
	Athens, GA	ATHNGAMA02T	1E-SP	2	8/77			4	C, RTA
	Rome, GA	ROMEGATL02T	1E-SP	2	4/78	7/80		4	C, RTA
	Albany, GA	ALBYGAMA02T	1A	4	12/78	6/80		3	C, RTA
	Gainesville, GA	GSVLGAMA02T	1A	2	4/79			4	C, RTA
	Charleston, SC	CHTNSCDT04T	1A	4	2/80	2/80		4*	T
	Asheville 3, NC	AHVLNCOH03T	1A	4	3/80	5/80		3	CC, RTA
	Melbourne, FL	MLBRFLMA02T	1A	2	5/80		CL5 '81	4	
	Valdosta, GA	VLDSGAMA02T	1E-SP	2	11/80			4	C
SOCN	Lake Charles 2, LA	LKCHLADT03T	1E-SP	2	12/73			4	C, RTA
	Greenville, MS	GNVLMMA06T	1E-SP	2	11/74			4	RTA
	Alexandria, LA	ALXNLAMA03T	1E-SP	2	7/75		1A '83	4	C, RTA
	Natchez, MS	NTCHMSMA06T	1E-SP	2	10/75			4	C, RTA
	Anniston, AL	ANTNALMT01T	1E-SP	2	4/77			4	C, RTA
	Lafayette, LA	LFYTLAMA03T	1A	4	8/78	8/78		3*	C, RTA
	Frankfort, KY	FRFTKYMA01T	1E-SP	2	12/78			4	C
	Paducah, KY	PDCHKYMA01T	1E-SP	4	6/79	6/80	1A '81	4	C, RTA
	Paintsville, KY	PNVLKYMA02T	1A	4	9/79	10/80		4	C, RTA
	Owensboro, KY	OWBOKYMA02T	1A	4	10/79	9/80		4	C, RTA
	Meridian, MS	MRDNMSTL06T	1A	4	12/79			4	RTA
	Gulfport, MS	GLPTMSTS06T	1A	4	4/80			4	RTA
	Monroe, LA	MONRLAMA03T	1A	4	4/80	4/80		4	RTA
	Winchester, KY	WNCHKYMA01T	1A	4	5/80	5/80		3	T
	Madisonville, KY	MDVIKYMA01T	1A	4	12/80	12/80		3	RTA
OHIO	Middletown	MDTWOH4250T	1E-SP	2	5/76			4	C
	Springfield	SPFDH3250T	1A	2	5/78			4	C, RTA
	Findlay	FNDYOH4251T	1A	2	9/80			4	C
MICH	Mount Clemens	MTCLMIMN20T	1E-CC	2	3/75			4	
	Sault Ste Marie	SSMRMIMN17T	1E-SP	2	6/76			4	C
	Port Huron	PTHRMIMN20T	1E-SP	2	8/76			4	C, RTA

Chart 4

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE--END OF 1980

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE <sup>4</sup> DATE	CLASS <sup>1</sup>	FEATURES <sup>2</sup>
					OFFICE	CCIS			
IND	Gary	GARYING050T	1E-SP	2	5/77			4	C,RTA
	New Albany	NWALIN0101T	1E-SP	2	11/77			4	C,RTA
	Muncie	MUNCIN0102T	1A	2	1/78			4	C
	Columbus	CLMBIN0102T	1E-CC	2	7/78			4	C
WISC	Sheboygan	SHBYWI0181T	1E-SP	2	12/76			4	C
	Janesville	JNVLWI0181T	1E-SP	2	6/77			4	C
	Green Bay	GNBYWI0184T	1E-SP	4	10/77			4	C
	Eau Claire 3	EUCLWI0184T	1A	4	5/78	3/79		2	C,RTA
ILL	Kankakee	KNKKILKK50T	1E-SP	2	/73		1A '81	4	C,RTA
	Northbrook	NBRKILNT50T	1E-SP	2	4/76		CL5 '82	4A	T
	Joliet	JOLTILJO50T	1E-CC	2	2/77	12/80		4	C,RTA
	Rockford	RCFRILRT51T	1E-SP	4	11/78	11/78		3*	C,RTA
	Danville	DAVLILDA50T	1A	2	11/79			4	C,RTA
	Centralia	CENLILCE50T	1E-CC	2	11/80		1ESP '81	4	C,RTA
NW	Rochester, MN	ROCHMNRO06T	1E-SP	2	5/74			4	C
	Duluth, MN	DLTHMNME06T	1E-SP	2	6/74			4	C,RTA
	Marshalltown, IA	MRTWIASO07T	1E-CC	2	11/75			4	C
	Wayzata, MN	WYZTMNWA06T	1E-SP	2	6/76			4	C
	Davenport, IA	DVNPIADT07T	1A	2	10/76	11/78	4W '81	3	C,RTA
	Albert Lea, MN	ALLEMNAL06T	1E-CC	2	11/76			4	C,RTA
	Brainerd, MN	BRNRMNBRO6T	1E-CC	2	4/77			4	C,RTA
	Sioux Falls, SD	SXFLSDCO06T	1E-SP	4	4/77	3/80	1A '83	3*	C,T
	St. Cloud, MN	STCDMNTO06T	1E-SP	4	12/77			3	C,RTA
	Cedar Rapids, IA	CDRRIADT07T	1A	4	8/79	8/79		4	C,RTA
	Grand Island, NE	GDISNENW06T	1A	4	10/79	10/79		3	C,RTA
	Dickinson, ND	DCSNNDBC06T	1A	2	12/80			4	C,RTA
SW	Wichita Falls, TX	WCFLTXXN03T	1E-SP	2	10/74			3	C,RTA
	Galveston, TX	GLTNTXSO01T	1E-SP	2	12/74			4	C
	Greenville, TX	GNVLTXGL03T	1E-SP	2	8/75			3	C,RTA
	Lawton, OK	LWTNOKTB03T	1E-CC	2	10/75		1A '82	3TO	C,RTA

Chart 4

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1980

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE <sup>4</sup> DATE	CLASS <sup>1</sup>	FEATURES <sup>2</sup>	
					OFFICE	CCIS				
SW	(Cont'd.)									
	Midland 1, TX	MDLDTXMU01T	1A	2	10/76		CL5 '85	3	C,T	
	Amarillo 2, TX	AMRLTX0201T	1E-SP	2	11/76		1A '84	4A	C,RTA	
	Temple, TX	TMPLTXDN01T	1E-CC	2	4/77			4	C	
	Fayetteville, AR	FYVLARHI01T	1E-SP	4	6/77		1A '83	4	C,RTA	
	Richmond-Rosenberg, TX	RSBGTXRR01T	1E-CC	2	11/77	6/80		4	C	
	Harlingen, TX	HRLNTXHG02T	1E-SP	2	12/77		1A '85	4	C,RTA	
	Topeka 3, KS	TPKAKSJA03T	1E-SP	4	2/78			4*	C,T	
	Pine Bluff, AR	PNBLARJE01T	1A	4	6/78			4	C,RTA	
	Beaumont 2, TX	BUMTTXTE02T	1A	4	8/78			3	C,RTA	
	Cape Girardeau, MO	CPGRMOED02T	1E-CC	4	8/78			4		
	Brownsville, TX	BWVLTXLI01T	1E-SP	2	10/78		CL5 '86	4A	C	
	Lubbock 1, TX	LBCKTXPS02T	1A	2	10/78		CL5 '84	3	C,RTA	
	Jonesboro, AR	JNBOARMA01T	1E-SP	4	11/78		1A '82	4	C,RTA	
	Woodward, OK	WDWROKMA03T	1E-CC	2	11/78			4	RTA	
	Nacogdoches, TX	NCGDTXNC01T	1A	2	12/78			4	C,RTA	
	Fort Smith, AR	FTSMARSU02T	1E-SP	4	2/79	9/80	1A '84	4	C,RTA	
	Hutchinson, KS	HTSNKS0202T	1E-SP	4	7/79			4	C,RTA	
	Parsons, KS	PRSSKSWA01T	1E-CC	4	8/79			3	C,RTA	
	Hays, KS	HAYSKS1102T	1E-SP	4	11/79			4	C,RTA	
	Salina, KS	SALNKSTAO2T	1A	4	11/79			3*	C,RTA	
	Huntsville, TX	HNVITXHN01T	1A	4	3/80			4	C	
	Springfield, MO	SPFDMOMC01T	1E-SP	2	6/80		CL5 '82	4		
	MTN	Idaho Falls, ID	IDFLIDMA01T	1E-CC	2	9/75		1A '81	4	C
		Provo 1, UT	PROVUTMA01T	1E-SP	2	5/76			3	C,RTA
		Helena, MT	HLNAMTMA01T	1E-CC	4	9/77	5/80	1A '82	3	C
Billings 2, MT		BLNGMTMA02T	1E-CC	4	5/78	5/80	1A '84	2*	C,T	
Casper, WY		CSPRWYMA01T	1A	4	5/78	4/80		4	C,RTA	
Pocatello, ID		PCTLIDMA01T	1A	4	11/79	11/79		4	C,RTA	
Cheyenne 2, WY		CHYNWYMA02T	1A	4	1/80	4/80		3	C	
Cedar City, UT		CDCYUTMA01T	1E-CC	2	5/80	5/80		4	C,RTA	
Grand Junction, CO		GCJTCOMA02T	1A	4	8/80	7/80		3	RTA	
PNB	Corvallis, OR	CRVSOR6502T	1E-CC	2	3/75			4	C	
	Roseburg, OR	RSBGOR5702T	1A	2	5/79			4	C	
	Lewiston, ID	LSTNIDSH01T	1A	2	12/79			4	C	

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Chart 4

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1980

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE <sup>4</sup> DATE	CLASS <sup>1</sup>	FEATURES <sup>2</sup>
					OFFICE	CCIS			
PAC	Burlingame	BRLNCA0135T	1E-SP	2	8/72		CL5 '82	4A	
	Monterey	MTRYCA0115T	1E-SP	2	2/74		CL5 '83	4	
	Ventura	VNTRCA0258T	1E-CC	2	7/77			4	
SNE	Manchester	MNCHCT0002T	1E-SP	2	12/76			4	
	Danbury	DNBRCT0003T	1E-SP	2	1/78			4	
	Meriden	MRDNCT0003T	1E-SP	2	2/78			4	
	Stamford	SMFRCT0102T	1A	2	2/78			4	
	Torrington	TRTNCT0002T	1E-CC	2	3/78			4	
	New Britain	NWBRCT0002T	1A	2	6/78			4	
	New Haven	NWHNCT0304T	1A	2	10/78			4A	
	New London	NWLNCT0202T	1A	2	10/78			4	
	Middletown	MDTWCT0002T	1E-CC	2	12/78			4	
	Norwalk	NRWLCT0202T	1E-SP	2	7/79		1A '81	4	T
	Hartford	HRFDCT0305T	1A	2	11/79			4A	
Bridgeport	BRPTCT0105T	1A	2	10/80			4A		

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Chart 4

NO. 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	TYPE/ CLASS <sup>1</sup>	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
NE	Boston 9, MA	BSTNMAFR09T	4A/2	4/70	4/70		1981	P,T,S	L	L	L	L
	Providence 4, RI	PRVDRIGRO4T	4A/3	6/72	6/72	4/77	1985	P,T	L	L	L	L
	Cambridge 16, MA (Kendall Square)	CMBRMABEL6T	4A/4LT	6/73	6/73		1981		C	C	C	C
	Portland 2, ME	PTLDMEFO02T	4A/3	6/73	6/73	6/79	1986	P,T	C	C	C	C
	Lawrence 2, MA	LWRNMACA02T	4A/3	10/73	10/73		1985	P,T	C	C	C	C
	Framingham 3, MA	FRMNMAWA03T	4A/3	6/74	6/74	4/79	1984	P,CC,T	C	C	C	C
	Brockton 2, MA	BRTNMAC002T	4A/3	4/75	4/75	11/78	1983	P,CC,T	C	C	C	C
	Worcester 2, MA	WRCSMA0202T	4A/3	9/75	9/75	4/79	1985	P,CC,T	L	L	L	L
NY	Albany 2	ALBYNYSS04T	4A/2	4/50			1982	T	L	L	L	L
	Syracuse	SYRCNYSU04T	4A/3	5/54	4/76	9/79	1985	P,CC,T	C	C	C	C
	Buffalo 1	BFLONYFRO4T	4A/3	5/56	5/73	2/78	1984	P,CC,T	C	C	C	C
	New York 7	NYCMNY5404T	4A/3TO	9/63			1981		L	L	L	L
	Varick Street	NYCMNYVS01T	4A/4	12/71	12/71		1983	P,T	C	C	C	C
	New York 6	NYCMNY5405T	4A/3	8/72	8/72		1982	P,T	L	L	L	L
	Garden City 1	GRCYNYGC01T	4A/Lc1	10/73	10/73		1983	P	C	C	C	C
	White Plains 4	WHPLNYWPO3T	4A/3A	10/73	10/73		1984	P,C,T	C	C	C	C
	Broadway 2	NYCMNYBW20T	4A/4ALT	2/74	2/74		1984	P	C	C	C	C
NJ	Rochelle Park 1	RCPKNJ0201T	4A/3	11/66	10/74		1982	P,T	C	C	C	C
	New Brunswick 2	NBWKJNB02T	4A/4	8/70	8/70		1983	P,T	C	C	C	C
	Newark 7	NWRKNJ0207T	4A/4	7/73	7/73		1981	T	C	C	C	C
	Cedar Knolls 1	CDKNNJCK01T	4A/3	6/74	6/74	4/78	1985	P,T	L	L	L	L
	Hamilton Square 1	HMSQNJHS01T	4A/3	10/74	10/74		1985	P,T	L	L	L	L
	Rochelle Park 2	RCPKNJ0202T	4A/4TO	6/75	6/75		1982	P	L	L	L	L
PA	Scranton	SCTNPASC41T	4A/3	5/53			1981	CC	C	C	C	C
	Ft. Washington 1	FTWSPAFW41T	4A/3LT	6/72	6/72	9/77	1983	P,T	C	C	C	C
	Wilmington, DE	WLMGDEWL41T	4A/3LT	3/75	3/75	6/78	1983	P,T	C	C	C	C
C&P	Richmond 1, VA	RCMDVAGRO1T	4A/2	6/54	3/76		1981	P,CC,T,S	C	C	C	C
	Charleston 1, WV	CHTNWVLE24T	4A/2TO	3/61			1982	CC	C	C	C	C
	Washington 3, DC	WASHDCSW04T	4A/4	3/67	5/71	8/77	1981	P,T	C	C	C	C
	Arlington 2, VA	ARTNVACK03T	4A/3	2/72	2/72	8/77	1982	P,T	C	C	C	C
	Norfolk 3, VA	NRFLVABS02T	4A/3	5/72	5/72		1981	P,T	C	C	C	C
	Roanoke 2, VA	RONKVALK02T	4A/3	5/75	5/75	11/78	1990	P,CC,RTA	C	C	C	C

NO. 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	TYPE/ CLASS <sup>1</sup>	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
SO	Miami 2, FL	MIAMFLTL02T	4A/4	11/57			1981	T	L	L	L	L
	Columbia 1, SC	CLMASCTLO1T	4A/2	4/59	3/75		1981	P,CC,T	L	L	L	L
	Greensboro 1, NC	GNBONCEU01T	4A/2	8/60	3Q/73	5/78	1981	P,C,T	L	L	L	L
	Orlando 1, FL	ORLDFLMA01T	4A/3	11/62	9/73		1981	P,C,T	L	L	L	L
	Raleigh, NC	RLGHNCMO03T	4A/3	8/71	8/71	1/79	1985	P,CC,T	C	C	C	C
	Columbus 1, GA	CLMBGAMT42T	4A/4	11/71	11/71		1984	P,CC,T	C	C	C	C
	Florence, SC	FLRNSCMA02T	4A/3	4/72	4/72		1983	P,CC,RTA	C	C	C	C
	Atlanta 3, GA	ATLNGANW43T	4A/4	1/73	1/73		1982	P,T	L	L	L	L
	Pensacola, FL	PNSCFLBLO3T	4A/4	5/73	5/73	9/78	1985	P,T	C	C	C	C
	Gainesville 2, FL	GSVFLANO3T	4A/3	8/74	8/74		1984	P,CC,RTA	C	C	C	C
	Macon 2, GA	MACNGAGA42T	4A/2	5/75	5/75	3/78	1984	P,T	C	C	C	C
	Winston-Salem, NC	WNSLNCFI02T	4A/3TO	5/75	5/75		1981	P,C,	C	C	C	C
	Greenville, SC	GNVLSCTLO1T	4A/3	6/75	6/75		1983	P,C,T	C	C	C	C
	West Palm Beach 3, FL	WPBHFLANO3T	4A/4	9/75	9/75		1981	P,C,T	L	L	L	L
	SOCN	Memphis 1, TN	MMPHTNMA41T	4A/2	10/56	4/72		1981	P,CC,T	L	L	L
Birmingham 1, AL		BRHMALMT56T	4A/2	8/57	5/74		1981	P,CC,T,S	L	L	L	L
Jackson 2, MS		JCSNMSPS04T	4A/2	6/59	3/74	4/77	1983	P,CC,T	L	L	L	L
Baton Rouge 1, LA		BTRGLAMA01T	4A/4	8/71	8/71	2/79	1984	P,CC,T	C	C	C	C
Decatur 1, AL		DCTRALMT56T	4A/3	4/74	4/74		1982	P,CC,RTA	C	C	C	C
Shreveport 1, LA		SHPTLATLO2T	4A/3	4/74	4/74	12/77	1985	P,CC,T	C	C	C	C
OHIO	Toledo 1	TOLDOH2101T	4A/3	8/61	4/73	4/77	1984	P,C,T	L	L	L	L
	Dayton	DYTNOH1501T	4A/3LT	11/63	12/75	6/78	1985	P,C,T	C	C	C	C
	Akron 2	AKRNOH2502T	4A/3LT	11/73	11/73	4/79	1985	P,T	C	C	C	C
	Youngstown 2	YNTWOHO202T	4A/3LT	4/75	4/75	3/80	1988	P,T	C	C	C	C
MICH	Detroit 1	DTRTMIBA40T	4A/2TO	10/53	12/70		1981	P,S	L	L	L	L
	Grand Rapids 1	GDRPMIBL40T	4A/2LT	4/69	4/69	8/77	1984	P,T	L	L	C	C
	Plymouth 1	PLMOMIFA40T	4A/3LT	7/69	7/69	6/77	1987	P,C,T	C	C	C	C
	Pontiac 2	PNTCMIMN40T	4A/3LT	6/72	6/72	10/78	1983	P,C,T	C	C	C	C
	Detroit 2	DTRTMIBH40T	4A/4LT	3/74	3/74		1981	P,T	C	C	C	C
	Kalamazoo 2	KLMZMIFA40T	4A/3LT	6/74	6/74	9/79	1984	P,RTA	C	C	C	C
	Saginaw 2	SGNWMIFA40T	4A/3LT	12/74	12/74	5/80	1989	P,T	C	C	C	C
	Lansing 2	LNNGMIMN40T	4A/3LT	6/75	6/75	8/79	1988	P,RTA	C	C	C	C
	South Bend 1	SBNDINO504T	4A/3	4/70	4/70	6/78	1984	P,T	L	L	L	L
Bloomington 1	BLTNINO104T	4A/2	8/70	8/70	11/79	1988	P,T	C	C	C	C	

Chart 5

NO. 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	TYPE/ CLASS <sup>1</sup>	SERVICE DATE			RETI- MENT DATE	FEA- TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
WISC	Milwaukee 1	MILWWI4841T	4A/3TO	5/55			1981		L	L	L	L
	Madison 2	MDSNWI0241T	4A/3	5/76	5/76	5/76	1984	P,T	L	L	L	L
ILL	Springfield 1	SPFDILSF41T	4A/2	9/60	9/74	11/77	1985	C,P,RTA	L	L	L	L
	Norway 1	NRWYILNO41T	4A/1	12/62	12/75	4/77	1983	P	L	L	L	L
	Oak Brook 1	OKBRILOA41T	4A/4LT	8/72	8/72	7/77	1981	P,T	L	L	L	L
	Champaign 2	CHMPILR41T	4A/3	11/72	11/72	11/78	1984	P,RTA	C	C	C	C
	Peoria 2	PEORILPJ41T	4A/3	10/73	10/73	11/78	1983	P,T	C	C	C	C
	Northbrook 2	NBRKILNT41T	4A/3	4/74	4/74	7/77	1982	P,T	L	L	L	L
	Collinsville 2	COVLILCL41T	4A/2	10/75	10/75	4/78	1985	P,CC,T	L	L	L	L
NW	Des Moines, IA	DESMIADTO4T	4A/2	6/57	10/70	4/79	1981	P,CC,T	L	L	L	L
	Fargo 1, ND	FARGNDBC03T	4A/2	11/75	11/75	1/79	1997	P,CC	L	L	L	L
SW	Little Rock, AR	LTRKARFR14T	4A/3	5/54	6/74		1981	P,CC,T	L	L	L	L
	Wichita, KS	WCHTKSBR14T	4A/3	10/57	6/75		1981	C,T	C	C	C	C
	Dallas, TX	DLLSTXTA02T	4A/Lcl	2/70	2/70		1983		C	C	C	C
	Longview 1, TX	LGVWXTL14T	4A/3	4/73	4/73		1984	C,T	C	C	C	C
	Corpus Christi 1, TX	CRCHXTTU04T	4A/3	10/73	10/73	3/79	1987	P,C,T	C	C	C	C
	Austin 1, TX	AUSTTXGR04T	4A/3	5/74	5/74	3/79	1986	P,C,T	C	C	C	C
MTN	Salt Lake City 1, UT	SLKCUTMA01T	4A/2	5/58	7/73	8/78	1982	P,CC,T	L	L	L	L
	Pueblo 1, CO	PUBLCOMA01T	4A/3	4/69	4/69		1982	P,CC	C	C	C	C
	Colorado Springs 1, CO	CLSPCOMA01T	4A/3	5/71	5/71		1981	P,T	L	L	L	L
	Tucson 2, AZ	TCSNAZMA02T	4A/4	4/74	4/74	5/78	1985	P,CC,T	L	L	L	L
	Boise 2, ID	BOISIDMA02T	4A/3TO	3/75	3/75	7/78	1985	P,CC	C	C	C	C
	Greeley 1, CO	GRELCOJC01T	4A/3TO	4/75	4/75		1982	P,C,RTA	C	C	C	C
PNB	Portland 1, OR	PTLDOR6201T	4A/2	11/55	3/75		1981	P,CC,T	C	C	C	C
	Seattle 1, WA	STTLWA0101T	4A/2	1/59	1/72	7/78	1982	P,CC,T	C	C	C	C
	Spokane, WA	SPKNWA0101T	4A/3	4/62			1982	CC	C	C	C	C

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Chart 5

NO. 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	TYPE/ CLASS <sup>1</sup>	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY				
				OFFICE	ETS	CCIS			T	E	A	M	
PAC	Oakland 3 (Franklin)	OKLDCA0341T	4M/2	10/49	2/72		1981	P,T,S,I	C	C	L	L	
	San Bernardino	SNBRCA0133T	4A/1	10/57	1/74	8/77	1983	P,RTA	C	C	L	L	
	San Jose 1	SNJSCA0203T	4A/2LT	6/58	3/73		1982	P,T	C	C	L	L	
	Los Angeles 3	LSANCA0307T	4A/3	3/62	9/69	1/78	1984	P,T	C	C	L	L	
	Anaheim 1	ANHMCA0128T	4A/2	12/64	4/72		1981	P,T,S	C	C	L	L	
	Redwood City	RDCYCA0242T	4A/3	2/70	2/70	7/77	1985	P,T	C	C	L	L	
	Sherman Oaks 2	SHOKCA0263T	4A/3	4/71	4/71	1/78	1984	P,T	C	C	L	L	
	Fresno 2	FRSNCA0144T	4A/3	6/72	6/72	2/79	1985	P,CC	C	C	L	L	
	Hayward	HYWRCA0246T	4A/3LT	3/73	3/73	3/79	1983	P,C,T	C	C	L	L	
	Gardena 1	GRDNCA0221T	4A/3	5/73	5/73	11/77	1983	P	C	C	L	L	
	Reno 3, NV	RENONV0304T	4A/2	5/73	5/73	4/79	1982	P,T	C	C	L	L	
	Oakland 5 (Franklin)	OKLDCA0342T	4A/3LT	6/73	6/73	4/77	1981	P,C,T	C	C	L	L	
	Stockton 2	SKTNCA0110T	4A/2	4/74	4/74	5/79	1984	P,RTA	C	C	L	L	
	Anaheim 2	ANHMCA0177T	4A/4	5/74	5/74	2/77	1981	P,T	C	C	L	L	
	Sherman Oaks 3	SHOKCA0373T	4A/4	6/74	6/74	5/77	1982	P,T	C	C	L	L	
	Santa Clara	SNTCCA0120T	4A/Lcl	2/75	2/75		1984	P	C	C	L	L	
	Gardena 2	GRDNCA0231T	4A/4	5/75	5/75	2/77	1982	P,T	C	C	L	L	
	Santa Rosa 2	SNRSCA0236T	4A/2	5/75	5/75	6/79	1984	P	C	C	L	L	
	SNE	New Haven 4	NWHNCT0203T	4A/2	5/68	5/70	4/77	1981	P,T	L	L	L	L
		Hartford 3	HRFRCT0304T	4A/3	10/73	10/73	4/77	1984	P,C,T	L	L	L	L
Bridgeport 4		BRPTCT0403T	4A/3	4/75	4/75	7/78	1984	P,CC,T	L	L	L	L	
NON- BELL	Tampa 2, FL (GTE)	TAMPFLXA02T	4A/3	8/69	2/74		1981	CC,T					
	St. Petersburg, FL (GTE)	SPBGFLXA02T	4A/4	11/71	11/71		1983						
	Everett 1, WA (GTE)	EVRTWAXA01T	4A/4	4/72	4/72		1982	C					
	Fayetteville, NC (united)	FYVLNCXA02T	4A/3	5/72	5/72		1984	C					
	Clearwater, FL (GTE)	CLWRFLXA02T	4A/4	11/72	11/71		1982	CC					
	Las Vegas 1, NV (united)	LSVGNVXB04T	4A/4	11/72	11/72		1984	C					
	Rocky Mount 2, NC (united)	RCMTNCXA02T	4A/3	4/74	4/74		1982	P					
	Sarasota 3, FL (GTE)	SRSTFLXF01T	4A/4	10/74	10/74		1984	P,CC					
	Tampa 3, FL (GTE)	TAMPFLXA03T	4A/4	10/75	10/75		1981	T					

Chart 5

NO. 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	TYPE/ CLASS <sup>1</sup>	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES <sup>2</sup>	MACHINE <sup>3</sup> RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
TCTS	Toronto 1, ON	TOROON0101T	4A/2	6/55			1983	C				
	Montreal 1, PQ	MTRLPQ0201T	4A/1	5/56	7/72		1987	C				
	Winnipeg 1, MB	WNPGB0101T	4A/2	2/65			1989	C				
	Halifax 1, NS	HLFXNS0101T	4A/3	4/71			1989	C				
	Vancouver 2, BC (GTF)	VANCB0104T	4A/2	4/71	4/71		1985	C,T				
	Edmonton 1, AB	EDTNAB0201T	4A/3	3/72	3/72		1982	C				
	Toronto 3, ON	TOROON1103T	4A/3	11/72	11/72		1987	C				
	Ottawa 2, ON	OTWAON1002T	4A/3	4/73	4/73		1987	C				
<u>STP's</u>												
STAND	Albuquerque, NM	ALBQNMAMSP	SPC-1A			11/77			L	L	L	L
ALONE	Atlanta, GA	ATLNGATLMSP	SPC-1A			12/76			L	L	L	L
	Columbus, OH	CLMBOH11MSP	SPC-1A			4/77			L	L	L	L
	Dallas, TX	DLLSTXTLMSP	SPC-1A			7/76			L	L	L	L
	Denver, CO	DNVRCOMAMSP	SPC-1A			11/77			L	L	L	L
	Indianapolis, IN	IPLSIN01MSP	SPC-1A			5/76			L	L	L	L
	Kansas City, MO	KSCYMO09MSP	SPC-1A			10/77			L	L	L	L
	Los Angeles, CA	LSANCA02MSP	SPC-1A			2/77			L	L	L	L
	New York, NY	NYCMNYBWMSA	SPC-1A			6/80			L	L	L	L
	Oklahoma City, OK	OKCYOKCEMSP	SPC-1A			7/76			L	L	L	L
	Omaha, NE	OMAHNENWMSP	SPC-1A			5/76			L	L	L	L
	Sacramento, CA	SCRMCA01MSP	SPC-1A			3/77			L	L	L	L
	St. Louis, MO	STLSMO09MSP	SPC-1A			10/77			L	L	L	L
	Suffolk, NY	HNTNNYSUMSA	SPC-1A			6/80			L	L	L	L
	Wayne, PA	WAYNPALAMSP	SPC-1A			8/77			L	L	L	L
	White Plains, NY	WHPLNY02MSP	SPC-1A			4/77			L	L	L	L

CROSSBAR TANDEM IN SERVICE-END OF 1980

CO.	LOCATION <sup>5</sup>	CLLI	SERVICE DATE	CLASS <sup>1</sup>	FEA-TURES <sup>2</sup>	RETIREMENT DATE	6-DIGIT TRANS-LATION
NE	Providence, 2, RI (*)	PRVDRIWA02T	1/48	4A/LT	CC	1985	
	Boston (Metro), MA	BSTNMAFRO3T	6/49	4A	TSP	1982	
	Boston (Newton), MA	NWTNMAWA04T	6/55	4/LT		1982	X
	Providence 1, RI (*)	PRVDRIWA01T	9/56	4A	CC	1985	X
	Boston 8, MA	BSTNMAFRO8T	/57	4	C,T	1981	
	Worcester, MA	WRCSMACE01T	11/59	4	CC	1985	X
	Lawrence, MA	LWRNMACO01T	11/60	4	CC	1985	X
	Portland, ME	PTLDMEFO01T	4/62	4/TO	CC	1987	X
	Brockton 1, MA	BRTNMACRO1T	6/63	4/LT	CC	1983	X
	Manchester 1, NH (#)	MNCHNHCO01T	6/63	3	C	1982	X
	Boston (Dorchester), MA	DRCHMAAD10T	1/64	4A/LT	C	1982	X
	Fall River, MA	FLRVMANM01T	5/64	3	CC	1984	X
	Framingham 1, MA	FRMNMAUN01T	1/65	4/LT	CC,T	1984	X
	Boston (Harrison), MA	BSTNMAHA15T	6/65	4/LT	C,TSP	1982	X
	Boston (Malden), MA	MLDNMAEL13T	12/67	4/LT		1982	X
	Bangor, ME	BNGRMEPA01T	10/69	4/TO	CC,RTA	1983	X
	Lewiston 2, ME	LSTNMEAS02T	6/72	4/TO	C,RTA	1982	X
	Boston 17, MA	BSTNMAFR17T	10/72	3	C,T	1981	X
Manchester 2, NH (#)	MNCHNHCO02T	5/73	3A		1982	X	
NY	Jamaica	NYCQNYJA01T	8/47	Lcl.		1982	
	York 1 (#)	NYCMNY3001T	11/47	Lcl.		1987	
	Gotham 8 (#)	NYCMNY1304T	6/48	4A/LT		1992	
	Amsterdam 1 (#)	NYCMNY3701T	8/48	Lcl.		1988	
	Brooklyn	NYCKNYAL03T	9/48	4A/TO		1995	
	Buffalo Erie	BFLONYFR01T	10/48	4A/LT		1984	
	Vesey 1 (*)	NYCMNYWS01T	10/49	3A/TO		1995	X
	Mt. Vernon 1 (#)	MTVRNYMV01T	10/49	4/LT		1984	
	White Plains 1	WHPLNYWP01T	3/50	4/LT		1984	
	Gotham 9 (#)	NYCMNY1305T	6/50	4A/LT		1992	
	Hempstead 1 (*)	HMPSPNYHS01T	7/50	4A/LT		1984	X
	Vesey 2 (*)	NYCMNYWS02T	9/50	4/TO			X
	York 2 (#)	NYCMNY3002T	10/51	Lcl.		1987	
	Borough 3 (*)	NYCMNY5001T	10/52	3A/LT		1986	
	Richmond Hill 1 (*)	NYCQNYRH01T	3/54	4A/LT		1994	
	Vesey 3 (*)	NYCMNYWS03T	9/54	4A/TO	C	1985	
Borough 4 (*)	NYCMNY5002T	4/55	3A/LT		1986		
Richmond Hill 2 (*)	NYCQNYRH02T	7/56	4A/LT		1994		

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CROSSBAR TANDEM IN SERVICE-END OF 1980

CO.	LOCATION ♂	CLLI	SERVICE DATE	CLASS 1	FEA-TURES 2	RETIREMENT DATE	6-DIGIT TRANS-LATION
NY	Hempstead 2 (*)	HMPSNYHS02T	6/57	3A/LT		1984	X
	Mt. Kisco	MTKSNYMK01T	3/58	4/LT	C	1985	X
	Nyack	NYACNYNK01T	5/59	4/LT	C	1985	X
	Binghamton 1 (*)	BNGHNYHY03T	6/59	3	CC,RTA	1983	X
	West St. 4 (*)	NYCMNYWS04T	9/59	4A	C	1981	
	Amsterdam 2 (#)	NYCMNY3702T	11/59	4A			X
	Albany 1	ALBYNYSS03T	12/61	4/LT	CC,T	1982	X
	Bronx 1 (*)	NYCXNYGC01T	12/61	4	C	1981	X
	Buffalo Frontier	BFLONYFR02T	9/62	4A/LT		1984	
	Midtown 1 (#)	NYCMNY3703T	9/62	4A/LT		1992	X
	Tremont 1 (*)	NYCXNYGC03T	7/63	4A/LT		1995	X
	Bushwick 1 (#)	NYCKNYBU01T	9/63	4A/LT		1994	X
	Utica	UTICNYUT01T	10/63	4	C,RTA	1981	X
	West St. 5 (*)	NYCMNYWS05T	10/63	3A	C,TSP	1983	X
	Tenth Ave. 1 (#)	NYCMNY5401T	12/63	4A/LT			X
	Kings 1 (*)	NYCKNYBR01T	8/64	4A/LT		1994	X
	Midtown 2 (#)	NYCMNY3704T	9/64	4A/LT		1992	X
	Monticello 1	MNTINYMT01T	3/65	4/LT	C,TSP	1991	X
	Queens 1 (#)	NYCQNYNJ01T	8/65	4A/LT		1993	X
	Tenth Ave. 2 (#)	NYCMNY5402T	8/65	3A	C,T	1982	X
	Deer Park 1	DRPKNYDP01T	11/65	4A/LT		1995	X
	Albermarle Rd. 2	NYCKNYAL02T	11/66	3A	TSP	1983	X
	Staten Island	NYCRNYNS01T	1/67	4A/LT		1986	X
	Bushwick 2 (#)	NYCKNYBU02T	3/67	4A/LT		1994	X
	Tenth Ave. 3 (#)	NYCMNY5403T	10/67	3A	C,T	1982	X
	Lexington	NYCMNY5601T	6/68	4A/LT			X
	Kings 2 (*)	NYCKNYBR02T	11/68	4A/LT		1994	X
	Mt. Vernon 2 (#)	MTVRNYMV02T	12/68	4A/LT		1983	X
	Chelsea 1 (*)	NYCMNY1801T	8/69	4A/LT		1992	X
	Chelsea 2 (*)	NYCMNY1802T	8/69	4A/LT		1992	X
	Deer Park 2	DRPKNYDP02T	7/71	4A/LT		1995	
	E. 97th St. 4 DID	NYCMNY9702T	7/71	4A/LT			X
	Bronx 2 (*)	NYCXNYGC02T	12/71	3A	C,TSP	1983	X
	Queens 2 (#)	NYCQNYNJ02T	12/71	4A/LT		1993	X
	Tremont 2 (*)	NYCXNYGC04T	12/71	4A/LT		1995	X
	Binghamton 2 (*)	BNGHNYHY04T	10/72	3A/TO	C	1983	X
	West St. 6 (*)	NYCMNYWS06T	10/72	4	C,T	1983	X
	East 97th St. 5	NYCMNY9725T	9/74	Lcl.		1986	

CROSSBAR TANDEMS IN SERVICE-END OF 1980

CO.	LOCATION <sup>5</sup>	CLLI	SERVICE DATE	CLASS <sup>1</sup>	FEA-TURES <sup>2</sup>	RETIREMENT DATE	6-DIGIT TRANSLATION
NJ	Newark (Jersey 1) (*)	NWRKNJO203T	10/47	4A/TO		1983	X
	Paterson	PTSNNJAR01T	7/50	4A/TO		1983	X
	Newark (Jersey 2) (*)	NWRKNJO204T	11/52	4A/TO	C	1983	
	Hackensack	HCKNNJHK01T	6/53	4A/TO		1983	X
	Jersey City (Bergen)	JRCYNJBR01T	1/55	4A/TO	C	1984	
	Morristown	MRTWNJMR01T	1/55	4A	C,T	1985	X
	Trenton	TRENNJTN01T	3/57	4A	C	1984	X
	New Brunswick 1	NBWKJNB01T	6/57	4A/TO		1983	X
	Irvington (Essex 1)	IVTNNJES01T	11/57	4A/TO		1982	
	Atlantic City	ATCYNJAC01T	4/61	3A/TO	C		X
Asbury Park	ASPKNJAP01T	2/66	4A/TO		1982	X	
PA	Pittsburgh (Tandem A) (#)	PITBPADT21T	4/55	4		1982	
	Philadelphia (North A)	PHLAPADA21T	8/55	4A/LT	C	1981	
	Pittsburgh (Tandem B) (#)	PITBPADT22T	8/57	4	CC	1981	X
	Altoona	ALNAPAAL21T	11/57	3	CC,T	1982	X
	Tullytown	TULYPATU21T	3/59	4/LT	CC	1983	X
	Reading	RDNGPARE21T	11/59	4/TO	CC	1981	X
	Philadelphia (East B)	PHLAPAMK22T	6/60	4/TO	CC	1981	X
	Williamsport	WLPTPAWI21T	5/61	3	CC,RTA	1984	X
	Allentown (Lehigh Co.)	ALTWPAAL21T	10/61	4/TO	CC	1981	X
	Lancaster	LNCSPALA21T	5/62	4	CC,RTA	1983	X
Wilkes-Barre	WLBPAWB21T	11/62	4	CC,RTA	1984	X	
C&P	Baltimore 3 MD	BLTMMDDT03T	10/48	4/LT	C	1985	X
	Washington 2, DC (Uptown)	WASHDCUT02T	1/49	4/LT	CC	1982	X
	Arlington, VA (Local)	ARTNVAAR01T	9/51	Lcl.		1983	
	Hyattsville, MD	HYVLMDHY10T	10/51	Lcl.		1984	
	Silver Spring, MD (Local)	SLSPMDSS10T	9/61	Lcl.		1987	X
	Norfolk 1, VA	NRFLVABS01T	8/62	4/LT	CC	1981	X
	Baltimore 6, MD	CTVLMDC06T	1/63	Lcl.		1986	
	Silver Spring, MD (Toll)	SLSPMDSS01T	5/64	4/LT	C	1983	X
	Washington, DC (Dupont)	WASHDCDP10T	11/64	Lcl.		1986	
	Arlington 1, VA (Toll)	ARTNVAAR02T	3/66	4/LT		1982	X
	Washington, DC (Mt. Pleasant)	WASHDCUT10T	10/66	4		1985	
	Baltimore 7, MD	BLTMMDWL07T	12/67	Lcl.		1988	X
Washington, DC (Southwest)	WASHDCSW10T	/68	4/LT		1988		

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CROSSBAR TANDEM IN SERVICE-END OF 1980

CO.	LOCATION <sup>5</sup>	CLLI	SERVICE DATE	CLASS <sup>1</sup>	FEA-TURES <sup>2</sup>	RETIREMENT DATE	6-DIGIT TRANS-LATION
SO	West Palm Beach, FL	WPBHFLAN01T	11/66	4A	C	1981	X
OHIO	Cleveland (Henderson 1) (#)	CLEVOH4301T	4/48	Lcl.		-	
	Cleveland (Garfield)	CLEVOH4201T	2/55	4/LT	C	1981	X
	Youngstown 1	YNTWOH0201T	8/56	4/LT	CC	1988	X
	Akron 1	AKRNOH2501T	11/57	4/LT	CC	1984	X
	Columbus 1	CLMBOH1101T	7/58	4A/LT	CC	1983	
	Cleveland (Clearwater 1) (*)	CLEVOH2501T	1/59	4	CC	1981	X
	Canton	CNTNOH0101T	6/60	3/LT	C	1984	X
	Cleveland (Henderson 2) (#)	CLEVOH4302T	9/66	Lcl.		-	
	Cleveland (Clearwater 2) (*)	CLEVOH2502T	7/69	Lcl.		-	
MICH	Detroit (Trinity)	DTRTMIMD01T	10/41	Lcl.		1982	
	Detroit (Woodward) (*)	DTRTMIBA21T	12/53	4/LT	CC	1982	X
	Grand Rapids 2	GDRPMIBL01T	4/57	4/LT	CC	1984	X
	Flint	FLNTMIMN01T	6/57	4/LT	C, RTA	1983	X
	Pontiac	PNTCMIMN01T	4/58	4A/LT		1983	X
	Detroit (Cadillac) (*)	DTRTMIBA11T	7/58	4/LT	CC	1982	X
	Detroit (University)	DTRTMIUVO1T	6/59	4A/LT		1982	X
	Saginaw 1	SGNWMIMN01T	6/61	4/LT	CC	1990	X
	Lansing 1	LNNGMIMN01T	8/64	4/LT	CC	1988	X
	Kalamazoo 1	KLMZMIMN01T	11/65	4/LT	CC	1984	X
	Jackson	JCSNMIMN01T	7/67	3/LT	CC, RTA	1984	X
	Traverse City	TRCYMIMN01T	6/73	4/LT	CC, RTA	1984	X
	IND	South Bend 2	SBNDINO101T	8/56	4	CC, T	1984
Evansville		EVVLINO101T	10/58	3	C, RTA	1985	X
WISC	Milwaukee 2	MILWWI4801T	11/48	4/TO	CC	1981	X
	Appleton 1	APPLWIO101T	5/62	3	CC, RTA	-	X
	Madison 1	MDSNWI0101T	5/63	4/TO	CC	1984	X
	Milwaukee (Fairway Dr.)	MILWWI4510T	11/65	Lcl.		1983	

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CROSSBAR TANDEM IN SERVICE-END OF 1980

CO.	LOCATION <sup>5</sup>	CLLI	SERVICE DATE	CLASS <sup>1</sup>	FEA-TURES <sup>2</sup>	RETIREMENT DATE	6-DIGIT TRANS-LATION
ILL	Chicago (Stewart 1) (*)	CHCGILST01T	11/52	4A		1984	
	Chicago (Belle Plaine 1) (#)	CHCGILBP01T	8/54	4A		1982	
	Chicago (Franklin 1) (*)	CHCGILFR01T	7/55	Lcl.		1983	
	Chicago (Kedzie 1) (#)	CHCGILKE01T	10/58	Lcl.		1990	
	Chicago (Franklin 2) (*)	CHCGILFR02T	5/59	Lcl.		1987	
	Champaign 1	CHMPLCP01T	6/59	4	C	1984	X
	Peoria 1	PEORILPJ01T	9/61	4	C	1983	X
	Chicago (Belle Plaine 2) (#)	CHCGILBP02T	12/61	Lcl.		1982	
	Chicago (Stewart 2) (*)	CHCGILST02T	10/66	4A		1985	X
	Decatur	DCTRILDC01T	12/68	4	C,RTA	-	X
	Chicago (Kedzie 2) (#)	CHCGILKE02T	7/69	Lcl.		1989	
	Alton	ALTNILAL01T	12/72	4	C	1992	X
	Rock Island 2	RCISILRI01T	10/73	4	C,RTA	1983	X
	NW	Sioux City, IA	SXCYIADT03T	6/60	3	CC,TSP	1982
Waterloo, IA		WTRLIADT03T	6/61	4	CC,RTA	1981	X
Omaha, NE		OMAHNENW13T	2/69	Lcl.		1982	
Rapid City, SD		RPCYSDCO03T	3/70	4	C,RTA		X
Bismarck 1, ND		BSMRNDBC04T	4/70	3	CC	1982	X
Grand Forks, ND		GDFRNDBC04T	10/73	3	C	1986	X
SW	St. Louis, MO (Jefferson 1)	STLSMO0511T	8/49	Lcl.		1982	
	Kansas City, MO	KSCYMOL301T	9/49	Lcl.		1981	
	Amarillo 1, TX	AMRLTXDR01T	8/55	2/TO	C	1984	X
	Sweetwater, TX	SWTWTXSW01T	3/57	2/TO		1985	X
	Joplin, MO	JPLNMOMA01T	6/62	3	C,RTA	1982	X
	Springfield, MO	SPFDMOTL01T	12/64	4	C,T	1982	X
	Waco, TX	WACOTXO101T	12/67	3	C,RTA	1981	X
	Sikeston, MO	SKSTMGR01T	11/68	3	C,RTA	1983	X
	Abilene, TX	ABLNTXOR01T	4/69	3	C,RTA	1983	X
	St. Joseph, MO	STJSMODN01T	6/70	4	C,RTA	1990	X
	TX	El Paso 1, TX	ELPSTXMA01T	9/62	4	C,RTA	1982
Twin Falls, ID		TWFLIDMA01T	8/74	4/TO	C	1987	X

CROSSBAR TANDEM IN SERVICE-END OF 1980

CO.	LOCATION <sup>5</sup>	CLLI	SERVICE DATE	CLASS <sup>1</sup>	FEA-TURES <sup>2</sup>	RETIREMENT DATE	6-DIGIT TRANS-LATION
PNB	Seattle 3, WA (Mutual)	STTLWA0103T	4/48	3/LT		Lcl. '82	
	Seattle, WA (East)	STTLWA0350T	9/54	Lcl.		1985	
	Yakima, WA	YAKMWA0201T	8/58	3/TO	CC	1985	X
	Seattle, WA (Emerson)	STTLWA0451T	10/58	Lcl.		1985	
	Tacoma, WA	TACMWA0201T	5/64	3/TO	CC	1984	X
	Eugene, OR	EUGNOR5301T	6/65	3/TO	CC	1985	X
PAC	Oakland 1	OKLDCA0100T	1/42	Lcl.		1981	
	Los Angeles 5T	LSANCA0105T	1/48	Lcl.		1982	
	Los Angeles 17T (*)	LSANCA0517T	6/49	Lcl.		1982	
	Hollywood 3T (#)	HLWDCA0103T	1/50	Lcl.		1983	
	San Jose 2	SNJSCA0212T	3/52	3/LT	C	1982	X
	Oakland 4 (Franklin 0) (#)	OKLDCA0300T	7/54	Lcl.	C	1981	X
	Los Angeles, 6T	LSANCA0206T	8/55	Lcl.		1982	
	Fresno 1	FRSNCA0126T	10/56	4	CC	1985	X
	Anaheim	ANHMCA0134T	6/57	3	CC,T	1981	X
	Santa Rosa	SNRSCA0129T	6/57	3A	CC	1984	X
	Stockton 1	SKTNCA0128T	8/57	3	CC	1984	X
	Alhambra	ALHBCA0108T	9/57	Lcl.		1983	
	Bakersfield	BKFDCA0130T	4/58	3	C	1981	X
	Compton	CMTNCA0122T	12/58	Lcl.		1982	
	Sherman Oaks	SHOKCA0120T	12/58	Lcl.		1983	
	Eureka	EURKCA0131T	1/59	3	C	1985	X
	Reno 2, NV	RENONV0200T	1/60	3/LT	CC	1982	X
	Palo Alto	PLALCA0216T	7/60	4/LT	C	1985	X
	Oakland 1 (Franklin 1) (#)	OKLDCA0301T	5/62	4/LT	C	1981	X
	Modesto	MDSTCA0233T	6/62	3	CC	1981	X
	San Rafael	SNRFCA0100T	9/62	4/LT	C	1983	X
	Oceanside	OCSOCA0127T	5/63	4	C	1983	X
	Salinas	SLNSCA0111T	4/64	3	CC	1981	X
	Concord	CNCRCA0100T	5/67	4/LT	C	1983	X
	Los Angeles 18T (*)	LSANCA0518T	5/67	Lcl.		1982	
	Hollywood 4T (#)	HLWDCA0104T	10/68	Lcl.		1983	
	Redding	RDNGCA0203T	1/72	3	C	1983	X
Chico	CHICCA0105T	12/72	3	CC	1983	X	
El Monte	ELMNCA0161T	6/80	4		1983		

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CROSSBAR TANDEM IN SERVICE-END OF 1980

CO.	LOCATION <sup>5</sup>	CLLI	SERVICE DATE	CLASS <sup>1</sup>	FEA-TURES <sup>2</sup>	RETIREMENT DATE	6-DIGIT TRANS-LATION
SNE	Hartford 1	HRFRCT0201T	6/56	4A	CC	1984	X
	Stamford	SMFRCT0101T	9/56	4A	CC	1981	X
	New Haven 2	NWHNCT0201T	4/57	4A	CC	1984	X
	Waterbury	WTRBCT0002T	11/57	4	CC	1985	X
	Meriden	MRDNCT0002T	10/58	4A	CC	1984	X
	Bridgeport 2	BRPTCT0202T	3/59	4A	CC,T	1982	X
	New London	NWLNCT0201T	5/62	4A	CC	1985	X
	Hartford 2	HRFRCT0202T	8/65	4A	CC,T	1984	X
	Norwalk	NRWLCT0201T	12/70	4A	CC,T	1982	X
CINN	St. Bernard	STBROHSB01T	5/63	Lcl.		1985	X
NON-BELL	Rochester 1, NY	ROCHNYXA01T	11/58	4	C	1982	X
	Rochester 2, NY	ROCHNYXA02T	4/69	4A	C	1982	X
	Middletown, NY (XPT)	MDTWNXXA02T	/74	4	C		
	Myrtle Beach, SC (XPT)	MYBHSCXD01T	3/74	4	C,T		
	Woodbridge, VA (XPT)	WDBGVAXA01T	5/75	4	C,T		
	Plymouth, WI (XPT)	PLMOWIXA71T		4/TO	C		X
	Bloomington, IL (XPT)	BLTNILXD01T		4/TO			
TCTS	Regina 1, SK	REGNSK0101T	11/55	2	C	1981	X
	Toronto 2, ON	TOROON0202T	8/58	4	C	1984	X
	Calgary 1, AB	CLGRAB0101T	4/59	4	C	1981	X
	Montreal 2, PQ	MTRLPQ0102T	3/60	4	C	1983	X
	London 1, ON	LONDON4801T	8/60	4	C	1982	X
	Hamilton 1, ON	HMTNON1401T	2/61	4	C	1983	X
	Saint John 1, NB	STJHNBSU01T	5/62	3	C	1988	X
	Windsor, ON	WNDSON1201T	5/62	4	C	1988	X
	Ottawa 1, ON	OTWAON2301T	5/63	4	C	1984	X
	Quebec 1, PQ	QUBCPQ1401T	9/63	4	C	1984	X
	Barrie, ON	BARION1801T	5/64	4	C	1982	X
	Kitchener 1, ON	KTNRON0601T	9/64	4	C	1983	X
	Sudbury 1, ON	SDBRON9701T	12/64	3	C	1986	X
	Sherbrooke 1, PQ	SHBKPP4001T	3/66	3	C	1984	X
	Prince George 2, BC (XPT)	PGRGBC0102T	5/73	3	C,T	1981	X

*Roch. Tel. Co.*

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Chart 6

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	CLASS <sup>1</sup>	C = CAMA RTA	RETIRE- MENT DATE	CO.	LOCATION	CLLI	CLASS <sup>1</sup>	C = CAMA RTA	RETIRE- MENT DATE	
NE	Ayer, MA	AYERMAPL01T	4	C	'84	NJ	Freehold	FRHDNJFH01T	4	C	'81	
	Falmouth, MA	FLMOMAMG01T	4		CL5 '84		Mt. Holly	MTHLNJMH01T	4A	C	'85	
	Gardner, MA	GRNRMAWE01T	4	C	CL5 '85		Washington	WASHNJWA01T	4	C		
	Hyannis, MA	HYNSMAOC01T	4	C	CL5 '84		PA	Bloomsburg	BMBGPABL51T	4	C,RTA	'85
	Milford, MA	MLFRMAWA01T	4		CL5 '84			Clarion	CLARPACL51T	4	C	'85
	Northampton, MA	NATNMAMA01T	4		CL5 '82			Connellsville	CNVLPAC051T	4		'85
	Pittsfield 1, MA	PTFDMAFE02T	4A	C,RTA	CL5 '82			Lansdale	LNDLPALD51T	4	C	'83
	Plymouth, MA	PLMOMACO01T	4		CL5 '83			Pottsville	PTTVPAP051T	4	C,RTA	'83
	Salem, MA	SALMMAO01T	4	C	CL5 '82			Rochester	ROCHPARC51T	4	C	'83
	Walpole, MA	WLPLMASS01T	4	C	CL5 '84			Stroudsburg	SRBGPAST51T	4	C	'85
	Wareham, MA	WAHMAHI01T	4		CL5 '84			Warren	WRRNPAWA51T	3	C	'86
	Dover, NH	DOVRNHTH01T	4	C,RTA	'84			Warrington	WGTPNAWR51T	4	C	CL5 '82
	Keene, NH	KEENNHWA01T	4	C,RTA	'86			Washington	WASHPAWA51T	4		'81
	Laconia, NH	LACNHNHM01T	4	C,RTA	'85		Dover, DE	DOVRDEDV51T	4	C	'83	
	Portsmouth, NH	PTMONHIS01T	4		'82		C&P	Annapolis, MD	ANNPMDAN01T	4	C	'81
	Portsmouth, NH	PTMONHIS01T	4		'82			Bel Air, MD	BLARMDBL01T	4	C	CL5 '82
	Newport, RI	NWPTRIBU01T	4		'85			Chestertown, MD	CHRTMDCH01T	4	C	
Woonsocket, RI	WNSCRICL01T	4		'85	Cumberland, MD	CMLDMDCM01T		4	C			
NY	Batavia	BATVNYBT01T	4	C	'86	Easton, MD		ESTNMDES01T	4	C	'85	
	Catskill	CTSKNYCT01T	4	C	'84	Frederick, MD		FRDRMDFR01T	4	C	'84	
	Dunkirk	DNKRNYDK01T	4	C	'85	Hagerstown, MD		HGTNMDHG01T	4	C	'84	
	Geneva	GENVNYGN01T	4	C	'86	Havre de Grace, MD	HDGRMDHV01T	4	C	'86		
	Herkimer	HRKMNYHC01T	4	C	'88	La Plata, MD	LPLTMDLA01T	4	C	'86		
	Hornell	HRNLNYHL01T	4	C	'86	Westminster, MD	WMNSMDWM01T	4	C	'84		
	Ithaca	ITHCNYIH01T	4	C	'90	Culpeper, VA	CLPPVACU01T	4	C	'86		
	Kingston	KGTNNYKG01T	4	C	'83	Danville, VA	DAVLVADA01T	4	C,RTA	'83		
	Malone	MALNNYMM01T	4		'87	Leesburg, VA	LSBGVALB01T	4	C	'83		
	Newark	NWRKKNYK01T	4	C	'85	Norton, VA	NRTNVANO01T	4	C,RTA	'84		
	Newburgh	NWBRNYNW01T	4	C	'83	Onancock, VA	ONNCVAON01T	4	C	'85		
	Ogdensburg	OGBGNYOG01T	4		'90	Winchester, VA	WNCHVAWC01T	4	C	'81		
	Oneida	ONEDNYOD01T	4	C	'91	Fairmont, WV	FAMTWVMN25T	4	C	CL5 '83		
	Oneonta	ONNTNYOH01T	4	C	'86	Lewisburg, WV	LWBGWVMN25T	4	C	'86		
	Oswego	OSWGNYSO01T	4	C	'90	Logan, WV	LOGNWVHC25T	4	C	'86		
	Plattsburgh	PLBGNYPB03T	3	C	'85	Weirton, WV	WRTNWVDW25T	4	C	CL5 '81		
	Potsdam	PTSDNYPS01T	4	C	'85	Wheeling, WV	WLNGWVCP25T	3	C	'81		
	Riverhead	RVHDNYRV01T	4A		'95	Williamson, WV	WMSNWVLG25T	4				
	Rome	ROMENYRM01T	4	C	'89							
	Saranac Lake	SRLKNYQL01T	4	C	'96							
Southampton	SATNNYSN01T	4A		'95								
Watertown	WTTWNYUN01T	4	C	'83								

Chart 7

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	CLASS	C = CAMA RTA	RETI- REMENT DATE	CO.	LOCATION	CLLI	CLASS	C = CAMA RTA	RETI- REMENT DATE	
SO	Chipley, FL	CHPLFLMA01T	4	C,RTA		SOCN	Humboldt, TN	HMBLTNMA51T	4	C,RTA	CL5 '83	
	Cocoa, FL	COCOFMLA01T	4		CL5 '81		Jackson, TN	JCSNTNMA51T	4	C,RTA	CL5 '81	
	Sanford, FL	SNFRFLMA01T	4	C	CL5 '81		Lebanon, TN	LBNNTNMA51T	4		CL5 '81	
	Titusville, FL	TTVFLFLMA01T	4		CL5 '81		Morristown, TN	MRTWTNMA51T	4	C	CL5 '81	
	Brunswick, GA	BRWKGAMA01T	4		'86		Shelbyville, TN	SHVLTNMA51T	4	C,RTA	CL5 '83	
	Cartersville, GA	CRVLGAMA01T	4	C	'89							
	Dublin, GA	DBLNGAMA01T	4	C	'85		OHIO	Coshocton	CSTNOH6250T	4	C	'90
	Millen, GA	MLLNGAMA01T	4	C	'86			Gallipolis	GLPLOH4450T	4	C	'98
	Waycross, GA	WYCRGAMA01T	4	C	'82			Ironton	IRTNOH5350T	4	C	'99
	Goldsboro, NC	GLBONCMA01T	4		CL5 '84			Lancaster	LNC SOH6550T	4	C	'86
	Laurinburg, NC	LRBGNCMA01T	4	C	'85			Marietta	MRTTOH3750T	4	C	'85
	Morgantown, NC	MGTNNGCR01T	4		'85			Piqua	PIQUOH7750T	4		'99
	Salisbury, NC	SLBRNCMA01T	4		CL5 '83			Sandusky	SNDSOH6250T	4	C	'94
	Orangeburg, SC	ORBGSCMA01T	4	C,RTA	'82			Tiffin	TFFNOH4450T	4	C	'92
					Washington Court House	WACHOH3350T		4	C	'98		
SOCN	Gadsden, AL	GSDALMT61T	4	C	'85	MICH		Escanaba	ESCNMIMN09T	3		'83
	Huntsville, AL	HNVIALMT61T	4	C	CL5 '82			Iron Mountain	IRMTMIMN09T	4	C	'82
	Jasper, AL	JSPRALMT61T	4	C	'86			Marquette	MRQTMIMN19T	4	C,RTA	'84
	Selma, AL	SELMALMT61T	4	C	'86			Monroe	MONRMIMN09T	4		'81
	Sheffield, AL	SHFDALMT61T	4	C	CL5 '82			Petoskey	PTSKMIMN19T	4	C,RTA	'92
	Tuscaloosa, AL	TSCLALMT61T	4	C	'84							
	Bowling Green, KY	BWLGKYMA05T	4	C	CL5 '84		IND	Auburn	AUBNIN0105T	4	C	'94
	Danville, KY	DAVLKYMA05T	3	C	'00			Crawfordsville	CFVLIN0105T	4	C,RTA	'93
	Henderson, KY	HNSNKYMA05T	4	C	'00	Crown Point		CRPNINCX07T	4	C	'93	
	Middlesboro, KY	MDBOKYMA05T	4	C	'93	Huntington		HNTNIN0105T	4	C	'91	
	Shelbyville, KY	SHVLKYMA05T	4	C	'85	Kokomo		KOKMIN0105T	4	C,RTA	'83	
	Covington, LA	CVTNLAMA01T	4	C	CL5 '81	New Castle		NWCSIN0105T	4	C	'94	
	Hammond, LA	HMNDLAMA01T	4	C	CL5 '81	Vincennes		VINCIN0105T	4	C,RTA	'88	
	Biloxi, MS	BILXMSMA05T	4	C	CL5 '83							
	Columbus, MS	CLMBMSMA05T	4	C,RTA	'85	WISC		Berlin	BRLNWI0151T	4		'85
	Greenwood, MS	GNWDMMSMA05T	3	C,RTA	'84			Fond du Lac	FDULWI0151T	4	C	'81
	Grenada, MS	GRNDMSMA05T	4	C	'84			Oshkosh	OSHKWI0151T	4	C	'85
	Hattiesburg, MS	HTBGMSMA05T	4	C,RTA	'83			Stevens Point	STPTWI0151T	4	C	
	Laurel, MS	LARLMSMA05T	4	C	'84			Watertown	WTTWWI0151T	4	C	'81
	McComb, MS	MCCMMSMA05T	4	C	'84							
	Tupelo, MS	TUPLMSMA05T	3	C,RTA	'82							
	Athens, TN	ATHNTNMA51T	4		CL5 '81							
	Columbia, TN	CLMATNMA51T	4	C	CL5 '81							
	Dyersburg, TN	DYBGTNMA51T	4	C	CL5 '81							
Harriman, TN	HIMNTNMA51T	4	C	CL5 '81								

Chart 7

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	CLASS <sup>1</sup>	C = CAMA RTA	RETIREMENT DATE	CO.	LOCATION	CLLI	CLASS <sup>1</sup>	C = CAMA RTA	RETIREMENT DATE
ILL	Beardstown	BDTWILBD07T	4	C	'92	NW	Sidney, NE	SDNYNENW05T	3	C	'99
	Cairo	CAIRILCF07T	4	C	'92		Aberdeen, SD	ABRDSDCO05T	4	C	'81
	Canton	CNTNILCN07T	4	C	'86		Watertown, SD	WTTWSDCO05T	4	C	'96
	Edwardsville	EWVLILERO7T	4	C	'88		Winner, SD	WNNRSDCO05T	4		'82
	LaSalle	LSLLILLS07T	4	C	'91	SW	West Memphis, AR	WMMPARMA05T	4	C	CL5 '81
	Morris	MRRSILMS07T	4	C,RTA	'85		Abilene, KS	ABLNKSCD05T	4	C	'90
	Mount Vernon	MTVRILMV07T	4	C	'87		Chanute, KS	CHNTKSSS05T	4	C	'90
	Quincy	QNCYILQY07T	4	C,RTA	'81		Concordia, KS	CNCRKSBRO5T	4	C	'90
	Sterling	STNGILSI07T	4	C	'84		Dodge City, KS	DDCYKS0105T	4	RTA	'85
	Vandalia	VANDILVA07T	4	C	'96		El Dorado, KS	ELDOKSST05T	4	C	'90
Woodstock	WDSTILWS07T	4	C,RTA	'86	Emporia, KS		EMPRKS0805T	4	C	'86	
NW	Ames, IA	AMESIATC05T	4	C	'86		Independence, KS	INDPKSMA05T	4	C	'90
	Atlantic, IA	ATLTIATC05T	4	C	'89		Lawrence, KS	LWRNKSV05T	4	C	'81
	Carroll, IA	CRRLIATC05T	4	C	'89		Newton, KS	NWTNKS0505T	4		'90
	Charles City, IA	CHCYIATC05T	4		'81	Ottawa, KS	OTWAKSMA05T	4	C	'90	
	Dubuque, IA	DUBQIATC05T	4	C	'83	Pittsburg, KS	PSBGKSLO05T	4	C,RTA	'90	
	Ft. Madison, IA	FTMDIATC05T	4		'88	Winfield, KS	WNFDKSMI05T	4	C	'90	
	Iowa City, IA	IWCYIATC05T	4	C	'81	Chillicothe, MO	CHLCMOMI05T	4	C,RTA	'85	
	Mason City, IA	MSCYIATC05T	3	C	'81	Flat River, MO	FLRVMOGE05T	4	C	'86	
	Oelwein, IA	OLWNIATC05T	4	C	'89	Hannibal, MO	HNBLMOAC05T	4	C	CL5 '83	
	Spencer, IA	SPNCIATC05T	4	C,RTA	'86	Mexico, MO	MEXCMOJU05T	4	C,RTA	'85	
	Storm Lake, IA	STLKIATC05T	4		'88	Moberly, MO	MBRLMOAM05T	3	C,RTA	'84	
	Webster City, IA	WBCYIATC05T	4	C	'87	Sedalia, MO	SDLIMOTA05T	4	C	CL5 '82	
	Anoka, MN	ANOKMNAN05T	4		'89	Ada, OK	ADA-OKMA05T	4	C	CL5 '82	
	Bemidji, MN	BMDJMNBE05T	4	C	'89	Altus, OK	ALTSOKMA05T	4	C	'86	
	Crookston, MN	CKTNMNCRO5T	4	C	'89	Ardmore, OK	ARMROKMA05T	4	C,RTA	'85	
	Owatonna, MN	OWTNMNOW05T	3	C	'92	Chickasha, OK	CHCKOKMA05T	4	C	CL5 '82	
	Shakopee, MN	SHKPMNSHO5T	4	C,RTA	'87	Clinton, OK	CLTNOKMA05T	4	C,RTA	'85	
	Thief River Falls MN	TRFLMNTHO5T	4	C	'88	Duncan, OK	DNCNOKMA05T	4	C	CL5 '82	
	Virginia, MN	VRGNMNVIO5T	3	C,RTA	'86	Durant, OK	DRNTOKMA05T	4	C,RTA	'84	
	Wadena, MN	WADNMNWA05T	3	C	'85	Enid, OK	ENIDOKMA15T	4	C,RTA	'84	
	Willmar, MN	WLMRMNWIO5T	3	C	'85	McAlester, OK	MCLSOKMA05T	4	C	CL5 '83	
	Windom, MN	WNDMMNWIO5T	3	C	'85	Shawnee, OK	SHWNOKMA05T	4	C	CL5 '81	
	Winona, MN	WINOMNWIO5T	4	C	'86	Beeville, TX	BEVLTXBV05T	4	C	'87	
	Grafton, ND	GFTNNDBC05T	4		'00	Cisco, TX	CISCTXHI05T	4	C	'88	
	Jamestown, ND	JMTWNDBC05T	4		'00	Seguin, TX	SGINTXSG05T	4	C	CL5 '82	
	Fremont, NE	FRMTNENW05T	4	C	'91	Wharton, TX	WHTNTXWHO5T	4	C	CL5 '85	
	Norfolk, NE	NRFLNENW05T	4	C	'81						
	North Platte, NE	NPLTNENW05T	4	C	CL5 '81						

Chart 7

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BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	CLASS	C = CAMA RTA	RETIRE- MENT DATE	CO.	LOCATION	CLLI	CLASS	C = CAMA RTA	RETIRE- MENT DATE
MTN	Prescott, AZ	PRSCAZMA44T	4	C	-						
	Durango, CO	DURNCOMA24T	4	C	'00						
	Great Falls, MT	GRFLMTMA73T	3	C	-						
	Livingston, MT	LVTNMTMA22T	4	C	'81						
	Missoula, MT	MSSLMTMA72T	4	C	'82						
	Alamogordo, NM	ALMGNMMA43T	4	C	-						
	Roswell, NM	RSWLNMA62T	4	C	'82						
	Logan, UT	LOGNUTMA75T	4	C	'83						
	Ogden, UT	OGDNUTMA62T	4	C,RTA	'82						
	Price, UT	PRICUTMA63T	4	C,RTA	-						
	Vernal, UT	VRNLUTMA78T	4	C	-						
	Rock Springs, WY	RCSPWYMA38T	4	C	-						
	PNB	Astoria, OR	ASTROR6401T	3	C	-					
Bend, OR		BENDOR2401T	3TO	C	'84						
Medford, OR		MDFDOR3301T	3TO	C	'83						
Pendleton, OR		PNTNOR5601T	3	C	'90						
Salem, OR		SALMOR5801T	4TO	C	'83						
Aberdeen, WA		ABRDWA0101T	4	C	'90						
Bellingham, WA		BLHMWA0101T	3	C	'84						
Olympia, WA		OLYMWA0201T	4	C	'84						
Walla Walla, WA		WLWLWA0101T	4	C	'86						
PAC		El Centro	ELCNCA0141T	4	C,RTA	'84					
	Jackson	JCSNCA0122T	4	C	'81						
	Lakeport	LKPTCA0204T	4	C	'84						
	Newhall	NHLLCA0147T	4	C	'82						
	Red Bluff	RDBLCA0152T	4	C	'83						
	Rialto	RILTCA1173T	4	C	'82						
	San Luis Obispo	SNLOCA0117T	3	C	'81						
	South Tahoe	STAHCA0135T	4	C	'85						
	Yuba City	YBCYCA0167T	4	C	'82						
ONE	Danielson	DNSNCT0001T	4	C	'83						
STNN	Batavia, OH	BATVOHBA01T	4	C	'85						

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Chart 7

NON-BELL CLASS 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	1,2 FEA- TURES	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	1,2 FEA- TURES	RETIRE- MENT DATE
NE	North Anson, ME	NANSMEXA01T	NX1D-10	C	1981	SO	Moultrie, GA	MLTRGAXA01T	NX1D-10	C	1984
NY	Chatham	CHHMNYXA02T	XB-5	C			Clinton, NC	CLTNNCXA01T	NX1D-10	T	
	Geneseo	GENSNYXA01T	NX1D-10	C			Elkin, NC	ELKNNCXA02T	NTS4E-10		
	Jamestown	JMTWNYXA01T	5XB	C			Greenville, NC	GNVLCNXA01T	5XB-11	C	1984
	Rhinebeck	RHNBNYXA01T	NX1-10	C	1985		Hickory, NC	HCKRNCXA01T	NT500-10		
NJ	Belvidere	BLVDNJXW01T	NX1D-10	C,T			Siler City, NC	SLCYNCA01T	NTS4-10		
	Clinton	CLTNNJXJ01T	NX1D-10	C,T			Southern Pines, NC	SPNSNCA01T	NX1E-10		
	Newton	NWTNNJXU01T	NX1D-10	C,T	1984	SOCN	Greenwood, SC	GNWDSCXC01T	NX1D-10		
PA	Carlisle	CRLSPAXC19T	NX1E-10	C,T			Monroeville, AL	MOVLALXA52T	A1-5		
	Chambersburg	CHBGPAXC19T	NX1D-10	C,T	1983	OHIO	Bristol, TN <i>(United Interest)</i>	BRSTTNXA51T	XB-10		
	Hanover (York Co.)	HNVRPAXH19T	NX1E-10	C,T			Ashtabula	ASHTOHXA01T	SP1-11	C,T	
	Kittanning	KTINGPAXK89T	SP1-11	C			Bellefontaine	BLLFOHXA51T	NX1E-10	C,AUX	1982
	Towanda	TWNDPAXT19T	NX1E-10	C,T			Bucyrus	BCYROHXA50T	NX1-10	C	CL5 1983
	Waynesburg	WYBGPAXW51T	NX1E-10	C,T	1982		Defiance	DFNCOHXA50T	NX1-10	C	CL5 1983
C&P	Charlottesville, VA <i>(Central)</i>	CHVLVAXA01T	AMAR-5	C,T,*	1981		Elyria	ELYROHXA01T	SP1-11	C,T	
	Edinburg, VA <i>(Shenandoah)</i>	EDBGVAXA02T	NX1E-10	T	1983		Galion	GLINOHXA50T	NX1D-10	C,T	
	Emporia, VA	EMPRVAXA01T	NTS2-10	C,T			Greenville	GNVLOHXA50T	NX1D-10	C,T	
SO	Avon Park, FL <i>(G7B)</i>	AVPKFLXA03T	NTS4E-10	C			Lorain	LORNOHXA01T	NX1D-10	C,T	
	Lake Buena Vista, FL	LKBNFLXB02T	SP1-11	C			Mansfield <i>(United)</i>	MNFDOHXA50T	NX1E-10	C,T	1983
	Leesburg, FL	LSBGFLXA01T	NX1D-10	C,T			Oberlin	OBRLOHXA50T	NX1-10	C	1983
	Live Oak, FL	LVOKFLXA02T	NTS4E-10	C			Pataskala	PTSKOHXA50T	NX1-10	C	
	Marianna, FL	MRNNFLXA02T	A1-5	C,T			Sanbury	SNBYOHXA50T	NX1-10	C	
	Ocala, FL	OCALFLXA02T	NTS4E-10	C			Van Wert	VNWROHXA50T	NX1-10	C	CL5 1981
	Tallahassee, FL <i>(Central)</i>	TLHSFLXA01T	NX1D-10	C	1981	IND	Warren 2	WRRNOHXA01T	NX1-10	C	1981
	Winter Garden, FL	WNGRFLXA01T	NX1D-10	C			Decatur	DCTRINXA05T	NX1E-10	C	1984
	Commerce, GA	CMRCGAXA01T	NX1D-10	C			Franklin	FKLININXA05T	NX1-10	C	
	Cornelia, GA	CRNLGAXA01T	SP1E-12	C	1982		Greensburg	GNBGINXB02T	SP1-11	C	
	Dalton, GA	DLTNGAXC01T	NX1D-10	C,T	1983		Jasper	JSPRINXA05T	NX1E-10	C	1983
							Monticello	MNTIINXA05T	NX1E-10	C	1985
							Plymouth	PLMOINXA05T	NX1E-10	C	1983
							Seymour	SYMRIXA05T	NX1E-10	C	1981
							Warsaw	WRSWINXA05T	NX1E-10	C	1983

Chart 7A

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NON-BELL CLASS 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	1, 2 FEA- TURES	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	FEA- TURES 1, 2	RETIRE- MENT DATE		
WISC	Elkhorn La Crosse Wisconsin Rapids	ELKHWIXB71T	C460-9	C		PNB	Moscow, ID (GTE)	MSCWIDXX01T	5XB		1981		
		LCRSWICX71T	NX1D-10	C			Coos Bay, OR	CSBYORXX02T	NX1D-10				
		WRPDWIXA71T	NX1E-10	C			Hood River, OR	HDRVORXA01T	NX1E-10				
ILL	Freeport Mattoon (ICTC)	FRPTILXA01T	SP1-11	C, T, *			La Grande, OR	LAGRORXB01T	NX1D-10				
		MTONILXC50T	NTS4E-10				White City, OR	WHCYORXX01T	NX1E-10				
NW	Newton, IA Scottsbluff, NE (united)	NWTNIXC06T	NX1E-10	C			Everett, WA (GTE)	EVRTWAXC01T	5XB				
		SCTSNE XU02T	NX1D-10	C, T			Poulsbo, WA	PLSBWAXX01T	NX1E-10				
SW	Harrison, AR Pleasanton, KS Harrisonville, MO Jefferson City, MO Maryville, MO Rolla, MO Warrensburg, MO Kingfisher, OK Athens, TX Kerrville, TX Killeen, TX Navasota, TX Stephenville, TX	HRSNARXA09T	A1-5	C		PAC	Oakhurst	OKHRCAXA11T	NX1E-10				
		PLTNKSXA06T	XB-7	C		CINN	Lawrenceburg, IN	LRBGINXA01T	XB-10	C, TO			
		HNVLMOXA09T	AMR10-10	C			Lebanon, OH (Warren Co.)	LBNNOHXA01T	NX1-10	C			
		JFCYMOXA09T	AMR500-10	C, T		ALSK <i>Alaska</i>	Anchorage 1	ANCRAXZA01T	NX1D-10		1982		
		MRVLMOXA09T	AMR400-10	C			Fairbanks 907+052+	FRBNAKZA01T	NX1E-10				
		ROLLMOXA06T	NX1D-10	C, T		Juneau (Lena Point) 907+053+	LNPNAKXA01T	SP1-11					
		WRBGMOXA09T	NTS2E-10	C, T		TCTS	Calgary 3, AB	CLGRAB2103T	SP1-11	C, T, *	1981		
		KGFSOKXA03T	SP1-11	C, T, *			Drumheller 1, AB	DMHLAB0101T	5XB-11	C		1982	
		ATHNTXXA03T	XB-10	C			Edmonton 2, AB	EDTNAB0202T	SP1-11	C, T, *			
		KRVLTXXA01T	A1-5	C, T			Edmonton 3, AB	EDTNAB0203T	SP1-11	C, T, *			1986
		KLLNTXXC01T	XB				Grande Prairie 1, AB	GDPRAB0101T	5XB-11	C			
		NVSTTXXA01T	NX1E-10	C, T			Lethbridge 2, AB	LTBRAB0202T	SP1-11	C, T			
STVLTXXA03T	XB-10	C		Peace River 1, AB	PCRVAB0101T	5XB-11	C	1982					
MTN	Kingman, AZ St. Michaels, AZ Kalispell, MT (MTNW Tel)	KGMNAZXC75T	SP1-11	C, T		Red Deer 2, AB	RDDRAB0102T		SP1-11	C, T	1984		
		STMCAZXE01T	5XB			Vegreville 2, AB	VGVLAB0102T		SP1-11	C, T			
		KLSLMTXC01T	SP1-11			Thompson 2, MB	THSNMB0102T		SP1-11	C, T		1982	
					ANCP	Moncton 1, NB	MCTNNSA01T		5XB-11	C	1982		
						Gander 2, NF	GDRNFXA02T		SP1-11	C, T			
						Grand Falls 1, NF	GDFLNFO101T	SP1-11					
						Marystown 1, NF	MYTWNFO101T	5XB-11					

Chart 7A

NON-BELL CLASS 4 CROSSBAR OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	1,2 FEA- TURES	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	FEA- TURES <sup>1,2</sup>	RETIRE- MENT DATE	
TCTS	Amherst 1, NS	AMHRNS0102T	SP1-11	C	1984	TCTS	Charlottetown 2, PE	CHTWPE0102T	SP1-11	C	1995	
	Kentville 2, NS	KTVLNS0202T	SP1-11	C	1996							
	New Glasgow 1, NS	NWGLNS0101T	5XB-11	C								
	Sydney 1, NS	SYDNNS0101T	5XB-11	C	1982							
		Belleville 1, ON	BLVLON2401T	5XB-11	C	1984		Cap aux Meules 1, PQ	CPMLPQXT01T	5XB-11		
		Brampton 1, ON	BMTNON1301T	5XB-11	C,T	1983		Donnacona 1, PQ	DNNGPQXQ01T	5XB-11	C	
		Brantford 1, ON	BTFDON1701T	5XB-11	C	1983		Drummondville 1, PQ	DRUMPQ7701T	5XB-11	C	1988
		Brockville 1, ON	BKVLON4501T	5XB-11	C	1985		Gaspe 1, PQ	GASPPQXQ01T	5XB-11		
		Chatham 1, ON	CHHMON1701T	5XB-11	C	1984		Granby 1, PQ	GRNBQP8801T	5XB-11	C	1985
		Cornwall 1, ON	CRNWON2401T	5XB-11	C	1983		Joliette 1, PQ	JOLTPQ1701T	5XB-11	C	1985
		Fort Erie 1, ON	FTERON0201T	5XB-11	C	1986		Lac Megantic 1, PQ	LCMGPQ1401T	5XB-11	C	1985
		Guelph 1, ON	GLPHON2201T	5XB-11	C	1983		Mont Laurier 1, PQ	MTLRPQXT01T	5XB-11		
		Lindsay 1, ON	LNDSOON901T	5XB-11	C	1985		Montmagny 1, PQ	MTMGPQXQ01T	5XB-11	C	
		Markham 1, ON	MRHMON2401T	5XB-11	C	1987		Montreal 4, PQ	MTRLPQ5804T	SP1-11	T,*	
		Newmarket 1, ON	NWMKON8501T	5XB-11	C	1987		Rimouski 1, PQ	RMKIPQXA01T	5XB-11		
		Orangeville 1, ON	OGVLON2301T	5XB-11	C	1999		Riviere du Loup 1, PQ	RDLPPQ4901T	5XB-11	C	1990
		Oshawa 2, ON	OSHWON9502T	SP1-11	C			St. Agathe 1, PQ <sup>des Monts?</sup>	STATPQ5301T	5XB-11	C	1985
		Owen Sound 1, ON	OWSDON5901T	5XB-11	C	1987		St. Felicien 1, PQ	SFCNPQ2901T	5XB-11	C	1987
		Peterborough 1, ON	PTBOON6201T	5XB-11	C	1984		St. Hyacinthe 2, PQ	STHYPQ6902T	SP1-11	C	1983
		Sarnia 1, ON	SARNON3001T	5XB-11	C	1984		St. Jerome 1, PQ	SJERPQ0501T	5XB-11	C	1983
		Sault Ste Marie 1, ON	SSMRON9401T	5XB-11	C	1985		Ste. Marie de Beauce 1, PQ	STMBPQXQ01T	5XB-11	C,T	
		Simcoe 1, ON	SIMCON3001T	5XB-11	C			Trois Rivieres 1, PQ	TSRVPQ3201T	5XB-11	C	1982
		Smiths Falls 1, ON	SMFLON1801T	5XB-11	C	1987		Valleyfield 1, PQ	VYFDPQ4701T	5XB-11	C	1985
		Stratford 1, ON	SRFRON3801T	5XB-11	C	1984		Moose Jaw 2, SK	MSJWSK0202T	SP1-11	C	1983
		St. Catharines 2, ON	STCTON1002T	SP1-11	C			North Battleford, SK	NBFRSK0202T	SP1-11	C	1984
		St. Thomas 1, ON	STTMON2801T	5XB-11	C	1987	CARIB	Bridgetown, BD	BRTWBDXA01T	ARM-18		
		Thunder Bay 3, ON	TDBAON3203T	SP1-11	C							
		Timmins 2, ON	TMNSONX002T	SP1-11	C							
		Toronto 4, ON	TOROON0104T	SP1-11	C							
		Toronto 5, ON	TOROON6305T	SP1-11	C,T,*							
		Toronto 6, ON	TOROON6306T	SP1-11	C,T							
		Walkerton 1, ON	WKTNON0101T	5XB-11	C	1990						

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Chart 7A

BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	C=CAMA TO=Toll Only AUX 1	RETIRE- MENT DATE	CO.	LOCATION	CLLI	C=CAMA TO=Toll Only AUX 1	RETIRE- MENT DATE	
NE	Greenfield, MA	GNFDMACH01T		CL5 '82	PA	Bradford	BRFRPABR11T	C	'82	
	North Adams, MA	NADMMASU01T		CL5 '82		Butler	BTLRPABT11T	TO	'83	
	Pittsfield 2, MA	PTFDMAFE01T		CL5 '81		Clearfield	CLFDPACL11T		'84	
	Augusta, ME	AGSTMEST01T	C	'81		Indiana	INDIPAIN11T		'84	
	Bath, ME	BATHMEHI01T		'86		Lebanon	LBNNPALE11T		'82	
	Biddeford, ME	BDFRMEJE01T		'84		Lewistown	LWTWPALE11T		'85	
	Calais, ME	CALSMECH01T		'87		(Mifflin Co.)				
	Dover Foxcroft, ME	DVFXMEMA01T		'92		Shamokin	SHMKPASH11T		'83	
	Ellsworth, ME	ELWOMEMA01T		'87		Sunbury	SNBYPASU11T		'82	
	Farmington, ME	FRTNMEHI01T		'86		C&P	Staunton, VA	STTNVAST01T	C	'83
	Houlton, ME	HLTNMECO01T		CL5 '93	Martinsburg, WV		MRBGWVBU21T	C	'84	
	Norway, ME	NRWYMEFA01T		'89	SO	Lenoir, NC	LENRNCHA01T		'85	
	Presque Isle, ME	PRIMESEO1T		'81		Statesville, NC	SSVLNCA01T		'82	
	Rockland, ME	RKLDMELI01T	C	'85	SOCN	Opelika, AL	OPLKALMT51T		CL5 '83	
	Waterville, ME	WTVLMEAP01T	C	'83		Maysville, KY	MYVLKYMA01T		CL5 '81	
	Claremont, NH	CLMTNHBR01T		CL5 '85	Clarksdale, MS	CSDLMSMA01T		'84		
	Conway, NH	CNWNHYA01T		CL5 '89	Corinth, MS	CRNTMSMA01T		'82		
	Exeter, NH	EXTRNHCE01T		CL5 '82	OHIO	Barnesville	BRVIOH4250T	C	'83	
	Littleton, NH	LTTNNHPLO1T	C	CL5 '91		Fremont	FRMTOH3350T	C	'85	
	Nashua, NH	NASHNHHA01T	TO	CL5 '82		Hillsboro	HLBOOH3950T	C	'84	
	Peterborough, NH	PTRBNHCO01T		CL5 '87		New Lexington	NWLXOH3450T	C	'83	
	Narragansett, RI	NRGNRIMA01T		'82		Upper Sandusky	UPSNOH2950T	C	CL5 '84	
	Bellows Falls, VT	BLFLVTHE01T		CL5 '85		Winchester	WNCHOH6950T	C	'86	
	Bennington, VT	BGTNVTPL01T		CL5 '86		Xenia	XENIOH3750T	C	CL5 '83	
	Brattleboro, VT	BRBOVTMA01T	C	CL5 '84		Zanesville	ZNVLOH2750T	C	'84	
	Middlebury, VT	MDLBVTCC01T		'87		MICH	Battle Creek	BTCKMIMN08T		'82
	Montpelier, VT	MTPLVTSCO1T	C	CL5 '82			Cadillac	CDLCMIMN08T		'83
	Morrisville, VT	MRVLVTUN01T		'88	Hillsdale	HLDLMIMN08T		'85		
	St. Albans, VT	STALVTBA01T		'89	Reed City	RDCYMIMN02T		'85		
	St. Johnsbury, VT	STBYVTSM01T	C	CL5 '85	IND	Attica	ATTCIN0105T		'84	
	NY	Auburn	AUBNNYAU01T			'87	Clinton	CLTNIN0105T		'84
		Bath	BATHNYBH01T			'84	Frankfort	FRFTIN0105T		'85
Cobleskill		CBLSNYZB01T		'87		Marion	MARNIN0105T		CL5 '82	
Corning		CRNGNYCG01T		'86		Shelbyville	SHVLIN0105T		'83	
Cortland		CRLDNYCR01T		'85						
Hudson		HDSNNYHD01T		'82						
Sodus		SODSNYSD01T		'85						
Ticonderoga		TCNDNYTI01T		'81						

Chart 8

BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	C-CAMA TO=Toll Only AUX <sup>1</sup>	RETIRE- MENT DATE	CO.	LOCATION	CLLI	C-CAMA TO=Toll Only AUX <sup>1</sup>	RETIRE- MENT DATE		
WISC	Ashland	ASLDWIO111T	C	'85	MTN	Alamosa, CO	ALMSCOMA58T		'84		
	Hudson	HDSNWIO111T	C	'82		La Junta, CO	LJNTCOMA38T		'82		
	Marinette	MRNTWIO111T	C	'84		Lamar, CO	LAMRCOMA33T		'82		
	Sturgeon Bay	STBYWIO111T		'84		Payette, ID	PYTTIDMA64T		'81		
	Superior	SPRRWIO111T	C	'84		Glendive, MT	GLNDMTMA36T	C	'81		
NW	Algona, IA	ALGNIATC01T		'85		Havre, MT	HAVRMTMA26T		'83		
	Burlington, IA	BURLIATC01T		'84		Missoula, MT	MSSLMTMA54T		'82		
	Ottumwa, IA	OTTMATC01T		'82		Shelby, MT	SHLBMTMA43T		'81		
	Sheldon, IA	SHLNIATC01T	C	'85		Deming, NM	DMNGNMMA54T		CL5	'81	
	Austin, MN	AUSTMNAU01T		'84		Richfield, UT	RCFDUTMA89T			-	
	Detroit Lakes, MN	DTLKMNDLO1T		'84	PNB	Newport, OR	NWPTOR3501T		'84		
	Fergus Falls, MN	FRFLMNF01T		'83		Bremerton, WA	BMTNWA0101T	AUX	'82		
	Grand Rapids, MN	GDRPMNGRO1T		-		Centralia, WA	CENLWA0101T		'81		
	Little Falls, MN	LTFLMNLFO1T		'85		Ephrata, WA	EPHRWA0101T		'85		
	Luverne, MN	LVRNMNLU01T	C	'85		Wenatchee, WA	WNTCWA0101T	TO	'81		
	Marshall, MN	MRSHMNMA01T	C	'82	PAC	Fairfield	FRFDCA0109T		'82		
	Montevideo, MN	MTVDMNMO01T		'87		Marysville	MYVICA0100T		'81		
	Ortonville, MN	ORVLMNOR01T		'81		Merced	MRCDCOA0100T		'81		
	Pine City, MN	PNCYMNPC01T		'84		Portola	PTOLCA0100T		'81		
	Preston, MN	PSTNMNPRO1T		'81		Willows	WLWSCA1100T		'81		
	Sauk Centre, MN	SKCTMNSCO1T		'87		Yreka	YREKCA1100T		'81		
	Williston, ND	WLSTNDBC01T		'81		Ely, NV (355A)	ELY-NV0100T		'83		
	Mobridge, SD	MBRGSDCO01T		'82		Winnemucca, NV	WNMCNV0100T		'82		
	SW	Colby, KS	CLBYKS0509T	C		'85	SNE	Ansonia-Derby	DRBYCT0001T		'85
		Garden City, KS	GRCYKS0709T	C		'81		New Milford	NMFRCT0001T		'83
Manhattan, KS		MNHTKS0409T	C	'81	Norwich	NRWCCT0001T			'86		
Eldon, MO		ELDNMOEX09T	C	'84	Old Saybrook	OLSYCT0001T			'84		
Kirkville, MO		KKVLMOMO09T	C	'85	Willimantic	WLMNCT0001T			'84		
Victoria, TX		VCTATX0109T	C	'82	Windsor Locks	WLKSCT0001T			'84		
					CINN	Williamstown, KY		WLTWKYWT01T		'85	

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Chart 8

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE
NE	Hillsboro, NH	HLBONHXA01T	XY-17	C,AUX	1981	C&P	Rocky Mount, VA	RCMTVAXA01T	SXS-1	C	1981
NY	Au Sable Forks	ASFKNYXA01T	XY-15	C	1983		Saluda, VA	SALDVAXA01T	XY-15	C	
	Boonville	BNVLNYXA01T	SXS-1				Smithfield, VA	SMFDVAXA01T	SXS-1	C	1982
	Champlain	CHPLNYXA01T	XY-15		1981		Wytheville, VA	WYVLVAXA01T	XY-15	C	1982
	Delhi	DELHNYXA01T	XY-15		1981	SO	Crestview, FL	CRVWFLXA01T	SXS-1	C	1981
	Hamilton	HMTNNYXA01T	SXS-1				Ft. Walton Beach, FL	FTWBFLXA01T	SXS-1	C	1981
	Interlaken	INTRNYXA01T	XY-15				Naples, FL	NPLSFLXA01T	SXS-1	C	CL5 1981
	Johnstown	JHTWNYXA01T	SXS-1		1983		Port St. Joe, FL	PTSJFLXA01T	XY-15	C,T	
	Norwich	NRWCNYXA01T	SXS-1	C,T	1981		Quincy, FL	QNCYFLXA01T	XY-15	C,T	
	Pulaski	PLSKNYXA01T	SXS-1				Fitzgerald, GA	FTZGGAXA01T	XY-15	C	1984
	Sidney	SDNynyXA01T	SXS-1		1982		Hawkinsville, GA	HWVLGAXA01T	XY-15	C	
	Walden	WLDNNYXA01T	SXS-1	C	CL5 1981		Hinesville, GA	HNVLGAXA01T	XY-15	C	
	Walton	WLTNNYXA01T	XY-15	C			Milledgeville, GA	MDVLGAXA01T	SXS-1	C	1985
	Westfield	WSFDNYXA01T	XY-15	T			Statesboro, GA	STBOGAXA01T	XY-15	C	
							Toccoa, GA	TOCCGAXA01T	SXS-1	C	1984
PA	Bedford	BDFRPAXB19T	XY-15	C	1985		Washington, GA	WASHGAXA01T	XY-15	C	
	Johnstown	JHTWPAXJ11T	SXS-1		1983		Winder, GA	WNRGAXA01T	SXS-1	C	1981
	Montrose	MTRSPAXM19T	SXS-7	C,T	1981		Ahoskie, NC	AHSKNCXA01T	SXS-1	C	
	New Milford	NMFRPAXN19T	SXS-1	C			Asheboro, NC	ASBONCXA01T	SXS-1		1983
	Newport	NWPTPAXN19T	XY-15	C	1982		Durham 1, NC (GTE)	DRHMNCXT01T	SXS-1		1981
	Oil City	OLCYPAXO11T	SXS-1	C	1982		Elizabeth City, NC	ELCYNCA01T	SXS-1	C	
	Somerset	SMRTPAXS11T	SXS-1	C	1985		Henderson, NC	HNSNNCXA01T	SXS-1	C	
	Vandergrift	VNDGPAXM11T	SXS-1		1985		Jacksonville, NC	JCVLNCXA01T	SXS-1	C	
							Kinston, NC	KSTNNCXA01T	SXS-1	C	
C&P	Amherst, VA	AMHRVAXA01T	SXS-7	C			Lexington, NC	LXTNNCXA01T	SXS-1		
	Charlottesville, VA	CHVLVAXA01T	SXS	AUX	1981		Mount Airy, NC	MTARNCXA01T	SXS-1		
	Covington, VA	CVTNVAXA01T	SXS-1	C	1984		New Bern, NC	NWBRNCXA01T	SXS	C	
	Lexington, VA	LXTNVAXA01T	XY-15	C	1983		Sylva, NC	SYLVNCXA01T	XY-15	C	1981
							Whiteville, NC	WHVLNCXA01T	SXS-1	C	1982
							Williamston, NC	WMTNNCXA01T	SXS-1	C	1986
							Chester, SC	CHESSCXA01T	SXS-1		
							Lancaster, SC	LNCSSCXA01T	SXS-1		

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Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C - CAMA T = TSPS AUX 1	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C - CAMA T = TSPS AUX 1	RETIRE- MENT DATE	
SOCN	Atmore, AL	ATMRALXA51T	XY-15		1982	OHIO	Port Clinton	PCTNOHXA50T	SXS-1	C		
	Dothan 1, AL (G-TO)	DTHNALXA51T	XY-15				Portsmouth	PTMOOHXA50T	SXS-1	C	1984	
	Foley, AL (Gnd T-2)	FOLYALXA51T	XY-15		1981		Sidney	SDNYOHXA50T	XY-15	C		
	Leesburg, AL	LSBGALXA51T	XY-15				Stony Ridge	STRGOHXA50T	SXS-1	C	1981	
	Campbellsville, KY	CMVLKYXA01T	SXS-1		1984		Urbana	URBNOHXA50T	SXS-1	C	1981	
	Elizabethtown, KY	EZTWKYXA01T	SXS-1		1982		Wapakoneta	WPKNOHXA50T	SXS-1	C		
	Glasgow, KY	GLSGKYXA01T	SXS-1		1983		Warren 1	WRRNOHXA50T	SXS-1		1981	
	Hazard, KY	HZRDKYXA01T	SXS-1		1985		Wauseon	WASNOHXA50T	SXS-1	C	CL5 1983	
	Morehead, KY	MRHDKYXA01T	SXS-1		1982		Wilmington	WLMGOHXA50T	SXS-1	C		
	Somerset, KY	SMRTKYXA01T	SXS-1		1985		Wooster	WSTROHXA50T	SXS-1	C	1981	
Cookeville, TN	CKVLTNXA01T	SXS-1		1981								
OHIO	Ashland	ASLDOHXA50T	SXS-1	C		MICH	Allegan	ALLGMIXG08T	SXS-1	C		
	Athens	ATHNOHXA50T	SXS-1	C,T	1985		Alpena	ALPEMIXG08T	SXS-1	C	1983	
	Bellefontaine	BLLFOHXA50T	SXS-1	C	1982		Coldwater	CDWRMIXG08T	SXS-1	C	CL5 1981	
	Bowling Green	BWLGOHXA50T	SXS-1	C,T	1983		Dowagiac	DWGC MIXG02T	SXS-1	C	CL5 1981	
	Brookville	BKVLOHXA50T	SXS-1	C,T			Owosso	OWSOMIXH08T	SXS-1	C		
	Bryan	BRYNOHXA50T	SXS-1	C			Roscommon	RSCMMIXH02T	SXS-1	C		
	Cadiz	CADZOHXA50T	SXS-1	C			South Haven	SOHNMIXH08T	SXS-1	C	CL5 1981	
	Cambridge	CMBROHXA50T	SXS-1	C	1984		Three Rivers	THRRMIXG08T	SXS-1		1981	
	Celina	CELNOHXA50T	SXS-1	C	1984							
	Chillicothe	CHLCOHXA50T	SXS-1	C		IND	Angola	ANGLINXA05T	SXS-1		CL5 1981	
	Circleville	CRVLOHXA50T	SXS-1	C			Connersville	CSVLINXA05T	SXS-1	C	CL5 1983	
	Eaton	EATNOHXA50T	XY-15	C			Greencastle	GNC SINXA05T	SXS-1	C	CL5 1982	
	Georgetown	GRTWOHXA50T	SXS-1	C			Lagrange	LGRNINXA05T	XY-15	C	1984	
	Jackson	JCSNOHXA50T	SXS-1	C			Lafayette	LFYTINXA05T	SXS-1	C	1982	
	Jefferson						Madison	MDSNINXA05T	USIM-16	C	CL5 1981	
	(Ashtabula Co.)	JFSAOHXA50T	SXS-1	C	CL5 1982		Tipton	TPTNINXA05T	XY-15	C		
	Minerva	MNRVOHXA50T	SXS-1	C			Wabash	WBSHINXA05T	SXS-1	C	CL5 1981	
	Mount Gilead	MTGLOHXA50T	SXS-1	C	1984							
	Mount Vernon	MTVROHXA50T	SXS-1	C	1982		WISC	Clintonville	CIVLWIXA11T	SXS-1	C	
	Napoleon	NPLNOHXA50T	SXS-1	C	1983			Dodgeville	DGVLWIXA11T	SXS-1	C	1983
New Philadelphia	NWPHOHXA50T	SXS-1	C,T		Marshfield	MRFDWIXA11T		SXS-1	C	1985		
Norwalk	NRWLOHXA50T	SXS-1	C	1982								

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Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE
WISC	Monroe	MONRWIXA71T	XY-15	C		NW	Chariton, IA	CHRTIAXC02T	XY-15	C	1984
	New Richmond	NWMDWIXA71T	XY-15	C	1981		Clarinda, IA	CLRDIAXT02T	XY-15	C	
	Sparta	SPRTWIXA71T	SXS-1	C	1981		Creston, IA	CETNIAXC02T	XY-15	C	1982
	Viroqua	VIRQWIXA71T	XY-15	C			Fairfield, IA	FRFDIAXC02T	XY-15	C	
ILL	Benton	BNTNILXE06T	SXS-1			Fort Dodge, IA	FTDDIAXC02T	SXS-1	C	1981	
	Carmi	CARMILXE06T	SXS-1			Jefferson, IA	JFSNIAXC02T	XY-15	C		
	Carrollton	CRTNILXC06T	SXS-1			Mount Ayr, IA	MTAYIAXC02T	SXS-1			
	Carthage	CRTHILXC06T	XY-15			Nevada, IA	NEVDIAXC02T	SXS-1	C	1982	
	Casey	CASYILXC06T	XY-15			New Hampton, IA	NHTNIAXC02T	XY-15	C	CL5 1981	
	Dixon	DIXNILXA06T	XY-15		1981	Osceola, IA	OSCLIAXC02T	SXS-1	C	1982	
	Flora	FLORILXE06T	SXS-1			Rockwell City, IA	RCCYIAXC02T	SXS-1	C		
	Galesburg	GLBGILXD06T	SXS-1		1982	Alexandria, MN	ALXNMNXA02T	SXS-1	C	1981	
	Geneseo	GENSILXD06T	SXS-1			Blue Earth, MN	BLERMNXB02T	XY-15	C		
	Harrisburg	HRBGILXE06T	SXS-1			Fairmont, MN	FAMTMNXF02T	SXS-1	C	1981	
	Jacksonville	JCVLILXC06T	SXS-1		1983	Milaca, MN	MILCMNXM02T	XY-15	C		
	Kewanee	KEWNILXD06T	SXS-1			Worthington, MN	WOTNMNXW02T	XY-15	C		
	Lawrenceville	LRVLILXE06T	SXS-1			Zumbrota, MN	ZMBRMNXZ02T	SXS-1			
	Lincoln	LNCLILXC06T	SXS-1			Auburn, NE	AUBNEXL02T	SXS-1			
	Litchfield	LTFDILXC06T	SXS-1			Aurora, NE	AURRNEXM02T	SXS-1		1981	
	Macomb (G-16)	MCMBILXD06T	SXS-1		1981	Beatrice, NE	BTRCNEXL02T	SXS-1		1982	
	Monmouth	MNMOILXD06T	SXS-1			Blair, NE	BLARNEXH02T	XY-15	C		
	Oregon	ORGNILXA06T	XY-15			Columbus, NE	CLMBNEXG02T	SXS-1	C		
	Paris	PARSILXC06T	SXS-1			David City, NE	DVCYNEXL02T	SXS-1			
	Pittsfield	PTFDILXC06T	SXS-1			Fairbury, NE	FRBRNEXL02T	SXS-1			
	Pontiac	PNTCILXA06T	SXS-1			Falls City, NE	FLCYNEXM02T	SXS-1			
	Princeton	PRTNILXA06T	SXS-1			Geneva, NE	GENVNEXL02T	SXS-1			
	Robinson	RBSNILXE06T	SXS-1			Hastings, NE	HSNGNEXL02T	SXS-1		1982	
	Rochelle	RCHEILXA06T	XY-15		1983	Hebron, NE	HBRNEXL02T	SXS-1		1981	
	Sandwich	SNDWILXA06T	SXS-1			Kearney, NE	KRNYNEXG02T	SXS-1	C		
	Sparta	SPRTILXE06T	SXS-1			Seward, NE	SWRDNEXL02T	SXS-1			
	Streator	STRTILXA06T	SXS-1			Superior, NE	SPRRNEXL02T	SXS-1			
	Taylorville	TYVLILXC06T	SXS-1			Tecumseh, NE	TCMSNEXL02T	SXS-1			

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Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE
NW	Wahoo, NE	WAHONEXL02T	SXS-1		1981	SW	Levelland, TX	LVLDTXXA09T	SXS-1	C,T	1984
	York, NE	YORKNEXL02T	SXS-1				Littlefield, TX	LTFDTXXA09T	SXS-1	C,T	1985
SW	Crossett, AR	CRSTARXA09T	XY-15	C	1986		Lufkin, TX	LFKNTXXA09T	XY-15	C,T	1982
	Fordyce, AR	FRDYARXA09T	XY-15	C	1985		Memphis, TX	MMPHTXXA09T	SXS-1	C,T	1987
	Greenbriar, AR	GNBRARXA09T	XY-15	C	1986		Nocona, TX	NCNATXXA09T	SXS-1	C	
	Hardy, AR	HRDYARXA09T	XY-15		1986		Port Lavaca, TX	PTLVTVXXA09T	XY-15	C,T	1984
	Stuttgart, AR	STTGARXA09T	SXS-1	C	1990		San Angelo, TX	SANGTXXA09T	SXS-1	C,T	1984
	Galena, KS	GALNKSA09T	XY-15	C			San Marcos, TX	SMRCTXXA09T	XY-15	C,T	1981
	Hiawatha, KS	HWTHKSA09T	XY-15	C,TO			Seymour, TX	SYMRTXXA09T	XY-15	C	1987
	Junction City, KS	JNCYKSA09T	XY-15	C,T			Sherman, TX	SHMNTXXA09T	SXS-1	C	1984
	Ulysses, KS	ULYSKSA09T	XY-15	C	1981		Texarkana, TX	TXRKTXXA09T	SXS-1	C	1986
	Cameron, MO	CMRNMOXA09T	SXS-1	C	1982	MTN	Holbrook, AZ	HLBKAZXC52T	XY-15	C	
	Higginsville, MO	HGVLMOXA09T	SXS-1	C			Salmon, ID	SLMNIDXC75T	XY-15		
	Milan, MO	MILNMOXA09T	XY-15	C			Hobbs, NM	HBBSNMXA09T	SXS-1	C	
	Sullivan, MO	SLLVMOXA01T	XY-15	C			Delta, UT	DELTUTXC86T	SXS-1	C	1983
	Wentzville, MO	WNVLMOXA09T	XY-15	C,T	1981		Moab, UT	MOABUTXC25T	XY-15	C	1982
	Guymon, OK	GYMNOKXA09T	SXS-1	C							
	Baytown, TX	BYTWTXXA09T	SXS-1	C,T	1982	PNB	Burns, OR	BRNSORXX01T	XY-15		
	Brownfield, TX	BWFDTXXA09T	SXS-1	C,T	1985		Estacada, OR	ESCDORXX01T	XY-15		1981
	Brownwood, TX	BWWDTXXA09T	SXS-1	C,T	1984		Myrtle Creek, OR	MYCKORXA01T	XY-15		
	Burnet, TX	BURNTXXA09T	XY-15	C	1981		Pilot Rock, OR	PLRKORXX01T	XY-15		1981
	Commerce, TX	CMRCTXXA09T	XY-15	C	1982		Cheney, WA	CHNYWAXA01T	XY-15		1981
	Crockett, TX	CRCTTXXA09T	XY-15	C	1982		Ellensburg, WA	ELBGWAXA01T	SXS-1		
	Del Rio, TX	DLRITXXA09T	SXS-1	C,T	1987		Forks, WA	FRKSWAXX01T	SXS-1	AUX	1981
	Dickinson, TX	DCSNTXXA09T	SXS-1	C,T	1981		Gig Harbor, WA	GGHRWAXA01T	XY-15		1981
	Dimmitt, TX	DMMTTXXA09T	XY-15	C			Grays River, WA	GRRVWAXA01T	SXS-1		
	Fairfield, TX	FRFDTXXA09T	XY-15		1982						
	Fredericksburg, TX	FRBGTTXXA09T	XY-15	C,T	1988						

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Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE	
PNB	Long Beach, WA	LNBHWAXA01T	XY-15			PAC	Reedley	RDLYCAXF35T	SXS-1			
	Lynden, WA	LYNDWAXX01T	XY-15	AUX	1981		Ridgecrest	RDGCCAXF85T	SXS-1			1981
	Morton, WA	MRTNWAXX01T	XY-15				Sanger	SNGRCAXF56T	SXS-1			
	Naches, WA	NCHSWAXX01T	SXS-1	AUX			Santa Barbara	SNBBCAXF54T	SXS-1			
	Orting, WA	ORNGWAXA02T	XY-15	AUX			Santa Maria	SNTMCAXF55T	SXS-1			1984
	Tonasket, WA	TNSKWAXA01T	XY-15				Susanville	SSVLCAXF00T	XY-15			
	Vashon, WA	VSHNWAXA01T	SXS-1	AUX			Taft	TAFTCAXF51T	SXS-1			1981
	Westport, WA	WSPTWAXA01T	SXS-1	AUX			Weaverville	WVVLCAFG00T	SXS-1			
PAC	Alturas	ALTRCAXF00T	SXS-1			Yucca Valley	YCVYCAXG89T	SXS-1	C		1983	
	Barstow	BRSWCAXG65T	SXS-1			Elko, NV	ELKONVXF73T	XY-15	C		1982	
	Bishop	BSHPCAXF81T	SXS-1		1983	Fallon, NV	FLLNNVXA42T	XY-15	C		1982	
	Bishop	BSHPCAXF82T	SXS-1		1983	Gardnerville, NV	GRDNNVXA78T	SXS-1	C		1985	
	Blythe	BLYTCAXF83T	XY-15			Pioche, NV	PICHNVXA96T	XY-15	C		1982	
	Burney	BRNYCAXF33T	XY-15			Tonopah, NV	TNPHNVXB48T	SXS-7	C		1981	
	Colusa	COLSCAXF00T	XY-15			Yerington, NV	YRTNNVXA46T	XY-15	C			
	Courtland	CRLDCAXG77T	SXS-1			CINN	Oxford, OH	OXFROHXA01T	SXS-1			
	Dos Palos	DSPLCAXF00T	XY-15			HAWI	Hilo	HILOHIMNB1T	SXS-1			
	Fort Jones	FTJNCAXF00T	XY-15			Lihue	LHUEHIMNB1T	SXS-1				
	Garberville	GRVLCAXF00T	XY-15			Wailuki	WALKHIMNB1T	SXS-1				
	Hemet	HEMTCAXF67T	SXS-1		1983	TCTS	Camrose 1, AB	CMRSAB0101T	SXS-11	C	1982	
	Indio	INDICAXF69T	SXS-1		1982	Edson 1, AB	EDSOAB0101T	SXS-11	C		1982	
	Kerman	KRMNCAXF55T	SXS-1			Campbell Rvr 1, BC	CBRVBC0101T	SXS-2	C		1984	
	Lancaster	LNCSCAXG52T	SXS-1			Cranbrook 1, BC	CRBKBC0101T	SXS-2	C		1984	
	O'Neals	ONLSCAXF00T	XY-15		1981	Dawson Creek 1, BC	DWCKBC0101T	SXS-2	C		1982	
	Oxnard	OXNRCAXF53T	SXS-1			Duncan 1, BC	DNCNBC0101T	SXS-2			1982	
	Palm Springs (GTE)	PLSPCAXG71T	SXS-1		1983	Fort Nelson 1, BC	FTNLBCXN01T	SXS-2	C			
	Perris	PERSCAXF92T	SXS-1		1983	Nanaimo 1, BC	NNIMBC0101T	SXS-2	C		1982	
	Redlands	RDLDCAXF75T	SXS-1		1982	Nelson 1, BC	NLSNBC0101T	SXS-2	C		1983	

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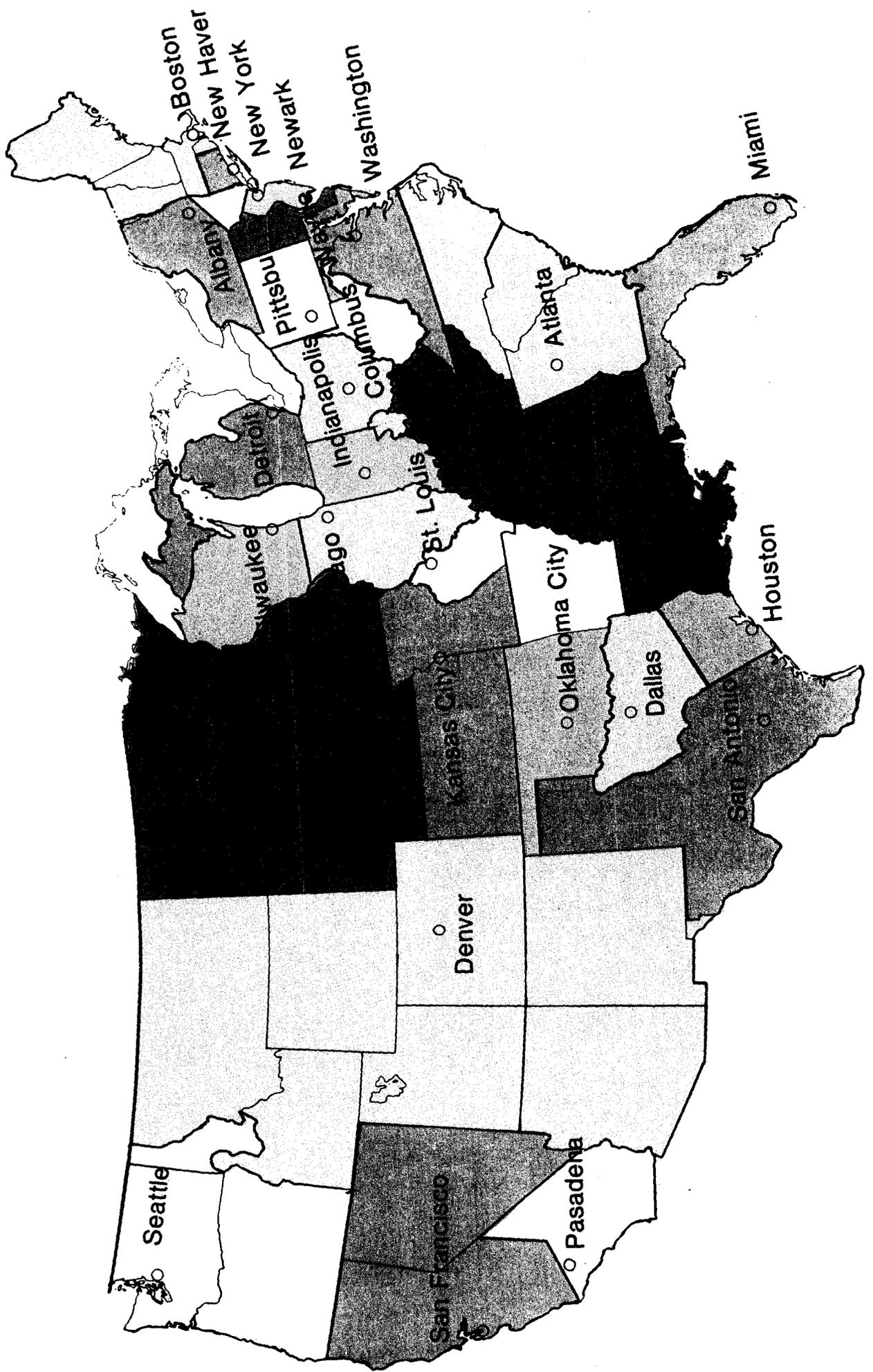
Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1980

AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE	AREA/ CO.	LOCATION	CLLI	TYPE - MFG. 6	C = CAMA T = TSPS AUX 1	RETIRE- MENT DATE
TCTS <i>GTB</i>	Port Alberni 1, BC	PTAIBC0101T	SXS-2		1983	TCTS <i>Bell</i> <i>out</i> <i>mark</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i> <i>Bell</i>	Beaverton 1, ON	BVTNON0101T	SXS-11	C	1985
	Powell River 1, BC	PWRVBC0101T	SXS-2		1982		Bracebridge 1, ON	BCBRON1601T	SXS-11	C	1984
	Terrace 1, BC	TRRCBC0201T	SXS-2	C	1983		Clinton 1, ON	CLTNON0501T	SXS-1	C	1986
	Vernon 1, BC	VERNBC0101T	SXS-2	C	1981		Huntsville 1, ON	HNVION1701T	SXS-11	C	1984
	Williams Lake 1, BC	WLLKBC0101T	SXS-2	C	1984		Midland 1, ON	MDLDON1901T	SXS-11	C	1983
	Dauphin 1, MB	DAPHMB0101T	SXS-2				New Liskeard 1, ON	NLKDONX001T	SXS-11	C	1983
	Morden 1, MB	MRDNMB0101T	SXS-2				Niagara Falls 1, ON	NGFLON0501T	SXS-11	C	1989
	Portage la Prairie, MB	PRPRMB0101T	SXS-11				Orillia 1, ON	ORLLON1101T	SXS-11	C	1983
	Selkirk 1, MB	SLKRMB0101T	SXS-2		1982		Parry Sound 1, ON	PYSDON2601T	SXS-11	C	
	Steinbach 1, MB	STNBMB0101T	SXS-2				Pembroke 1, ON	PMBRON5201T	SXS-11	C	1983
	Bathurst 1, NB	BTSTNBSC01T	SXS-11		1984		Port Hope 1, ON	PTHPON6101T	SXS-11	C	1984
	Campbellton 1, NB	CMTNNBSC01T	SXS-11				Renfrew 1, ON	RENFON5401T	SXS-11	C	1983
	Edmundston 1, NB	EDMNNBSC01T	SXS-11				Tillsonburg 1, ON	TLBGON4401T	SXS-11	C	1985
	Fredericton 1, NB	FCTNNBSK01T	SXS-11				Welland 1, ON	WLLDON1601T	SXS-11	C	1989
	Woodstock 1, NB	WDSTNBSC01T	SXS-11				Woodstock 1, ON	WDSTON4501T	SXS-11	C	
Bay Roberts 1, NF	BARTNF0101T	SXS-11	C	1985	Alma 1, PQ	ALMAPQ1401T	SXS-11	C	1985		
Goose Bay 1, NF	GSBANF0501T	SXS-11			Noranda 1, PQ	NRNAPQXT01T	SXS-11		1982		
Port aux Basques, NF	PTABNF0101T	SXS-2			Sorel 1, PQ	SORLPQ6301T	SXS-11		1983		
Stephenville					St. Jean 1, PQ	STJNPQ9301T	SXS-11		1983		
Crossing 1, NF	SVLCNF0101T	SXS-2		1984	Thetford						
Bridgewater 1, NS	BRWRNS0101T	SXS-2	C	1983	Mines 1, PQ	THMNPQ3701T	SXS-11		1985		
Halifax 2, NS	HLFXNS0102T	SXS-2		1982	Victoriaville 1, PQ	VCVLPQ3901T	SXS-11		1986		
Truro 1, NS	TRURNS0101T	SXS-2	C	1983	Estevan 1, SK	ESTVSK0101T	SXS-2		1981		
Yarmouth 1, NS	YMONS0101T	SXS-2	C	1984	Melfort 1, SK	MLFTSK0101T	SXS-2		1984		
					Swift Current 1, SK	SWCRSK0101T	SXS-2	C	1981		
					Weyburn 1, SK	WYBNSK0101T	SXS-2	C	1981		
<i>C/NCP</i>	Hay River 1, NT	HYRVNTXA01T	SXS-2	C	1981	MEX	Mexicali	MXCLMXXF00T			1981
	Inuvik 1, NT	INVKNTXN01T	SXS-11				Tijuana	TIJNMXXF00T			1981
						CARIB	Caymen Is., CQ	GRGICQXA01T	SXS		
							Mayaguez, <i>PR</i>	MYGZPRXX01T	SXS		

Chart 8A

# EADAS/NM System





# TransCanada Telephone System

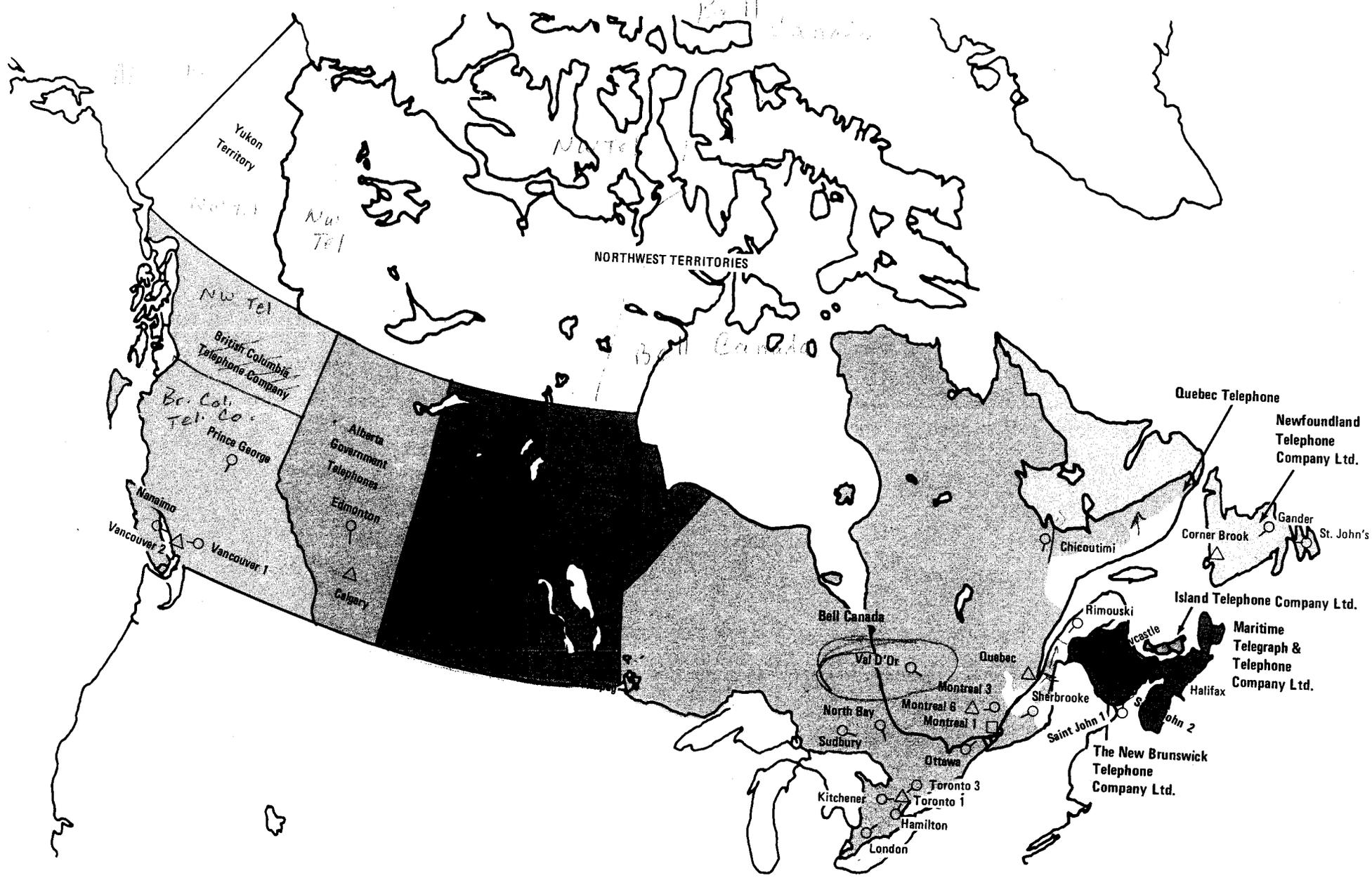




Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1980								
CO	LOCATION	CLLI	CLASS <sup>1</sup>	TYPE - MFG. <sup>6</sup>	FEA- TURES <sup>2</sup>	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
NY	Fulton	FLTNNYXA02T	4	1EAX-1	C		12/75	
	Holcomb	HLCMNYXA01T	4	ESC1-15			1/80	
	Hopewell Jct.	HPJTNYXA01T	4	NEAX61-9			12/80	
	Middleburgh	MDLBNYXA01T	4	ESC1-15	C,T		12/74	
	Monroe	MONRNYXA02T	4	1EAX-1	C		3/76	
	Warwick	WRWKNYXA02T	4	ESC1-15	C,T		12/75	
PA	Bangor	BNGRPAXB19T	4	ITS-17	C		9/78	
	Conyngham-Drums	CNYNPAXC01T	4	ITS-17	C		4/79	
	Elizabethville	EZVLPAXE71T	4	ITS-17	C		11/79	
	Erie (GTE)	ERIEPAXH41T	3TO	ETS4-10	C		1/76	1982
	Factoryville	FCTVPAXF01T	4	ITS-17	C		7/78	
	Forest City	FRCYPAXF71T	4	DSS1-10	C		5/80	
	Gibsonia	GIBSPAXG89T	4	1EAX-1	C		3/77	
	Meadville	MDVLPAXM81T	4	DMS1/200-12	C		10/80	
	Mehoopany	MHPNANXM01T	4	ITS-17	C		5/78	
	Quarryville	QRVLPAXQ01T	4	ITS-17	C		10/78	
	Ridgway	RGWYPAXR89T	4	1EAX-1	C		6/78	
	Shamokin Dam	SHDMPAXS01T	4A	DMS10-12	C		8/80	
	Shickshinny	SHCKPAXS01T	4	ITS-17	C		5/79	
	York	YORKPAXP49T	4TO	ETS4-10	C		6/78	
Wellsboro	WLBOPAXW71T	4	ITS-17	C		3/80		
C&P	Chase City, VA	CSCYVAXA02T	4	ITS4-4	C		5/78	
	Dale City, VA	DLCYVAXA02T	4	DMS1/200-12	C,T		10/80	
	Franklin, VA	FRLNVAXA02T	4	DMS1/200-12	C		10/80	
	Harrisonburg, VA	HRBGVAXA02T	4	1EAX-1	C		3/78	1981
	Manassas, VA	MNSSVAXA02T	4	1EAX-1	C		1/77	
	Martinville, VA	MTVIVAXA02T	4	2EAX-1	C		11/80	
	Warsaw, VA	WRSWVAXA02T	4TO	DMS200-12	C		4/79	
	Waynesboro, VA	WYBOVAXA02T	4	1EAX-1	C		9/77	
	Bluefield, WV (GTE)	BLFDWVXA12T	4	3EAX-1	C		7/79	
SO	Fort Myers 2, FL (limited)	FTMYFLXA03T	4	ETS4-10	C,T		9/78	
	Winter Park, FL (GTE)	WNPKFLXE03T	4	NEAX61-9			1/80	
	West Point, GA	WSPNGAXA02T	4	ESC1-15	C		6/77	
	Concord, NC	CNCRNCXA02T	4	1EAX-1	C		10/75	1981
	Durham 3, NC (GTE)	DRHMNCXM03T	4	1EAX-1			10/76	1981
	High Point, NC	HGPNNCXA02T	4	1EAX-1	C		3/78	
	Marshville, NC	MHVLNCXA02T	4	ITS4/5-17	C,T		3/78	
	Sanford, NC	SNFRNCXA02T	4	DMS200-12	C		12/79	
	Rock Hill, SC	RCHLSCXB01T	4	1EAX-1	C,T		7/75	
SOCN	Dothan 2, AL (GTE)	DTHNALXA02T	4	1EAX-1			6/76	
	Ashland, KY (GTE)	ASLDKYXA02T	4	1EAX-1			8/77	
	Lexington, KY	LXTNKYXA06T	3	ETS4-10			6/75	1983
	London, KY	LONDKYXA06T	4	ESC1-15			/77	
	Larose, LA (Labouche)	LARSLAXA01T	4	ITT4/5-17	C,T		/72	1992
	Welsh, LA (Cantony)	WLSHLAXA01T	4	ITT4/5-17	C,T		/75	1995
Johnson City 2, TN (limited)	JHCYTNXC41T	4	ETS4-10			4/79		

Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1980								
CO	LOCATION	CLLI	CLASS <sup>1</sup>	TYPE - MFG. <sup>6</sup>	FEA- TURES <sup>2</sup>	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
OHIO	Delaware	DLWROHXA50T	4	1EAX-1			2/79	
	Lima <i>(united)</i>	LIMAOHXA51T	4	ETS4-10	C,T		10/78	
	Lorain	LORNOHXE01T	4	1EAX-1			6/77	
	Marion	MARNOHXC50T	4	3EAX-1	C		6/75	
	Medina	MEDNOHXB01T	4	1EAX-1	C,T		8/78	
	Orwell	ORWLOHXA01T	4A	ESC-15			5/74	
	Troy	TROYOHXA50T	4	1EAX-1	C		10/78	
MICH	Adrian	ADRNMXG17T	4	1EAX-1	C		12/75	1984
	Alma	ALMAMIXG12T	4	ETS4-10	C		10/77	
	Muskegon	MSKGMIXK12T	4	ETS4-10			10/79	
IND	Elkhart	EKHTINXA02T	4	1EAX-1	C		7/79	
	Fort Wayne	FTWYINXA03T	4TO	3EAX-1	C,T		1/80	
	La Porte	LAPTINXC02T	4	1EAX-1	C		5/78	
	Logansport	LGPTINXA05T	4	1EAX-1	C		11/77	
	Portage	PRTGINXA03T	4TO	3EAX-1	C		4/79	
	Princeton	PRTNINXA05T	4	1EAX-1	C		1/76	
	Richmond <i>(GTE)</i>	RCMDINXB03T	4TO	3EAX-1	C		8/78	
	Terre Haute <i>(GTE)</i>	TRRHINXA03T	4TO	3EAX-1	C,T		8/80	
WISC	Boscobel	BOSCWIXA31T	4	DCO100-15	C		8/80	
	Frederic	FRDRWIXA31T	4	ESC-15	C		5/80	
	Mauston	MSTNWIXA31T	4	ITS4/5-17	C		3/80	
	Middleton	MDTNWIXA71T	4A	ESC1-15	C		/75	
	North Prairie	NPRRWIXA71T	4TO	ESC1-15			8/74	1982
	Platteville	PTVLWIXA31T	4	2EAX-1	C		4/80	
	Rice Lake	RCLKWIXB31T	4TO	3EAX-1	C		2/78	
	Rinelander	RHNLWIXA31T	4	METACONTA L-8	C		11/78	
	Wausau	WAUSWIXA31T	3TO	3EAX-1	C,RTA,TO		12/79	
ILL	Carbondale	CRDLILXE50T	4	1EAX-1			8/77	
	DeKalb	DKLBILXA50T	4	DMS200-12			6/80	
	Marion	MARNILXE50T	3	3EAX-1			6/79	
	Olney <i>(GTE)</i>	OLNYILXE06T	3	SXS				1981
	Pekin	PEKNILXD50T	4	METACONTA L-8	C		1/79	
NW	Grinnell, IA	GRNLIAXC02T	4	DMS1/200-12	C,T		10/80	
	Knoxville, IA	KNVLIAXC09T	4	ITS4-17			4/79	
	Mount Ayr, IA	MTAYIAXC09T	4	ITS4-17	C		8/78	
	Mount Pleasant, IA	MNPLIAXC02T	4	ITS4/5-17	C		5/78	
	Aurora, MN	AURRMNXA02T	4	ITS4-17	C		/76	
	International Falls, MN	INFLMNXI02T	4	ITS4-17	C		/79	
	Mankato, MN	MNKTMNXM06T	4	3EAX-1	C,T		12/79	
	New Ulm, MN	NWULMNXN02T	4	DSS2-5	C		5/80	
	Devils Lake, ND	DVLKNDXA01T	4	IMA2-17	C		/77	
	Lincoln, NE <i>(LT+T)</i>	LNCLNEXL12T	3	3EAX-1	C		12/78	
	Nebraska City, NE	NBCYNEXL02T	3	SXS-1	C			

Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1980								
CO	LOCATION	CLLI	CLASS <sup>1</sup>	TYPE - MFG. <sup>6</sup>	FEA-TURES <sup>2</sup>	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
SW	Glenwood, AR	GLWDARXA08T	4	DMS1/200-12			4/79	
	Marked Tree, AR	MRTRARXA07T	4	DSS1-10	C		4/80	
	Russellville, AR	RLVLARXA08T	4	DMS1/200-12	C		12/80	
	Holton, KS	HLTNKSXA01T	4TO	ITS4-17	C		11/78	
	Russell, KS	RSSLKSXA05T	4	DSS1-10	C		4/80	
	Columbia, MO (GTE)	CLMAMOXAO9T	4	1EAX-1	C		7/78	1982
	Oak Grove, MO	OKGVMOXA09T	4	ITS4/5-17			2/79	
	Poteau, OK	POTEOKXA01T	4	DSS1-10	C		4/80	
	Sulphur, OK	SLPHOKXA01T	4	DCO-15	C		3/80	
	Andrews, TX	ANDRTXXA01T	4	ITS4/5-17	C,T		9/78	
	Bryan, TX	BRYNTXXA01T	4	1EAX-1	C,T		4/75	1983
	Conroe, TX	CONRTXXA01T	4A	DMS1/200-12			5/80	
	Decatur, TX	DCTRXXA03T	4	DMS1/200-12			1/80	
	Denton, TX	DNTNTXXA03T	4	1EAX-1	C		5/76	1984
	Dumas, TX	DUMSTXXA01T	4	ITS4/5-17	C,T		1/80	
	Groesbeck, TX	GRSBTXXA01T	4	DSS1-10	C,T		5/80	
	Killeen, TX	KLLNTXXA01T	4	DMS200-12	C,T		12/79	
	Newton, TX	NWTNTXXA01T	4	ESC-15	C			
	Pecos, TX	PECSTXXA01T	4	ITS4-17			4/79	
	Winnie, TX	WNNETXXA01T	4	NEAX61-9			8/80	
PNB	Coeur D'Alene, ID (GTE)	CRALIDXX02T	4	3EAX-1			4/80	
	Beaverton, OR	BVTNORXB02T	4	3EAX-1			4/79	
	Canby-Needy, OR	CNBORXA01T	4	DCO200-15			8/79	
	Lebanon, OR	LBNORXB01T	4	DMS1/200-12			11/79	
	Merrill, OR	MRRLORXA01T	4	DMS10-12			11/80	
	Redmond, OR	RMDORXA02T	4	DMS10-12			12/80	
	Sheridan, OR	SHRDORXA02T	4	DSS1-10			12/80	
	Eatonville, WA	ETVLWAXA02T	4A	DCO-15			11/80	
	Everett 2, WA (GTE)	EVRTWAXA02T	3	3EAX-1			3/79	
	Ferndale, WA	FNDLWAXA02T	4	DCO-15			11/80	
	Forks, WA	FRKSWAXA01T	4A	DCO-15			11/80	
	Kennewick, WA	KNWCWAXA02T	4	3EAX-1			6/80	
	Mount Vernon, WA	MTVRWAXX02T	4	ESC-15				
	Yelm, WA	YELMWAXA02T	4	DMS1/200-12			11/80	
PAC	Big Bear Lake	BBLKCAF68T	4	ITS4-17			7/79	
	Crescent City	CRCYCAXF02T	4	ITS4-17			12/78	
	Exeter	EXTRCAXF59T	4	N23			12/80	
	Gilroy	GLRYCAXF84T	4	1EAX-1			6/79	
	Long Beach (GTE)	LNBHCAXP40T	4	ETS4-10			5/75	1985
	Los Gatos	LSGTCAXF54T	4	1EAX-1			5/76	
	Manteca	MNTCCAXG12T	4	NEAX61-9			11/80	
	Ontario	ONTRCAXP91T	3TO	ETS4-10			11/78	1981
	Redlands	RDLDCAXF74T	4	1EAX-1	C		1/76	
	Roseville	RSVLCAXF01T	4	DSS1-10			8/80	
	San Miguel	SNMGCAXF03T	4A	ND205-9			10/77	
Santa Monica	SNMNCAXP41T	4	ETS4-10			6/77	1983	
Victorville	VTVLCAXA98T	4	NEAX61-9			12/80		

Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1980								
CO	LOCATION	CLLI	CLASS <sup>1</sup>	TYPE - MFG. <sup>6</sup>	FEA-TURES <sup>2</sup>	SERVICE DATE		RETIRE-MENT DATE
						OFFICE	CCIS	
ALKS	Anchorage 2	ANCRAKZA02T	3	SP1-1			10/75	
TCTS	Calgary 2, AB	CLGRAB2102T	2	SP1-11	C		6/76	1981
	Medicine Hat, AB	MDHTAB0203T	4	1EAX-2	C		12/76	1990
C 45	Abbotsford 2, BC	ABFDBC0102T	4	1EAX-2	C		1/79	1982
	Kamloops 2, BC	KMLPBC0102T	4	1EAX-2	C		6/78	1985
	Kelowna 2, BC	KLWNBC0202T	4	1EAX-2	C,T		8/78	1981
	Nanaimo 1, BC	NNIMBC0101T	3	SXS-2				1983
	New Westminster 2, BC	NWMRBC0102T	4	3EAX-2	C,T		9/80	
	Vancouver 1, BC	VANCB00101T	3	SXS	C		/59	1982
	Victoria 2, BC	VCTABC0102T	4	1EAX-2	C		2/79	1983
	Brandon 2, MB	BRNDMB0202T	3	SP1-11	C,T		6/75	
	Newcastle 1, NB	NWCSNBSC01T	3	5XB-11	C		/59	
	St. John 2, NB	STJHNB SU02T	2	SP1-11	C,T		4/79	1988
C 45	Corner Brook 2, NF	CRBKNF0202T	2	SP1-11	C,T			1984
	St. John's 2, NF	STJHNF0102T	3	SP1-11	C,T		12/76	1982
	Gander 3, NF	GNDRNFXA03T	3	ITS-17	C,T		6/80	
all Bell	Hamilton 2, ON	HMTNON1402T	3	SP1-11	C,T		6/77	1984
	Kitchener 2, ON	KTNRON0602T	3	DMS200-11	C,T		3/80	
	London 2, ON	LONDON1402T	3	SP1-11	C		4/77	
	North Bay 1, ON	NRBAON2401T	3	5XB-11	C		/59	1990
	Ottawa 3, ON	OTWAON2303T	4	DMS200-11	C		2/79	
	Toronto 7, ON	<del>KCTNON0107T</del> FORO	4	DMS200-11	C		6/80	
Bell	Chicoutimi 1, PQ	CCTMPQ0301T	3	5XB-11	C		/59	1984
	Montreal 3, PQ	MTRLPQ5803T	3	SP1-11	C,T		4/76	
	Montreal 6, PQ	MTRLPQ0106T	2	DMS200-11	C		2/79	
	Quebec 2, PQ	QUBCPQ1402T	2	SP1-11	T		4/77	1981
	Rimouski 2, PQ	RMKIPQXA02T	3	SP1-11	C,T			
GTE	Val D'Or 1, PQ	VLDRPQXA01T	3	5XB-11	C			
	Prince Albert, SK	PRNASK0102T	4	1EAX-2	C			1984
Telbec	Regina 2, SK	REGNSK0602T	1	SP1-11	C,T		7/76	
	Saskatoon 3, SK	SKTNSK0103T	3	SP1-11	C,T		3/77	1983
	Yorkton 2, SK	YKTNSK0102T	4	1EAX-2	C		12/77	1983
	Whitehorse 1, YT	WHTHYTXA01T	4	ITS-17	C,T			

### Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1980								
CO	LOCATION	CLLI	CLASS <sup>1</sup>	TYPE - MFG. <sup>6</sup>	FEA-TURES <sup>2</sup>	SERVICE DATE		RETIRE-MENT DATE
						OFFICE	CCIS	
CARIB	St. Johns, AN <i>C+W</i>	STJHANXX01T	3	ARM-18				
	Eight Mile Rock, BA <i>Cont'd</i>	EMRKBAXX01T	3	5XB				
	Nassau, BA <i>-C+W/Battelco</i>	NASSBAXX01T	3	5XB				
	Hamilton, BM <i>-C+W/Battelco</i>	HMTNBM0001T	3	Metaconta				
	<i>ITT/</i> Santa Domingo, DR <i>-C+W/Cont'd</i>	SNDMDRXX01T	3	SXS				
	Kingston 2, JM <i>-Cont'd/C+W</i>	KGTNJMXB01T	3	ARM-18				
	Caguas, PR <i>&gt; PR/ITT</i>	CGUSPRXB01T	4	DIG				
	San Juan, PR <i>&gt; PR/ITT</i>	SNJNPRXA01T	3	5XB				
	Port of Spain, TR <i>-Cont'd/C+W</i>	PTSPTRZA01T	3	ARM			12/80	
	Charlotte Amalie, VI <i>/ITT</i>	CHAMVIXX01T	3	SXS				
	Ponce, PR <i>&gt; PR/ITT</i>	PONCPRXX01T	4				11/80	
MEX	Mexico City <i>(Telemex)</i>	MXCYMXSJ02T	2	AKE-18				

Chart 10

NEW BELL SYSTEM TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type - Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks
NE	Augusta, ME	AGSTMEST02T	1A -4	3/81	C	
	Presque Isle, ME	PRISMESE02T	1A -4	6/81	C	
	Manchester, NH	MNCHNHCO03T	4E -3	4/82	C	
	Lewiston, ME	LSTNMEAS04T	1A -4	5/82	C,RTA	
	Pittsfield, MA	PTFDMA	1A -4	4Q/82	T	
	Brockton, MA	BRTNMACO03T	4E -3	4/83	C,T	
	Waterville, ME	WTVLMEAP02T	5E -4A	5/83		
	Bangor, ME	BNGRMEPA03T	1A -4	10/83	C,RTA	
	Framingham, MA	FRMNMAWA04T	4E -3	4/84	C	
	Providence, RI	PRVDRIWA05T	4E -3	5/85		
	St. Johnsbury, VT	STBYVTSM02T	5E -4	2Q/85	C	
	Portland, ME	PTLDME	DIG-3	/86		
	NY	New York 5450	NYCMNY5450T	4E -3	1/81	C,T,I
Utica		UTICNYUT05T	1A -4	6/81	C	4 wire hi-lo
Albany 3		ALBYNYSS05T	4E -2	2/82	C,T	
New York 38		NYCMNY3706T	4E -4A	3/83		
Binghamton		BNGHNYHY06T	1A -3	5/83	C	4 wire hi-lo
Buffalo		BFLONYFR05T	4E -3	3/84	C,T	
Plattsburgh		PLBGNYPB	5E -4	/84		
Syracuse		SYRCNYSU13T	4E -3	3/85	C,T	
New York		NYCMNYBW51T	4E -4	/86		
NJ	Rochelle Park 3	RCPKNJO203T	4E -3	8/82	T	
	New Brunswick	NBWKJNBMSA	SPC-1A	1/84		NCP/STP
	Rochelle Park	RCPKNJO2MSA	SPC-1A	1/84		NCP/STP
	Cedar Knolls 2	CDKNNJCK02T	4E -3	6/85	T	
PA	Altoona	ALNAPAAL81T	1A -3	4/82	C,T	Add to local
	Bradford	BRFRPABR81T	5E -4	12/82	C	
	Williamsport	WLPTPA	5E -4	/84	C,RTA	
	Warren	WRRNPAWA	5E -3	/86	C	
C&P	Winchester, VA	WNCHVAWC02T	1A -4	1/81	C	
	Norfolk 4, VA	NRFLVABS03T	4E -3	4/81	C,T	
	Annapolis, MD	ANNPMDANO7T	1A -4	12/81	C	Add to local
	Wheeling, WV	WLNQWVCP26T	1A -4	12/81	C	
	Charleston 2, WV	CHTNWVLE25T	4E -2	2/82	C,T	
	Arlington 3, VA	ARTNVACK04T	4E -3	4/82	T	
	Staunton, VA	STTNVAST02T	1A -4	1/83	C	
	Leesburg, VA	LSBGVALB02T	5E -4	3/83	C	
	Danville, VA	DAVLVADA02T	1A -4	5/83	C,RTA	
	Hagerstown, MD	HGTWMDHGO3T	5E -4	10/84	C	
	Martinsburg, WV	MRGBWVBU22T	5E -4	11/84	C	
	Onancock, VA	ONNCVAONO2T	5E -4	11/85	C	
SO	Daytona Beach, FL	DYBHFLMA04T	1ESP-4	1/81	C,T	4 wire hi-lo
	Greensboro 3, NC	GNBONCEU03T	4E -2	3/81	C,T	
	Ojus, FL	OJUSFLTMSA	SPC-1A	5/81		Area STP
	Orlando, FL	ORLDFLMAMSA	SPC-1A	5/81		Area STP
	W. Palm Beach 4, FL	WPBHFLANO4T	4E -4	8/81	T	
	Columbia 2, SC	CLMASCTLO3T	4E -2	11/81	C,T	
	Atlanta 5, GA	ATLNGANWO3T	4E -4	3/82	T	
	Waycross, GA	WYCRGAMA02T	1ESP-4	5/82	C	

new 05T

### Chart 10

NEW BELL SYSTEM TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type - Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks
SO	Charlotte, NC	CHRLNCCAMSA	SPC-1A	1/83		NCP/STP
	Greenville, SC	GNVLSCTL02T	4E -3	4/83	C,T	
	Florence, SC	FLRNSCMA02T	DIG-3	12/83	T	
	Columbus, GA	CLMBCAMT43T	DIC-4	4/84	C,T	
	Macon, GA	MACNGAGA02T	DIG-2	4/84	C,T	
	Gainesville, FL	GSVFLANO4T	DIG-3*	9/84	C,RTA	
	Pensacola, FL	PNSCFLBL04T	DIG-4	9/85	C,T	
	Laurinburg, NC	LRBGNCMA03T	5E -4	10/85		
	Lenoir, NC	LENRNCHA02T	5E -4	12/85		
	Brunswick, GA	BRWKGAMA02T	5E -4	4/86		
	Millen, GA	MLLNGAMA02T	5E -4	4/86		
	SOCN	Memphis, TN	MMPHTNMA43T	4E -3	2/81	
Birmingham, AL		BRHMALMT01T	4E -2	4/81	C,T	
Tupelo, MS		TUPLMSMA06T	1A -4	3/82		
New Orleans, LA		NWORLAMAMSA	SPC-1A	1/83		
Jackson, MS		JCSNMSPS05T	4E -2	4/83	C,T	
Baton Rouge, LA		BTRGLAMA04T	4E -4	1/84	T	
Greenwood, MS		GNWDM SMA06T	1A -3	4/84		
Bowling Green, KY		BWLGKYMA01T	1A -4	5/84	RTA	
Shreveport, LA		SHPTLATL04T	4E -3	3/85	T	
OH	Cleveland	CLEVOH02MSA	SPC-1A	3/82		NCP/STP
	Barnesville	BRVIOH4251T	5E -4	7/83	C	
	New Lexington	NWLXOH3451T	5E -4	9/83	C	
	Toledo	TOLDOH2103T	4E -3	4/84	C,T	
	Akron	AKRNOH2503T	4E -3	4/84	C,T	
	Hillsboro	HLBOOH3951T	5E -4	6/84	C	
	Zanesville	ZNVLOH4550T	5E -4	12/84	C	
	Dayton	DYTHOH1503T	4E -3	4/85	C,T	
	Fremont	FRMTOH3351T	5E -4	5/85	C	
	Marietta	MRTTOH3751T	5E -4	7/85	C	
	Lancaster	LNC SOH65	5E -4	1/86	C	
MICH	Detroit 3	DTRTMIBH50T	4E -2	4/81	T	
	Iron Mountain	IRMTMIMN20T	1ESP-4	/82	C	
	Pontiac 3	PNTCMIMN50T	4E -3	4/83	C,T	
	Escanaba	ESCNMIMN09T	1ESP-3	8/83	T	
	Grand Rapids 3	GDRPMIBL50T	4E -2	4/84	C,T	
	Traverse City	TRCYMIMN20T	1ESP-4	2Q/84	C	
	Marquette	MRQTMIMN20T	1ESP-4	8/84	C	
Jackson	JCSNMIMN20T	1A -4	/84	C		
IND	Kokomo	KOKMIN0103T	5E -4	/83	C,RTA	
	Shelbyville	SHVLIN0102T	5E -4	/83	C	
	Attica	ATTCIN01	5E -4	/84		
	Clinton	CLTNIN01	5E -4	/84		
	South Bend	SBNDINB-50T	DIG-2	/84	C,T	
Frankfurt	FRFTIN01	5E -4	/85			
WISC	Hudson	HDSNWIO181T	1ECC-4	10/82		
	Madison 4	MDSNWIO231T	4E -3	3/84	C,T	
	Superior	SPRRWIO161T	5E -4	5/84		
	Ashland	ASLDWIO161T	5E -4	7/85		

Chart 10

NEW BELL SYSTEM TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type - Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks
ILL	Oak Brook 2	OKBRILOA52T	4E -4	3/81	T	
	Quincy	QNCYILQY50T	1A -4	9/81	C,RTA	
	Chicago	CHCGILCLMSA	SPC-1A	10/81		Area STP
	Oak Brook	OKBRILOAMSA	SPC-1A	10/81		Area STP
	Northbrook 3	NBRKILNT52T	4E -4	4/82	T	
	Peoria	PEORILPJ51T	4E -2	2/83	C,T	
	Rock Island	RCISILRI50T	1A -4	9/83	C,RTA	Add to local
NW	Iowa City, IA	IWCYIATC07T	1A -4	1/81	C	
	Mason City, IA	MSCYIATC07T	1A -3	4/81	C	4 wire hi-lo
	Aberdeen, SD	ABRSDCO04T	1A -4	5/81	C,RTA	4 wire hi-lo
	Des Moines 2, IA	DESMIADT08T	4E -2	6/81	C,T	
	Norfolk, NE	NRFLENW06T	1A -4	7/81	C,RTA	4 wire hi-lo
	Williston, ND	WLSTNDBC06T	1A -4	8/81	C,RTA	
	Waterloo, IA	WTRLIADT17T	1A -4	11/81	C	4 wire add to local
	Sioux City, IA	SXCYIADT17T	1A -3	10/82	C	4 wire add to local
	Bismarck, ND	BSMRNDBC07T	1A -3*	12/82	C,RTA	4 wire hi-lo
	Marshall, MN	MRSHMNMA06T	1ECC-4	12/82		
	Dubuque, IA	DUBQIATC05T	1A -4	6/83	C	
	Fergus Falls, MN	FRFLMNFF06T	5E -4	6/83		
	Ottumwa, IA	OTMIATC07T	5E -4	10/83	C	
	Burlington, IA	BURLIATC07T	5E -4	8/84	C	
	Detroit Lakes, MN	DTLKMNDL06T	1E -4	3Q/84		
	Sheldon, IA	SHLNIATC01T	5E -4	11/84	C	
	Austin, MN	AUSTMNAU06T	1ECC-4	4Q/84		
	Algona, IA	ALGNIATC07T	5E -4	8/85	C	
Oelwein, IA	OLWNIATC07T	5E -4	10/85	C		
Ames, IA	AMESIATC05T	5E -4	8/86	C		
Spencer, IA	SPNCIATC05T	5E -4	11/86	C		
SW	Garden City, KS	GRCYKS0701T	1ECC-4	2/81	C	4 wire hi-lo
	Little Rock 2, AR	LTRKARFR15T	4E -3	2/81	C,T	
	Wichita 2, KS	WCHTKSBR24T	4E -3	4/81	C,T	
	Waco 2, TX	WACOTX0103T	1A -4	7/81	C,RTA	4 wire hi-lo
	Springfield, MO	SPFDMOTL04T	4E -4	4/82	C,T	
	Abilene, TX	ABLNTXOR03T	1A -3	2/83	C,RTA	4 wire hi-lo
	Sikeston, MO	SKSTMOGR	1A -4	5/83	C	4 wire hi-lo
	Dallas 4, TX	DLLSTXTL44T	4E -4	9/83	C,T	
	Enid, OK	ENIDOKMA01T	5E -4	2/84	C,RTA	
	Longview, TX	LGVWXTL24T	4E -3	3/84	C,T	
	Amarillo 2, TX	AMRLTX0201T	1A -3	4/84	C,RTA	1A add to local 1E
	Houston 5, TX	HSTNTX0154T	4E -3	4/84	C,T	
	Lubbock 2, TX	LBCKTXPS03T	4E -2	4/84	C,RTA	
	Durant, OK	DRNTOKMA01T	5E -4	5/84	C,RTA	
	Moberly, MO	MBRLMOAM01T	5E -3	9/84	C,RTA	
	Midland 2, TX	MIDLTXMU02T	4E -2	4/85	C,T	
	Ardmore, OK	ARMROKMA01T	5E -4	6/85	C,RTA	
	Chillicothe, MO	CHLCMOMI01T	5E -4	9/85	C,RTA	
	Eldon, MO	ELDNMOEX	5E -4	10/85	C	
	Mexico, MO	MEXCMOJU	5E -4	11/85	C,RTA	
	Clinton, OK	CLTNOKMA01T	5E -4	12/85	C,RTA	
	Austin 2, TX	AUSTTXGR02T	4E -4	4/86	C,T	
Flat River, MO	FLRVMOCE01T	5E -4	9/86	C		

Chart 10

NEW BELL SYSTEM TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type - Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks
MTN	Denver, CO	DNVRCOZJMSA	SPC-1A	9/81		NCP/STP
	Phoenix, AZ	PHNXAZSMAMA	SPC-1A	9/81		NCP/STP
	Colorado Springs, CO	CLSPCOMA02T	4E -4	10/81	C,T	
	Salt Lake City 2, UT	SLKCUTMA02T	4E -2	4/82	C,T	
	El Paso, TX	ELPSTXMA02T	1A -4	6/83	C	4 wire hi-lo
	Boise, ID	BOISIDMA03T	4E -3	6/85	C	
	Tucson 3, AZ	TCSNAZMA03T	4E -4	9/85	T	
PNB	Spokane 2, WA	SPKNWA0102T	4E -3	10/82	C,T	
	Yakima, WA	YAKMWA0202T	4E -3	2/85	C,T	
	Eugene 3, OR	EUGNOR5302T	4E -3	3/85	C,RTA	
PAC	Anaheim 3	ANHMCA0211T	4E -2	3/81	C,T	
	Salinas	SLNSCA0114T	1A -3	3/81	C,RTA	4 wire hi-lo
	Bakersfield	BKFDCA0140T	1A -3*	4/81	C,RTA	4 wire hi-lo
	Modesto	MDSTCA0243T	1A -3	5/81	C,RTA	4 wire hi-lo
	Oakland 6	OKLDCA0344T	4E -2	8/81	C,T	
	San Luis Obispo	SNLOCA0106T	1A -3	11/81	C,RTA	4 wire hi-lo
	San Jose 3	SNJSCA0241T	4E -2	3/82	C	
	Gardena 3	GRDNCA0386T	4E -4	4/82	T	
	Reno, NV	RENONV0344T	4E -2	5/82	C,T	
	Sherman Oaks 5	SHOKCA0589T	4E -3	8/82	C,T	
	Newhall	NHLLCA0182T	1A -4	9/82	C	
	Winnemucca, NV	WNMCNV0162T	1ECC-4	12/82	C	
	Chico	CHICCA0188T	DMS200-3	1/83	C,RTA	
	Redding	RDNGCA0225T	DMS200-3*	1/83	C,RTA	
	Los Angeles 5	LSANCA0292T	4E -4	2/83		
	Stockton 3	SKTNCA0104T	4E -2	1/84	C,RTA	
	Anaheim 4	ANHMCA0295T	4E -4	3/84		
Santa Rosa 3	SNRSCA0202T	4E -2	4/84	C,T		
Fresno	FRSNCA0245T	4E -3	4/85	C,T		
Gardena 4	GRDNCA03	4E -4	5/85			
Eureka	EURKCA0141T	1A -3	6/85	C,RTA	4 wire hi-lo	
San Francisco 4	SNFCCA	4E -3	7/85			
SNE	New Haven 5	NWHNCT0205T	4E -2	10/81	T	
	Danielson	DNSNCT0002T	5E -4	10/83		
	Hartford 4	HRFRCT0306T	4E -3	8/84	C,T	
CINN	Cincinnati	CNCNOHWSMSA	SPC-1A	3/82		NCP/STP

### Chart 10A

#### NEW NON-BELL TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type- Class <sup>1</sup>	Service Date	Fea- tures <sup>2</sup>	Remarks
NY	Norwich	NRWCNYXA03T	DMS1/200-4	1/81		
	Rochester	ROCHNYXA05T	4E-3	3/82		
	Fredonia	FRDNXYXA1GT	DMS100-4	8/82		
	Johnstown	JHTWNYXA	DMS100-4	10/83		
	Au Sable Forks	ASFKNYXA	DIG-4	12/83		
NJ	Newton	NWTNNJXU01T	DMS100-4	/84		
PA	Oil City	OLCYPAXO81T	DMS1/200-4	7/81		Class 5 1983
	Birdsboro	BRDSPAXB	DMS1/200-4	8/81	C	
	Montrose	MTRSPAXM81T	ITS-17	8/82		
	Waynesburg	WYBGPAXW71T	DMS1/200-4	10/82	C	
	Dallas	DLLSPAXD71T	NEAX61-4	11/82		
	Erie (GTE)	ERIEPAXH71T	3EAX-3	12/82		
	Chambersburg	CHBGPAXC71T	DMS1/200-4	3/83		
	Johnstown	JHTWPAXJ81T	5EAX-4	4/83		
	Butler	BTLRPAXB71T	DMS1/200-4	7/83	C, RTA	
	New Smithville	NWSMPAX	ITS4/5-4	/83		
	Bedford	BDFRPAXB11T	DMS1/200-4	2/85		
	Vandergrift	VNDGPAXM11T	DIG-4	/85		
C&P	Charlottesville, VA	CHVLVAXA02T	DMS1/200-4	1/81	C	
	Harrisonburg, VA	HRBGVAXA03T	DMS1/200-4	8/81	C	
	Rocky Mount, VA	RCMTVAXA02T	DMS1/200-4	8/81	C	
	Smithfield, VA	SMFDVAXA02T	DMS1/200-4	6/82	C	
	Edinburg, VA	EDBGVAXA03T	5EAX-4	4/83	C	
	Wytheville, VA	WYVLVAXA02T	DIG-4	7/83	C	
	Lexington, VA	LXTNVAXA02T	DMS1/200-4	10/83	C	
	Covington, VA	CVTNVAXA02T	DIG-4	/85	C	
	SO	Elkin, NC	ELKNNCXA03T	DMS1/200-4	2/81	
Sylva, NC		SYLVNCXA02T	DMS1/200-4	2/81		
Wilson, NC		WLSNNCXAC1T	DSS1-4X	2/81		
Hickory, NC		HCKRNCXA02T	DMS1/200-4	5/81		
Hinesville, GA		HNVLGAXA02T	DMS1/200-4	5/81		
Morehead City, NC		MRCYNCXBC1T	DSS1-4X	5/81		
Durham, NC (GTE)		DRHMNCXT02T	3EAX-4	6/81		
Tampa 4, FL (GTE)		TAMPFLXA04T	4E-3	6/81		
Crestview, FL		CRVWFLXA02T	DMS1/200-4	9/81		
Ft. Walton Beach, FL		FTWBFLXA02T	DMS1/200-4	11/81		
Winder, GA		WNRGAXA02T	DMS1/200-4	11/81		
Tallahassee, FL (C&P)		TLHSFLXA02T	DMS1/200-4	12/81		
Washington, NC		WASHNCXAC1T	DSS1-4X	1/82		
Rocky Mount, NC (Wint)		RCMTNCXA03T	4E-3	6/82		
Whiteville, NC		WHVLNCXA02T	DSS1-4	6/82		
Asheboro, NC		ASBONCXA02T	DMS200-4	5/83		
Dalton, GA		DLTNBAXC02T	5EAX-4	/83		
Sarasota, FL (GTE)		SRSTFLXF03T	3EAX-4	9/84		
Fitzgerald, GA		FTZGGAXA02T	5EAX-4	/84		
Moultrie, GA		MLTRGAXA02T	5EAX-4	/84		
Toccoa, GA		TOCCGAXA02T	5EAX-4	/84		
Milledgeville, GA		GDVLGAXA02T	5EAX-4	/85		

### Chart 10A

#### NEW NON-BELL TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type- Class <sup>1</sup>	Service Date	Fea- tures <sup>2</sup>	Remarks
SOCN	Foley, AL <i>(Gulf Tel)</i>	FOLYALXA01T	DMS1/200-4	6/81		
	Glasgow, KY	GLSGKYXA02T	2EAX-4	9/81		
	Cookeville, TN	CKVLTNXA71T	DMS1/200-4	12/81		
	Morehead, KY	MRHDKYXA02T	GTO-4	10/82		
	Elizabethtown, KY	EZTWKYXA02T	1EAX-4	11/82		
	Lexington, KY	LXTNKYXA07T	3EAX-3	1/83		
	Campbellsville, KY	CMVLKYXA02T	2EAX-4	9/84		
OHIO	Wooster	WSTRHX01T	DMS1/200-4	5/81		
	Warren	WRRNOHXA51T	DMS1/200-4	8/81		
	Urbana	URBNOHXA51T	DMS1/200-4	9/81		
	Leipsic	LPSCOHXA50T	DMS10-4	11/81		
	Stony Ridge	STRGOHXA51T	DSS1-4	11/81		
	Mount Vernon	MTVROHXA51T	DMS1/200-4	5/82		
	Newark	NWRKOHXA51T	DMS1/200-4	6/82		
	Bellfontaine	BLLFOHXA52T	DMS1/200-4	4Q/82	T	
	Norwalk	NRWLOHXA51T	GTD-4	2/83		
	Oberlin	OBRLOHXA01T	GTD-4	3/83		
	Napoleon	NPLNOHXA51T	DMS1/200-4	1Q/83		
	Bowling Green	BWLG0HXA51T	GTD-4	12/83		
	Mansfield	MNFDOHXA51T	DMS1/200-4	4Q/83	T	
	Celina	CELNOHXB50T	GTD-4	1/84		
	Mount Gilead	MTGLOHXA51T	DIG-4	2Q/84		
Cambridge	CMBROHXA51T	GTD-4	/84			
Portsmouth	PTMOOHXA51T	GTD-4	/84			
Athens	ATHNOHXA51T	GTD-4	/85			
MICH	Three Rivers	THRRMIXT09T	3EAX-4	2/81		
	Alpena	ALPEMIXG	5EAX-4	2/83		
	Alma	ALMAMIXG12T	5EAX-4	3/84		
IND	Seymour	SYMRINXA02T	DMS1/200-4	8/81		
	Lafayette	LFTYINXA03T	5EAX-4	6/82	C, T	
	Jasper	JSPRINXA02T	DMS1/200-4	/83		
	Plymouth	PLMOINXA02T	DIG-4	/83	C, T	
	Warsaw	WRSWINXA02T	DIG-4	/83	C	
	Decatur	DCTRINXA02T	DIG-4	/84	C	
	Lagrange	LGRNINXA02T	DIG-4	/84	C	
	Monticello	MNTIINXA02T	DIG-4	/85	C	
WISC	New Richmond	NWMDWIXA31T	DMS1/200-4	8/81	C	
	Sparta	SPRTWIXA31T	DTM-4	12/81		
	North Prairie	NPRRWIXA61T	DMS1/200-4	6/82		
	La Crosse	LCRSWIXC31T	DSS1-4	10/82	C	
	Dodgeville	DGVLWIXA31T	5EAX-4	1Q/83	C	
	Plymouth	PLMOWIXA31T	5EAX-4	1Q/84	C	
	Marshfield	MRFDWIXA31T	5EAX-4	1Q/85	C	
ILL	Olney	OLNYILXE50T	3EAX-3	4/81		
	Dixon	DIXNILXA50T	DMS1/200-4	6/81		
	Macomb	MCMBILXD50T	DMS1/200-4	8/81		
	Galesburg	GLBGILXD50T	DMS1/200-4	8/82		

### Chart 10A

NEW NON-BELL TOLL OFFICES PLANNED FOR SERVICE 1981-1986							
Co.	Location	CLLI	Type-Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks	
NW	Fort Dodge, IA	FTDDIAXC02T	2EAX-4	1/81			
	Scottsbluff 2, NE	SCTSNE XU12T	DMS1/200-4	6/81	C,T		
	Aurora, NE	AURRNEXM12T	DSS1-4	7/81	C		
	Hebron, NE	HBRNEXL12T	DMS1/200-4	7/81	C,T		
	Fairmont, MN	FAMTMNXF02T	DMS200-4	9/81	C		
	Wahoo, NE	WAHONEXL12T	DMS1/200-4	10/81	C,T		
	Beatrice, NE	BTRCNEXL	GTD5-4	6/82	C,T		
	Hastings, NE	HSNGNEXL	GTD5-4	8/82	C,T		
	Creston, IA	CETNIAXC02T	DMS1/200-4	/82	C,T		
	Neveda, IA	NEVDIAXC		/82	C		
	Osceola, IA	OSCLIAXC		/82	C		
	Chariton, IA	CHRTIAXC	DIG-4	/84	C		
	SW	Maryville, MO	MAVLMOXA09T	DSS2-4	3/81		
		San Marcos, TX	SMRCTXXA01T	DSS1-4	5/81	C,T	
Ulysses, KS		ULYSKSXA01T	DCO-4	5/81	C,T		
Burnet, TX		BURNTXXA01T	DMS1/200-4	6/81	C		
Harrison, AR		HRSNARXA09T	DMS1/200-4	6/81	C,T		
Jefferson City, MO		JFCYMOXA05T	DSS1-4	6/81			
Dickinson, TX		DCSNTXXA01T	DMS200-4	9/81	C,T		
Wentzville, MO		WNVLMOXA01T	DMS1/200-4	10/81			
Athens, TX		ATHNTXXA03T	DSS1-4	12/81	C		
Baytown, TX		BYTNTXXA01T	DMS200-4	3/82			
Harrisonville, MO		HNVLMOXA09T	1210-4	3/82			
Lufkin, TX		LFKNTXXA01T	DMS200-4	3/82	C,T		
Commerce, TX		CMRCTXXA01T	DIG-4	7/82			
Cameron, MO		CMRNM0XA09T	DIG-4	/82			
Columbia, MO		CLMAMOXA01T	GTD5-4	/82	C,T		
Bryan, TX		BRYNTXXA02T	DMS200-4	7/83	C,T		
Rolla, MO		ROLLMOXA01T	DSS1-4	/83			
San Angelo, TX		SANGTXXA01T	5EAX-4	1/84	C,T		
Brownwood, TX		BWWDTXXA01T	5EAX-4	7/84	C,T		
Port Lavaca, TX		PTLVTXXA	5EAX-4	7/84			
Sherman, TX		SHMNTXXA03T	DIG-4	10/84			
Levelland, TX		LVLDTXXA	5EAX-4	11/84			
Warrensburg, MO		WRBGM0XA09T	1210-4	/84			
Littlefield, TX		LTFDTXXA	5EAX-4	1/85			
Denton, TX		DNTNTXXA01T	DIG-4	6/85			
Brownfield, TX		BWFDTXXA	5EAX-4	7/85			
Fordyce, AR		FRDYARXA09T	DIG-4	/85			
Kerrville, TX		KRVLTXXA02T	DSS1-4	5/86	C,T		
Texarkana, TX	TXRRTXXA09T	DIG-4	6/86				
MTN	Moab, UT	MOABUTXC	DMS1/200-4	4/82			
	Delta, UT	DELTUTXC	DMS1-200-4	4/83			

### Chart 10A

#### NEW NON-BELL TOLL OFFICES PLANNED FOR SERVICE 1981-1986

Co.	Location	CLLI	Type-Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks
PNB	Mount Vernon, WA	MTVRWAXA03T	DCO-4	1/81		
	Pilot Rock, OR	PLRKORXX01T	DMS10-4	4/81		
	Hood River, OR	HDRVORXA02T	DMS1/200-4	5/81		
	Forks, WA	FRKSWAXA01T	DCO-4	6/81		
	Lynden, WA	LYNDWAXX02T	DIG-4A	6/81		
	Cheney, WA	CHNYWAXC02T	DMS1/200-4	9/81		
	Gig Harbor, WA	GGHRWAXA02T	DIG-4A	11/81		
	Estacada, OR	ESCDORXX02T	DMS1/200-4	12/81		
	Wenatchee, WA	WNTCWAXX02T	DMS1/200-4	2/82		
	PAC	Ridgecrest	RDGCCAXF39T	NEAX61-4	6/81	
Taft		TAFTCAXF52T	ITS-4	7/81		
Ontario		ONTRCAXP80T	4E -3	8/81		
Tonopah, NV		THPHNVXB	DMS100-4	9/81	C, T	
Pioche, NV		PICHNVXA	NEAX61-4	11/81	C, T	
Las Vegas, NV (Central)		LSVGNVXB41T	DMS1/200-4	1/82	C, T	
Stateline, NV		STLNNVXF	ITS5-4	5/82	C	
Elko, NV		ELKONVXF	DMS1/200-4	9/82	C, T	
Fallon, NV		FLLNNVXA	DIG-4	12/82	C	
Bishop		BSHPCAXG86T	DMS10-4	3/83		
Santa Monica		SNMNCAXP43T	4E -4	8/83		
Santa Maria		SNTMCAXF84T	DIG-4	/84		
Long Beach		LNBNHCAXP45T	4E -4	4/85		
Gardnerville, NV		GRDVNVXA82T	DIG-4	/85		
Oxnard		OXNRCAXF	4E	/85		
ALSK	Anchorage 3 (Alascom)	ANCRAKZA03T	DMS200-3	12/82		
TCTS	Grand Prairie 2, AB	GDPBAB0102T	DMS200-4	3/81	C, T	
	Calgary 4, AB	CLGRAB2104T	3EAX-2	5/81	C	
	Edmonton 4, AB	EDTNAB0204T	DMS1/200-3	6/81	C	
	Camrose 2, AB	CMRSAB0102T	DMS200-4	5/82	C, T	
	Red Deer 3, AB	RDDRAB0103T	DMS200-4	4/84	C, T	
	Edmonton 5, AB	EDTNAB0205T	DIG-4	/86	C	
	Lethbridge 3, AB	LTBRAB0203T	DIG-4	/86	C	
	Kelowna 3, BC	KLWNBC0203T	3EAX-4	2/81	C, T	
	Prince George 3, BC	PGRGBC0103T	3EAX-3	4/81	C, T	
	Vancouver 3, BC	VANBC0103T	3EAX-3	6/82	C	
	Dawson Creek 2, BC	DWCKBC0102T	DIG-4	10/82	C	
	Victoria 3, BC	VCTABC0103T	DIG-4	1/83	C	
	Nelson 2, BC	NLSNBC0102T	DIG-4	3/83	C	
	Terrace 2, BC	TRRCBC0202T	DIG-4	10/83	C	
	Cranbrook 2, BC	CRBKBC0102T	DIG-4	2/84	C	
	Williams Lake 2, BC	WLLKBC0102T	DIG-4	2/84	C	
	Kamloops 3, BC	KMLPBC0203T	DIG-4	/85	C	
	Winnipeg 2, MB	WNPGB0102T	DMS200-4	6/82	C	
	Selkirk 2, MB	SLKRMB0102T	DIG-4	/82	C	

### Chart 10A

NEW NON-BELL TOLL OFFICES PLANNED FOR SERVICE 1981-1986						
Co.	Location	CLLI	Type-Class <sup>1</sup>	Service Date	Features <sup>2</sup>	Remarks
TCTS	Moncton 2, NB	MCTNNBSA02T	DMS1/200-4	5/82	C, T	
	Bathurst 2, NB	BTSTNBSC02T	DMS1/200-4	/84		
	Mount Pearl 1, NF	MTPRNF0101T	DMS200-3	6/83	C	
	Corner Brook 3, NF	CRBKNF0203T	DMS1/200-2	/84	C, T	
	Grand Falls 2, NF	GDFLNF0202T	DIG-4	/85	C	
	Sydney 2, NS	SYDNNS0102T	DMS1/200-4	3/82	C	
	Halifax 3, NS	HLFXNS0103T	DMS1/200-2	5/82	C, T	
	Hay River 2, NT	HYRVNTXA02T	ITS4-4	3/81	C	
	Kingston 2, ON	KGTNON0802T	DMS1/200-4	4/81	C, T	
	Barrie 2, ON	BARION1802T	DMS1/200-4	3/82	C	
	Toronto 8, ON	TOROON6008T	DMS200-4	5/82	C	
	London 3, ON	LONDON1403T	DMS1/200-3	12/82	C, T	
	Oshawa 3, ON	OSHWONXX03T	DMS-4	/82	C	
	Hamilton 3, ON	HMTNON1403T	DMS200-3	3/83	C	
	Peterborough 2, ON	PTBOON6202T	DMS1/200-4	/84	C	
Sudbury 2, ON	SDBRONXX02T	DMS1/200-3	/84	C		
Charlottetown 3, PE	CHTWPE0103T	DIG-3	/85	C		
Trois Rivières 2, PQ	TSRVQP3202T	DMS1/200-4	5/81	C, T		
	Montreal 7, PQ	MTRLPQ0207T	DMS1/200-2	2/82	C	
	Hull 1, PQ	HULLPQXX01T	DMS-4	/83	C	
	Chicoutimi 2, PQ	CCTMPQ0302T	DMS1/200-3	/83	C	
	Quebec 3, PQ	QUBCPQ1403T	DMS1/200-2	3/84	C	
	Sherbrooke 2, PQ	SHBKQP4002T	DMS1/200-3	/84	C	
Regina 3, SK	REGNSK0603T	DMS200-2	5/81	C		
Saskatoon 4, SK	SKTNSK0104T	DIG-4	/82	C		
MEX	Tijuana (Telenor)	TIJNMXXP01T	AXE10-4	6/81		
	Mexicali	MXCLMXXP02T	AXE10-4	1/86		
CARIB	CharlotteAmalie, VI	CHAMVIXA02T	NX1E-3			

### Chart 11

**COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)  
IMPLEMENTATION SCHEDULE 1981-1984  
(BASED ON APRIL 1981 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)**

REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
White Plains	New York 5450, NY	4ESS	1/81	
	Utica, NY	1AESS	6/81	
	New Haven 5, CT	4ESS	10/81	
	Albany 3, NY	4ESS	2/82	
	Rochester, NY (NB) <i>loch</i>	4ESS	3/82	
	Manchester, NH	4ESS	4/82	
	Rochelle Park 3, NJ	4ESS	8/82	
	Danbury, CT	1ESS	11/82	
	Elmira, NY	1AESS	3/83	
	New York 38, NY	4ESS	3/83	
	Brockton, MA	4ESS	4/83	
	Waterbury, CT	1AESS	4/83	
	Binghamton, NY	1AESS	5/83	
	Glens Falls, NY	1AESS	6/83	
	Manchester, CT	1ESS	6/83	
	New Haven, CT	1AESS	7/83	
	Norwalk, CT	1AESS	7/83	
	Stamford, CT	1AESS	7/83	
	New Britain, CT	1AESS	8/83	
	Meriden, CT	1ESS	9/83	
	Watertown, NY	1AESS	9/83	
	Bangor, ME	1AESS	10/83	
	New London, CT	1AESS	10/83	
	Hartford, CT	1AESS	11/83	
	Middletown, CT	1ESS	1/84	
	Bridgeport, CT	1AESS	3/84	
	Buffalo, NY	4ESS	3/84	
	Framingham, MA	4ESS	4/84	
	Torrington, CT	1ESS	7/84	
	Hartford 4, CT	4ESS	8/84	
Wayne	Lynchburg, VA	1AESS	2/81	
	Norfolk 4, VA	4ESS	4/81	
	Scranton, PA	1AESS	8/81	
	Arlington 3, VA	4ESS	4/82	
	Hazleton, PA	1ESS	6/83	

Chart 11

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)  
 IMPLEMENTATION SCHEDULE 1981-1984  
 (BASED ON APRIL 1981 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)

REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
Pittsburgh	Detroit 3, MI	4ESS	4/81	
	Charleston 2, WV	4ESS	2/82	
	Clarksburg, WV	1AESS	2/82	
	Erie, PA (NB) <i>GTE</i>	3EAX	12/82	
	Lexington, KY (NB) <i>GTE</i>	3EAX	1/83	
	Alpena, MI (NB)	5EAX	2/83	
	Bluefield, WV (NB)	3EAX	3/83	
	Pontiac 3, MI	4ESS	4/83	
	Altoona, PA	1AESS	12/83	
	Du Bois, PA	1ESS	12/83	
	Johnstown, PA (NB)	5EAX	12/83	
	State College, PA	1ESS	12/83	
	Alma, MI (NB) <i>GTE</i>	5EAX	3/84	
	Akron, OH	4ESS	4/84	
	Toledo, OH	4ESS	4/84	
Atlanta	Daytona Beach, FL	1ESS	1/81	
	Memphis, TN	4ESS	2/81	
	Greensboro 3, NC	4ESS	3/81	
	Birmingham, AL	4ESS	4/81	
	Tampa 4, FL (NB) <i>GTE</i>	4ESS	6/81	
	West Palm Beach 4, FL	4ESS	8/81	
	Columbia 2, SC	4ESS	11/81	
	Atlanta 5, GA	4ESS	3/82	
	Winter Park, FL (NB) <i>GTE</i>	NEAX61	3/82	
	Durham, NC (NB) <i>GTE</i>	3EAX	6/82	
	Rock Mount, NC (NB) <i>unit 1 Columbia</i>	4ESS	6/82	
	Athens, GA	1ESS	2/83	
	Greenville, SC	4ESS	4/83	
	Jackson, MS	4ESS	4/83	
	Valdosta, GA	1AESS	4/83	
	Waycross, GA	1AESS	5/83	
	Wilmington, NC	1ESS	11/83	
	Florence, SC	DIG	12/83	
	Tallahassee, FL (NB) <i>unit 1</i>	DMS1/200	/83*	
	Baton Rouge, LA	4ESS	1/84	
	Gainesville, GA	1AESS	1/84	
	Augusta, GA	1ESS	3/84	
	Columbus, GA	DIG	4/84	
	Macon, GA	DIG	4/84	
	Gainesville, FL	DIG	9/84	
	Sarasota, FL (NB) <i>GTE</i>	3EAX	9/84	

Chart 11

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)  
 IMPLEMENTATION SCHEDULE 1981-1984  
 (BASED ON APRIL 1981 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)

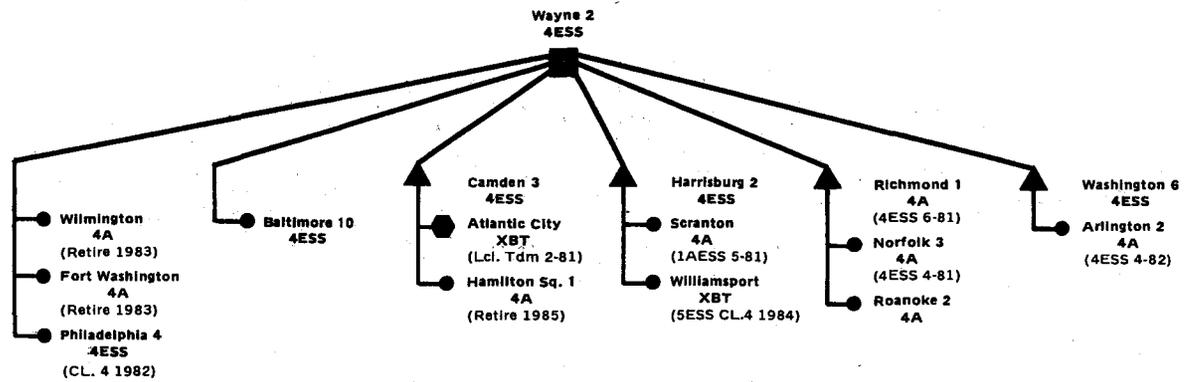
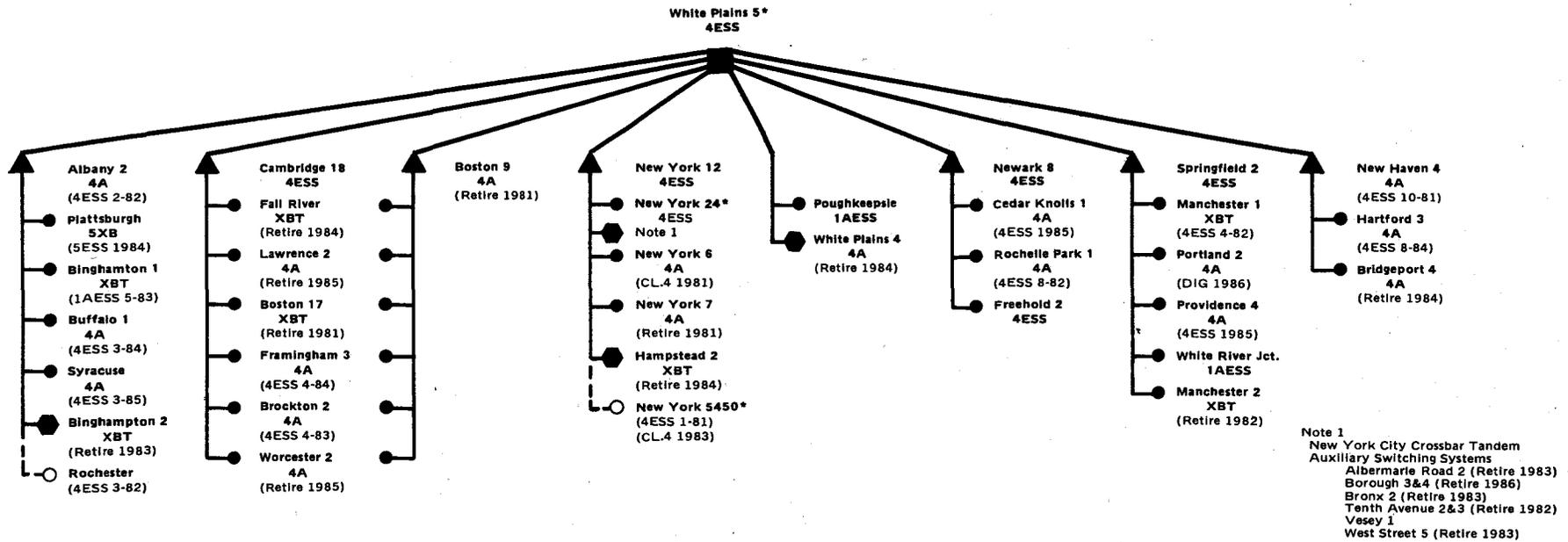
REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
Norway	Oak Brook 2, IL	4ESS	3/81	
	Mason City, IA	1AESS	4/81	
	Des Moines 2, IA	4ESS	6/81	
	Waterloo, IA	1AESS	11/81	
	Portage, IN (NB)	3EAX	2/82	
	Northbrook 3, IL	4ESS	4/82	
	Fort Wayne, IN (NB) <i>GR</i>	3EAX	7/82	
	Sioux City, IA	1AESS	10/82	
	Bismarck, ND	1ESS	12/82	
	Olney, IL (NB)	3EAX	12/82	
	Peoria, IL	4ESS	2/83	
	Three Rivers, MI (NB)	3EAX	4/83	
	Marion, IL (NB)	3EAX	5/83	
	Wausau, WI (NB)	3EAX	5/83	
	Rock Island, IL	1AESS	9/83	
	Lafayette, IN (NB)	5EAX	10/83	
	Richmond, IN (NB)	3EAX	10/83	
	Terre Haute, IN (NB)	3EAX	10/83	
	South Bend, IN	DIG	1/84	
	Madison, WI	4ESS	3/84	
	Grand Rapids, MI	4ESS	4/84	
	Traverse City, MI	1ESS	2Q/84	
	South Bend, IN	DIG	/84	
St. Louis	Little Rock 2, AR	4ESS	2/81	
	Pine Bluff, AR	1ESS	2/81	
	Topeka, KS	1ESS	3/81	
	Wichita 2, KS	4ESS	4/81	
	Salina, KS	1AESS	9/81	
	Springfield, MO	4ESS	4/82	
	Jonesboro, AR	1ESS	10/82	
	Lawton, OK	1AESS	12/84	
Dallas	Huntsville, TX	1AESS	6/81	
	Waco, TX	1AESS	7/81	
	Lawton, OK	1AESS	10/81	
	Beaumont, TX	1AESS	12/81	
	Abilene, TX	1AESS	2/83	
	El Paso, TX	1AESS	6/83	
	Nacogdoches, TX	1AESS	6/83	
	Dallas 4, TX	4ESS	9/83	
	Baytown, TX (NB)	DMS200	/83*	
	Dickinson, TX (NB) <i>CT</i>	DMS200	/83*	
	Longview, TX	4ESS	3/84	
	Amarillo 2, TX	1AESS	4/84	
	Houston 5, TX	4ESS	4/84	
	Lubbock 2, TX	4ESS	4/84	

### Chart 11

**COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)  
IMPLEMENTATION SCHEDULE 1981-1984  
(BASED ON APRIL 1981 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)**

REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
Denver	Provo, UT	1ESS	8/81	
	Colorado Springs 2, CO	4ESS	10/81	
	Salt Lake City 2, UT	4ESS	4/82	
	Casper, WY	1AESS	9/83	
Sacramento	Salinas, CA	1AESS	3/81	
	Modesto, CA	1AESS	5/81	
	Oakland 6, CA	4ESS	8/81	
	San Jose 3, CA	4ESS	3/82	
	Reno, NV	4ESS	5/82	
	Las Vegas, NV (NB) <i>Centel</i>	DMS1/200	6/82	
	Spokane 2, WA	4ESS	10/82	
	Anchorage 3, AK	DMS200	1/83	
	Chico, CA	DMS200	4/83*	
	Redding, CA	DMS200	5/83*	
	Stockton 3, CA	4ESS	1/84	
	Santa Rosa 3, CA	4ESS	4/84	
San Bernardino	Anaheim 3, CA	4ESS	3/81	
	Bakersfield, CA	1AESS	4/81	
	Ontario, CA (NB) <i>GTE</i>	4ESS	8/81	
	San Luis Obispo, CA	1AESS	11/81	
	Gardena 3, CA	4ESS	4/82	
	Sherman Oaks 5, CA	4ESS	8/82	
	Los Angeles 5, CA	4ESS	2/83	
	Santa Monica, CA (NB) <i>GTE</i>	4ESS	8/83	
	Anaheim 4, CA	4ESS	3/84	
	(NB) - indicates Non-Bell			
	*Tentative dates as general availability date not yet established.			

**CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS**  
 (Present & Future Arrangements Through 1986)  
 (Based On April 1981 Construction Budget View)

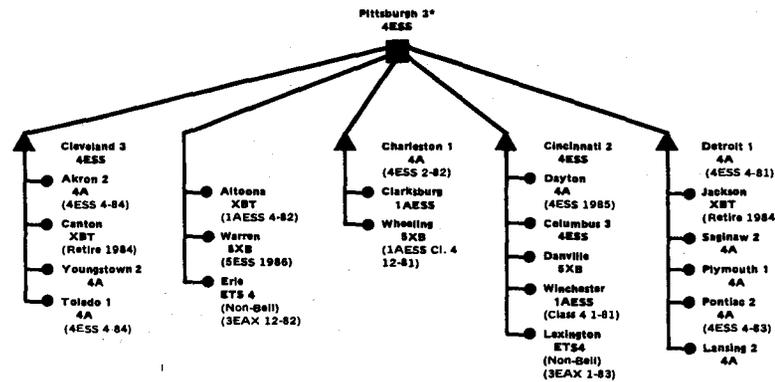
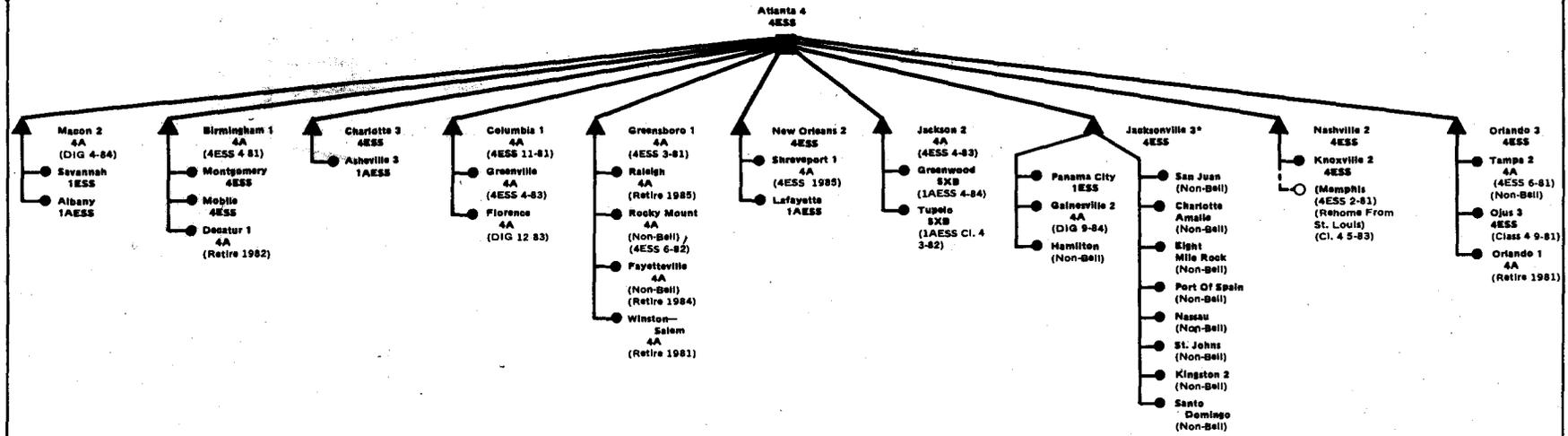


SOME OF THE LOCATIONS HAVE NOT MET ALL THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND ADEQUACY OF INTERCEPTING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED THROUGH ANY SYSTEM.

EXISTING	CSP	FUTURE	PLANNED DATE IS SHOWN IN ( )
■	REGIONAL CENTER (CLASS 1)	□	
▲	SECTIONAL " (" 2)	△	
●	PRIMARY " (" 3)	○	
●	AUXILIARY SWITCHING SYSTEM		* INTERNATIONAL SWITCHING CENTER

FINAL GROUP
IN SERVICE 12-31-80
PLANNED BY END OF 1986

**CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS**  
 (Present & Future Arrangements Through 1988)  
 (Based On April 1981 Construction Budget View)



SOME OF THE LOCATIONS HAVE NOT MET ALL THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND ADEQUACY OF INTERCEPTING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED THROUGH ANY SYSTEM.

<b>EXISTING</b>	<b>CSP</b>	<b>FUTURE</b>	
■ REGIONAL CENTER (CLASS 1)	□ SECTIONAL " (" 2)	△ SECTIONAL " (" 3)	○ INTERNATIONAL SWITCHING CENTER
● PRIMARY	○ ( " 3)		
● AUXILIARY SWITCHING SYSTEM			

PLANNED DATE IS SHOWN IN ( )

**FINAL GROUP**

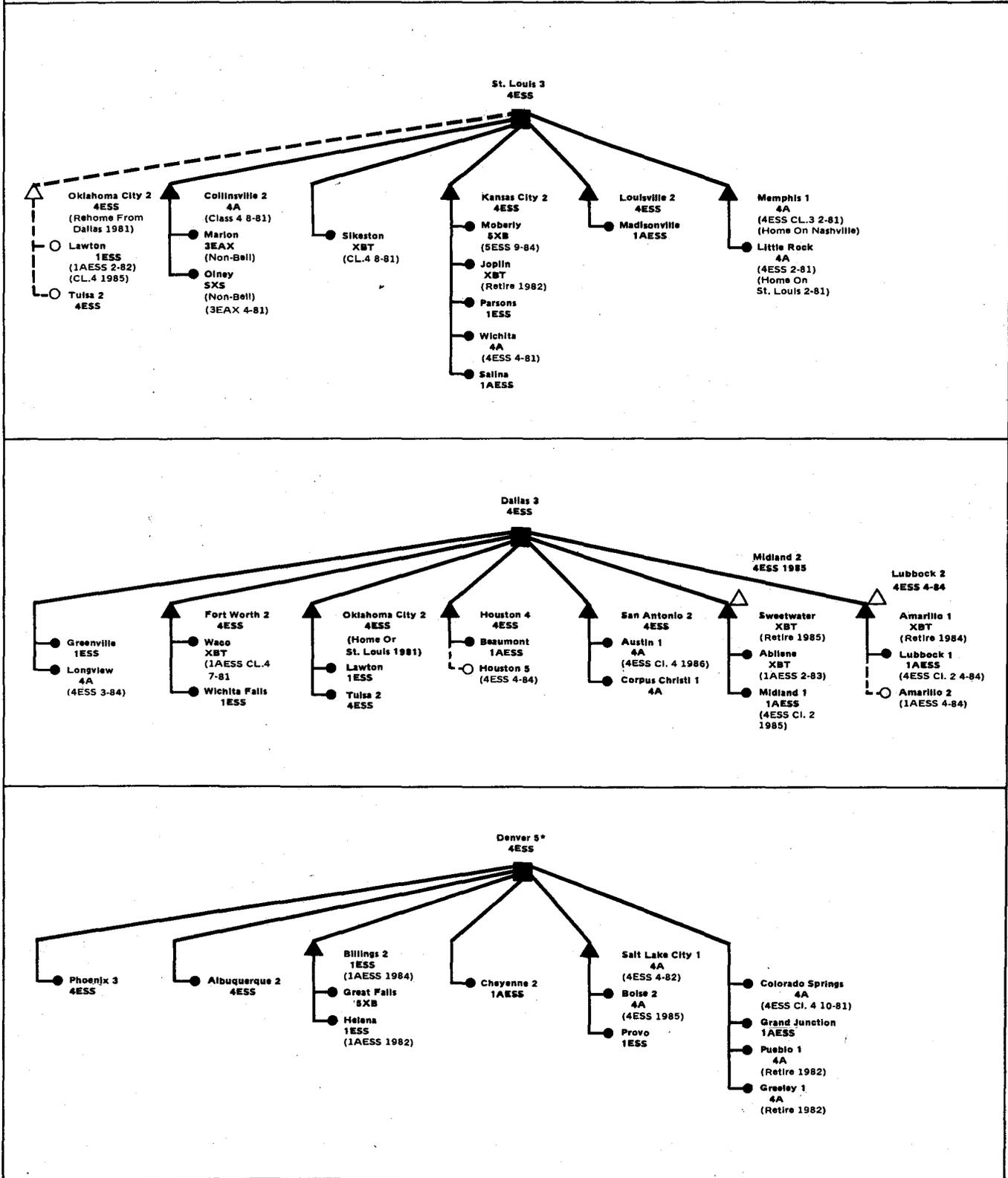
IN SERVICE 12-31-80

PLANNED BY END OF 1988



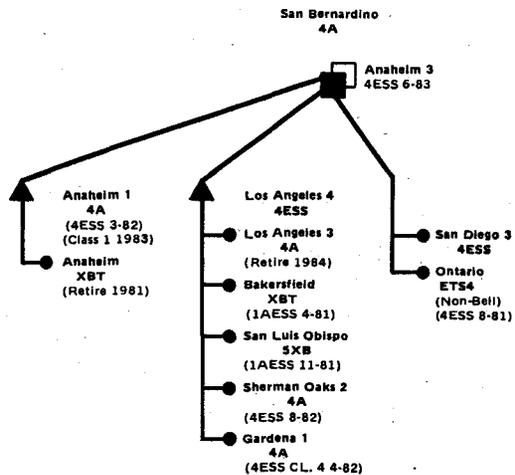
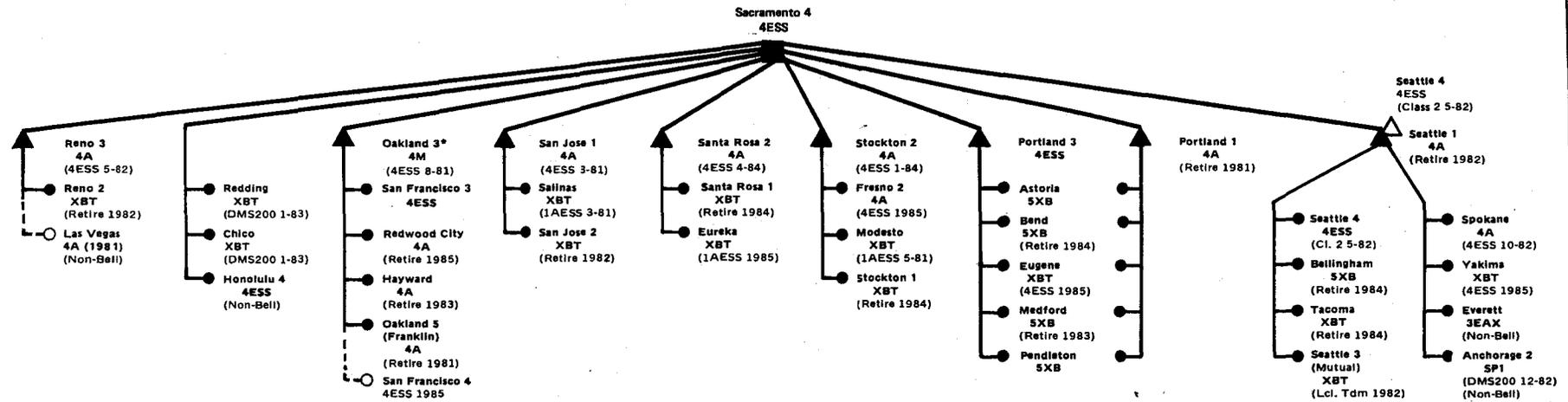
Chart 12D

**CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS**  
 (Present & Future Arrangements Through 1986)  
 (Based On April 1981 Construction Budget View)



SOME OF THE LOCATIONS HAVE NOT MET ALL THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND ADEQUACY OF INTERCEPTING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED THROUGH ANY SYSTEM.	EXISTING CSP	FUTURE	PLANNED DATE IS SHOWN IN ( ) • INTERNATIONAL SWITCHING CENTER	FINAL GROUP IN SERVICE 12-31-80 PLANNED BY END OF 1986
	■ REGIONAL CENTER (CLASS 1)	□		
	▲ SECTIONAL " (" 2) ● PRIMARY " (" 3) ● AUXILIARY SWITCHING SYSTEM	△ ○		

**CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS**  
 (Present & Future Arrangements Through 1986)  
 (Based On April 1981 Construction Budget View)



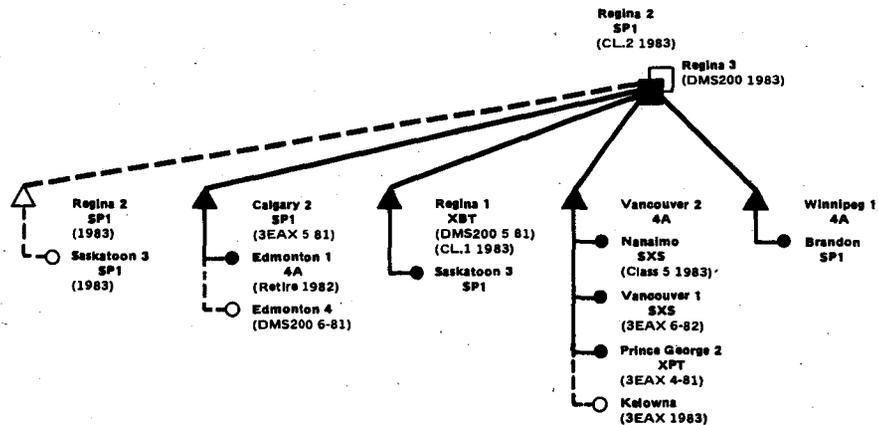
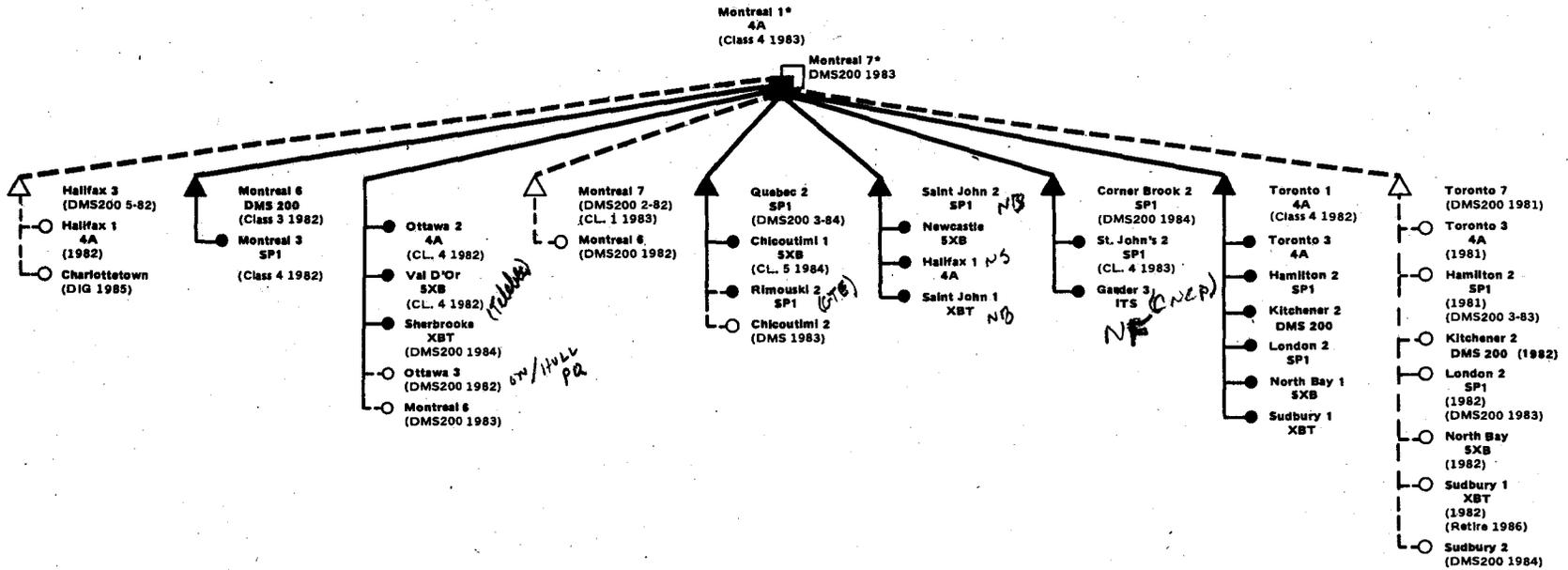
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EXISTING	CSP	FUTURE
■	REGIONAL CENTER (CLASS 1)	□
▲	SECTIONAL " (" 2)	△
●	PRIMARY " (" 3)	○
●	AUXILIARY SWITCHING SYSTEM	

PLANNED DATE IS SHOWN IN ( )  
 • INTERNATIONAL SWITCHING CENTER

FINAL GROUP  
 IN SERVICE 12-31-80  
 PLANNED BY END OF 1986 - - -

**CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS**  
 (Present & Future Arrangements Through 1986)  
 (Based On April 1981 Construction Budget View)



SOME OF THE LOCATIONS HAVE NOT MET ALL THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND ADEQUACY OF INTERCEPTING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED THROUGH ANY SYSTEM.

<b>EXISTING</b>	<b>CSP</b>	<b>FUTURE</b>
■ REGIONAL CENTER (CLASS 1)	□ REGIONAL CENTER (CLASS 1)	□ REGIONAL CENTER (CLASS 1)
▲ SECTIONAL " (" 2)	△ SECTIONAL " (" 2)	△ SECTIONAL " (" 2)
● PRIMARY " (" 3)	○ PRIMARY " (" 3)	○ PRIMARY " (" 3)
● AUXILIARY SWITCHING SYSTEM		

PLANNED DATE IS SHOWN IN ( )  
 • INTERNATIONAL SWITCHING CENTER

**FINAL GROUP**  
 IN SERVICE 12-31-80  
 PLANNED BY END OF 1986 - - -

### Chart 13

NUMBERING PLAN AREA PRINCIPAL CITIES					
END OF 1980					
AREA CODE	LOCATION	PRINCIPAL CITY MACHINE	AREA CODE	LOCATION	PRINCIPAL CITY MACHINE
201	New Jersey	Newark 8	601	Mississippi	Jackson 2
202	Dist. of Col.	Washington 6	602	Arizona	Phoenix 3
203	Connecticut	New Haven 4	603	New Hampshire	Manchester 1
204	Manitoba	Winnipeg 1	604	British Columbia	Vancouver 2
205	Alabama	Birmingham 1	605	South Dakota	StouxFalls
206	Washington	Seattle 1	606	Kentucky	*Cincinnati 2
207	Maine	Portland 2	607	New York	Binghamton 1
208	Idaho	Boise 2	608	Wisconsin	Madison 2
209	California	Stockton 2	609	New Jersey	Camden 3
212	New York	New York 12	612	Minnesota	*Minneapolis 3
213	California	*Los Angeles 4	613	Ontario	Ottawa 2
214	Texas	Dallas 3	614	Ohio	Columbus 3
215	Pennsylvania	Wayne 2	615	Tennessee	Nashville 2
216	Ohio	Cleveland 3	616	Michigan	*Grand Rapids 1
217	Illinois	Springfield 1	617	Massachusetts	Boston 9, Cambridge 18
218	Minnesota	*Minneapolis 3	618	Illinois	Collinsville 2
219	Indiana	South Bend 1	701	North Dakota	Fargo 1
301	Maryland	Baltimore 10	702	Nevada	Reno 3
302	Delaware	Wilmington	703	Virginia	*Richmond 1
303	Colorado	Denver 5	704	North Carolina	Charlotte 3
304	West Virginia	Charleston 1	705	Ontario	*Toronto 1
305	Florida	*Orlando 3	707	California	Santa Rosa 2
306	Saskatchewan	Regina 1	709	Newfoundland	Corner Brook 2
307	Wyoming	Cheyenne 2	712	Iowa	*Omaha 2, Nebraska
308	Nebraska	*Omaha 2	713	Texas	Houston 4
309	Illinois	Peoria 2	714	California	San Bernardino
312	Illinois	Chicago 7	715	Wisconsin	Eau Claire 3
313	Michigan	*Detroit 1	716	New York	Buffalo 1
314	Missouri	St. Louis 3	717	Pennsylvania	Harrisburg 2
315	New York	Syracuse	801	Utah	Salt Lake City 1
316	Kansas	*Kansas City 2	802	Vermont	White River Jct.
317	Indiana	Indianapolis 2	803	South Carolina	Columbia 1
318	Louisiana	*New Orleans 3	804	Virginia	*Richmond 1
319	Iowa	Davenport	805	California	*Los Angeles 4
401	Rhode Island	Providence 4	806	Texas	Amarillo 1
402	Nebraska	*Omaha 2	807	Ontario	Thunder Bay 3
403	Alberta	Calgary 2	808	Hawaii	Honolulu 4
404	Georgia	Atlanta 4	809	Virgin Island	*Jacksonville 3, Florida
405	Oklahoma	Oklahoma City 2		Puerto Rico	
406	Montana	Billings 2	812	Indiana	Bloomington 1
408	California	San Jose 1	813	Florida	*Orlando 3
412	Pennsylvania	*Pittsburgh 4	814	Pennsylvania	*Pittsburgh 3
413	Massachusetts	Springfield 3	815	Illinois	Norway
414	Wisconsin	Waukesha 3	816	Missouri	*Kansas City 2
415	California	Oakland 3	817	Texas	Fort Worth 2
416	Ontario	*Toronto 1 & 7	819	Quebec	*Montreal 1
417	Missouri	Joplin	901	Tennessee	Memphis 1
418	Quebec	Quebec 2	902	Nova Scotia	Halifax 1
419	Ohio	Toledo 1		and Prince	
501	Arkansas	Little Rock		Edward Island	
502	Kentucky	Louisville 2	904	Florida	*Jacksonville 3
503	Oregon	Portland 1 & 3	906	Michigan	*Grand Rapids 1
504	Louisiana	*New Orleans 3	907	Alaska	*Seattle 1, Washington
505	New Mexico	Albuquerque 2	912	Georgia	Macon 2
506	New Brunswick	St. John 2	913	Kansas	*Kansas City 2
507	Minnesota	*Minneapolis 3	914	New York	White Plains 5
509	Washington	Spokane	915	Texas	Sweetwater
512	Texas	San Antonio 2	916	California	Sacramento 4
513	Ohio	*Cincinnati 2	918	Oklahoma	Tulsa 2
514	Quebec	*Montreal 1	919	North Carolina	Greensboro 1
515	Iowa	Des Moines			
516	New York	Garden City 2			
517	Michigan	*Detroit 1			
518	New York	Albany 2			
519	Ontario	*Toronto 1			

\*Principal City for more than one NPA.

TRAFFIC SERVICE POSITIONS SYSTEMS IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	SERVICE DATE	CO.	LOCATION	CLLI	SERVICE DATE
NE (8)	Framingham, MA	FRMNMAUN1UD	6/70	SO (20)	Miami 2, FL	MIAMFLTL1UD	9/69
	Boston (Franklin St.)	BSTNMAFR1UD	4/72		Jacksonville, FL	JCVLFLCL1UD	12/70
	Lawrence, MA	LWRNMACA1UD	8/75		Charleston, SC	CHTNSCDT1UD	4/71
	Brockton, MA	BRTNMACO1UD	4/76		Raleigh, NC	RLGHNCMO1UD	8/71
	Providence, RI	PRVDRIGR1UD	8/76		Charlotte, NC	CHRLNCCA1UD	11/71
	Portland, ME	PTLDMEFO1UD	4/77		Ft. Lauderdale, FL	FTLDFLMA1UD	11/71
	Worcester, MA	WRCSMAO21UD	7/77		Orlando, FL	ORLDFLMA1UD	8/72
	White River, Jct., VT	WRJCVTGA1UD	5/79		Atlanta NW, GA	ATLNGANW1UD	4/73
NY (9)	Albany (State)	ALBYNYSS1UD	1/71	Pensacola, FL	PNSCFLBL1UD	5/73	
	Dix Hills (Suffolk 1)	HNTNNYSU1UD	5/71	Ojus O, FL	OJUSFRTL1UD	7/73	
	Varick St. (NYC1)	NYCMNYVS1UD	11/72	Greensboro, NC	GNBONCEU1UD	1/74	
	811 Tenth Ave. (NYC2)	NYCMNY542UD	10/73	Atlanta 51 IVY, GA	ATLNGATL1UD	5/74	
	White Plains 4	WHPLNYWP3UD	1/74	Ojus 1, FL	OJUSFRTL2UD	8/74	
	Syracuse	SYRCNYSU1UD	5/76	Columbia, SC	CLMASCTL1UD	9/74	
	Garden City (Mid Nassau)	GRCYNYGC1UD	6/79	Macon, GA	MACNGAGA1UD	5/75	
	Williamsburg (NYC-East)	NYCKNYWM1UD	9/79	West Palm Beach, FL	WPBHFLAN1UD	9/75	
	Buffalo	BFLONYFR1UD	7/80	Columbus, GA	CLMBGAMT1UD	12/75	
				Savannah, GA	SVNHGABS1UD	5/76	
NJ (6)	Morristown	MRTWNJMR1UD	1/69	Daytona Beach, FL	DYBHFLMA1UD	10/76	
	Rochelle Park 1	RCPKNJO21UD	6/70	Greenville, SC	GNVLSCTL1UD	1/78	
	New Brunswick	NBWKNJNB1UD	6/71	SOCN	Memphis, TN	MMPHTNMA1UD	5/70
	Camden	CMDNNJCE1UD	4/72		New Orleans, LA	NWORLAMA1UD	10/70
	Newark	NWRKNJO21UD	10/74		Nashville, TN	NSVLTNMT1UD	4/71
Hamilton Sq.	HMSQNJHS1UD	4/75	Chattanooga, TN		CHTGTNMA1UD	4/72	
			Jackson, MS		JCSNMSPS1UD	5/72	
PA (6)	Philadelphia	PHLAPAMK1UD	10/70	Birmingham, AL	BRHMALMT1UD	6/72	
	Wilmington, DE	WLMGDEWL1UD	10/71	Louisville, KY	LSVLKYCS1UD	4/73	
	Pittsburgh	PITBPADG1UD	12/71	Knoxville, TN	KNVLTNMA1UD	5/74	
	Fort Washington	FTWSPAFW1UD	7/74	Shreveport, LA	SHPTLATL1UD	11/75	
	Harrisburg	HRBGPAHA1UD	12/75	Baton Rouge, LA	BTRGLAMA1UD	4/77	
	Altoona	ALNAPAAL1UD	11/77	Montgomery, AL	MTGMALMT1UD	4/78	
C&P (5)	Washington, DC	WASHDCDT1UD	3/69	Winchester, KY	WNCHKYMA1UD	5/80	
	Norfolk (Bute St.), VA	NRFLVABS2UD	9/72	OHIO	Cleveland	CLEVOH621UD	3/71
	Richmond (Grace St.), VA	RCMDVAGR1UD	9/73		Columbus	CLMBOH111UD	6/71
	Baltimore, MD	BLTMMDCH1UD	3/74		Dayton	DYTNOH221UD	2/72
	Arlington, VA	ARTNVACK1UD	1/75		Youngstown	YNTWOH021UD	9/72
			Akron		AKRNOH251UD	11/73	
			Toledo	TOLDOH211UD	5/74		

Chart 14

TRAFFIC SERVICE POSITIONS SYSTEMS IN SERVICE - END OF 1980

CO.	LOCATION	CLLI	SERVICE DATE	CO.	LOCATION	CLLI	SERVICE DATE	
MICH	Plymouth	PLMOMIFA1UD	7/71	SW	Austin, TX	AUSTTXGR1UD	10/74	
	Pontiac	PNTCMIMN1UD	3/75		Corpus Christi, TX	CRCHTXTU1UD	10/75	
	Detroit	DTRTMIBH1UD	3/76		Wichita, KS	WCHTKSBR1UD	4/77	
	Grand Rapids	GDRPMIBL1UD	5/77		Midland, TX	MDLDTXMU1UD	9/77	
	Saginaw	SGNWMIFA1UD	5/77		Houston 3 (Weslayan), TX	HSTNTXO83UD	1/78	
IND	Bloomington	BLTNINO11EB	8/70		Springfield, MO	SPFDMOTL1EB	5/78	
	South Bend	SBNDINO11EB	12/73		Topeka, KS	TPKAKSJA1UD	8/78	
	Indianapolis	IPLSINO11EB	11/76		St. Louis 2, MO	STLSMOO92UD	9/78	
WISC	Waukesha	WKSHWIO21UD	11/73		MTN	Oklahoma City, OK	OKCYOKCE2UD	11/78
	Madison	MDSNWIO21UD	5/76			Denver, CO	DNVRCOMA1UD	4/71
ILL	Chicago (Canal)	CHCGILCL1UD	10/71	Colorado Springs, CO		CLSPCOMA1UD	6/72	
	Chicago (Wabash)	CHCGILWB2UD	12/73	Albuquerque, NM		ALBQNMMA1UD	5/76	
	Oak Brook	OKBRILOA3UD	8/74	Salt Lake City 1, UT		SLKCUTMA1UD	12/76	
	Northbrook	NBRKILNT4UD	10/75	Phoenix, AZ		PHNXAZMA1UD	12/77	
	Peoria	PEORILPJ5UD	11/77	Tucson, AZ		TCSNAZMA1UD	7/79	
	Collinsville	COVLILCL6UD	11/78	Billings, MT		BLNGMTMA1UD	3/80	
NW	Sioux Falls, SD	SXFLSDCO1EB	11/71	PNB		Salt Lake City 2, UT	SLKCUTMA2UD	12/80
	Minneapolis, MN	MPLSMNDT1UD	3/72			Portland 1, OR	PTLDOR621UD	7/71
	St. Paul, MN	STPLMNMK1UD	6/72		Seattle 1, WA	STTLWA011UD	9/71	
	Omaha, NE	OMAANENW5UD	3/75	Portland 2, OR	PTLDOR622UD	12/79		
	Des Moines, IA	DESMIADT5UD	10/77	PAC	Redwood City 2	RDCYCA021UD	3/72	
Fargo, ND	FARGNDBC1UD	6/80	San Francisco 1		SNFCCA011UD	3/72		
SW	Houston 1 (Jefferson), TX	HSTNTXO11UD	2/70		Los Angeles 3	LSANCA031UD	4/72	
	Dallas 1, TX	DLLSTXTL1UD	4/70		Oakland-Franklin 3	OKLDCA031UD	5/72	
	Fort Worth 1, TX	FTWOTXED1UD	1/71		Anaheim 1	ANHMCA010UD	6/72	
	San Antonio 1, TX	SNANTXCA1UD	5/71		San Diego 2	SNDGCA021UD	6/73	
	St. Louis, MO	STLSMOO91UD	8/71		Sherman Oaks 2	SHOKCA029UD	7/73	
	Kansas City, MO	KSCYMOO91UD	9/71		Sherman Oaks 3	SHOKCA038UD	10/74	
	Oklahoma City, OK	OKCYOKCE1UD	9/71		Reno 3, NV	RENONV021UD	2/75	
	Dallas 2, TX	DLLSTXTL2UD	11/71		Anaheim 3	ANHMCA012UD	4/78	
	Houston 2 (Jefferson), TX	HSTNTXO12UD	12/72	Gardena 4	GRDNCA024UD	4/78		
	Longview, TX	LGVWXTL1UD	4/73	Los Angeles 5	LSANCA015UD	4/79		
	Tulsa, OK	TULSOKTB1UD	12/73	San Jose	SNJSCA021UD	4/79		
Little Rock, AR	LTRKARFR1UD	5/74	Sacramento	SCRMCMA011UD	5/79			
				Gardena 6	GRDNCA026UD	3/80		
				San Diego 4	SNDGCA023UD	3/80		
				Oakland	OKLDCA032UD	4/80		

TRAFFIC SERVICE POSITIONS SYSTEMS IN SERVICE – END OF 1980

CO.	LOCATION	CLLI	SERVICE DATE	CO.	LOCATION	CLLI	SERVICE DATE
SNE	Norwalk	NRWLCT021EB	6/71	TCTS <i>Bell</i>	Montreal 3, PQ*	MTRLPQ5803T	4/76
	New Haven #2	NWHNCT021EB	7/72		Quebec 2, PQ*	QUBCPQ1402T	4/77
	Hartford #3	HRFRCT031EB	9/74		Montreal 4, PQ*	MTRLPQ5804T	3/78
CINN	Cincinnati	CNCNOHWS1EB	11/70	<i>GTE</i>	Rimouski 2, PQ*	RMKIPQXA02T	
Non-Bell	Tampa, FL <i>(GTE)</i>	TAMPFLXA1EB	9/72		Ste. Marie De Beauce, PQ*	STMBPQXQ01T	
Non-Bell	Park Ridge, IL	PRRGILXL1UD			Regina 2, SK*	REGNSK0602T	7/76
	Winter Haven, FL	WNHNFLXC1EB	10/77		Saskatoon 3, SK*	SKTNSK0103T	3/77
TCTS	Red Deer 2, AB*	RDDRAB0102T	6/75		Whitehorse 1, YT <i>CNCP</i>	WHTHYTXA01T	
	Vegreville 2, AB*	VGVLAB0102T	4/76				
	Edmonton 2, AB*	EDTNAB0202T	7/76				
	Lethbridge 2, AB*	LTBRAB0202T	3/78				
	Calgary 3, AB*	CLGRAB2103T	6/78				
	Vancouver 2, BC	VANCBC0104T	4/71				
	Prince George 2, BC	PGRGBC0102T	5/73				
	Kelowna 2, BC	KLWNBC0202T	8/78				
	New Westminster 1, BC	NWMRBC0101T					
	New Westminster 2, BC	NWMRBC0102T	9/80				
	Brandon, MB*	BRNDMB0202T	6/75				
	Thompson, MB*	THSNMB0102T	6/79				
	Saint John 2, NB*	STJHNBSU02T	4/79				
	Gander 2, NF	GNDRNFXA02T	10/76				
	St. John's 2, NF*	STJHNF0102T	12/76				
Gander 3, NF*	GNDRNFXA03T	6/80					
Corner Brook 2, NF*	CRBKNF0202T						
Hamilton 2, ON*	HMTNON1402T	6/77					
Toronto 5, ON*	TOROON6305T	2/78					
Toronto 6, ON*	TOROON6306T	2/78					
Thunder Bay, ON*	TDBAON3203T	5/79					
Kitchener 2, ON*	KTNRON0602T	3/80					

### Chart 15

NEW TRAFFIC SERVICE POSITIONS SYSTEMS IN SERVICE - 1981-1986  
(BASED ON APRIL 1981 CONSTRUCTION BUDGET VIEW)

CO.	LOCATION	CLLI	GENERIC	SHIP DATE	SERVICE DATE
NY	Broadway (NYC4)	NYCMNYBW1UD	10	3/82	3/83
NJ	Freehold	FRHDNJ021UD	9	9/80	5/81
C&P	Charleston, WV	CHTNWVLE1UD	10	2/81	5/82
SO	Ojus 2, FL	OJUSFLTL3UD	1BT1	1/83	10/83
SOCN	Jackson, MS	JCSNMSPS1UD	1BT1	6/85	6/86
SW	San Antonio 2, TX Little Rock 2, AR	SNANTXCA2UD LTRKARFR2UD	1BT1 1BT1	5/79 8/85	9/81 3/86
MTN	Denver (Zuni), CO	DNVRCOZJ2UD	10	5/80	5/81
PNB	Seattle 6, WA	STTLWA061UD	9	7/80	6/81
PAC	Anaheim 5 San Francisco Santa Rosa Fresno Sacramento Fresno	ANHMCA014UD SNFCCA212UD SNRSCA021UD FRSNCA011UD SCRMCA012UD FRSNCA012UD	9 9 9 9 1BT1 1BT1	7/80 6/80 3/80 1/80 1/82 3/83	4/81 6/81 6/81 7/81 4/83 6/84
<u>Non-Bell</u>	Tampa 2, FL <i>GTE</i>	TAMPFLXA2EB			1981
TCTS	Kelowna 3, BC <i>GTE</i> Grande Prairie 2, AB* Kingston, ON* Prince George 3, BC Trois Rivieres 2, PQ* <i>Bell</i> Camrose 2, AB* Halifax 3, NS* Moncton 2, NB* London 3, ON* Red Deer 3, AB* Corner Brook 3, NF*	KLWNBC0203T GDPRAB0102T KGTNON0802T PGRGBC0103T TSRVPG3202T CMRSAB0102T HLFXNS0103T MCTNNBSA02T LONDON1403T RDDRAB0103T CRBKNF0203T			2/81 3/81 4/81 4/81 5/81 5/82 5/82 5/82 12/82 4/84 /84
*Traffic Operator Position System					

INTERNATIONAL CALLING  
END 1980  
(Based On April 1981 Overseas Forecast)

REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	8 SERVICE	NOTES	REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	8 SERVICE	NOTES	
EUROPE	Austria	NY,WHPL	D	IDDD		MID EAST	Oman		V	OPR-D	DIRECT'81, IDDD'82	
	Belgium	PBG, NY	D	IDDD			Oatar		V	OPR-D	DIRECT'82, IDDD'82	
	Bulgaria	NY	D	MAN	OPR-D'82, IDDD'83		Saudi Arabia	NY	D	IDDD		
	Czechoslovakia	NY	D	MAN	OPR-D'82, IDDD'83		Syrian Arab Rep.	NY	D	OPR-D	IDDD'82	
	Denmark	PBG, NY	D	IDDD			Turkey	NY	D	IDDD		
	Finland	NY	D	IDDD			Un. Arab Emirates	NY	D	IDDD		
	France	PBG, NY	D	IDDD			Yemen Arab Rep.		V	MAN		
	Germany	NY, PBG, WHPL	D	IDDD			AFRICA	Algeria	NY	D	OPR-D	IDDD'82
	German Dem. Rep.	NY	D	IDDD				Angola		V	MAN	DIRECT'81
	Gibraltar		V	OPR-D				Ascension Is.		V	MAN	
	Greece	NY	D	IDDD		Benin			V	MAN	DIRECT'82	
	Greenland		V	MAN		Botswana			V	MAN	DIRECT'81	
	Hungary	NY	D	MAN	OPR-D'82, IDDD'83	Burundi			V	MAN		
	Iceland		V	OPR-D	DIRECT'81, IDDD'82	Cameroon		NY	D	OPR-D	IDDD'82	
	Ireland	NY, PBG	D	IDDD		Canary Is.		NY	D	IDDD		
	Italy	NY, WHPL	D	IDDD		Cape Verde Is.			V	MAN	DIRECT'82	
	Luxembourg	NY	D	IDDD		Cent. African Rep.			V	MAN		
	Malta		V	OPR-D	DIRECT'81, IDDD'83	Chad			V	MAN	DIRECT'83	
	Netherlands	PBG, NY	D	IDDD		Congo (Brazvl)			V	MAN	DIRECT'81	
	Norway	PBG, NY	D	IDDD		Egypt		NY	D	OPR-D		
	Poland	NY	D	MAN	OPR-D'81, IDDD'83	Ethiopia		NY	D	OPR-D	IDDD'82	
	Portugal	NY	D	IDDD		Gabon			V	OPR-D	DIR. '81, OPR-D'81 IDDD'82	
	Roumania	NY	D	IDDD		Gambia			V	OPR-D		
	St. Pierre & Miql		V	MAN		Ghana			V	OPR-D	DIRECT'81	
	Spain	NY, PBG	D	IDDD		Guinea			V	MAN	DIRECT'81	
	Sweden	PBG, NY	D	IDDD		Guinea Bissau			V	MAN		
	Switzerland	PBG, NY	D	IDDD		Ivory Coast		NY	D	OPR-D	IDDD'81	
	USSR	NY	D	OPR-D	IDDD'81	Kenya		NY	D	IDDD		
	United Kingdom	PBG, NY	D	IDDD		Lesotho			V	MAN	DIRECT'83, OPR-D'83	
	Yugoslavia	NY	D	IDDD		Liberia	NY	D	IDDD			
	MID EAST	Bahrain	NY	D	IDDD		Libya	NY	D	OPR-D	IDDD'81	
		Cyprus	NY	D	IDDD		Malawi		V	OPR-D	DIRECT'81	
Iran		NY	D	IDDD		Mali		V	MAN	DIRECT'82		
Iraq		NY	D	IDDD		Mauritania		V	MAN	DIRECT'82		
Israel		PBG, NY	D	IDDD		Mauritius		V	OPR-D			
Jordan		NY	D	OPR-D	IDDD'83	Morocco	NY	D	MAN	OPR-D'81, IDDD'82		
Kuwait		NY	D	IDDD		Mozambique		V	MAN	DIRECT'81		
Lebanon		NY	D	OPR-D	IDDD'83	Niger		V	MAN	DIRECT'81		
						Nigeria	NY	D	OPR-D	IDDD'81		

**INTERNATIONAL CALLING**  
**END 1980**  
 (Based On April 1981 Overseas Forecast)

REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE <sup>8</sup>	NOTES	REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE <sup>8</sup>	NOTES
AFRICA	Reunion		V	MAN		CARIB-BEAN	French Antilles	JKVL	D	IDDD	
	Rwanda		V	MAN			Grenada		V	OPR-D	IDDD '81
	Senegal	NY	D	OPR-D	IDDD '81		Haiti	JKVL	D	IDDD	
	Seychelles		V	MAN			Jamaica	NY,JKVL	D	IDDD	
	Sierra Leone	NY	D	MAN	DIRECT '81,OPR-D '81		Montserrat		V	IDDD	
	Somalia		V	MAN			Neth. Antilles No	JKVL	D	IDDD	
	South Africa	NY,WHPL	D	IDDD			Neth. Antilles So	JKVL	D	IDDD	
	Sudan		V	MAN	OPR-D '81		St. Kitts		V	IDDD	
	Swaziland		V	OPR-D	DIR. '82,OPR-D '82		St. Lucia		V	IDDD	
					IDDD '83		Trinidad	JKVL	D	OPR-D	IDDD '81
	Tanzania		V	OPR-D	DIRECT '81		Turks & Caicos	JKVL	D	OPR-D	IDDD '81
	Togo		V	MAN	DIRECT '81, OPR-D '83		Windward Is. & St. Vincent		V	IDDD	
	Tunisia	NY	D	OPR-D	IDDD '81						
	Uganda		V	OPR-D	DIRECT '81						
	Upper Volta	NY	D	MAN	OPR-D '81		CENTRAL AMERICA	Belize	JKVL	D	IDDD
Zaire	NY	D	MAN	OPR-D '83	Costa Rica	JKVL		D	IDDD		
Zambia	NY	D	OPR-D	IDDD '82	El Salvador	JKVL,PBG		D	IDDD		
Zimbabwe		D	MAN		Guatemala	JKVL,PBG		D	IDDD		
					Honduras	JKVL,PBG		D	IDDD		
CENTRAL ASIA	Afghanistan		V	MAN	DIRECT '82	SOUTH AMERICA	Nicaragua	JKVL,PBG	D	IDDD	
	Bangladesh	NY	D	MAN	OPR-D '83		Panama	JKVL,PBG	D	IDDD	
	Bhutan		V	MAN			Argentina	PBG,WHPL	D	IDDD	
	Burma		V	OPR-D	DIRECT '82		Bolivia	NY,PBG	D	IDDD	
	India	NY	D	OPR-D	IDDD '83		Brazil	PBG,WHPL	D	IDDD	
	Maldives Rep.		V	MAN			Chile	PBG	D	IDDD	
	Nepal		V	MAN	DIRECT '82,OPR-D '82		Colombia	PBG,WHPL	D	IDDD	
	Pakistan	NY	D	OPR-D	IDDD '82		Ecuador	PBG,WHPL	D	IDDD	
Sri Lanka	NY	D	OPR-D	IDDD '81	Falkland Is.		V	MAN			
CARIB-BEAN	Antigua	JKVL	D	IDDD		French Guiana	PBG	D	OPR-D		
	Bahamas	NY,JKVL	D	IDDD		Guyana	JKVL	D	IDDD		
	Barbados	JKVL	D	IDDD		Paraguay	PBG	D	IDDD		
	Bermuda	NY,JKVL	D	IDDD		Peru	PBG	D	IDDD		
	Brit. Virgin Is.		V	IDDD		Surinam	PBG	D	OPR-D	IDDD '81	
	Cayman Is.	JKVL	D	OPR-D	IDDD '81	Uruguay	NY	D	OPR-D	IDDD '82	
	Cuba (Havana)	JKVL, Miami	D	OPR-D		Venezuela	PBG,JKVL	D	IDDD		
	Cuba (Guantanamo)	NY	D	MAN							
	Dominica		V	IDDD							
	Dominican Rep.	NY,JKVL	D	IDDD							

INTERNATIONAL CALLING  
END 1980  
(Based On April 1981 Overseas Forecast)

REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE <sup>8</sup>	NOTES	REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE <sup>8</sup>	NOTES
PACIFIC	Am. Samoa	DNVR	D	IDDD							
	Antarctica		V	MAN							
	Australia	NY, DNVR, OAK	D	IDDD							
	Brunei		V	MAN							
	China, Peoples Rep. Of	NY	D	MAN	OPR-D'81						
	Christmas Is.		V	MAN							
	Cook Is.		V	MAN							
	Fiji Is.	DNVR	D	IDDD							
	Guam	DNVR	D	IDDD							
	Hong Kong	DNVR, OAK, PBG	D	IDDD							
	Indonesia	DNVR	D	IDDD							
	Japan	NY, DNVR, OAK	D	IDDD							
	Kiribati		V	MAN							
	Korea, Rep. Of	DNVR	D	IDDD							
	Laos		V	MAN							
	Malaysia	DNVR	D	IDDD							
	Midway Is.	DNVR	D	MAN							
	Nauru		V	OPR-D							
	New Caledonia	DNVR	D	IDDD							
	New Zealand	DNVR	D	IDDD							
	Papua New Guinea	DNVR	D	IDDD							
	Philippines	PBG, DNVR, OAK	D	IDDD							
	Saipan	DNVR	D	OPR-D							
	Singapore	DNVR	D	IDDD							
	Solomon Is.		V	OPR-D							
	Tahiti	DNVR	D	IDDD							
	Taiwan	DNVR	D	IDDD							
	Thailand	DNVR	D	IDDD							
	Tonga Is.		V	OPR-D	DIRECT'81						
	Tuvalu Is.		V	MAN							
US Trust Tr.		V	MAN								
Vanatu, Rep. of		V	OPR-D								
Wake Is.	DNVR	D	MAN								
Western Samoa		V	MAN	DIRECT'82, OPR-D'81							

DISTANCE DIALING COORDINATING COMMITTEE

AT&T	Network Implementation Planning	Basking Ridge	K. L. Hanson	201-221-3875
	Fundamental Network Planning	Basking Ridge	M. J. Stefanik	201-221-4697
	Intercity Systems & Technology Planning	Basking Ridge	L. J. Ackerman	201-221-4883
	Exchange Systems Design	Basking Ridge	W. S. Hinckley	201-221-4873
	Network Switching Engineering	Basking Ridge	T. J. Harding, Jr.	201-221-4680
	Central Office & Maint. Engineering	Basking Ridge	C. A. Pfitzinger	201-221-4850
	Central Office Maintenance	Basking Ridge	H. Stewart	201-221-4807
	Network Administration	Basking Ridge	R. S. Schulz	201-221-5788
	Bell Independent Relations	New York City	P. D. Servidea	212-393-2691
LL	Switching Planning	Bedminster	R. Lehle	201-234-4632
	Switching Implementation	Bedminster	R. F. Lampkin, Jr.	201-234-4906
	Overseas-Canadian Relations	Morris Plains	F. Baumann	201-631-4019
	Overseas	Morris Plains	H. W. Wood	201-631-4437
BTL	Toll Switching Engineering	Holmdel	R. T. Roca	201-949-5497
WECO	Program Planning	Morris Plains	J. Porcello	201-631-7035

DISTANCE DIALING COORDINATORS AS OF APRIL 1, 1981

CO.	AREA	LOCATION	COORDINATOR	TELEPHONE NO.	CO.	AREA	LOCATION	COORDINATOR	TELEPHONE NO.
NE	Staff Massachusetts & Rhode Island Northern States	Boston	H. Freese	617-743-4835	NW	Staff Minnesota Iowa Nebraska South Dakota North Dakota	Omaha	L. D. Reed	402-422-2274
		Framingham	E. B. Scheipers	617-879-9279			Minneapolis	J. S. Oakes	612-344-6118
		Manchester	W. A. Beers	603-645-3233			Des Moines	K. L. Powell	515-286-6948
NY	-	New York	J. J. Pine	212-883-1623			Omaha	J. D. Harris	402-422-2379
NJ	-	East Orange	E. G. Zinsmeister	201-672-7190			Fargo	L. J. Smith	701-241-3629
PA	Staff Eastern & Delaware Central Western	Philadelphia	L. C. Franks	215-466-2386	SW	Corp. Staff Arkansas Kansas Missouri - West Missouri - East Oklahoma Texas - Staff Dallas Houston San Antonio	St. Louis	B. C. Gessley	314-247-8237
		Philadelphia	J. R. Link	215-466-5420			Little Rock	C. Graham	501-371-5123
		Harrisburg	A. H. Peters	717-255-4582			Topeka	H. L. Thompson	913-296-8811
		Pittsburgh	R. S. Stoker	412-633-4783			Kansas City	W. M. Schmit	816-275-8510
C&P	Staff Washington Maryland Virginia West Virginia	Washington	M. E. Ricketts	202-493-3680			St. Louis	W. H. Dahmer	314-247-4291
		Washington	G. T. Costas	202-392-3111			Oklahoma City	F. W. Kamp	405-236-7258
		Baltimore	E. M. Fields	301-393-7070			Dallas	G. J. Deleado	214-464-7763
		Richmond	R. B. Prosize	804-772-5791			Dallas	C. V. Looper	214-745-6673
		Charleston	G. H. Gwinn	304-344-6572			Houston	C. D. Johnson	713-521-8304
SO	Hq. Staff Florida Georgia - Metro Georgia - Outstate North Carolina South Carolina	Atlanta	C. Perkins, Jr.	404-529-8557	MTN	-	Denver	T. H. Garnett	303-779-7008
		Miami	E. M. Kennedy	305-263-2132	PNB	-	Seattle	N. L. Baird	206-345-4060
		Atlanta	M. L. McNabb	404-391-3453	PAC	Staff Northern Sector Southern Sector Bay Sector Los Angeles Sector Nevada	San Francisco	D. R. King	415-542-0803
		Atlanta	T. J. Smith	404-391-2559			Sacramento	O. G. Sasse	916-648-5060
		Charlotte	G. K. Robinson	704-377-8726			San Diego	L. R. Rarick	714-238-2655
		Columbia	W. A. Humphries	803-748-8025			San Francisco	C. M. Bish	415-542-1656
SOCN	Staff Alabama Kentucky Louisiana Jackson Tennessee	Birmingham	W. C. Williams	205-321-8529			Pasadena	W. R. Gowan	213-578-4046
		Birmingham	A. S. Williams	205-877-5612			Reno	D. E. Truhill	702-789-6431
		Louisville	A. P. Crump	502-582-8719	SNE	-	New Haven	D. A. Foster	203-771-6569
		New Orleans	L. A. LaRocca	504-528-7185	CINN	-	Cincinnati	W. P. Keidel	513-397-4151
		Jackson	G. L. Robertson	601-961-0560					
OHIO	-	Cleveland	J. J. Zubay	216-822-8809	LL	Staff - Implementation	Bedminster	M. W. Goodwin	201-234-4949
MICH	-	Southfield	A. J. Hamilton	313-355-7849		Northeastern	White Plains	R. F. Wilhelm	914-320-2263
						NYC	New York	M. J. Washington	212-334-6578
IND	-	Indianapolis	G. M. Williams	317-265-3818		Central	Chicago	J. W. Duncan	312-885-8500
						Southern	Atlanta	W. H. Watts	404-529-2641
WISC	-	Milwaukee	A. J. Heyer	414-678-2164		Midwestern	Kansas City	H. W. Townsend	816-391-2423
						Eastern	Washington, DC	J. L. Torbert	202-457-2030
ILL	-	Chicago	R. L. McDowell	312-727-6193		Western	San Francisco	F. J. Curran	415-442-2226
						Non-Bell TCTS	TransCanada Tel. Sys.	Ottawa	W. R. Middleton

Chart 18

IDD INTER-DEPARTMENTAL COORDINATORS AS OF APRIL 1, 1981			
CO.	COORDINATOR	TELEPHONE NO.	REMARKS
AT&T	R. S. Crice	201-221-3512	Operator Services - Chairman
	K. L. Coggin	201-221-8996	Operator Services
	J. F. Delancey	201-221-3522	Operator Services
	R. E. Jackson, Jr.	201-221-3528	Operator Services
	W. P. Plossl	201-221-4759	Network Administration
	M. J. Giovaniello	201-221-4870	Exchange Systems Design
	R. Gaddis	201-221-6324	Business Marketing
	J. A. Hurley	201-428-4668	Residence Marketing
	D. J. DeRuisseau	201-221-3962	Business Service Centers
	E. F. Horgan	201-699-7652	Comptrollers
	J. E. Haney	212-428-3621	Billing & Payment Methods
	R. H. Carr	201-631-4130	Long Lines - Rates
	C. A. Jeffcoat	201-631-4505	Long Lines - Operator Svcs.
	H. W. Wood	201-234-6745	Long Lines - Net. Operations
	D. C. Zachau	201-631-4495	Long Lines - TFC. RTG. Guide
C. R. Zeugner	201-631-4450	Long Lines - Planning	
R. J. Keevers	201-949-5388	Bell Telephone Laboratories	
NE	E. Marsters	617-743-2039	
NY	J. R. Mellert	212-397-2034	
	J. C. Telesco	212-956-7391	
NJ	R. C. Harrison	201-649-3292	
PA	J. M. Larock	215-466-4387	
C&P	M. Nilson	202-392-2496	
SO	J. B. Grainger	404-529-8108	
SOCN	R. T. Mason	205-321-8494	
OHIO	R. R. McWilliams	216-822-7257	
MICH	C. E. Ossowski	313-223-8344	
IND	G. Miller	317-265-2883	
WISC	R. A. Brown	414-678-2306	
ILL	K. E. Gerler	312-727-2963	
NW	G. C. Claude	402-633-8070	
SW	J. R. Toland	314-247-8171	
MTN	O. Wilkison	303-779-7160	
PNB	J. Burnam	503-242-5173	
PAC	W. L. Andrus	415-542-1238	
LL	C. R. Zeugner	201-631-4450	
SNE	J. J. Collins	203-771-6863	
CINN	W. L. Reeves	513-297-2231	

SUMMARY OF TOLL SWITCHING SYSTEMS BY TYPE AND CLASS - END OF 1980

TYPE	4ESS				4XB				1/1A ESS			XBT			5XB		SXS		TOTAL					
	CLASS	1	2	3	4	1	2	3	4	2	3	4	2	3	4	3	4	3	4	1	2	3	4	TOT.
NE		2				1	6	1		1	3		4	16		17		30		3	11	66	80	
NY	1	1	1	1		1	5	2		1	5		11	40	1	21		8	1	2	19	77	99	
NJ		2	1				3	3			2		1	10		3				2	5	18	25	
PA	2	1	1				3				8		2	9	1	10		8	2	1	7	35	45	
C & P		1	1	1		2	3	1		1	7			7	1	21		2		3	6	39	48	
SD	1	3	1			3	6	5		4	9			1		14		2	1	6	11	31	49	
SOCN		3	3	1		3	2	1		3	12				3	27		4		6	11	45	62	
OHIO		1	1				4				3		1	5		9		8		1	6	25	32	
MICH						2	5	1			3		1	10	1	4		4		2	7	22	31	
IND			1			1	1				4		1	1		7		5		1	3	17	21	
WISC		1					2		1		3		1	2		6		5		2	3	15	20	
ILL		1		1	1	2	3	1		1	5			8		11			1	3	4	26	34	
NW		2				2				4	8		3	2	7	25		18		4	14	53	71	
SW	2	5	1				5			8	18	2	4	2	1	32		6	2	7	19	58	86	
MTN	1		2			1	4	1	1	4	4			2	1	11		10	1	2	11	28	42	
PWB		1	1			2	1				3		4		5	4		5		3	11	12	26	
PAC	1	1	2		1	6	7	3			3		11	7	1	8		8	2	7	21	29	59	
BELL OPR. COS.	8	25	16	4	2	26	60	19	2	27	100	2	44	121	22	229		123	10	55	169	596	830	
SNE						1	2				12			9		1		6		1	2	28	31	
CINN		1														1		1		1		2	3	
NON-BELL*			1	1			3	6						7		97	2	284			6	395	401	
TCTS					1	3	4					1	4	10	11	68	2	59	1	4	21	137	163	
TOTAL	8	26	17	5	3	30	69	25	2	27	112	3	48	147	33	396	4	473	11	61	198	1158	1428	
TYPE TOTAL	56				127				141			188			434@		477							
NON-BELL $\phi$																				8	127	135		
TCTS $\phi$																				1@	4@+1	2	11	19
TOTAL																				12	66	208	1296	1582

Chart 19

Source - Charts 3-9 For The 50 States Plus Canada (TCTS)  
 \* 50 States  
 @ Class 1 And 2 XB Systems Included In Type Total

## Notes Associated With Charts 3-10 & 16

### Note 1

**SRT** Selective Routing Tandem

**A or AUX** Auxiliary Switching System –  
Offices that do not originate and/or  
terminate Long Lines trunk groups.

**TO** Toll Only – an office that does not also serve  
as an end office, Class 5; does not switch local  
tariffed traffic; or does not terminate a trunk  
group from an operating unit for completion  
of O-traffic.

**Lcl.** Local only

**\*** No Lines Terminated or Local Tariffed Traffic

**LT** Local Tandem

### Note 3

#### Machine Responsibility

**T** Traffic Engineering

**E** Equipment Engineering

**A** Machine Administration

**M** Machine Maintenance

**C** Bell Operating Company

**L** Long Lines

### Note 6

#### Manufacturer

**1** Automatic Electric

**2** AEL Microtel

**3** Fujitsu Ltd.

**4** Hitachi Ltd.

**5** International Telephone and Telegraph (ITT)

**6** ITT Federal

**7** ITT Kellogg

**8** ITT Telecom Division

**9** Nippon Electric Co.

**10** North Electric Co.

**11** Northern Telecom Canada Ltd.

**12** Northern Telecom Inc.

**13** Oki Electric Ind. Co.

**14** Seimens (AEI Telecommunications)

**15** Stromberg-Carlson

**16** United States Instrument

**17** Vidar Division of TRW

**18** Ericsson

### Note 2

**C** = CAMA

**CC** = CAMAC

**I** = International Switching  
Center

**P** = PBC

**RTA**

**S** = STP

**T** = TSPS

**TSP**

\* See Note 1

### Note 4

**IA** = IE To IA

**IESP** = CC To SP

**4W** = 2W To HILO

**CL5** = Local Only

**Blank** = Retirement

### Note 5

Location – If two or more units (marker groups,  
with different names are located in the building,  
these are indicated by alternating symbols (\*) or  
(#) after the names.

### Note 7

**DNVR** = Denver 3 4XB

**JKVL** = Jacksonville 3 4ESS

**NY** = New York 24 4ESS

**OAK** = Oakland 3 4XB

**PBG** = Pittsburgh 3 4ESS

**WHPL** = White Plains 2 4XB

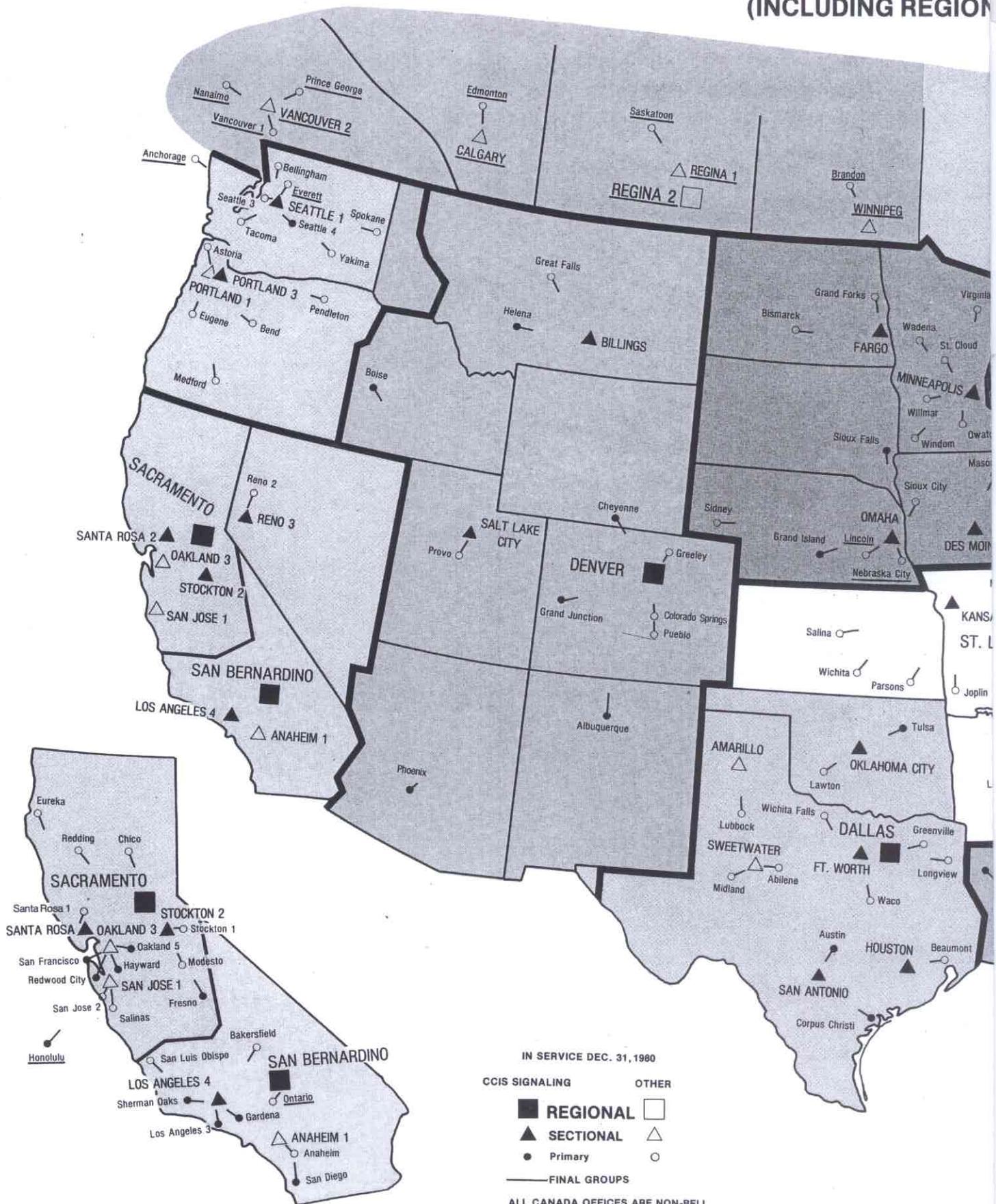
### Note 8

**IDDD** = Internation DDD

**OPR** – D = Operator dial

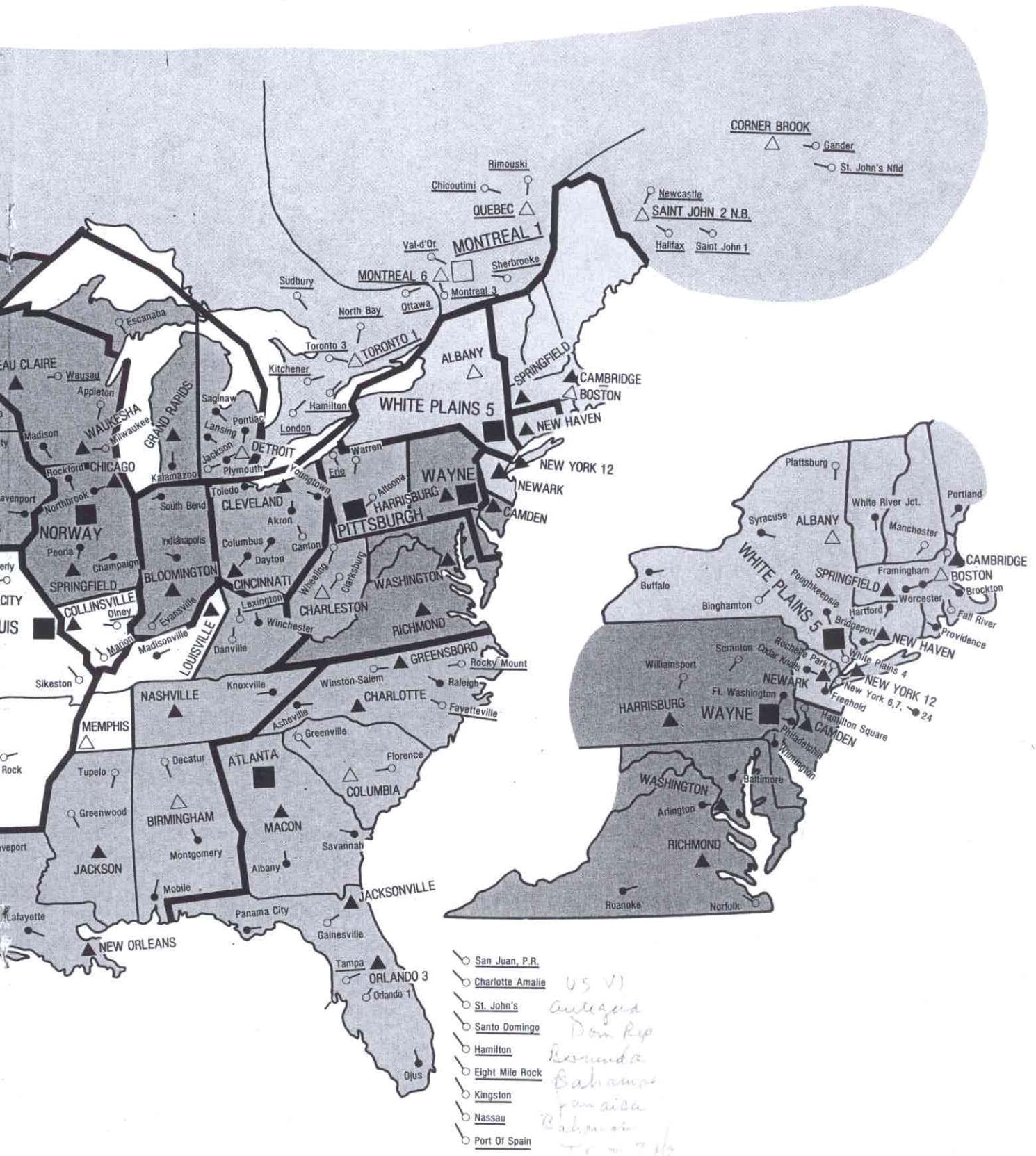
**Man** = Manual

# DISTANCE DIALING MAP (INCLUDING REGIONAL)

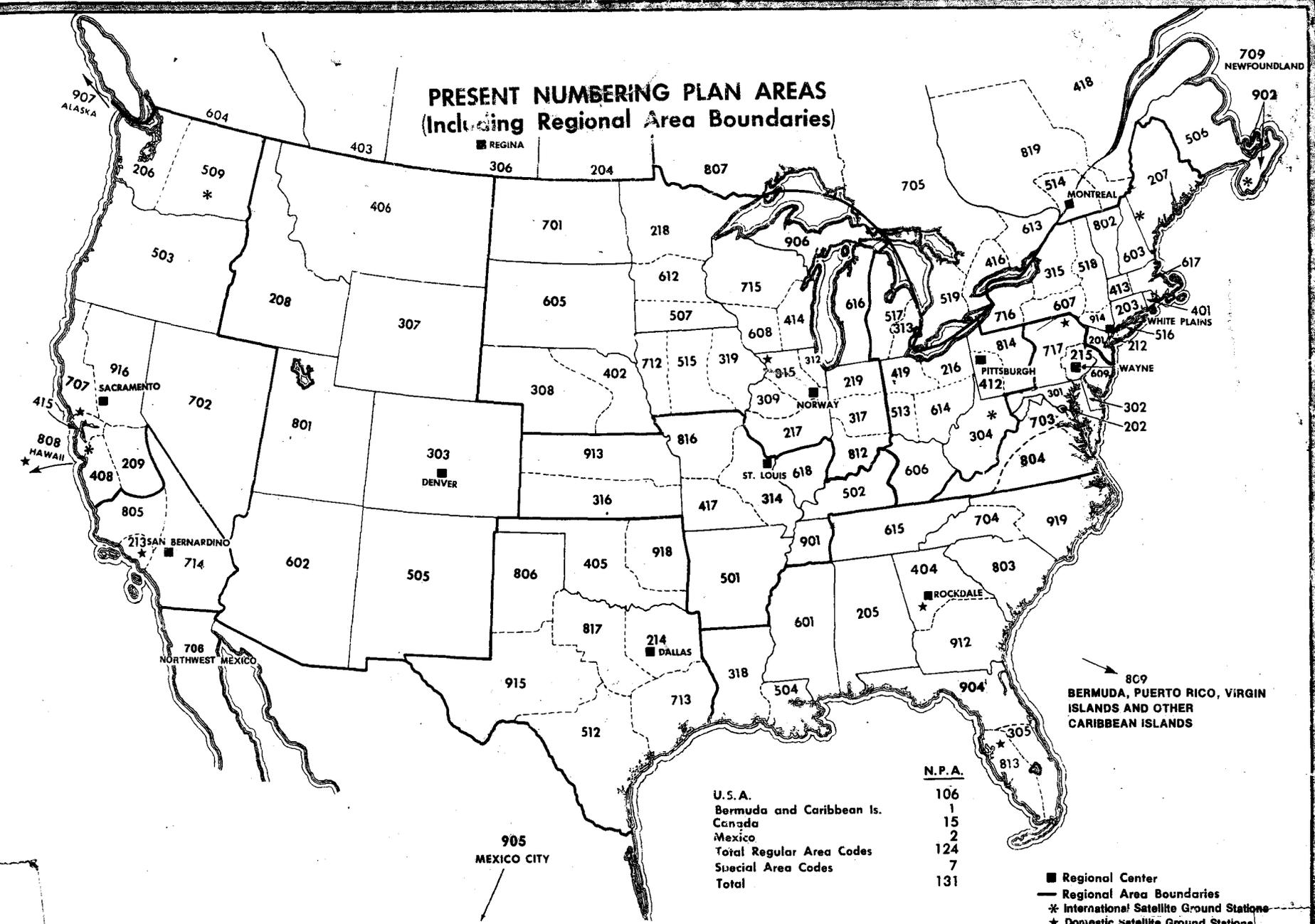


# ETWORK - END OF 1980

(AL AREA BOUNDARIES)



# PRESENT NUMBERING PLAN AREAS (Including Regional Area Boundaries)



905  
MEXICO CITY

	N.P.A.
U.S.A.	106
Bermuda and Caribbean Is.	1
Canada	15
Mexico	2
Total Regular Area Codes	124
Special Area Codes	7
Total	131

- Regional Center
- Regional Area Boundaries
- \* International Satellite Ground Stations
- ★ Domestic Satellite Ground Stations

809  
BERMUDA, PUERTO RICO, VIRGIN ISLANDS AND OTHER CARIBBEAN ISLANDS

808  
HAWAII

907  
ALASKA

709  
NEWFOUNDLAND

708  
NORTHWEST MEXICO

916  
SACRAMENTO

303  
DENVER

214  
DALLAS

618  
ST. LOUIS

412  
PITTSBURGH

514  
MONTREAL

609  
WAYNE

401  
WHITE PLAINS

N.P.A.