

1980

**distance
dialing
coordinating
handbook**



100-041

distance dialing coordinating handbook



Vol. 19 Issue 1

Chart 1	— Distance Dialing Statistics	Page 1
Chart 2	— Nationwide Cutover Dates.	Page 2
Chart 3	— No. 4ESS Offices in Service	Page 3
Chart 4	— No. 1ESS/1AESS Toll Offices in Service	Pages 4-7
Chart 5	— No. 4 Type Toll Crossbar Offices In Service.	Pages 8-13
Chart 6	— Crossbar Tandems in Service	Pages 14-21
Chart 7	— Bell System No. 5 Crossbar Class 3 & 4 Offices in Service	Pages 22-25
Chart 7A	— Non-Bell Class 4 Crossbar Offices In Service	Pages 26-28
Chart 8	— Bell System Step-by Step Class 4 Offices in Service.	Pages 29-31
Chart 8A	— Non-Bell Class 4 Step-by-Step Offices in Service.	Pages 32-37
Chart 9	— Other Toll Offices in Service	Pages 38-41
Chart 10	— New Toll Offices Planned for Service	Pages 42-50
Chart 11	— Common Channel Interoffice Signaling (CCIS) Implementation Schedule	Pages 51-54
Chart 12A-F	— Control Switching Points and Their Homing Arrangements — Originating Traffic.	Pages 55-60
Chart 13	— Numbering Plan Area Principal Cities	Page 61
Chart 14	— Traffic Service Positions System No. 1 in Service.	Pages 62-64
Chart 15	— New Traffic Service Positions Systems Planned	Pages 65
Chart 16	— International Calling	Pages 66-68
Chart 17	— Distance Dialing Coordinators.	Page 69
Chart 18	— IDDD Inter-Departmental Coordinators	Page 70
Chart 19	— Switching Summary — Type & Class	Page 71

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 1980 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 1980 CONSTRUCTION BUDGET VIEW

LONG DISTANCE MESSAGES-BELL OPERATED (During Year-Millions)	1979 (Actual)	1980	1981
Intrastate* ϕ	10336	11356	12504
Interstate* ϕ	5923	6496	7153
% Dialed By Customers (DDD)*	85.4	86.0	86.7
% Dialed By Operators (DDD)*	5.1	4.2	3.5
% Customer Dialed Operator Serviced (TSPS, TSP)*	9.5	9.8	9.9

OUTWARD INTERNATIONAL MESSAGES (During Year-Millions)			
Total	58.9	74.9	92.5
IDDD Countries	55.9	72.1	91.2
% IDDD – Customer Dialed	44.4	51.3	53.5
% IDDD – Operator Dialed (IOTC)	42.7	40.9	39.7
% IDDD – Operator Dialed (IOC)	12.9	7.8	6.8

TELEPHONES (End Of Year – Millions)-	Bell Cos.	Non-Bell	Bell Cos.	Non-Bell	Bell Cos.	Non-Bell
Total Main Tels. & Equiv. Main Tels	81.4	20.4	84.3	21.4	87.5	22.4
Equipped For DDD	81.3	20.1	84.2	21.0	87.5	21.9
With Access To IDDD/IOTC	63.9		69.4		73.7	
Served By TSPS Or Equivalent	73.6	7.3	79.6	8.9	84.6	10.1
With ANC Numbering	81.2	19.7	84.2	20.7	87.5	21.7
Operator Identified	1.8		1.3		1.0	
Automatically Identified – AMA	52.7		58.1		63.1	
Automatically Identified – ANI	26.7		24.8		23.4	

TOLL MESSAGE NETWORK TRUNKS (End Of Year-Thousands)					
Total	6176		6536		6853
CCIS	152		322		514

TOLL OFFICE DATA (End Of Year)						
Local Central Office Buildings (Equipped For DDD)	8704		8751		8769	
Traffic Toll Centers (Toll Offices Of Any Rank Providing Inward Operator Assistance)	525	423	445	403	372	389
Toll Centers Equipped With CAMA	393	406	331	390	275	378
Toll Centers Equipped For CCIS	109	2	157	2	189	4
Total Toll Positions	31445		28856		27727	
TSPS And TSP Positions (Included Above)	20636		21692		23116	

“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. ϕ -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, (100-041), Dated 1980 Send Through Normal Channels
 To: Western Electric Co., Inc., Indiana Publication Center, P.O. Box 26205, Indianapolis, Ind. 46226

Chart 2

CUTOVER DATES FOR DISTANCE DIALING ACTIVITIES REQUIRING NATIONWIDE ROUTING CHANGES

MONTH	1980	1981	1982	1983	1984	1985
January	5-19	3-17	2-16	8* - 15	7-21	5-19
February	2-16	7-21	6-20	5 - 19	4-18	2-16
March	1-15-29#	7-21	6-20	5 - 19	3-17	2-16-30#
April	19	4-25*	3-17	9* - 16	7-28*	20
May	3-17	2-16	1-15	14* - 21	5-19	4-18
June	7-21	6-27*	5-26*	4 - 25*	2-23*	1-22*
July	5-19	11*18	3-17	2 - 16	7-21	6-20
August	2-16	1-15	7-21	6 - 20	4-18	3-17
September	6-20	5-19	4-18	3 - 17	1-15	7-21
October	4-18	3-17	2-16	1 - 15	6-20	5-19
November	1-15	7-21	6-20	5 - 19	3-17	2-16
December	6-20	5-19	4-18	3 - 17	1-15	7-21

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 1979

CO	LOCATION	CLLI	CLASS ¹	SERVICE DATE	FEA-TURES ²	MACHINE ³ RESPONSIBILITY			
						T	E	A	M
NE	Cambridge 18, MA	CMBRMA0118T	2	8/79	C,T	L	L	L	L
NY	New York 12	NYCQNYRP08T	2	8/77	C,T	L	L	L	L
	New York 24	NYCMNYBW24T	3	4/78	I	L	L	L	L
	Garden City 2	GRCYNYGC02T	4	3/79	C,T	L	L	L	L
NJ	Freehold 2	FRHDNJ0202T	3TO	5/78		L	L	L	L
	Camden 3	CMDNNJCE03T	2	4/79	T	L	L	L	L
PA	Wayne 2	WAYNPALA42T	1	9/77	C,T	L	L	L	L
	Pittsburgh 3	PITBPADG43T	1	11/77	I	L	L	L	L
C&P	Washington 6, DC	WASHDCSW06T	3	3/78		L	L	L	L
	Richmond 2, VA	RCMDVAIT03T	4	5/79	C,T	L	L	L	L
SO	Jacksonville 3, FL	JCVLFLCL03T	2	12/76	C,T,I	L	L	L	L
	Atlanta 4, GA	ATLNGATL01T	3	1/77	C,T	L	L	L	L
	Ojus 3, FL	OJUSFLTL03T	3	5/78	C,T	L	L	L	L
SOCN	Nashville 2, TN	NSVLTNMT43T	2	1/78	C,T	L	L	L	L
	Montgomery, AL	MTGMALMT01T	3	4/78	C,T	C	C	C	C
	Mobile, AL	MOBLALAZ01T	3	6/79	C,RTA	C	C	C	C
	Chattanooga, TN	CHTGTTNS73T	4	12/79	C,T	C	C	C	C
OHIO	Columbus 3	CLMBOH1103T	3	4/77	T	L	L	L	L
	Cleveland 3	CLEVOH0203T	2	12/79	T	L	L	L	L
WISC	Waukesha 3	WKSHWI0231T	2	3/79	C,T	L	L	L	L
ILL	Chicago 7	CHCGILCL57T	2,SRT	1/76	C,T	L	L	L	L
	Chicago 8	CHCGILCG58T	3	7/78	C,T	L	L	L	L
NW	Omaha 2, NE	OMAHNENW14T	2	4/79	C,T	L	L	L	L
SW	Kansas City 2, MO	KSCYMO0904T	2	7/76	C,T	L	L	L	L
	Dallas 3, TX	DLLSTXTL34T	1	12/76	C,T	L	L	L	L
	San Antonio 2, TX	SNANTXCA02T	2	5/77	C,T	L	L	L	L
	Houston 4, TX	HSTNTX0144T	2	3/79	C,T	L	L	L	L
	Ft. Worth 2, TX	FTWOTXED24T	2	5/79	C,T	L	L	L	L
	Oklahoma City 2, OK	OKCYOKCE04T	2	5/79	C,T	L	L	L	L
MTN	Albuquerque 2, NM	ALBQNMMA02T	3	11/77	C,T	L	L	L	L
	Denver 5, CO	DNVRCOZJ05T	4	11/79	C,T	L	L	L	L
PNB	Portland 3, OR	PTLDOR6203T	3	4/79	C,T	C	C	C	C
PAC	San Diego 3	SNDGCA0787T	3	4/78	C,T	C	C	C	C
	Sacramento 4	SCRMCA0404T	4	10/78	C,T	C	C	L	L
CINN	Cincinnati 2	CNCNOHWS14T	2	6/79	C,T	L	L	L	L
<u>NON-BELL</u>	Winter Haven, FL	WNHNFLXC02T	4	10/77	C,T				
	Honolulu 4, HI	HNLLHIMN04T	3	3/79					

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE-END OF 1979

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE ⁴ DATE	CLASS ¹	FEATURES ²
					OFFICE	CCIS			
NE	Burlington, VT	BURLVTMA03T	1A	2	10/78		1ESP '80	4	C, RTA
	Concord, NH	CNCRNHS002T	1E-CC	2	10/78			4	C, RTA
	White River Jct, VT	WRJTVTGA02T	1A	4	5/79			3	C, T
NY	Niagara Falls	NGFLNYPO05T	1E-SP	2	5/75			4	C
	Glens Falls	GLFLNYGF08T	1A	2	2/79			4	RTA
	Elmira	EMIRNYEM03T	1A	4	11/79			4	RTA
NJ	Wildwood	WLWDNJWI03T	1E-CC	2	3/70		CL5 '81	4A	
	Vineland	VNLDNJVL03T	1E-CC	2	12/77			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
	Greensburg	GNBGPAGR81T	1A	2	12/78			4	C
	Scranton	SCTNPASC82T	1A	4	5/79			4	C, RTA
	Du Bois	DUBSPADU81T	1E-CC	2	11/79			4	RTA
	New Castle	NWCSPANC81T	1A	2	11/79			4	
C&P	Fredericksburg, VA	FRBGVAFB02T	1E-CC	2	11/75		1A '81	4	C
	Lynchburg, VA	LYBGVACH02T	1E-CC	2	11/75			4	C, RTA
	Huntington, WV	HNTNWVDT22T	1E-SP	2	6/76			4	C
	Salisbury, MD	SLBRMDSB07T	1E-SP	2	7/76			4	C
	Morgantown, WV	MGTWVWFY22T	1E-SP	2	7/78			4	C
	Parkersburg, WV	PRBGWVKT22T	1E-SP	2	10/78			4	C
SO	Panama City, FL	PNCYFLMA03T	1E-SP	2	1/76		'80	3*	C, RTA
	Savannah, GA	SVNHGABS02T	1E-SP	2	5/76			3*	C, T
	Daytona Beach, FL	DYBHFLMA03T	1E-SP	2	9/76			4	C, T
	Wilmington, NC	WLMGNCFO02T	1E-SP	2	4/77			4	C
	Augusta, GA	AGSTGAMT02T	1E-SP	2	6/77			4	C, RTA
	Asheville, NC	AHVLNCOH02T	1E-SP	2	7/77			4	RTA
	Athens, GA	ATHNGAMA02T	1E-SP	2	8/77			4	C, RTA
	Rome, GA	ROMEGATL02T	1E-SP	2	4/78			4	C, RTA
	Albany, GA	ALBYGAMA02T	1A	4	12/78			3	C, RTA
	Gainesville, GA	GSVLGAMA02T	1A	2	4/79			4	C, RTA
								1A '85	4
						CL5 '80	4	RTA	

Chart 4

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1979

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE ⁴ DATE	CLASS ¹	FEATURES ²
					OFFICE	CCIS			
SOCN	Lake Charles 2, LA	LKCHLADT03T	1E-SP	2	12/73			4	C, RTA
	Greenville, MS	GNVLSMA06T	1E-SP	2	11/74			4	
	Alexandria, LA	ALXNLAMA03T	1E-SP	2	7/75		1A '83	4	C
	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	1E- P	4	8/78	8/78	1A '80	3*	C, RTA
	Frankfort, KY	FRFTKYMA01T	1E-SP	2	12/78			4	C
	Paducah, KY	PDCHKYMA01T	1A	4	6/79			3	C, RTA
	Paintsville, KY	PNVLKYMA02T	1A	4	9/79			3	C, RTA
	Owensboro, KY	OWBOKYMA02T	1A	4	10/79			4	C, RTA
	Meridian, MS	MRDNMSTL06T	1A	4	12/79			4	
OHIO	Middletown	MDTWOH4250T	1E-SP	2	5/76			4	C
	Springfield	SPFDOH3250T	1A	2	5/78			4	C, RTA
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
IND	Gary	GARYINGO50T	1E-SP	2	5/77			4	C, RTA
	New Albany	NWALINO101T	1E-SP	2	11/77			4	C
	Muncie	MUNCINO102T	1E-SP	2	1/78		1A '80	4	
	Columbus	CLMBIN0102T	1E-CC	2	7/78			4	
WISC	Sheboygan	SHBYWIO181T	1E-SP	2	12/76			4	C
	Janesville	JNVLWIO181T	1E-SP	2	6/77			4	C
	Green Bay	GNBYWIO184T	1E-SP	4	10/77			4	C
	Eau Claire 3	EUCLWIO184T	1E-SP	4	5/78	3/79	1A '80	2	C, RTA
ILL	Kankakee	KNKKILKK50T	1E-SP	2	/73			4	C, RTA
	Northbrook	NBRKILNT50T	1E	2	4/76			4A	
	Joliet	JOLTILJO50T	1E-CC	2	2/77			4	C, RTA
	Rockford	RCFRILRT51T	1E	4	11/78	11/78		3*	C, RTA
	Danville	DAVLILDA50T	1A	2	11/79			4	C, RTA

Chart 4

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1979

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE ⁴ DATE	CLASS ¹	FEATURES ²
					OFFICE	CCIS			
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, T
	Davenport, IA	DVNPIADT07T	1E-SP	2	10/76	11/78	1A '80	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		1A '83	3*	C, T
	St. Cloud, MN	STCDMNT006T	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
SW	Topeka 2, KS	TPKAKSJA02T	1A	2	11/73			4A	
	Wichita Falls, TX	WCFLTXNI03T	1E-SP	2	10/74			3	C, RTA
	Galveston, TX	GLTNTXSO01T	1E-SP	2	12/74			4	C
	Greenville, TX	GNVLTXGLO3T	1E-SP	2	8/75			3	C, RTA
	Lawton, OK	LWTNOKTB03T	1E-CC	2	10/75			3TO	
	Midland 1, TX	MDLDTXMU01T	1A	2	10/76		CL5 '84	3	C, T
	Amarillo 2, TX	AMRLTXO201T	1E-SP	2	11/76		1A '83	4A	C, RTA
	Temple, TX	TMPLTXDN01T	1E-CC	2	4/77			4	C
	Fayetteville, AR	FYVLARHI01T	1E-SP	4	6/77		1A '82	4	C, RTA
	Richmond-Rosenberg, TX	RSBGTXRR01T	1E-CC	2	11/77			4	C
	Harlingen, TX	HRLNTXHG02T	1E-SP	2	12/77			4	C, RTA
	Topeka 3, KS	TPKAKSJA03T	1E-SP	4	2/78			4*	C, T
	Pine Bluff, A	PNBLARJE01T	1E-SP	4	6/78			4	C, RTA
	Beaumont 2, TX	BUMTXTE02T	1A	4	8/78			4	C, RTA
	Cape Girardeau, MO	CPGRMOED02T	1E-CC	4	8/78			4	
	Brownsville, TX	BWVLTXLI01T	1E-SP	2	10/78			4A	C
	Lubbock 1, TX	LBCKTXPS02T	1A	2	10/78		CL5 '83	3	C, RTA
	Jonesboro, AR	JNBOARMA01T	1E-SP	4	11/78		1A '81	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		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	SALNKSTA02T	1A	4	11/79			3*	C, RTA	

NO. 1 ESS/1A ESS TOLL OFFICES IN SERVICE—END OF 1979

CO.	LOCATION	CLLI	TYPE PROCESSOR	TRUNKS 2 = 2 WIRE 4 = HILO	SERVICE DATE		CHANGE ⁴ DATE	CLASS ¹	FEATURES ²
					OFFICE	CCIS			
MTN	Idaho Falls, ID	IDFLIDMA01T	1E-CC	2	9/75			4	C
	Provo 1, UT	PROVUTMA01T	1E-SP	2	5/76			3*	C, RTA
	Helena, MT	HLNAMTMA01T	1E-CC	4	9/77		1A '82	3TO	C
	Billings 2, MT	BLNGMTMA02T	1E-CC	4	5/78			2TO	C
	Casper, WY	CSPRWYMA01T	1A	4	5/78			4	C, RTA
	Pocatello, ID	PCTLIDMA01T	1A	4	11/79	11/79		4TO	C
	Cheyenne 2, WY	CHYNWYMA02T	1A	4	12/79			3	C
PN	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
PAC	Burlingame	BRLNCA0135T	1E-SP	2	8/72			4A	
	Monterey	MTRYCA0115T	1E-SP	2	2/74		CL5 '84	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	
	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	12/79		1A '82	4	T
	Stamford	SMFRCT0102T	1A	2	12/79			4	

Chart 4

NO. 4 CROSSBAR OFFICES IN SERVICE - END OF 1979

CO.	LOCATION	CLLI	TYPE/ CLASS 1	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES 2	MACHINE 3 RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
NE	Springfield 2, MA	SPFDMABR01T	4A/2	5/63			1980	C,RTA	L	L	L	L
	Boston 9, MA	BSTNMAFR09T	4A/2	4/70	4/70		1981	P,T,S	L	L	L	L
	Providence 4, RI	PRVDRIGR04T	4A/3	6/72	6/72	4/77	1985	P,T	L	L	L	L
	Cambridge 16, MA (Kendall Square)	CMBRMABEL16T	4A/4A	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,T	C	C	C	C
	Brockton 2, MA	BRTNMACO02T	4A/3	4/75	4/75	11/78	1983	P,T	C	C	C	C
	Worcester 2, MA	WRCSMA0202T	4A/3	9/75	9/75	4/79	1985	P,T	L	L	L	L
	NY	Albany 2	ALBYNYSS04T	4A/2	4/50			1982	T	L	L	L
Syracuse		SYRCNYSU04T	4A/3	5/54	4/76	9/79	1983	P,C,T	C	C	C	C
White Plains 2		WHPLNY0201T	4A/1TO	11/54	10/71		1980	P,S,I	L	L	L	L
Buffalo 1		BFLONYFR04T	4A/3TO	5/56	5/73	2/78	1984	P,C	C	C	C	C
New York 7		NYCMNY5404T	4A/3TO	9/63			1981		L	L	L	L
Suffolk 1		HNTNNYSU01T	4A/2	6/70	6/70		1980	P,T	L	L	L	L
Varick Street		NYCMNYVS01T	4A/4A	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		WHPLNYWP03T	4A/3	10/73	10/73		1981	P,C,T	C	C	C	C
Broadway 2		NYCMNYBW20T	4A/4A	2/74	2/74		1984	P	C	C	C	C
New York 11		NYCMNYBW02T	4A/4	8/74	8/74		1980	P	L	L	L	L
NJ	Newark 2	NWRKNJ0205T	4A/2	8/53			1980		L	L	L	L
	Rochelle Park 1	RCPKNJ0201T	4A/3	11/66	10/74		1982	P,T	C	C	C	C
	New Brunswick 4	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	1984	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

Chart 5

NO. 4 CROSSBAR OFFICES IN SERVICE – END OF 1979

CO.	LOCATION	CLLI	TYPE/ CLASS 1	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES 2	MACHINE 3 RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
PA	Philadelphia 2	PHLAPAMK41T	4M/3	8/43			1980	T	L	C	L	C
	Pittsburgh 1	PITBPADT41T	4A/2	7/51			1980	C,T	L	L	L	C
	Scranton	SCTNPASC41T	4A/3	5/53			1981	C	C	C	C	C
	Harrisburg	HRBGPAHA41T	4A/2	12/55	6/74		1980	P,C,T	L	L	L	L
	Ft. Washington 1	FTWSPAFW41T	4A/3	6/72	6/72	9/77	1983	P,T	C	C	C	C
	Philadelphia 3	PHLAPASL41T	4A/3	6/74	6/74		1980	P	L	L	L	L
	Wilmington, DE	WLMGDEWL41T	4A/3	3/75	3/75	6/78	1983	P,T	C	C	C	C
C&P	Baltimore 2, MD	BLTMMDDT02T	4A/2	8/50	5/76		1980	P,T	C	C	C	C
	Richmond 1, VA	RCMDVAGR01T	4A/2	6/54	3/76		1981	P,C,T,S	C	C	C	C
	Charleston 1, WV	CHTNWVLE24T	4A/2TO	3/61			1982	C	C	C	C	C
	Washington 3, DC	WASHDCSW04T	4A/2	3/67	5/71	8/77	1980	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
	Baltimore 9, MD	BLTMDCH09T	4A/3	5/74	5/74		1980	P,T	C	C	C	C
	Roanoke 2, VA	RONKVALK02T	4A/3	5/75	5/75	11/78	1990	P,C,RTA	C	C	C	C
SO	Charlotte 1, NC	CHRLNCCA01T	4A/2	11/54	4/72		1980	P,C,T	L	L	L	L
	Miami 2, FL	MIAMFTL02T	4A/4	11/57			1981	T	L	L	L	L
	Columbia 1, SC	CLMASCTL01T	4A/2	4/59	3/75		1981	P,C,T	L	L	L	L
	Rockdale, GA	RCDLGATL41T		6/60	6/70		1980	P,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/2	11/62	9/73		1981	P,C,T	L	L	L	L
	Raleigh, NC	RLGHNCMO03T	4A/3	8/71	8/71	1/79	1984	P,C,T	C	C	C	C
	Columbus 1, GA	CLMBGAMT42T	4A/4	11/71	11/71		1982	P,CC,T	C	C	C	C
	Florence, SC	FLRNSCMA02T	4A/3	4/72	4/72		1982	P,C	C	C	C	C
	Atlanta 3, GA	ATLNGANW43T	4A/4	1/73	1/73		1982	P,T	L	L	L	L
	Pensacola, FL	PNSCFBLB03T	4A/4	5/73	5/73	9/78	1985	P,T	C	C	C	C
	Gainesville 2, FL	GSVLFLAN03T	4A/3	8/74	8/74		1984	P,CC,RTA	C	C	C	C
	Gastonia, NC	GSTANCSO02T	4A/3TO	4/75	4/75		1980	P,C	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	GNVLSCTL01T	4A/3	6/75	6/75		1982	P,C,T	C	C	C	C
West Palm Beach 3, FL	WPBHFLAN03T	4A/3	9/75	9/75		1981	P,T	L	L	L	L	

Chart 5

NO. 4 CROSSBAR OFFICES IN SERVICE – END OF 1979

CO.	LOCATION	CLLI	TYPE/ CLASS ¹	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES ²	MACHINE ³ RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
SOCN	New Orleans 1, LA	NWORLAMA01T	4A/2	3/53	1/74	4/77	1980	P,T	L	L	L	L
	Memphis 1, TN	MMPHTNMA41T	4A/2	10/56	4/72		1981	P,CC,T	L	L	L	L
	Birmingham 1, AL	BRHMALMT56T	4A/2	8/57	5/74		1981	P,CC,T,S	L	L	L	L
	Louisville 1, KY	LSVLKYCS04T	4A/2	11/57	4/72		1980	P,CC,T	L	L	L	L
	Jackson 2, MS	JCSNMSPS04T	4A/2	6/59	3/74	4/77	1983	P,CC,T	L	L	L	L
	Knoxville 1, TN	KNVLTNMA41T	4A/3	2/61			1981	CC,T	C	C	C	C
	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	SHPTLATL02T	4A/3	4/74	4/74	12/77	1990	P,CC,T	C	C	C	C
OHIO	Cleveland 1	CLEVOH6201T	4M/3	6/49			1980	C,T	L	L	L	L
	Toledo 1	TOLDOH2101T	4A/3	8/61	4/73	4/77	1984	P,C,T	L	L	L	L
	Dayton	DYTNOH1501T	4A/3	11/63	12/75	6/78	1986	P,C,T	C	C	C	C
	Akron 2	AKRNOH2502T	4A/3	11/73	11/73	4/79	1984	P,T	C	C	C	C
	Youngstown 2	YNTWOH0202T	4A/3	4/75	4/75		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/2	4/69	4/69	8/77	1985	P,T	L	L	C	C
	Plymouth 1	PLMOMIFA40T	4A/3	7/69	7/69	6/77	1987	P,C,T	C	C	C	C
	Pontiac 2	PNTCMIMN40T	4A/3	6/72	6/72	10/78	1983	P,C,T	C	C	C	C
	Detroit 2	DTRTMIBH40T	4A/4	3/74	3/74		1981	P,T	C	C	C	C
	Kalamazoo 2	KLMZMIFA40T	4A/3	6/74	6/74	9/79	1985	P,RTA	C	C	C	C
	Saginaw 2	SGNWMIFA40T	4A/3	12/74	12/74		1991	P,T	C	C	C	C
	Lansing 2	LNNGMIMN40T	4A/3	6/75	6/75	8/79	1989	P,RTA	C	C	C	C
IND	Indianapolis 1	IPLSIN0104T	4A/2	5/50	6/73		1980	P,C,T,S	L	L	L	L
	South Bend 1	SBNDIN0504T	4A/2	4/70	4/70	6/78	1985	P,T	L	L	L	L
	Bloomington 1	BLTNIN0104T	4A/2	8/70	8/70	11/79	1988	P,T	C	C	C	C
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

10

Chart 5

NO. 4 CROSSBAR OFFICES IN SERVICE – END OF 1979

CO.	LOCATION	CLLI	TYPE/ CLASS ¹	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES ²	MACHINE ³ RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
ILL	Springfield 1	SPFDILSF41T	4A/2	9/60	9/74	11/77	-	C,P,RTA	L	L	L	L
	Norway 1	NRWYILN041T	4A/1	12/62	12/75	4/77	1983	P	L	L	L	L
	Oak Brook 1	OKBRILOA41T	4A/4	8/72	8/72	7/77	1981	P,T	L	L	L	L
	Champaign Urbana 1	CHMPILRA41T	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	1988	P,C,T	L	L	L	L
NW	Minneapolis 1, MN	MPLSMNDT04T	4A/2	2/51	6/71		1980	C,T	L	L	L	L
	Des Moines, IA	DESMIADT04T	4A/2	6/57	10/70	4/79	1981	P,CC,T	L	L	L	L
	St. Paul 2, MN	STPLMNMK04T	4A/3	11/71	11/71		1980	C,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	LTRKARF 14T	4A/3	5/54	6/74		1981	P,C,T	L	L	L	L
	St. Louis 1, MO	STLSMO0914T	4A/1	4/55	2/69		1980	P,T	L	L	L	L
	Tulsa 1, OK	TULSOKTB14T	4A/3	4/57	4/73		1980	C,T	C	C	C	C
	Wichita, KS	WCHTKSBR14T	4A/3	10/57	6/75		1981	C,T	C	C	C	C
	Dallas, TX	DLLSTXTA02T	4A/Lc1	2/70	2/70		-		C	C	C	C
	St. Louis 2, MO	STLSMO0924T	4A/3	4/70	4/70		1980	P,T,S	L	L	L	L
	Mission, KS	MSSNKSFRO4T	4A/3TO	4/72	4/72		1980	C	C	C	C	C
	Longview 1, TX	LGVWXTL14T	4A/3	4/73	4/73		1983	C,T	C	C	C	C
	Corpus Christi 1, TX	CRCHTXTU04T	4A/3	10/73	10/73	3/79	1983	P,C,T	C	C	C	C
	Austin 1, TX	AUSTTXGR04T	4A/3	5/74	5/74	3/79	1982	P,C,T	C	C	C	C
MTN	Denver 1, CO	DNVRCOMA01T	4A/2	11/54	12/70		1980	P,C,T	L	L	L	L
	Salt Lake City 1, UT	SLKCUTMA01T	4A/2	5/58	7/73	8/78	1982	P,C,T	L	L	L	L
	Phoenix 1, AZ	PHNXAZMA01T	4A/2	12/66	12/73		1980	P,C,T	L	L	L	L
	Pueblo 1, CO	PUBLICOMA01T	4A/3	4/69	4/69		1982	P,C	C	C	C	C
	Colorado Springs 1, CO	CLSPCOMA01T	4A/4	5/71	5/71		1981	P,T	L	L	L	L
	Denver 3, CO	DNVRCOMA03T	4A/1	6/72	6/72		1980	P,T,S,I	L	L	L	L
	Tucson 2, AZ	TCSNAZMA02T	4A/3TO	4/74	4/74	5/78	1983	P,C	L	L	L	L
	Boise 2, ID	BOISIDMA02T	4A/3TO	3/75	3/75	7/78	1987	P,C	C	C	C	C
	Greeley 1, CO	GRELCOJC01T	4A/3TO	4/75	4/75		1982	P,C	C	C	C	C
	Mesa 1, AZ	MESAAZTL01T	4A/4TO	1/76	1/76		1980	P,C	L	L	L	L

NO. 4 CROSSBAR OFFICES IN SERVICE – END OF 1979

CO.	LOCATION	CLLI	TYPE/ CLASS ¹	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES ²	MACHINE ³ RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
PNB	Portland 1, OR	PTLDOR6201T	4A/2	11/55	3/75		1981	P,C,T	C	C	C	C
	Seattle 1, WA	STTLWA0101T	4A/2	1/59	1/72	7/78	1982	P,C,T	C	C	C	C
	Spokane, WA	SPKNWA0101T	4A/3	4/62			1982	C	C	C	C	C
	Seattle 2, WA	STTLWA0602T	4A/3	4/74	4/74	6/77	1980	P,C,T	C	C	C	C
PAC	Oakland 3 (Franklin)	OKLDCA0341T	4M/2	10/49	2/72		1981	P,T,S,I	C	C	C	C
	Sacramento 1	SCRMCA0121T	4A/1	6/53	3/75		1980	P,S	C	C	C	C
	Los Angeles 2	LSANCA0201T	4A/2	5/54	4/72		1980	P,S	C	C	C	C
	San Bernardino	SNBRCA0133T	4A/1	10/57	1/74	8/77	1983	P,RTA	C	C	L	L
	San Jose 1	SNJSCA0203T	4A/2	6/58	3/73		1982	P	C	C	C	C
	Los Angeles 3	LSANCA0307T	4A/3	3/62	9/69	1/78	1984	P,T	C	C	C	C
	Anaheim 1	ANHMCA0128T	4A/2	12/64	4/72		1981	P,T,S	C	C	C	C
	San Francisco 1	SNFCCA0141T	4A/3	6/69	1/72	9/77	1980	P,C,T	C	C	C	C
	Redwood City	RDCYCA0242T	4A/3	2/70	2/70	7/77	1985	P,T	C	C	C	C
	Sherman Oaks 2	SHOKCA0263T	4A/3	4/71	4/71	1/78	1984	P,T	C	C	C	C
	Fresno 2	FRSNCA0144T	4A/3	6/72	6/72	2/79	1985	P,C	C	C	C	C
	Hayward	HYWRCA0246T	4A/3	3/73	3/73	3/79	1983	P,C	C	C	C	C
	Gardena 1	GRDNCA0221T	4A/3	5/73	5/73	11/77	1983	P	C	C	C	C
	Reno 3, NV	RENONV0304T	4A/2	5/73	5/73	4/79	1982	P,T	C	C	C	C
	Oakland 5 (Franklin)	OKLDCA0342T	4A/3	6/73	6/73	4/77	1981	P,C,T	C	C	C	C
	San Francisco 2 (Folsom)	SNFCCA2142T	4A/4	3/74	3/74	3/77	1980	P,C	C	C	C	C
	Stockton 2	SKTNCA0110T	4A/2	4/74	4/74	5/79	1984	P,T	C	C	C	C
	Anaheim 2	ANHMCA0177T	4A/4	5/74	5/74	2/77	1981	P,T	C	C	C	C
	Sherman Oaks 3	SHOKCA0373T	4A/4	6/74	6/74	5/77	1984	P,T	C	C	C	C
	Santa Clara	SNTCCA0120T	4A/Lc1	2/75	2/75		1985	P	C	C	C	C
Gardena 2	GRDNCA0231T	4A/4	5/75	5/75	2/77	1982	P,T	C	C	C	C	
Santa Rosa 2	SNRSCA0236T	4A/2	5/75	5/75	6/79	1984	P	C	C	C	C	

NO. 4 CROSSBAR OFFICES IN SERVICE – END OF 1979

CO.	LOCATION	CLLI	TYPE/ CLASS 1	SERVICE DATE			RETIRE- MENT DATE	FEA- TURES 2	MACHINE 3 RESPONSIBILITY			
				OFFICE	ETS	CCIS			T	E	A	M
SNE	New Haven 4	NWHNCT0203T	4A/2	5/68	5/70	4/77	1982	P,T	L	L	L	L
	Hartford 3	HRFRCT0304T	4A/3	10/73	10/73	4/77	1984	P,CC,T	L	L	L	L
	Bridgeport 4	BRPTCT0403T	4A/3	4/75	4/75	7/78	1984	P,CC,T	L	L	L	L
<u>NON- BELL</u>	Ft. Wayne, IN	FTWYINXA04T	4A/4T	6/69			1980	C				
	Tampa 2, FL	TAMPFLXA02T	4A/3	8/69	2/74		1981	C,T				
	St. Petersburg, FL	SPBGFLXA02T	4A/4	11/71	11/71		1983					
	Everett 1, WA	EVRTWAXA01T	4A/3	4/72	4/72		1981	C				
	Fayetteville, NC	FYVLNCXA02T	4A/3	5/72	5/72			C				
	Clearwater, FL	CLWRFLXA02T	4A/4	11/72	11/72		1982	C				
	Las Vegas 1, NV	LSVGNVXB04T	4A/4	11/72	11/72			C				
	Rocky Mount 2, NC	RCMTNCXA02T	4A/3	4/74	4/74		1982	P				
	Sarasota 3, FL	SRSTFLXF01T	4A/4	10/74	10/74		1984	P				
	Tampa 3, FL	TAMPFLXA03T	4A/4	10/75	10/75		1981	T				
TCTS	Toronto 1, ON	TOROON0101T	4A/2	6/55			1983	C,T				
	Montreal 1, PQ	MTRLPQ0201T	4A/1	5/56	7/72		1984	C,T				
	Winnipeg 1, MB	WNPGB0101T	4A/2	2/65				C,T				
	Halifax 1, NS	HLFXNS0101T	4A/3	4/71				C				
	Vancouver 2, BC	VANCBC0104T	4A/2	4/71	4/71			C,T				
	Edmonton 1, AB	EDTNAB0201T	4A/3	3/72	3/72		1982	C,T				
	Toronto 3, ON	TOROON1103T	4A/3	11/72	11/72			C,T				
	Ottawa 2, ON	OTWAON1002T	4A/3	4/73	4/73			C				
<u>STP's</u> <u>STAND</u> <u>ALONE</u>	Albuquerque, NM	ALBQNMAMSP	SPC-1A			11/77			L	L	L	L
	Atlanta, GA	ATLNGATLMSP	SPC-1A			12/76			L	L	L	L
	Columbus, OH	CLMBOH1MSP	SPC-1A			4/79			L	L	L	L
	Dallas, TX	DLLSTXTLMSP	SPC-1A			12/79			L	L	L	L
	Kansas City, MO	KSCYMO09MSP	SPC-1A			7/76			L	L	L	L
	Oklahoma City, OK	OKCYOKCEMSP	SPC-1A			12/76			L	L	L	L
	Omaha, NE	OMAHNENWMSP	SPC-1A			5/76			L	L	L	L
	Wayne, PA	WAYNPALAMSP	SPC-1A			8/77			L	L	L	L

13

Chart 5

CROSSBAR TANDEM IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANSLATION
NE	Providence, 2, RI (*)	PRVDRIWA02T	1/48	4A		1985	
	Boston (Metro), MA	BSTNMAFR03T	6/49	4A	T, TSP	1982	
	Boston (Newton), MA	NWTNMAWA04T	6/55	4A		1982	X
	Providence 1, RI (*)	PRVDRIWA01T	9/56	4A	CC	1985	X
	Boston 8, MA	BSTNMAFR08T	/57	4A	C	1981	
	Worcester, MA	WRCSMA01T	11/59	4A	C	1985	X
	Lawrence, MA	LWRNMAC001T	11/60	4A	C	1985	X
	Portland, ME	PTLDMEF001T	4/62	4A	C	1987	X
	Brockton 1, MA	BRTNMACRO1T	6/63	4A	C	1983	X
	Manchester 1, NH (#)	MNCHNHCO01T	6/63	3	C	1982	X
	Boston (Dorchester), MA	DRCHMAAD10T	1/64	4A	C	1982	X
	Fall River, MA	FLRVMANM01T	5/64	3	C	1984	X
	Framingham 1, MA	FRMMAUNO1T	1/65	4A	C, T	1984	X
	Boston (Harrison), MA	BSTNMAHA15T	6/65	4A	C, TSP	1982	X
	Boston (Malden), MA	MLDNMAEL13T	12/67	4A		1982	X
	Bangor, ME	BNGRMEPA01T	10/69	4	C, RTA	1983	X
	Lewiston 2, ME	LSTNMEAS02T	6/72	4	C, RTA	1982	X
	Boston 17, MA	BSTNMAFR17T	10/72	3A	C	1981	X
	Manchester 2, NH (#)	MNCHNHCO02T	5/73	3A		1982	X
NY	Jamaica	NYCQNYJA01T	8/47	Lcl.		1981	
	York 1 (#)	NYCMNY3001T	11/47	Lcl.		1993	
	Gotham 8 (#)	NYCMNY1304T	6/48	4A		1992	
	Amsterdam 1 (#)	NYCMNY3701T	8/48	Lcl.		1988	
	Brooklyn	NYCKNYAL03T	9/48	4A/TO		1995	
	Buffalo Erie	BFLONYFR01T	10/48	4A		1983	
	Vesey 1 (*)	NYCMNYWS01T	10/49	3A/TO		1995	X
	Mt. Vernon 1 (#)	MTVRNYMV01T	10/49	4		1984	
	White Plains 1	WHP LNYWP01T	3/50	4A		1983	
	Gotham 9 (#)	NYCMNY1305T	6/50	4A		1992	
	Hempstead 1 (*)	HMPSNYHS01T	7/50	4A		1984	X
	Vesey 2 (*)	NYCMNYWS02T	9/50	4A/TO		1982	X
	York 2 (#)	NYCMNY3002T	10/51	Lcl.		1993	
	Borough 3 (*)	NYCMNY5001T	10/52	3A		1986	
	Richmond Hill 1 (*)	NYCQNYRH01T	3/54	4A		1994	
	Vesey 3 (*)	NYCMNYWS03T	9/54	4A/TO	C	1985	
	Borough 4 (*)	NYCMNY5002T	4/55	3A		1986	
	Richmond Hill 2 (*)	NYCQNYRH02T	7/56	4A		1994	
	Poughkeepsie	PCHKNYSH03T	11/56	3	C	1980	X

CROSSBAR TANDEM IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANSLATION
NY	Hempstead 2 (*)	HMPSNYHS02T	6/57	3A		1984	X
	Mt. Kisco	MTKSNYMK01T	3/58	4	C	1985	X
	Nyack	NYACNYNK01T	5/59	4	C	1985	X
	Binghamton 1 (*)	BNGHNYHY03T	6/59	3/TO	C	1982	X
	West St. 4 (*)	NYCMNYWS04T	9/59	4A	C	1981	
	Amsterdam 2 (#)	NYCMNY3702T	11/59	4A		1988	X
	Albany 1	ALBYNYSS03T	12/61	4A	C,T	1982	X
	Bronx 1 (*)	NYCXNYGC01T	12/61	3A	C	1981	X
	Buffalo Frontier	BFLONYFR02T	9/62	4A		1983	
	Midtown 1 (#)	NYCMNY3703T	9/62	4A		1992	X
	Tremont 1 (*)	NYCXNYGC03T	7/63	4A		1995	X
	Bushwick 1 (#)	NYCKNYBU01T	9/63	4A		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		1996	X
	Forest Hills 2	NYCQNYFH02T	3/64	3A	C,TSP	1980	X
	Kings 1 (*)	NYCKNYBR01T	8/64	4A		1994	X
	Midtown 2 (#)	NYCMNY3704T	9/64	4A		1992	X
	Monticello 1	MNTINYMT01T	3/65	4	C,TSP	1991	X
	Queens 1 (#)	NYCQYNJ01T	8/65	4A		1993	X
	Tenth Ave. 2 (#)	NYCMNY5402T	8/65	3A	C,TSP	1982	X
	Deer Park 1	DRPKNYDP01T	11/65	4A		1995	X
	Albermarle Rd. 2	NYCKNYAL02T	11/66	3A	C,TSP	1983	X
	Staten Island	NYCRNYNS01T	1/67	4A		1982	X
	Bushwick 2 (#)	NYCKNYBU02T	3/67	4A		1994	X
	Tenth Ave. 3 (#)	NYCMNY5403T	10/67	3A	C,TSP	1982	X
	Lexington	NYCMNY5601T	6/68	4A		1988	X
	Kings 2 (*)	NYCKNYBR02T	11/68	4A		1994	X
	Mt. Vernon 2 (#)	MTVRNYMV02T	12/68	4A		1984	X
	Chelsea 1 (*)	NYCMNY1801T	8/69	4A		1992	X
	Chelsea 2 (*)	NYCMNY1802T	8/69	4A		1992	X
	Deer Park 2	DRPKNYDP02T	7/71	4A		1995	
	E. 97th St. 4 DID	MYCMNY9702T	7/71	4A		1986	X
	Bronx 2 (*)	NYCXNYGC02T	12/71	3A	C,TSP	1983	X
	Queens 2 (#)	NYCQYNJ02T	12/71	4A		1993	X
	Tremont 2 (*)	NYCXNYGC04T	12/71	4A		1995	X
	Binghamton 2 (*)	BNGHNYHY04T	10/72	3A/TO	C	1983	X
	West St. 6 (*)	NYCMNYWS06T	10/72	4A	C,T	1983	X
	East 97th St. 5	NYCMNY9725T	9/74	Lcl.		1986	

CROSSBAR TANDEM IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANS-LATION
NJ	Newark (Jersey 1) (*)	NWRKNJ0203T	10/47	4A/TO		1983	
	Paterson	PTSNNJAR01T	7/50	4A/TO	C	1983	X
	Newark (Jersey 2) (*)	NWRKNJ0204T	11/52	4A/TO	C	1983	
	Camden	CMDNNJCM01T	3/53	4A	C, TSP	1980	X
	Hackensack	HCKNNJHK01T	6/53	4A/TO		1983	X
	Jersey City (Bergen)	JRCYNJBR01T	1/55	4A/TO	C	1984	
	Morristown	MRTWNJMR01T	1/55	4	C, T	1984	X
	Trenton	TRENNJTN01T	3/57	4	C	1985	X
	New Brunswick 1	NBWKNJNB01T	6/57	4A/TO	C	1983	X
	Irvington (Essex 1) (#)	IVTNNJES01T	11/57	3A/TO		1982	
	Irvington (Essex 2) (#)	IVTNNJES02T	3/61	3A	C	1980	X
	Atlantic City	ATCYNJAC01T	4/61	3/TO	C	1985	X
	Asbury Park	ASPKNJAP01T	2/66	4A/TO		1982	X
	PA	Philadelphia (East A) (#)	PHLAPAMK21T	3/53	4A/*	C, T	1980
Pittsburgh (Tandem A) (#)		PITBPADT21T	4/55	4A		Lcl. '80	R. '82
Philadelphia (North A) (*)		PHLAPADA21T	8/55	4A/TO	C	1981	
Pittsburgh (Tandem B) (#)		PITBPADT22T	8/57	4A	C	1982	X
Altoona		ALNAPAAL21T	11/57	3	C, T	1982	X
Tullytown		TULYPATU21T	3/59	4	C	1983	X
Reading		RDNGPARE21T	11/59	4/TO	C	1981	X
Philadelphia (East B) (#)		PHLAPAMK22T	6/60	4A/TO	C	1981	X
Williamsport		WLPTPAWI21T	5/61	3/TO	C	1985	X
Allentown (Lehigh Co.)		ALTWPAAL21T	10/61	4/TO	C	1981	X
Lancaster		LNCSPALA21T	5/62	4	C	1983	X
Wilkes-Barre		WLBPAWB21T	11/62	4/TO	C	--	X
Philadelphia (North B) (*)		PHLAPADA22T	10/64	4A/*	C, TSP	1980	X

CROSSBAR TANDEMS IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANS-LATION
C&P	Baltimore 3 MD	BLTMDDT03T	10/48	4A	C	1985	X
	Washington 2, DC (Uptown)	WASHDCUT02T	1/49	4A	C	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	C	1981	X
	Baltimore 6, MD	CTVLMDC06T	1/63	Lcl.		1985	
	Silver Spring, MD (Toll)	SLSPMDSS01T	5/64	4/TO	C	1983	X
	Clarksburg, WV	CLBGWMA23T	10/64	3/*	C,RTA	1980	X
	Washington, DC (Dupont)	WASHDCDP10T	11/64	Lcl.		1986	
	Arlington 1, VA (Toll)	ARTNVAAR02T	3/66	4A		1982	X
	Washington, DC (Mt. Pleasant)	WASHDCUT10T	10/66	Lcl.		1985	
	Baltimore 7, MD	BLTMMDWLO7T	12/67	Lcl.		1985	X
	Washington, DC (Southwest)	WASHDCSW10T	/68	4A		1988	
SO	Miami 3, FL	MIAMFLLR34T	9/59	Lcl.		1980	X
	Atlanta 2, GA	ATLNGATL53T	10/60	Lcl.	C	1981	X
	Charleston, SC	CHTNSCDT02T	4/66	4	C,T	1980	X
	Asheville 1, NC	AHVLNCOH01T	6/66	3	C	1980	X
	West Palm Beach, FL	WPBHFLAN01T	11/66	4A	C	1981	X
	Miami-Biscayne, FL	MIAMFLBC31T	7/72	Lcl.		1980	
SOCN	New Orleans 2, LA	NWORLABM01T	12/62	4A/TO	CC	1980	X
OHIO	Cleveland (Henderson 1) (#)	CLEVOH4301T	4/48	Lcl.		-	
	Cleveland (Garfield)	CLEVOH4201T	2/55	4A	C	1981	X
	Youngstown 1	YNTWOH0201T	8/56	4	CC	1988	X
	Akron 1	AKRNOH2501T	11/57	4	CC	1984	X
	Columbus 1	CLMBOH1101T	7/58	4A	CC	1984	
	Cleveland (Clearwater 1) (*)	CLEVOH2501T	1/59	4A	C	1981	X
	Canton	CNTNOH0101T	6/60	3	C	1984	X
	Cleveland (Henderson 2) (#)	CLEVOH4302T	9/66	Lcl.		-	
	Cleveland (Clearwater 2) (*)	CLEVOH2502T	7/69	Lcl.		-	

17

Chart 6

CROSSBAR TANDEM IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANS-LATION
MICH	Detroit (Trinity)	DTRTMI MD01T	10/41	Lcl.		1982	
	Detroit (Woodward) (*)	DTRTMIBA21T	12/53	4A	CC	1982	X
	Grand Rapids 2	GDRPMIBL01T	4/57	4	CC	1985	X
	Flint	FLNTMIMN01T	6/57	4	C	1983	X
	Pontiac	PNTCMIMN01T	4/58	4A		1983	X
	Detroit (Cadillac) (*)	DTRTMIBA11T	7/58	4A	CC	1982	X
	Detroit (University)	DTRTMIUV01T	6/59	4A		1982	X
	Saginaw 1	SGNWMIMN01T	6/61	4	CC	1991	X
	Lansing 1	LNNGMIMN01T	8/64	4	CC	1989	X
	Kalamazoo 1	KLMZMIMN01T	11/65	4	CC	1985	X
	Jackson	JCSNMIMN01T	7/67	3	CC	1984	X
	Traverse City	TRCYMIMN01T	6/73	4		1984	X
IND	South Bend 2	SBNDIN0101T	8/56	3A	C,T	1985	X
	Evansville	EVVLIN0101T	10/58	3	C,RTA	1985	X
	Indianapolis	IPLSIN0101T	10/70	Lcl.		1980	X
WISC	Milwaukee 2	MILWWI4801T	11/48	4/TO	CC	1981	X
	Appleton 1	APPLWI0101T	5/62	3	CC,RTA	-	X
	Madison 1	MDSNWI0101T	5/63	4/TO	CC	1984	X
	Milwaukee (Fairway Dr.)	MILWWI4510T	11/65	Lcl.		1982	
ILL	Chicago (Wabash 1) (#)	CHCGILWB01T	9/46	Lcl.		1982	
	Chicago (Stewart 1) (*)	CHCGILST01T	11/52	4A		1984	
	Chicago (Belle Plaine 1) (#)	CHCGILBP01T	8/54	4A		1981	
	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 Urbana 2	CHMPILCP01T	6/59	4A	C	1984	X
	Chicago (Wabash 2) (#)	CHCGILWB02T	5/61	4A		1980	
	Centralia	CENLILCE01T	7/61	3	C,RTA	1980	X
	Peoria 1	PEORILPJ01T	9/61	4A	C	1983	X
	Chicago (Belle Plaine 2) (#)	CHCGILBP02T	12/61	Lcl.		1981	
	Chicago (Congress WATS)	CHCGILCG01T	9/62	5		1980	
	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	1991	X
	Rock Island 2	RCISILRI01T	10/73	4	C,RTA	1983	X

CROSSBAR TANDEMS IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANS-LATION
NW	Sioux City, IA	SXCYIADT03T	6/60	3	CC, TSP	1982	X
	Waterloo, IA	WRLIADT03T	6/61	4	CC, RTA	1981	X
	Omaha, NE	OMAHNENW13T	2/69	Lcl.		1982	
	Rapid City, SD	RPCYSDC003T	3/70	4	C, RTA	1985	X
	Bismarck 1, ND	BSMRNDB C04T	4/70	3	CC	1982	X
	Grand Forks, ND	GDFRNDB C04T	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	1983	X
Sweetwater, TX		SWTWTXSW01T	3/57	2/TO		1984	X
St. Louis, MO (Jefferson 2) (#)		STLSMO0521T	4/61	4A/TO	C	1980	X
Joplin, MO		JPLNMOMA01T	6/62	3	C, RTA	1982	X
Springfield, MO		SPFDMOTL01T	12/64	4	C, T	1982	X
Beaumont 1, TX		BUMITXTE01T	5/66	3	C, TSP	1980	X
Waco, TX		WACOTX0101T	12/67	3	C, RTA	1981	X
Sikeston, MO		SKSTMOGR01T	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
MFN		El Paso 1, TX	ELPSTXMA01T	9/62	4	C, RTA	1982
	Grand Junction, CO	GDJTCOMA01T	3/68	3/TO		1980	X
	Twin Falls, ID	TWFLIDMA01T	8/74	4/TO	C	1987	X
PNB	Seattle 3, WA (Mutual)	STTLWA0103T	4/48	3A		Lcl. '82	
	Seattle, WA (East)	STTLWA0350T	9/54	Lcl.		1985	
	Yakima, WA	YAKMWA0201T	8/58	3	C	1985	X
	Seattle, WA (Emerson)	STTLWA0451T	10/58	Lcl.		1985	
	Tacoma, WA	TACMWA0201T	5/64	3	C	1984	X
	Eugene, OR	EUGNOR5301T	6/65	3	C	1983	X

CROSSBAR TANDEM IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANS-LATION
PAC	San Francisco (Bush 0) (*)	SNFCCA0300T	12/41	Lcl.		1980	X
	Oakland 1	OKLDCA0100T	1/42	Lcl.		1981	
	Los Angeles 5T	LSANCA0105T	1/48	Lcl.		1982	
	Los Angeles 17T (*)	LSANCA0517T	6/49	Lcl.		1982	
	San Francisco (Bush 1) (*)	SNFCCA0301T	6/49	Lcl.		1980	X
	Hollywood 3T (#)	HLWDCA0103T	1/50	Lcl.		1983	
	San Jose 2	SNJSCA0212T	3/52	3A	C	1982	X
	Oakland 4 (Franklin 0) (#)	OKLDCA0300T	7/54	Lcl.	C	1981	X
	Los Angeles, 6T	LSANCA0206T	8/55	Lcl.		1982	
	San Francisco (Onon 0) (#)	SNFCCA0600T	1/56	Lcl.		1980	X
	San Francisco 6 (Onon 1) (#)	SNFCCA0601T	1/56	4A	C	1980	X
	Fresno 1	FRSNCA0126T	10/56	4A	C	1985	X
	Anaheim	ANHMCA0134T	6/57	3A	C,T	1981	X
	Santa Rosa	SNRSCA0129T	6/57	3A	C	1984	X
	Stockton 1	SKTNCA0128T	8/57	3A	C	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	C	1982	X
	Palo Alto	PLALCA0216T	7/60	4A	C	1985	X
	Oakland 1 (Franklin 1) (#)	OKLDCA0301T	5/62	4A	C	1981	X
	Modesto	MDSTCA0233T	6/62	3	C	1981	X
	San Rafael	SNRFCA0100T	9/62	4	C	1983	X
	Oceanside	OCSDCA0127T	5/63	4	C	1983	X
	Salinas	SLNSCA0111T	4/64	3	CC	1981	X
	Concord	CNCRCA0100T	5/67	4	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	C	1983	X

CROSSBAR TANDEMS IN SERVICE-END OF 1979

CO.	LOCATION ⁵	CLLI	SERVICE DATE	CLASS ¹	FEA-TURES ²	RETIREMENT DATE	6-DIGIT TRANSLATION
SNE	Hartford 1	HRFRCT0201T	6/56	4A	CC	1983	X
	Stamford	SMFRCT0101T	9/56	4A	CC	1980	X
	New Haven 2	NWHNCT0201T	4/57	4A	CC	1983	X
	Waterbury	WRBCT0002T	11/57	4	CC	1988	X
	Meriden	MRDNCT0002T	10/58	4A	CC	1984	X
	Bridgeport 2	BRPTCT0202T	3/59	4A	CC,T	1981	X
	New London	NWLNCT0201T	5/62	4A	CC	1985	X
	Hartford 2	HRFRCT0202T	8/65	4A	CC,T	1981	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)	MDTWNXYA02T	/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		
	Bloomington, IL (XPT)	BLTNILXD01T		4/TO			
	De Kalb, IL	DKLBILXA01T		4		1982	
TCTS	Regina 1, SK	REGNSK0101T	11/55	2	C	1982	X
	Toronto 2, ON	TOROON0202T	8/58	4	C	1983	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		X
	Hamilton 1, ON	HMTNON1401T	2/61	4	C		X
	Saint John 1, NB	STJHNB SU01T	5/62	3	C		X
	Windsor, ON	WNDSON1201T	5/62	4	C		X
	Ottawa 1, ON	OTWAON2301T	5/63	4	C		X
	Quebec 1, PQ	QUBCPQ1401T	9/63	4	C	1984	X
	Barrie, ON	BARI ON1801T	5/64	4	C	1982	X
	Kitchener 1, ON	KTNRON0601T	9/64	3	C		X
	Sudbury, ON	SDBRON9701T	12/64	3	C		X
	Sherbrooke, PQ	SHBKPQ4001T	3/66	3	C		X
Prince George, BC (XPT)	PGRGBC0102T	5/73	3	C	1982	X	

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1979

CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE	CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE
NE	Ayer, MA	AYERMAPL01T	4	C	'84	NY	Southampton	SATNNYSN01T	4A		'95
	Falmouth, MA	FLMOMAMG01T	4		CL5 '84		Watertown	WTTWNYUN01T	4	C	'81
	Gardner, MA	GRNRMAWE01T	4	C	CL5 '85	NJ	Burlington	BURLNJBU01T	4		'80
	Hyannis, MA	HYNSMAOC01T	4A	C	CL5 '84		Freehold	FRHONJFH01T	4A	C	'80
	Milford, MA	MLFRMAWA01T	4		CL5 '84		Mt. Holly	MTHLNJMH01T	4	C	'85
	Northampton, MA	NATNMAMA01T	4		CL5 '82		Penns Grove	PGRVNJPG01T	4A	C	'80
	Pittsfield 1, MA	PTFDMAFE02T	4	C	CL5 '82		Washington	WASHNJWA01T	4	C	
	Plymouth, MA	PLMOMACO01T	4		CL5 '83	PA	Bloomsburg	BMBGPABL51T	4	C, RTA	'85
	Salem, MA	SALMMANO01T	4	C	CL5 '82		Clarion	CLARPACL51T	4	C	'85
	Walpole, MA	WLPLMASS01T	4A	C	CL5 '84		Connellsville	CNVLPACO51T	4		'85
	Wareham, MA	WAHMAHI01T	4		CL5 '84		Lansdale	LNDLPALD51T	4	C	'83
	Dover, NH	DOVRNHTH01T	4	C, RTA	CL5 '87		Pottsville	PTTVPAP051T	4	C, RTA	'83
	Keene, NH	KEENNHWA01T	4	C, RTA	'83		Rochester	ROCHPARC51T	4	C	'82
	Laconia, NH	LACNNHNM01T	4	C, RTA	'87		Sharon	SHRNPAW51T	4	C	'80
	Portsmouth, NH	PTMONHIS01T	4		'82		Stroudsburg	SRBGPAST51T	4	C	'90
	Newport, RI	NWPTRIBU01T	4		'85		Warren	WRRNPAWA51T	3	C	'84
	Woonsocket, RI	WNSCRI CL01T	4		'85		Warrington	WGTNPAWR51T	4	C	CL5 '82
NY	Batavia	BATVNYBT01T	4	C	'84	C&P	Washington	WASHPAWA51T	4		'81
	Catskill	CTSKNYCT01T	4	C	'82		West Chester	WCHSPAWC51T	3	C	'81
	Dunkirk	DNKRNYDK01T	4	C	'85		Dover, DE	DOVRDEDV51T	4	C	'82
	Geneva	GENVNYGN01T	4	C	'83		Annapolis, MD	ANNPMDAN01T	4	C	'81
	Herkimer	HRKMNYHC01T	4	C	'84		Bel Air, MD	BLARMDBL01T	4	C	'83
	Hornell	HRNLNYHL01T	4	C	'88		Chestertown, MD	CHRTMDCH01T	4	C	'87
	Ithaca	ITHCNYIH01T	4	C	'84		Cumberland, MD	CMLDMDCM01T	4	C	'89
	Kingston	KGTNNYKG01T	4	C	'80		Easton, MD	ESTNMDES01T	4	C	'86
	Malone	MALNNYMM01T	4		'84		Frederick, MD	FRDRMDFR01T	4	C	'88
	Newark	NWRKNYNK01T	4	C	'85		Hagerstown, MD	HGTWMDHG01T	4	C	'84
	Newburgh	NWBRNYNW01T	4	C	'80		Havre de Grace, MD	HDCRMDHV01T	4	C	'90
	Ogdensburg	OGBGNYOG01T	4		'90	La Plata, MD	LPLTMDLA01T	4	C	'99	
	Olean	OLENNYHA01T	4	C	'80	Westminster, MD	WMNSMDWM01T	4	C	'90	
	Oneida	ONEDNYOD01T	4	C	'84	Culpeper, VA	CLPPVACU01T	4	C	'03	
	Oneonta	ONNTNYOA01T	4	C	'85	Danville, VA	DAVLVADA01T	4	C, RTA	'83	
	Oswego	OSWGNYO501T	4	C	'84	Leesburg, VA	LSBGVALB01T	4	C	'83	
	Plattsburgh	PLBGNYPB03T	3	C	'84	Norton, VA	NRTNVAN001T	4	C, RTA	'84	
	Potsdam	PTSDNYPS01T	4	C	'84	Onancock, VA	ONNCVAON01T	4	C	'05	
	Riverhead	RVHDNYRV01T	4A		'95	Winchester, VA	WNCHVAWC01T	4	C	'82	
	Rome	ROMENYRM01T	4	C	'91						
	Saranac Lake	SRLKNYQL01T	4	C	'96						

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1979

CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE	CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE
C&P	Fairmont, WV	FAMTWVMN25T	4	C	'81	SOCN	Middlesboro, KY	MDBOKYMA05T	4	C	'93
	Lewisburg, WV	LWBGWVMW25T	4	C	'92		Shelbyville, KY	SHVLKYMA05T	4	C	'97
	Logan, WV	LOGNWVHC25T	4	C	'93		Winchester, KY	WNCHKYMA05T	3	C	'80
	Weirton, WV	WRTNWVDW25T	4	C	'81		Covington, LA	CVTNLAMA01T	4	C	CL5 '81
	Wheeling, WV	WLNGWVCP25T	3	C	'81		Hammond, LA	HMNDLAMA01T	4	C	CL5 '81
	Williamson, WV	WMSNWVLG25T	4		'85		Houma, LA	HOUMLAMA01T	4		'80
							Monroe, LA	MONRLAMA01T	4	C	'80
SO	Chipley, FL	CHPLFLMA01T	4	C,RTA	CL5 '82	Ruston, LA	RSTNLAMA01T	4	C	CL5 '80	
	Cocoa, FL	COCOFLMA01T	4		CL5 '81	Biloxi, MS	BILXMSMA05T	4	C	CL5 '82	
	De Land, FL	DELDFLMA01T	4	C,RTA	CL5 '80	Columbus, MS	CLMBMSMA05T	4	C,RTA	'87	
	Fort Pierce, FL	FTPRFLMA01T	4	C	CL5 '80	Greenwood, MS	GNWDMSMA05T	3	C	'85	
	Melbourne, FL	MLBRFLMA01T	4	C	'80	Grenada, MS	GRNDMSMA05T	4	C	'92	
	Sanford, FL	SNFRFLMA01T	4	C	CL5 '81	Gulfport, MS	GLPTMSTS05T	4	C	'80	
	Titusville, FL	TTVLFLMA01T	4		CL5 '81	Hattiesburg, MS	HTBGMSMA05T	4	C,RTA	'83	
	Brunswick, GA	BRWKGAMA01T	4		'90	Laurel, MS	LARLMSMA05T	4	C	'87	
	Cartersville, GA	CRVLGAMA01T	4	C	'93	McComb, MS	MCCMMSMA05T	4	C	'95	
	Dublin, GA	DBLNGAMA01T	4	C	'84	Tupelo, MS	TUPLMSMA05T	3	C	'82	
	Millen, GA	MLLNGAMA01T	4	C	'06	Athens, TN	ATHNTNMA51T	4		CL5 '81	
	Newnan, GA	NWNNGAMA01T	4		CL5 '80	Columbia, TN	CLMATNMA51T	4	C	CL5 '81	
	Valdosta, GA	VLDSGAMA01T	4	C	'80	Dyersburg, TN	DYBGTNMA51T	4	C	CL5 '81	
	Waycross, GA	WYCRGAMA01T	3	C	'82	Harriman, TN	HIMNTNMA51T	4	C	CL5 '81	
	Goldsboro, NC	GLBONCMA01T	4		CL5 '84	Humboldt, TN	HMBLTNMA51T	4	C,RTA	CL5 '83	
	Laurinburg, NC	LRBGNCMA01T	3	C	'85	Jackson, TN	JCSNTNMA51T	4	C	CL5 '81	
	Morgantown, NC	MGTNNCGR01T	4		'85	Lebanon, TN	LBNNTNMA51T	4		CL5 '81	
	Salisbury, NC	SLBRNCMA01T	4		'85	Morristown, TN	NRTWTNMA51T	4	C	CL5 '81	
	Orangebury, SC	ORBGSCMA01T	4	C	'82	Shelbyville, TN	SHVLTNMA51T	4	C,RTA	CL5 '83	
	SOCN	Gadsden, AL	GDSDALMT61T	4	C	'85	OHIO	Coshocton	CSTNOH6250T	4	C
Huntsville, AL		HNVIALMT61T	4	C	CL5 '82	Findlay		FNDYOH4250T	4	C	'80
Jasper, AL		JSPRALMT61T	4	C	'85	Gallipolis		GLPLOH4450T	4	C	'98
Selma, AL		SELMALMT61T	4	C	'83	Ironton		IRTNOH5350T	4	C	'99
Sheffield, AL		SHFDALMT61T	4	C	CL5 '82	Lancaster		LNC SOH6550T	4	C	'82
Tuscaloosa, AL		TSCLALMT61T	4	C	'84	Marietta		MRTTOH3750T	4	C	'85
Bowling Green, KY		BWLGKYMA05T	4	C	CL5 '84	Piqua		PIQUOH7750T	4		'99
Danville, KY		DAVLKYMA05T	3	C	'00	Sandusky		SND SOH6250T	4	C	'14
Henderson, KY		HNSNKYMA05T	4	C	'00	Tiffin		TFFNOH4450T	4	C	'92
Madisonville, KY		MDVIKYMA05T	3	C,RTA	'80	Washington Court		WACHOH3350T	4	C	'00
Mayfield, KY		MYFDKYMA05T	4		CL5 '80	House					

Chart 7

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1979

CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE	CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE
MICH	Escanaba	ESCNMIMN09T	3		'82	NW	Mason City, IA	MSCYIATC05T	3	C	'81
	Iron Mountain	IRMTMIMN09T	4	C	'81		Oelwein, IA	OLWNIATC05T	4	C	'89
	Marquette	MRQTMIMN19T	4	C	'83		Spencer, IA	SPNCIATC05T	4	C	'86
	Monroe	MONRMIMN09T	4		'81		Storm Lake, IA	STLKIATC05T	4		'88
	Petoskey	PTSKMIMN19T	4	C	'92		Webster City, IA	WBCYIATC05T	4	C	'87
IND	Auburn	AUBNIN0105T	4	C	'94	Anoka, MN	ANOKMNA05T	4		'89	
	Crawfordsville	CFVLIN0105T	4	C	'93	Bemidji, MN	BMDJMNBE05T	4	C	'89	
	Crown Point	CRPNINCX07T	4	C	'93	Crookston, MN	CKTNMNCR05T	4	C	'89	
	Huntington	HNTNIN0105T	4	C	'91	Owatonna, MN	OWTNMNOW05T	3	C	'92	
	Kokomo	KOKMIN0105T	4	C	'85	Shakopee, MN	SHKPMNSH05T	4	C,RTA	'87	
	New Castle	NWCSIN0105T	4	C	'94	Thief River Falls MN	TRFLMNTH05T	4	C	'88	
	Vincennes	VINCIN0105T	4	C	'90	Virginia, MN	VRGNMNV I05T	3	C,RTA	'86	
						Wadena, MN	WADNMNWA05T	3	C	'85	
WISC	Berlin	BRLNWI0151T	4		'85	Willmar, MN	WLMRMNWI05T	3	C	'85	
	Fond du Lac	FDULWI0151T	4	C	-	Windom, MN	WNDMMNWI05T	3	C	'85	
	Oshkosh	OSHKWI0151T	4	C	'85	Winona, MN	WINOMNWI05T	4	C	'86	
	Stevens Point	STPTWI0151T	3	C	-	Grafton, ND	GFTNNDBC05T	4		'00	
	Watertown	WTTWWI0151T	3	C	'81	Jamestown, ND	JMTWNDBC05T	4		'00	
						Fremont, NE	FRMTNENW05T	4	C	'91	
ILL	Beardstown	BDTWILBD07T	4	C	-	McCook, NE	MCCKNENW05T	4		'80	
	Cairo	CAIRILCF07T	4	C	-	Norfolk, NE	NRFLNENW05T	4	C	'81	
	Canton	CNTNILCN07T	4	C	-	North Platte, NE	NPLTNEW05T	4	C	CL5 '81	
	Edwardsville	EWLILER07T	4	C	-	Sidney, NE	SDNYNENW05T	3	C	'99	
	LaSalle	LSLLILLS07T	4	C	'91	Aberdeen, SD	ABRSDDCO05T	4	C	'81	
	Morris	MRRSILMS07T	4	C,RTA	'90	Watertown, SD	WTTWSDCO05T	4	C	'96	
	Mount Vernon	MTVRILMV07T	4	C	'97	Winner, SD	WNNRSDCO05T	4		'82	
	Quincy	QNCYILQY07T	4	C,RTA	'81	SW	Forrest City, AR	FRCYARMA05T	4	C	'80
	Sterling	STNGILSI07T	4	C	'86		West Memphis, AR	WMPARMA05T	4	C	CL5 '80
	Vandalia	VANDILVA07T	4	C	'88		Abilene, KS	ABLNSKCD05T	4	C	'90
Woodstock	WDSTILWS07T	4	C,RTA	'94	Chanute, KS		CHNTKSSS05T	4	C	'90	
					Concordia, KS		CNCRKSBRO5T	4	C	'90	
					Dodge City, KS		DDCYKS0105T	4		'85	
					El Dorado, KS		ELDOKSST05T	4	C	'90	
					Emporia, KS		EMPRKS0805T	4	C	'90	
					Independence, KS		INDPKSMA05T	4	C	'90	
					Lawrence, KS		LWRNKSVE05T	4	C	'81	
NW	Ames, IA	AMESIATC05T	4	C	'86	Newton, KS	NWTNKS0505T	4		'90	
	Atlantic, IA	ATLTIATC05T	4	C	'89	Ottawa, KS	OTWAKSMA05T	4	C	'90	
	Carroll, IA	CRRLIATC05T	4	C	'89						
	Charles City, IA	CHCYIATC05T	4		'81						
	Dubuque, IA	DUBQIATC05T	4	C	'82						
	Ft. Madison, IA	FTMDIATC05T	4		'88						
	Iowa City, IA	IWCYIATC05T	4	C	'81						

Chart 7

BELL SYSTEM NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1979

CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE	CO.	LOCATION	CLLI	CLASS ¹	C = CAMA RTA	RETIRE- MENT DATE	
SW	Pittsburg, KS	PSBGKSLO05T	4	C	'90	PNB	Astoria, OR	ASTROR6401T	3	C	-	
	Winfield, KS	WNFDKSMI05T	4	C	'90		Bend, OR	BENDOR2401T	3	C	'84	
	Chillicothe, MO	CHLCMOMI05T	4	C, RTA	'83		Medford, OR	MDFDOR3301T	3TO	C	'83	
	Flat River, MO	FLRVMOGE05T	4	C	'84		Pendleton, OR	PNTNOR5601T	3	C	'90	
	Hannibal, MO	HNBLMOAC05T	4	C	'83		Salem, OR	SALMOR5801T	4TO	C	'83	
	Mexico, MO	MEXCMOJU05T	4	C, RTA	'85		Aberdeen, WA	ABRDWA0101T	4	C	'90	
	Moberly, MO	MBRLMOAMO5T	3	C	'83		Bellingham, WA	BLHMWA0101T	3		'83	
	Sedalia, MO	SDLIMOTA05T	4	C	'82		Longview, WA	LGVWWA0201T	4	C	'80	
	Ada, OK	ADA-OKMA05T	4	C	CL5 '81		Olympia, WA	OLYMWA0201T	4	C	'83	
	Altus, OK	ALTSOKMA05T	4A	C	'86		Walla Walla, WA	WLWLWA0101T	4	C	'89	
	Ardmore, OK	ARMROKMA05T	4	C, RTA	'90							
	Bartlesville, OK	BRVLOKFE05T	4	C	CL5 '80		PAC	El Centro	ELCNCA0141T	4	C, RTA	'86
	Chickasha, OK	CHCKOKMA05T	4A	C	CL5 '81	Jackson		JCSNCA0122T	4	C	'81	
	Clinton, OK	CLTNOKMA05T	4	C, RTA	'86	Lakeport		LKPTCA0204T	4		'85	
	Cushing, OK	CSNGOKMA05T	4A	C	CL5 '81	Newhall		NHLLCA0147T	4	C	'85	
	Duncan, OK	DNCNOKMA05T	4A	C	CL5 '83	Red Bluff		RDBLCA0152T	4		'83	
	Durant, OK	DRNTOKMA05T	4	C, RTA	'83	Rialto		RILTCA1173T	4A	C	'86	
	Enid, OK	ENIDOKMA15T	4	C, RTA	'83	San Luis Obispo		SNLOCA0117T	3	C	'81	
	McAlester, OK	MCLSOKMA05T	4	C	CL5 '82	South Tahoe		STAHCA0135T	4	C	'85	
	Norman, OK	NRMNOKMA05T	4		CL5 '80	Yuba City		YBCYCA0167T	4A	C	'82	
	Shawnee, OK	SHWNOKMA05T	4A	C	CL5 '81							
	Beeville, TX	BEVLTXBV05T	4	C	CL5 '83	SNE		Danielson	DNSNCT0001T	4	C	'83
	Cisco, TX	CISCTXHI05T	4	C	-							
	Seguin, TX	SGINTXSG05T	4	C	CL5 '81	CINN	Batavia, OH	BATVOHBA01T	4		'85	
	Wharton, TX	WHTNTXWHO5T	4	C	'85							
	MTN	Prescott, AZ	PRSCAZMA44T	4	C	-						
		Durango, CO	DURNCOMA24T	4	C	'00						
		Great Falls, MT	GRFLMTMA73T	3	C	CL5 '82						
		Livingston, MT	LVTNMTMA22T	4	C	'81						
		Missoula, MT	MSSLMTMA72T	4A	C	'82						
		Alamogordo, NM	ALMGNMMA43T	4	C	-						
		Roswell, NM	RSWLNMMMA62T	4	C	'82						
		Logan, UT	LOGNUTMA75T	4	C	'83						
		Ogden, UT	OGDNUTMA62T	4	C, RTA	'82						
		Price, UT	PRI CUTMA63T	4	C	-						
		Vernal, UT	VRNLUTMA78T	4	C	-						
Rock Springs, WY	RCSPWYMA38T	4	C	-								

NON-BELL CLASS 4 CROSSBAR OFFICES IN SERVICE - END OF 1979

AREA/CO.	LOCATION	CLLI	TYPE - MFG. 6	1,2 FEAT-URES	RETIRE-MENT DATE	AREA/CO.	LOCATION	CLLI	TYPE - MFG. 6	1,2 FEAT-URES	RETIRE-MENT DATE
NE	North Anson, ME	NANSMEXA01T	NX1D-10	C		SO	Moultrie, GA	MLTRGAXA01T	NX1D-10	C	
NY	Chatham	CHHMNYXA02T	XB				Clinton, NC	CLTNNCXA01T	NX1D-10	T	
	Geneseo	GENSNYXA01T	NX1D-10	C			Elkin, NC	ELKNNCXA02T	NTS4E-10	AUX	1980
	Jamestown	JMTWNYXA01T	5XB	C			Greenville, NC	GNVLCNXA01T	5XB-11	C	
	Rhinebeck	RHNBNYXA01T	NX1-10	C	1985		Hickory, NC	HCKRNCXA01T	NJ500-10	AUX	1980
NJ	Belvidere	BLVDNJXW01T	NX1D-10	C,T			Siler City, NC	SLCYNCXA01T	NTS4-10		
	Clinton	CLTNNJXJ01T	NX1D-10	C,T			Southern Pines, NC	SPNSNCXA01T	NX1E-10		
	Newton	NWTNNJXU01T	NX1D-10	C,T		SOCN	Greenwood, SC	GNWDSXC01T	NX1D-10		
PA	Carlisle	CRLSPAXC19T	NX1E-10	C,T			Monroeville, AL	MOVLALXA52T	A1-5		
	Chambersburg	CHBGPAXC19T	NX1D-10	C,T			Bristol, TN	BRSTTNXA51T	XB-10		
	Hanover (York Co.)	HNVRPAXH19T	NX1E-10	C,T		OHIO	Ashtabula	ASHTOHXA01T	SP1-11	C,T	
	Kittanning	KTNGPAXK89T	SP1-11	C			Bellefontaine	BLLFOHXA51T	NX1E-10	C,AUX	
	Towanda	TWNDPAXT19T	NX1E-10	C,T			Bucyaus	BCYROHXA50T	NX1-10	C	
	Waynesburg	WYBGPAXW51T	NX1E-10	C	1982		Defiance	DFNCOHXA50T	NX1-10	C	CL5 1982
	Wellsboro	WLBOPAXW19T	NX1D-10	C,T			Elyria	ELYROHXA01T	SP1-11	C,T	
C&P	Charlottesville, VA	CHVLVAXA01T	AMAR-5	C,T,*	1985		Galion	GLINOHXA50T	NX1D-10	C,T	
	Edinburg, VA	EDBGVAXA02T	NX1E-10	T	1983		Greenville	GNVLOHXA50T	NX1D-10	C,T	
	Emporia, VA	EMPRVAXA01T	NTS2-10	C,T			Lorain	LORNOHXA01T	NX1D-10	C,T	
SO	Avon Park, FL	AVPKFLXA03T	NTS4E-10	C			Mansfield	MNFDOHXA50T	NX1E-10	C,T	1983
	Lake Buena Vista, FL	LKBNFLXB02T	SP1-11	C			Oberlin	OBROHXA50T	NX1-10	C	1983
	Leesburg, FL	LSBGFLXA01T	NX1D-10	C,T			Pataskola	PTSKOHXA50T	NX1-10	C	
	Live Oak, FL	LVOKFLXA02T	NTS4E-10	C			Sanbury	SNBYOHXA50T	NX1-10	C	
	Marianna, FL	MRNNFLXA02T	A1-5	C,T			Van Wert	VNWROHXA50T	NX1-10	C	CL5 1980
	Ocala, FL	OCALFLXA02T	NTS4E-10	C			Warren 2	WRRNOHXA01T	NX1-10	C	1981
	Tallahassee, FL	TLHSFLXA01T	NX1D-10	C	1981						
	Winter Garden, FL	WNGRFLXA01T	NX1D-10	C		IND	Decatur	DCTRINXA05T	NX1E-10	C	
	Winter Park, FL	WNPKFLXE01T	NX1D-10	C	1980		Franklin	FRLNINXA05T	XB-10	C	
	Commerce, GA	CMRCGAXA01T	NX1D-10	C			Greensburg	GNBGINXB02T	SP1-11	C	
	Cornelia, GA	CRNLGAXA01T	SP1E-12	C,AUX			Jasper	JSPRINXA05T	NX1E-10	C	1981
	Dalton, GA	DLTNGAXC01T	NX1D-10	C,T			Lagrange	LGRNINXA05T	XB-10	C	
							Monticello	MNTIINXA05T	NX1E-10	C	
							Plymouth	PLMOINXA05T	NX1E-10	C	

NON-BELL CLASS 4 CROSSBAR OFFICES IN SERVICE -- END OF 1979

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
IND	Seymour Warsaw	SYMRINXA05T WRSWINXA05T	NX1E-10 NX1E-10	C C	1981	PNB	Moscow, ID Coos Bay, OR Hood River, OR La Grande, OR Sheridan, OR White City, OR Everett, WA South Whidbey, WA Sunnyside, WA	MSCWIDXX01T CSBYORXX02T HDRVORXA01T LAGRORXB01T SHRDORXA02T WHCYORXX01T EVRTWAXC01T SWHDWAXX01T SNSDWAXX01T	5XB NX1D-10 NX1E-10 NX1D-10 NX1E-10 NX1E-10 5XB NX1D-10 NX1E-10		1981
WISC	Elkhorn La Crosse Wisconsin Rapids	ELKHWIXB71T LCRSWICX71T WRPDWIXA71T	C460-9 NX1D-10 NX1E-10	C C C							
ILL	Freeport Mattoon Pekin	FRPTILXA01T MTONILXC50T PEKNILXD50T	SP1-11 NTS4E-10 Metacont	C,T,* L-8						AUX	
NW	Newton, IA Scottsbluff, NE	NWTNIXXC06T SCTSNE XU02T	NX1E-10 NX1D-10	C C,T	1985	PAC	Oakhurst Victorville	OKHRCAXA11T VTVLCAXA97T	NX1E-10 5XB		CL5 1980 1980
SW	Greenbrier, AR Harrison, AR Marked Tree, AR Russellville, AR Pleasanton, KS Harrisonville, MO Rolla, MO Kingfisher, OK Athens, TX Kerrville, TX Killeen, TX Navasota, TX Stephenville, TX	GNBRARXA09T HRSNARXA09T MRTRARXA06T RLVLARXA06T PLTNKSXA06T HNVLMOXA09T ROLLMOXA06T KGFSOKXA03T ATHNTXXA03T KRVLTXXA01T KLLNTXXA01T NVSTTXXA01T STVLTXXA03T	XB-7 A1-5 NX2A-10 K60-7 XB-7 NX1D-10 NX1D-10 SP1-11 XB-10 A1-5 XB NX1E-10 XB-10	C C C C C C C,T C,T,* C C,T C C,T C	1981 1980 1980 1984 1981 1982 1981 1983 1981 1980	CINN	Lawrenceburg, IN Lebanon, OH (Warren Co.)	LRBGINXA01T LBNNOHXA01T	XB-10 NX1-10	C,T0 C	
						TCTS	Calgary 1, AB Drumheller, AB Edmonton 2, AB Edmonton 3, AB Grande Prairie, AB Lethbridge, AB Peace River, AB Red Deer, AB Vegreville, AB	CLGRAB2101T DMHLAB0101T EDTNAB0202T EDTNAB0203T GDPRAB0101T LTBRAB0202T PCRVAB0101T RDDRAB0102T VGVLAB0102T	5XB-11 5XB-11 SP1-11 SP1-11 5XB-11 SP1-11 5XB-11 SP1-11 SP1-11	C,T,* AUX C C,T,* AUX C,T,* AUX C C,T C C,T C,T	1981
MTN	Kingman, AZ Kalispell, MT	KGMNAZXC75T KLSLMTXC01T	SP1-11 SP1-11	C,T			Thompson, MB Moncton, NB Gander, NF Grand Falls, NF Marystown, NF	THSNMB0102T MCTNNBSA01T GNDRNFXA02T GDFLNF0202T MYTWNF0101T	SP1-11 5XB-11 SP1-11 SP1-11 5XB-11	C,T C,T C,T C,T C	1983

27

Chart 7A

NON-BELL CLASS 4 CROSSBAR OFFICES IN SERVICE - END OF 1979

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		
TCTS	Amherst, NS	AMHRNS0102T	SP1-11	C	1981	TCTS	Charlottetown, PE	CHTWPE0102T	SP1-11	C	1981		
	Kentville, NS	KTVLNS0202T	SP1-11	C			Gaspe, PQ	GASPPQXQ01T	5XB-11	C			
	New Glasgow, NS	NWGLNS0101T	5XB-11	C			Cap aux Meules, PQ	CPMLPQXT01T	5XB-11	C			
	Sydney, NS	SYDNNS0101T	5XB-11	C			Donnacona, PQ	DNNCPQXQ01T	5XB-11	C			
	Belleville, ON	BLVLON2401T	5XB-11	C			Drummondville, PQ	DRUMPQ7701T	5XB-11	C			
	Brampton, ON	BMTNON1301T	5XB-11	C,T			Granby, PQ	GRNBQP8801T	5XB-11	C			
	Brantford, ON	BTFDON1701T	5XB-11	C			Joliette, PQ	JOLTPQ1701T	5XB-11	C			
	Brockville, ON	BKVLON4501T	5XB-11	C			Lac Megantic, PQ	LCMGPQ1401T	5XB-11	C			
	Chatham, ON	CHHMON1701T	5XB-11	C			Mont Laurier, PQ	MTRLRPQXT01T	5XB-11	C			
	Cornwall, ON	CRNWON2401T	5XB-11	C			Montmagny, PQ	MTMGPQXQ01T	5XB-11	C			
	Fort Erie, ON	FTERON0201T	5XB-11	C			Montreal 4, PQ	MTRLPQ5804T	SP1-11	T,*			
	Guelph, ON	GLPHON2201T	5XB-11	C			Rimouski 1, PQ	RMKIPQXA01T	5XB-11	C			
	Kingston, ON	KGTNON0801T	5XB-11	C			Riviere du Loup, PQ	RDLPQ4901T	5XB-11	C			
	Lindsay, ON	LNDSON0901T	5XB-11	C			St. Agathe, PQ	STATPQ5301T	5XB-11	C			
	Markham, ON	MRHMON2401T	5XB-11	C			St. Felicien, PQ	SFCNPQ2901T	5XB-11	C			
	Newmarket, ON	NWMKON8501T	5XB-11	C			St. Hyacinthe, PQ	STHYPQ6902T	SP1-11	C			
	Orangeville, ON	OGVLON2301T	5XB-11	C			St. Jerome, PQ	SJERPQ0501T	5XB-11	C			
	Oshawa, ON	OSHWON9502T	SP1-11	C			Ste. Marie de Beauce, PQ	STMBPQXQ01T	5XB-11	C			
	Owen Sound, ON	OWSDON5901T	5XB-11	C			Trois Rivieres, PQ	TSRVPQ3201T	5XB-11	C			
	Peterborough, ON	PTBOON6201T	5XB-11	C			1984	Valleyfield, PQ	VYFDPQ4701T	5XB-11		C	
	Sarnia, ON	SARNON3001T	5XB-11	C									
	Sault Ste Marie, ON	SSMRON9401T	5XB-11	C									
	Simcoe, ON	SIMCON3001T	5XB-11	C									
	Smith Falls, ON	SMFLON1801T	5XB-11	C									
	Stratford, ON	SRFRON3801T	5XB-11	C									
	St. Catharines, ON	STCTON1002T	SP1-11	C									
	St. Thomas, ON	STTMON2801T	5XB-11	C									
	Thunder Bay, ON	TOBAON3203T	SP1-11	C,T									
	Timmins, ON	TMNSONX002T	SP1-11	C				ALSK	Anchorage 1	ANCRKZA01T		SP1-11	
	Toronto 4, ON	TOROON0104T	SP1-11	C					Juneau (Lena Point)	LNPNAKXA01T		SP1-11	
	Toronto 5, ON	TOROON6305T	SP1-11	T,*									
	Walkerton, ON	WKTNON0101T	5XB-11	C				CARIB	Bridgetown, BD	BRTWBDXA01T		ARM-18	
									Ponce, PR	PONCPRXX01T		SP1-11	

BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE - END OF 1979

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	NY	Hudson	HDSNNYHD01T		'82
	North Adams, MA	NADMMASU01T		CL5 '82		Schenectady	SCHNNYSC01T	AUX	'82
	Pittsfield 2, MA	PTFDMAFE01T	AUX	CL5 '81		Sodus	SODSNYSD01T		'82
	Augusta, ME	AGSTMEST01T	C	'81		Ticonderoga	TCNDNYTI01T		'80
	Bath, ME	BATHMEHI01T		'86		PA	Bradford	BRFRPABR11T	C
	Biddeford, ME	BDFRMEJE01T		'87	Butler		BRLRPABT11T	TO	'84
	Calais, ME	CALSMECH01T		'85	Charleroi		CHRLPACH11T		CL5 '80
	Dover Foxcroft, ME	DVFXMEMA01T		'87	Clearfield		CLFDPACL11T		'84
	Ellsworth, ME	ELWOMEMA01T		'90	Easton		ESTNPAEA11T		'80
	Farmington, ME	FRTNMEHI01T		'88	Indiana		INDIPAIN11T		'84
	Houlton, ME	HLTNMECO01T		CL5 '82	Lebanon		LBNNPALE11T		'82
	Norway, ME	NRWYMEFA01T		'90	Lewistown		LWTWPALE11T		'85
	Presque Isle, ME	PRISMESE01T		'81	(Mifflin Co.)				
	Rockland, ME	RKLDMELI01T	C	'86	Shamokin		SHMKPASH11T		'82
	Waterville, ME	WTVLMEAP01T	C	'83	Sunbury	SNBYPASU11T		'81	
	Claremont, NH	CLMTNHBR01T		'85	C&P	Staunton, VA	STTNVAST01T	C	'83
	Conway, NH	CNWNHYA01T		CL5 '87		Beckley, WV	BCKLWWD21T	C	'80
	Exeter, NH	EXTRNHCE01T		CL5 '82		Martinsburg, WV	MRBGWVBU21T	C	'83
	Littleton, NH	LTTNNHPL01T	C	'89	SO	Hollywood, FL	HLWDFLMA01T		--
	Nashua, NH	NASHNHHA01T	TO	'82		Key West, FL	KYWSFLMA01T		CL5 '80
	Peterborough, NH	PTRBNHCO01T		CL5 '83		Carrollton, GA	CRTNGAMA01T		CL5 '80
	Narragansett, RI	NRGNRIMA01T		'82		Hazlehurst, GA	HZLHGAMA01T		CL5 '80
	Bellows Falls, VT	BLFLVTHE01T		'85		Jesup, GA	JESPGAMA01T		CL5 '80
	Bennington, VT	BGTNVTPL01T		'87		Rome, GA	ROMEGATL01T	AUX	'80
	Brattleboro, VT	BRBOVTMA01T	C	'84		Hendersonville, NC	HNVLNCCH01T		'80
	Middlebury, VT	MDLBVTCC01T		'87		Lenoir, NC	LENRNCHA01T		'84
	Montpelier, VT	MTPLVTSC01T	C	'82		Shelby, NC	SHLBNCMA01T		CL5 '80
	Morrisville, VT	MRVLVTUN01T		'88		Statesville, NC	SSVLNCMA01T		'82
	Rutland, VT	RTLDVTWE01T	C	'80					
	St. Albans, VT	STALVTBA01T		'89					
	St. Johnsbury, VT	STBYVTSM01T	C	'85					
	NY	Auburn	AUBNNYAU01T		'81				
		Bath	BATHNYBH01T		'81				
Cobleskill		CBLSNYZB01T		'81					
Corning		CRNGNYCG01T		'82					
Cortland		CRLDNYCR01T		'81					

BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE - END OF 1979

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
SOCN	Opelika, AL	OPLKALMT51T		CL5 '82	NW	Algona, IA	ALGNIATC01T		'82
	Maysville, KY	MYVLKYMA01T		CL5 '81		Burlington, IA	BURLIATC01T		'81
	Pikeville, KY	PKVLKYMA01T		CL5 '80		Ottumwa, IA	OTTMIAATC01T		'82
	Clarksdale, MS	CSDLMSMA01T		'82		Sheldon, IA	SHLNIATC01T	C	'85
	Corinth, MS	CRNTMSMA01T		'82		Austin, MN	AUSTMNAU01T		'84
OHIO	Barnesville	BRVIOH4250T	C	'90	Detroit Lakes, MN	DTLKMNDL01T		'84	
	Fremont	FRMTOH3350T	C	'85	Fergus Falls, MN	FRFLMNF01T		'84	
	Hillsboro	HLBOOH3950T	C	'84	Grand Rapids, MN	GDRPMNGR01T		-	
	New Lexington	NWLXOH3450T	C	'83	Hibbing, MN	HBNGMNHIO1T	CL5	'80	
	Steubenville	SBVIOH2850T	C	CL5 '80	Little Falls, MN	LTFLMNLFO1T		'85	
	Upper Sandusky	UPSNOH2950T	C	'87	Luverne, MN	LVRNMNLU01T	C	'85	
	Winchester	WNCHOH6950T	C	'86	Marshall, MN	MRSHMNMA01T	C	'81	
	Xenia	XENIOH3750T	C	'83	Montevideo, MN	MTVDMNMO01T		'87	
	Zanesville	ZNVLOH2750T	C	'84	Ortonville, MN	ORVLMNOR01T		'81	
						Pine City, MN	PNCYMNP01T		'84
MICH	Battle Creek	BTCKMIMN08T		'81	Preston, MN	PSTNMNPR01T		'81	
	Benton Harbor	BNHRMIMN08T		'80	Sauk Centre, MN	SKCTMNSCO1T		'87	
	Big Rapids	BGRPMIMN08T		'82	Dickinson, ND	DCSNNDBC01T		'80	
	Cadillac	CDLCMIMN08T		'81	Williston, ND	WLSTNDBC01T		'81	
	Hillsdale	HLDLMIMN08T		'82	Mobridge, SD	MBRGSDCO01T		'82	
	Reed City	RDCYMIMN02T		'82	SW	Colby, KS	CLBYKS0509T	C	'85
						Garden City, KS	GRCYKS0709T	C	'81
IND	Attica	ATTCIN0105T		'84		Great Bend, KS	GRTBKSST09T	C	CL5 '85
	Clinton	CLTNIN0105T		'84		Manhattan, KS	MNHTKS0409T	C	'81
	Frankfort	FRFTIN0105T		'82		Eldon, MO	ELDNMOEX09T	C	'84
	Marion	MARNIN0105T		'82		Kirkville, MO	KKVLMOMO09T	C	'82
	Shelbyville	SHVLIN0105T		'82		Huntsville, TX	HNVITXHN09T	C	'80
WISC	Ashland	ASLDWI0111T	C	-	Victoria, TX	VCTATX0109T	C,TO	'82	
	Beaver Dam	BVDMWI0111T		'80					
	Hudson	HDSNWI0111T	C	-					
	Marinette	MRNTWI0111T	C	'85					
	Sturgeon Bay	STBYWI0111T		'85					
Superior	SPRRWI0111T	C	-						

30

Chart 8

BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE - END OF 1979

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
MTN	Alamosa, CO	ALMSCOMA58T		'83	PAC	Auburn	AUBNCA0100T		'80
	Fort Morgan, CO	FTMRCOMA86T		CL5 '81		Dunsmuir	DNSMCA1100T		'80
	Glenwood Springs, CO	GLSPCOMA94T		'80		Fairfield			
	La Junta, CO	LJNTCOMA38T		'81		- Suisun	FRFDCA0100T		'80
	Lamar, CO	LAMRCOMA33T		'81		Grass Valley	GRVYCA0100T		'80
	Payette, ID	PYTTIDMA64T		'81		Marysville	MYVICA0100T		'81
	Glasgow, MT	GLSGMTMA22T		'80		Merced	MRCDCA0100T		'81
	Glendive, MT	GLNDMTMA36T	C	'81		Napa	NAPACA0100T		'80
	Havre, MT	HAVRMTMA26T		'82		Pomona	POMNCA0172T		'80
	Missoula, MT	MSSLMTMA54T		'82		Portola	PROLCA0100T		'81
	Shelby, MT	SHLBMTMA43T		'83		Vallejo	VLLJCA0100T		'80
	Clovis, NM	CLVSNMMA76T		CL5 '87		Willows	WLWSCA1100T		'81
	Deming, NM	DMNGNMMA54T		-		Woodland	WDLDCA1100T		'80
	Farmington, NM	FRTNNMMA32T		'85		Yreka	YREKCA1100T		'81
	Cedar City, UT	CDCYUTMA58T	C	'80		Ely, NV (355A)	ELY-NV0128T		'95
	Richfield, UT	RCFDUTMA89T		-		Winnemucca, NV	WNMCNV0100T		'82
PNB	Newport, OR	NWPTOR3501T		'83	SNE	Ansonia-Derby	DRBYCT0001T		'82
	Centralia, WA	CENLWA0101T		'81		Bridgeport	BRPTCT0101T		'80
	Ephrata, WA	EPHRWA0101T		'85		New Milford	NMFRCT0001T		'83
	Wenatchee, WA	WNTCWA0101T	TO	'81		Norwich	NRWCCT0001T		'85
						Old Saybrook	OLSYCT0001T		'85
				Willimantic	WLMNCT0001T		'84		
				Windsor Locks	WLKSCT0001T		'84		
				CINN	Williamstown, KY	WLTWKYWT01T		'85	

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1979

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	SXS-1	C,AUX	1981	C&P	Martinsville, VA	MTVIVAXA01T	SXS-1	C	1980
NY	Au Sable Forks	ASFKNYXA01T	XY-15	C	1981		Rocky Mount, VA	RCMTVAXA01T	SXS-1	C	1980
	Boonville	BNVLNYXA01T	SXS-1				Saluda, VA	SALDVAXA01T	XY-15	C,AUX	
	Champlain	CHPLNYXA01T	XY-15				Smithfield, VA	SMFDVAXA01T	SXS-1	C	1982
	Delhi	DELHNYXA01T	XY-15				Wytheville, VA	WYVLVAXA01T	XY-15	C	1982
	Dundee	DUNDNYXA01T	XY-15		CL5 1980	SO	Crestview, FL	CRVWFLXA01T	SXS-1	C	
	Hamilton	HMTNNYXA01T	SXS-1				Ft. Walton Beach, FL	FTWBFLXA01T	SXS-1	C	1981
	Interlaken	INTRNYXA01T	XY-15				Naples, FL	NPISFLXA01T	SXS-1	C	CL5 1981
	Johnstown	JHTWNYXA01T	SXS-1		1980		Port St. Joe, FL	PJSJFLXA01T	XY-15	C,T	
	Norwich	NRWCNYXA01T	SXS-1	C,T			Quincy, FL	QNCYFLXA01T	XY-15	C,T	
	Pulaski	PLSKNYXA01T	SXS-1				Fitzgerald, GA	FTZGGAXA01T	XY-15	C	
	Sidney	SDNynyXA01T	SXS-1				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	
	Westfield	WSFDNYXA01T	XY-15	T			Statesboro, GA	STBOGAXA01T	XY-15	C	
NJ	Sussex	SUSXNJXC01T	SXS-1	C	1980		Thomaston, GA	THTN GAXA01T	XY-15	C	1980
PA	Bedford	BDFRPAXB19T	XY-15	C	1983		Toccoa, GA	TOCCGAXA01T	SXS-1	C	
	Forest City	FRCYPAXF19T	SXS-1	C	1980		Washington, GA	WASHGAXA01T	XY-15	C	
	Johnstown	JHTWPAXJ11T	SXS-1		1983		Winder, GA	WNDRGAXA01T	SXS-1	C	
	Meadville	MDVLPAXM11T	SXS-1	C	1980		Ahoskie, NC	AHSKNCXA01T	SXS-1	C	
	Montrose	MTRSPAXM19T	SXS-7	C,T	1982		Asheboro, NC	ASBONCXA01T	SXS-1		1983
	New Milford	NMFRPAXN19T	SXS-1	C			Durham 1, NC	DRHMNCXT01T	SXS-1		1981
	Newport	NWTPAXN19T	XY-15	C	1981		Elizabeth City, NC	ELCYN CXA01T	SXS-1	C	
	Oil City	OLCYPAX011T	SXS-1	C	1983		Henderson, NC	HNSNNCXA01T	SXS-1	C	
	Somerset	SMRTPAXS11T	SXS-1	C	1983		Jacksonville, NC	JCVLNCXA01T	SXS-1	C	
	Vandergrift	VNDGPAXM11T	SXS-1		1985		Kinston, NC	KSTNNCXA01T	SXS-1	C	
C&P	Amherst, VA	AMHRVAXA01T	SXS-7	C			Lexington, NC	LXTNNCXA01T	SXS-1		
	Charlottesville, VA	CHVLVAXA01T	SXS	AUX	1985		Mount Airy, NC	MTARN CXA01T	SXS-1		
	Covington, VA	CVTNVAXA01T	SXS-1	C	1984		New Bern, NC	NWB RN CXA01T	SXS	C	
	Dale City, VA	DLCYVAXA01T	XY-15	C,AUX	1980		Sylva, NC	SYLVNCXA01T	XY-15	C	1980
	Franklin, VA	FKLNVAXA01T	SXS-1	C	1980		Whiteville, NC	WHVLNCXA01T	SXS-1	C	
	Lexington, VA	LXTNVAXA01T	XY-15	C	1983		Williamston, NC	WMTNNCXA01T	SXS-1	C	
							Chester, SC	CHESSCXA01T	SXS-1		
							Lancaster, SC	LNCS SCXA01T	SXS-1		

32

Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1979

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	DTHNALXA51T	XY-15				Portsmouth	PTMOOHXA50T	SXS-1	C	1983
	Foley, AL	FOLYALXA51T	XY-15		1980		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	AUX	1981
	Hazard, KY	HZRDKYXA01T	SXS-1		1990		Wauseon	WASN OHXA50T	SXS-1	C	CL5 1982
	Morehead, KY	MRHDKYXA01T	SXS-1		1982		Wilmington	WLMGOHXA50T	SXS-1	C	
	Somerset, KY	SMRTKYXA01T	SXS-1				Wooster	WSTROHXA50T	SXS-1	C	1981
Cookeville, TN	CKVLTNXA01T	SXS-1		1981							
OHIO	Ashland	ASLDOHXA50T	SXS-1	C		MICH	Allegan	ALLGMI XG08T	SXS-1	C	
	Athens	ATHNOHXA50T	SXS-1	C,T			Alpena	ALPEMI XG08T	SXS-1	C	1981
	Bellefontaine	BLLFOHXA50T	SXS-1	C			Caro	CAROMI XI08T	SXS-1	C	1980
	Bowling Green	BWLGOHXA50T	SXS-1	C,T	1982		Coldwater	CDWRMI XG08T	SXS-1	C	CL5 1981
	Brookville	BKVL OHXA50T	SXS-1	C,T			Dowagiac	DWGCMI XG02T	SXS-1	C	CL5 1981
	Bryan	BRYNOHXA50T	SXS-1	C			Owosso	OWSOMI XH08T	SXS-1	C	
	Cadiz	CADZOHXA50T	SXS-1	C			Roscommon	RSCMMI XH02T	SXS-1	C	
	Cambridge	CMBROHXA50T	SXS-1	C			South Haven	SOHNMI XH08T	SXS-1	C	CL5 1981
	Celina	CELNOHXA50T	SXS-1	C	1983		Three Rivers	THRRMI XG08T	SXS-1	C	1980
	Chillicothe	CHLCOHXA50T	SXS-1	C							
	Circleville	CRVLOHXA50T	SXS-1	C		IND	Angola	ANGLINXA05T	SXS-1	C	CL5 1981
	Eaton	EATNOHXA50T	XY-15	C			Connersville	CSVLINXA05T	SXS-1	C	
	Georgetown	GRTWOHXA50T	SXS-1	C			Greencastle	GNC SINXA05T	SXS-1	C	
	Jackson	JCSNOHXA50T	SXS-1	C			Lafayette	LFY TINXA05T	SXS-1	C	
	Jefferson	JFSAOHXA50T	SXS-1	C	CL5 1982		Madison	MDSN INXA05T	USIM-16	C	CL5 1981
	(Ashtabula Co.)						Terre Haute	TRRHINXA05T	SXS-1	C	1980
	Kenton	KNTNOHXA50T	XY-15	C	CL5 1980	Tipton	TPTN INXA05T	XY-15	C		
	Minerva	MNRVOHXA50T	SXS-1	C		Wabash	WBSHINXA05T	SXS-1	C	CL5 1981	
	Mount Gilead	MTGLOHXA50T	SXS-1	C							
	Mount Vernon	MTVROHXA50T	SXS-1	C	1982	WISC	Boscobel	BOSCWIXA11T	XY-15	C	1980
Napoleon	NPLNOHXA50T	SXS-1	C	1982	Clintonville		CIVLWIXA11T	SXS-1	C		
New Philadelphia	NWPHOHXA50T	SXS-1	C,T		Dodgeville		DGVLWIXA11T	SXS-1	C		
Norwalk	NRWLOHXA50T	SXS-1	C	1982	Frederic		FRDRWIXA11T	SXS-1	C	1980	
						Marshfield	MRFDWIXA11T	SXS-1	C		

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1979

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	Mauston	MSTNWIXA11T	SXS-1	C	1980	NW	Chariton, IA	CHRTIAXC02T	XY-15	C	1984
	Monroe	MONRWIXA71T	XY-15	C			Clarinda, IA	CLRDIAXT02T	XY-15	C	
	New Richmond	NWMDWIXA71T	XY-15	C	1980		Creston, IA	CETNIAXC02T	XY-15	C	1981
	Platteville	PTVLWIXA11T	SXS-1	C	1980		Fairfield, IA	FRFDIAXC02T	XY-15	C	
	Sparta	SPRTWIXA71T	XY-15	C			Fort Dodge, IA	FTDDIAXC02T	SXS-1	C	1981
	Viroqua	VIRQWIXA71T	XY-15	C			Grinnell, IA	GRNLIAXC02T	SXS-1	C	1980
ILL	Benton	BNTNILXE06T	SXS-1			Jefferson, IA	JFSNIAXC02T	XY-15	C		
	Carmi	CARMILXE06T	SXS-1			Mount Ayr, IA	MTAYIAXC02T	SXS-1			
	Carrollton	CRTNILXC06T	SXS-1			Nevada, IA	NEVDIAXC02T	SXS-1	C	1982	
	Carthage	CRTHILXC06T	XY-15			New Hampton, IA	NHTNIAXC02T	XY-15	C	CL5 1980	
	Casey	CASYILXC06T	XY-15			Osceola, IA	OSCLIAXC02T	SXS-1	C	1981	
	Dixon	DIKNILXA06T	XY-15		1981	Rockwell City, IA	RCCYIAXC02T	SXS-1	C		
	Flora	FLORILXE06T	SXS-1			Tipton, IA	TPTNIAXC02T	XY-15	C	CL5 1980	
	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	MLCMNXM02T	XY-15	C		
	Kewanee	KEWNILXD06T	SXS-1			New Ulm, MN	NWULMNXN02T	XY-15	C	1980	
	Lawrenceville	LRVLILXE06T	SXS-1		1981	Worthington, MN	WOTNMNXW02T	XY-15	C	1980	
	Lincoln	LNCLILXC06T	SXS-1			Zumbrot, MN	ZMBRMNXZ02T	SXS-1			
	Litchfield	LTFDILXC06T	SXS-1			Auburn, NE	AUBNNEXL02T	SXS-1			
	Macomb	MCMBILXD06T	SXS-1		1981	Aurora, NE	AURRNEXM02T	SXS-1		1981	
	Monmouth	MNMOILXD06T	SXS-1			Beatrice, NE	BTRCNEXL02T	SXS-1		1982	
	Oregon	ORGNILXA06T	XY-15			Blair, NE	BLARNEXH02T	XY-15	C		
	Paris	PARSILXC06T	SXS-1			Columbus, NE	CLMBNEXG02T	SXS-1	C		
	Pittsfield	PTFDILXC06T	SXS-1			David City, NE	DVCYNEXL02T	SXS-1			
	Pontiac	PNTCILXA06T	SXS-1			Fairbury, NE	FRBRNEXL02T	SXS-1			
	Princeton	PRTNILXA06T	SXS-1			Falls City, NE	FLCYNEXM02T	SXS-1			
	Robinson	RSNILXE06T	SXS-1			Geneva, NE	GENVNEXL02T	SXS-1			
	Rochelle	RCHEILXA06T	XY-15		1983	Hastings, NE	HSNGNEXL02T	SXS-1		1982	
	Sandwich	SNDWILXA06T	SXS-1			Hebron, NE	HBRRNEXL02T	SXS-1		1981	
	Sparta	SPRTILXE06T	SXS-1		1981	Kearney, NE	KRNRYNEXG02T	SXS-1	C		
	Streator	STRTELXA06T	SXS-1			Seward, NE	SWRDNEXL02T	SXS-1			
	Taylorville	TYVLILXC06T	SXS-1			Superior, NE	SPRRNEXL02T	SXS-1			
							Tecumseh, NE	TCMSNEXL02T	SXS-1		

Chart 8A

NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1979

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	Groesbeck, TX	GRSBTXXA09T	XY-15		1980
	York, NE	YORKNEXL02T	SXS-1				Levelland, TX	LVLDTXXA09T	SXS-1	C, T	1989
SW	Crossett, AR	CRSTARXA09T	XY-15				Littlefield, TX	LTFTDXXA09T	SXS-1	C, T	1990
	Fordyce, AR	FRDYARXA09T	XY-15				Lufkin, TX	LFKNTXXA09T	XY-15	C, T	1982
	Hardy, AR	HRDYARXA09T	XY-15				Memphis, TX	MMPHTXXA09T	SXS-1	C, T	1984
	Stuttgart, AR	STTGARXA09T	SXS-1				Nocona, TX	NCNATXXA09T	SXS-1	C	
	Hiawatha, KS	HWTHKSXA09T	XY-15	C, TO			Port Lavaca, TX	PTLVTXXA09T	XY-15	C, T	1986
	Junction City, KS	JNCYKSXA09T	XY-15	C, T			San Angelo, TX	SANGTXXA09T	SXS-1	C, T	1983
	Russell, KS	RSSLKSXA09T	SXS	C	1980		San Marcos, TX	SMRCTXXA09T	XY-15	C, T	1981
	Ulysses, KS	ULYSKSXA09T	XY-15	C	1981		Seymour, TX	SYMRTXXA09T	XY-15	C	
	Cameron, MO	CMRNMOXA09T	SXS-1	C	1982		Sherman, TX	SHMNTXXA09T	SXS-1	C	1984
	Higginsville, MO	HGVLMOXA09T	SXS-1	C			Texarkana, TX	TXRKTXXA09T	SXS-1	C	1981
	Jefferson City, MO	JFCYMOXA05T	XY-15	C, T	1980		Winnie, TX	WNNETXXA09T	SXS-7	C	1980
	Maryville, MO	MAVLMOXA09T	XY-15	C, T	1980	MTN	Holbrook, AZ	HLBKAZXC52T	XY-15	C	
	Milan, MO	MILNMOXA09T	XY-15	C			St. Michaels, AZ	STMCAZXE01T	SXS-1		
	Sullivan, MO	SLLVMOXA01T	XY-15	C	1982		McCall, ID	MCCLIDXC63T	XY-15		
	Warrensburg, MO	WRBGMOXA09T	XY-15		1981		Salmon, ID	SLMNIDXC75T	XY-15		
	Wentzville, MO	WNVLMOXAO9T	XY-15	C, T	1984		Hobbs, NM	HBBSNMXC39T	SXS-1	C	1983
	Guymon, OK	GYMNOKXA09T	SXS-1	C			Delta, UT	DELUTXC86T	SXS-1	C	
	Poteau, OK	POTEOKXA09T	XY-15	C, T	1980		Moab, UT	MOABUTXC25T	XY-15	C	
	Sulphur, OK	SLPHOKXA09T	XY-15		1980	PNB	Coeur D'Alene, ID	CRALIDXX01T	XY-15		1980
	Baytown, TX	BYTWTXXA09T	SXS-1	C, T	1982		Burns, OR	BRNSORXX01T	XY-15		
	Brownfield, TX	BWFDTXXA09T	SXS-1	C, T	1988		Estacada, OR	ESCDORXX01T	XY-15		
	Brownwood, TX	BWWDTXXA09T	SXS-1	C, T	1983		Merrill, OR	MRRLORXA01T	XY-15		
	Burnet, TX	BURNTXXA09T	XY-15	C	1983		Myrtle Creek, OR	MYCKORXA01T	XY-15		
	Commerce, TX	CMRCTXXA09T	XY-15	C	1980		Redmond, OR	RDMDORXA01T	XY-15		1980
	Crockett, TX	CRCTTXXA09T	XY-15	C	1982		Cheney, WA	CHNYWAXA01T	XY-15		
	Decatur, TX	DCTRTXXA09T	XY-15	C	1980		Eatonville, WA	ETVLWAXA01T	XY-15	AUX	1980
	Del Rio, TX	DLRTTXXA09T	SXS-1	C, T	1989		Ellensburg, WA	ELBGWAXA01T	SXS-1		
	Dickinson, TX	DCSNTXXA09T	SXS-1	C, T	1981		Forks, WA	FRKSWAXX01T	SXS-1	AUX	1980
	Dimmitt, TX	DMMITTXXA09T	XY-15	C			Gig Harbor, WA	GGHRWAXA01T	XY-15	AUX	1981
	Dumas, TX	DUMSTXXA09T	SXS-1	C, T	1980		Grays River, WA	GRRVWAXA01T	SXS-1		
	Fairfield, TX	FRFDTXXA09T	XY-15				Kennewick, WA	KNWCWAXA01T	SXS-1		1980
	Fredericksburg, TX	FRBGTXXA09T	XY-15	C, T	1986						

Chart 8A

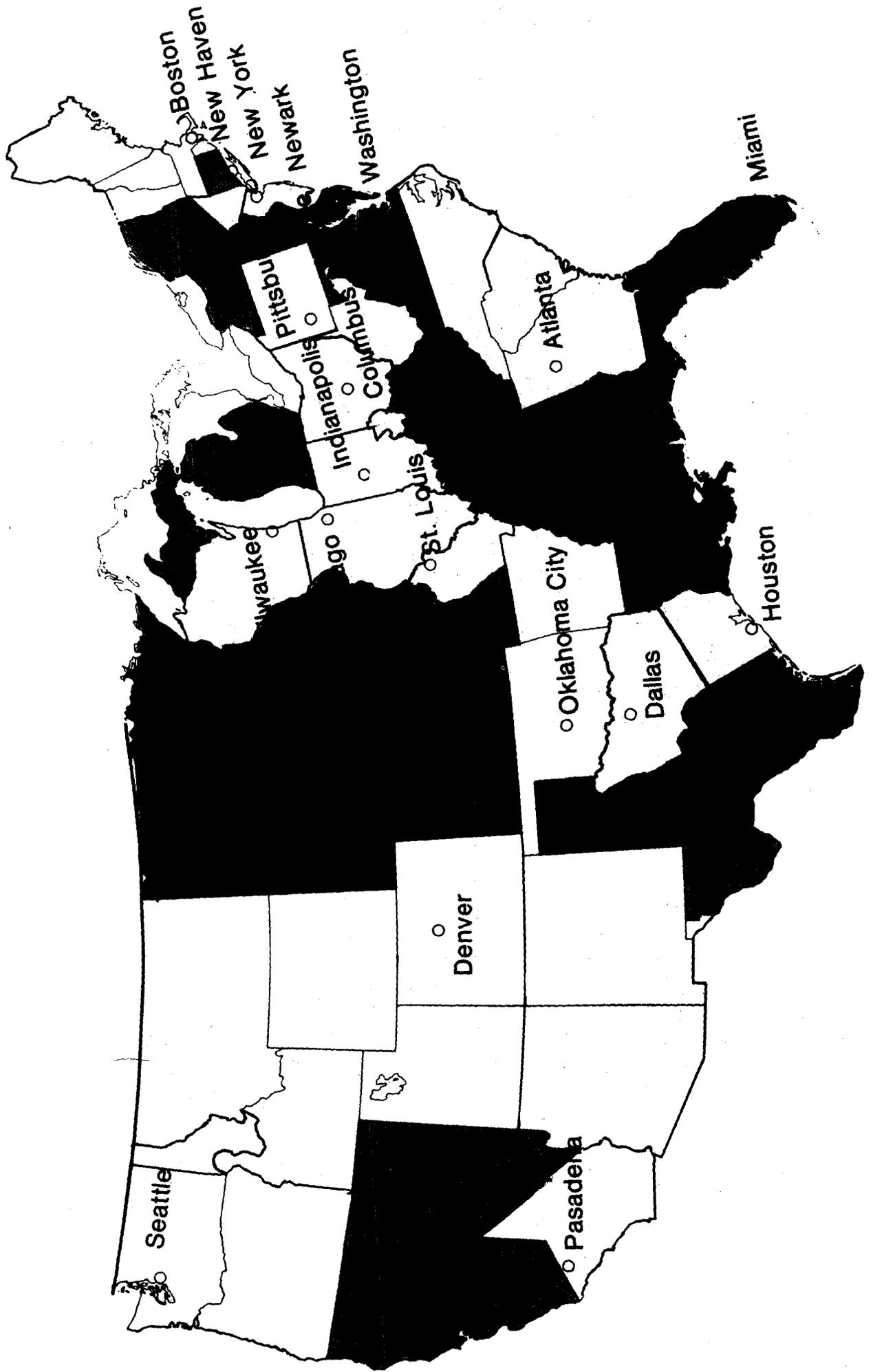
NON-BELL CLASS 4 STEP-BY-STEP OFFICES IN SERVICE - END OF 1979

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	Kingston, WA	KGTNWA01T	XY-15	AUX	1981	PAC	Reedley	RDLYCAXF35T	SXS-1		1981			
	Long Beach, WA	LNBHWA01T	XY-15				Ridgecrest	RDGCCAXF85T	SXS-1					
	Lynden, WA	LYNDWAXX01T	XY-15	AUX			Roseville	CTHTCAXF00T	SXS-1					
	Morton, WA	MRTNWA01T	XY-15				Sanger	SNGRCAXF56T	SXS-1					
	Naches, WA	NCHSWAXX01T	SXS-1	AUX			Santa Barbara	SNBB CAXF54T	SXS-1					
	Orting, WA	ORNGWAXA01T	XY-15	AUX			Santa Maria	SNTMCAXF55T	SXS-1					
	Poulsbo, WA	PLSBWAXX01T	SXS-1				Susanville	SSVLCAXF00T	XY-15					
	Tonasket, WA	TNSKWAXA01T	XY-15	AUX			Taft	TAFTCAXF51T	SXS-1					
	Vashon, WA	VSHNWAXA01T	SXS-1	AUX			Weaverville	WVVLCA XG00T	XY-15					
	Wenatchee, WA	WNTCWAXX01T	SXS-1				Yucca Valley	YCVYCAXG89T	SXS-1			C	1983	
	Westport, WA	WSPTWAXA01T	SXS-1	AUX			Elko, NV	ELKONVXF73T	XY-15				1984	
	Yelm, WA	YELMWAXA01T	XY-15	AUX			Fallon, NV	FLLNNVXA42T	XY-15			C	1983	
	PAC	Alturas	ALTRCAXF00T	SXS-1				Gardnerville, NV	GRDVNVXA78T			SXS-1		
		Barstow	BRSWCAXG65T	SXS-1				Pioche, NV	PICHNVXA96T			XY-15		1982
Bishop		BSHPCAXF81T	SXS-1		Stateline, NV	STLNNVXF58T	SXS		1981					
Blythe		BLYT CAXF83T	XY-15		Tonopah, NV	TNPHNVXB48T	SXS-7		1982					
Burney		BRNYCAXF33T	XY-15	AUX	Yerington, NV	YRTNNVXA46T	XY-15							
Colusa		COLSCAXF00T	XY-15		CINN	Oxford, OH	OXFROHXA01T	SXS-1						
Courtland		CRLDCA XG00T	SXS-1		ALSK	Fairbanks	FRBNAKZA01T	SXS						
Covina		COVNCAXG51T	SXS-1	AUX	HAWI	Hilo	HILOHIMNB1T	SXS-1						
Dos Palos		DSPLCAXF00T	XY-15			Lihue	LHUEHIMNB1T	SXS-1						
Exeter		EXTRCAXF00T	XY-15			Wailuki	WALKHIMNB1T	SXS-1						
Fort Jones		FTJNCAXF00T	XY-15		TCTS	Camrose, AB	CMRSAB0101T	SXS-11						
Garberville		GRVLCAXF00T	XY-15			Edson, AB	EDSOAB0101T	SXS-11						
Hemet		HEMTCAXF67T	SXS-1			Campbell River, BC	CBRVBC0101T	SXS-2						
Indio		INDICAXF69T	SXS-1			Cranbrook, BC	CRBKBC0101T	SXS-2						
Kerman		KRMNCAXF55T	SXS-1			Dawson Creek, BC	DWCKBC0101T	SXS-2	1982					
Lancaster		LNCS CAXG52T	SXS-1			Duncan, BC	DN CNBC0101T	SXS-2						
Manteca		MNTCCA XG00T	SXS-1			Fort Nelson, BC	FTNLBCXN01T	SXS						
O'Neals		ONLSCAXF00T	XY-15			Nelson, BC	NLSNBC0101T	SXS-2	1982					
Oxnard		OXNR CAXF53T	SXS-1		1980									
Palm Springs		PLSPCAXG71T	SXS-1		1983									
Perris		PERS CAXF92T	SXS-1		1983									
Redlands		RDLDCAXF75T	SXS-1		1982									

96

Chart 8A

EADAS/NM System



DISTANCE DIALING NETW

(INCLUDING REGIONAL AF



NETWORK - END OF 1979

(INTERNAL AREA BOUNDARIES)



- San Juan, P.R.
- Charlotte Amalie
- St. John's
- Santo Domingo
- Hamilton
- Eight Mile Rock
- Kingston
- Nassau
- Port Of Spain

TransCanada Telephone System

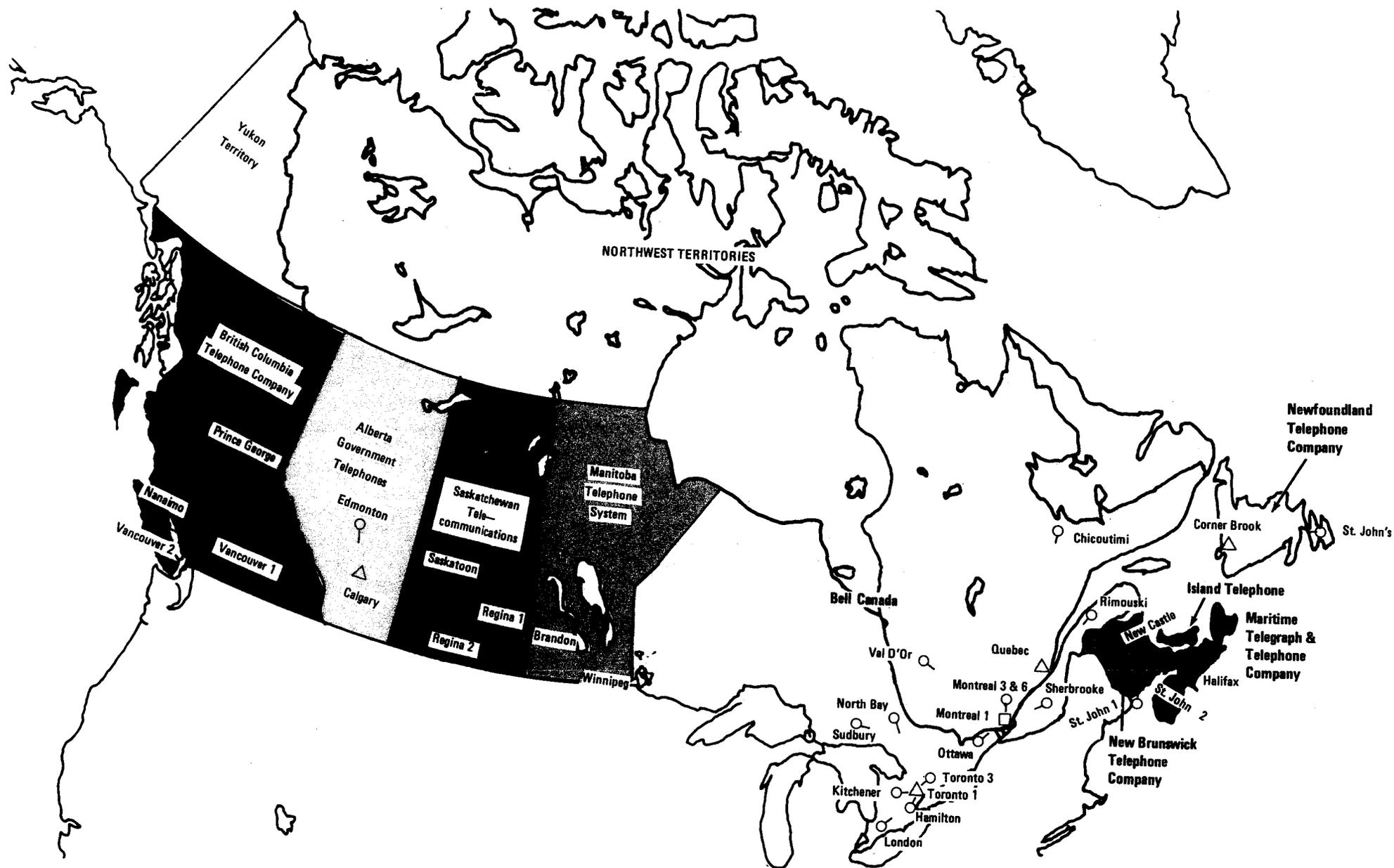


Chart 9

OTHER TOLL OFFICES IN SERVICE – END OF 1979

CO	LOCATION	CLLI	CLASS ¹	TYPE – MFG. ⁶	FEA-TURES ²	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
NY	Fulton	FLTNNYXA02T	4	1EAX-1	C	12/75		
	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	BNGRPAXB01T	4A	ITS-17	C	9/78		
	Conyngham-Drums	CNYNPAXC01T	4A	ITS-17	C	4/79		
	Elizabethville	EZVLPAXE01T	4A	ITS-17	C	11/79		
	Erie	ERIEPAXH41T	3TO	ETS4-10	C	1/76		1982
	Factoryville	FCTVPAXF01T	4A	ITS-17	C	7/78		
	Gibsonia	GIBSPAXG89T	4	1EAX-1		3/77		
	Mehoopany	MHPNANXM01T	4A	ITS-17	C	5/78		
	Quarryville	QRVLPAXQ01T	4A	ITS-17	C	10/78		
	Ridgway	RGWYPAXR89T	4	1EAX-1	C	6/78		
	Shickshinny	SHCKPAXS01T	4A	ITS-17	C	5/79		
	York	YORKPAXP49T	4TO	ETS4-10	C	6/78		
C&P	Chase City, VA	CSCYVAXA02T	4	ITS-4	C			
	Harrisonburg, VA	HRBGVAXA02T	4	1EAX-1	C	3/78		1981
	Manassas, VA	MNSSVAXA02T	4A	1EAX-1	C	1/77		
	Warsaw, VA	WRSWVAXA02T	4TO	DMS200-12	C	4/79		
	Waynesboro, VA	WYBOVAXA02T	4	1EAX-1	C	9/77		
	Bluefield, WV	BLFDWVXA12T	4	3EAX-1	C	7/79		
SO	Fort Myers 2, FL	FTMYFLXA03T	4	ETS4-10	C,T	9/78		1983
	West Point, GA	WSPNGAXA02T	4	ESC1-15		6/77		
	Concord, NC	CNCRNCXA02T	4	1EAX-1	C	10/75		1981
	Durham 3, NC	DRHMNCXM03T	4	1EAX-1				1981
	High Point, NC	HGPNNCXA02T	4	1EAX-1	C	3/78		
	Marshville, NC	MHVLNCCA02T	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	DTHNALXA02T	4	1EAX-1		6/76		
	Ashland, KY	ASLDKYXA02T	4	1EAX-1		8/77		
	Lexington, KY	LXTNKYXA06T	3	ETS4-10		6/75		1983
	London, KY	LONDKYXA06T	4	ESC1-15				
	Larose, LA	LARSLAXA01T	4	ITT-5	C,T			
	Welsh, LA	WLSHLAXA01T	4	ITT-5	C,T			
	Johnson City 2, TN	JHCYTNCX41T	4	ETS4-10		4/79		
OHIO	Delaware	DLWROHXA50T	4	1EAX-1		2/79		
	Lima	LIMAOHXA51T	4	ETS4-10	C,T	10/78		
	Lorain	LORNOHXE01T	4A	1EAX-1		6/77		
	Marion	MARNOHXC50T	4	3EAX-1	C	6/75		
	Medina	MEDNOHXB01T	4	1EAX-1	C,T	8/78		
	Orwell	ORWLOHXA50T	4A	ESC-15		5/74		
	Troy	TROYOHXA50T	4	1EAX-1	C	10/78		

Chart 9

OTHER TOLL OFFICES IN SERVICE – END OF 1979

CO	LOCATION	CLLI	CLASS ¹	TYPE – MFG. ⁶	FEA-TURES ²	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
MICH	Adrian	ADRNMXG17T	4	1EAX-1	C			
	Alma	ALMAMIXG12T	4	ETS4-10	C	/77		
	Muskegon	MSKGMIXK12T	4	ETS4-10		10/79		
IND	Elkhart	EKHTINXA02T	4	1EAX-1	C	7/79		
	La Porte	LAPTINXC02T	4	1EAX-1	C	5/78		
	Logansport	LGPTINXA05T	4	1EAX-1	C	11/77		
	Portage	PRTGINXA03T	4	3EAX-1		4/79		
	Princeton	PRTNINXA05T	4	1EAX-1	C	1/76		
	Richmond	RCMDINXB03T	4TO	3EAX-1	C	8/78		
WISC	Middleton	MDTNWIXA71T	4A	ESC1-15	C	/75		1980
	North Prairie	NPRRWIXA71T	4TO	ESC1-15		8/74		
	Rhineland	RHNLWIXA31T	4TO	Metaconta	L-8	11/78		
	Rice Lake	RCLKWIXB31T	4TO	3EAX-1	C	2/78		
	Wausau	WAUSWIXA31T	4TO	3EAX-1		12/79		
ILL	Carbondale	CRDLILXE50T	4	1EAX-1		8/77		
	Marion	MARNILXE50T	3	3EAX-1		6/79		
	Olney	OLNYILXE06T	3	SXS				1981
NW	Centerville, IA	CNVLIAXC09T	4	ITS4/5-17	C	/78		
	Knoxville, IA	KNVLIAXC09T	4	ITS4-17		4/79		
	Mount Ayr, IA	MTAYIAXC09T	4A	ITS4-17	C	8/78		
	Mount Pleasant, IA	MNPLIAXC09T	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		
	Lincoln, NE	LNCLNEXL12T	3	3EAX-1	C	12/78		
	Nebraska City, NE	NBCYNEXL02T	3	SXS-1	C			
	SW	Glenwood, AR	GLWDARXA08T	4	DMS1/200		4/79	
Holton, KS		HLTNKSXA01T	4TO	ITS4-17	C	11/78		
Columbia, MO		CLMAMOXAO9T	4	1EAX-1	C	7/78		1982
Oak Grove, MO		OKGVMOXA09T	4	ITS4/5-17		2/79		
Warner, OK		WRNRKXA01T	4	ITS4/5-17	C	12/79		
Andrews, TX		ANDRTXXA06T	4	ITS4/5-17	C,T	9/78		
Bryan, TX		BRYNTXXA01T	4	1EAX-1	C,T			1983
Denton, TX		DNTNTXXA03T	4	1EAX-1	C	/76		1984
Newton, TX		NWTNTXXA01T	4	ESC-15	C			
Pecos, TX		PECSTXXA01T	4	ITS4-17		4/79		

Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1979

CO	LOCATION	CLLI	CLASS ¹	TYPE - MFG. ⁶	FEA-TURES ²	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
PNB	Coeur D'Alene, ID	CRALIDXX03T	4A	ITS4-17				1980
	Beaverton, OR	BVTNORXB02T	4	3EAX-1		4/79		
	Lebanon, OR	LBNNORXB01T	4	DMS1/200		9/79		
	Canby-Needy, OR	CNBYORXA01T	4	DCO200-15		8/79		
	Sheridan, OR	SHRDORXA02T	4					
	Everett 2, WA	EVRTWAXA02T	4	3EAX-1		3/79		
	Ferndale, WA	FNDLWAXA02T	4A	ESC-15				
	Mount Vernon, WA	MTVRWAXX02T	4	ESC-15				
	North Bend, WA	NBNDWAXA01T	4A	DIG				
PAC	Big Bear Lake	BBLKCAXF68T	4A	ITS4-17		7/79		1985
	Crescent City	CRCYCAXFO2T	4	ITS4-17		12/78		
	Gilroy	GLRYCAXF84T	4	1EAX-1		6/79		
	Long Beach	LNBHCAXP40T	4	ETS4-10		5/75		
	Los Gatos	LSGTCAXF54T	4	1EAX-1		5/76		
	Ontario	ONTRCAXP91T	3TO	ETS4-10		11/78		
	Redlands	RDLDCAXF74T	4A	1EAX-1	C			
	San Miguel	SNMGCAXF03T	4A	ND205-9				
	Santa Monica	SNMNCAXP41T	4	ETS4-10		6/77		
ALKS	Anchorage 2	ANCRACKZA02T	3	ESS				
TCTS	Calgary 2, AB	CLGRAB2102T	2	SP1-11	C	6/76		1981
	Medicine Hat, AB	MDHTAB0203T	4	1EAX-2	C,T			
	Abbotsford, BC	ABFDBC0102T	4	1EAX-2	C	5/79		
	Kamloops, BC	KMLPBC0102T	4	1EAX-2		6/78		
	Kelowna, BC	KLWNBC0212T	4	1EAX-2	C,T	8/78		
	Nanaimo, BC	NNIMBC0101T	3	1EAX-2	C			
	Vancouver 1, BC	VANVCBC0101T	3	FW1-2	C	/59		
	Victoria, BC	VCTABC0102T	4	1EAX-2	C	1/79		
	Brandon, MB	BRNDMBO202T	3	SP1-11	C,T			
	Newcastle, NB	NWCSNBSC01T	3	5XB-11	C			
	St. John 2, NB	STJHNSU02T	2	SP1-11	C	4/79		
	Corner Brook, NF	CRBKNF0202T	2	SP1-11	C,T			
	St. John's, NF	STJHNF0102T	3	SP1-11	C			
	Hamilton 2, ON	HMTNON1402T	3	SP1-11	C,T	6/77		
	London 2, ON	LONDON1402T	3	SP1-11	C	3/77		
North Bay, ON	NRBAON2401T	3	5XB-11	C				
Ottawa 3, ON	OTWAON2303T	4	DMS200-12	C	1/79			

Chart 9

OTHER TOLL OFFICES IN SERVICE - END OF 1979								
CO	LOCATION	CLLI	CLASS ¹	TYPE - MFG. ⁶	FEA-TURES ²	SERVICE DATE		RETIRE- MENT DATE
						OFFICE	CCIS	
TCTS	Chicoutimi, PQ	CCTMPQ0301T	3	5XB-11	C			1983
	Montreal 3, PQ	MTRLPQ5803T	3	SP1-11	C,T	3/76		
	Montreal 6, PQ	MTRLPQ0106T	3	DMS200-11	C	/79		
	Quebec 2, PQ	QUBCPQ1402T	2	SP1-11	C,T	3/77		1981
	Rimouski 2, PQ	RMKIPQXA02T	3	SP1-11	C			
	Val D'Or, PQ	VLDRPQXA01T	3	5XB-11	C			
	Prince Albert, SK	PRNASK0102T	4	1EAX-2	C			
	Regina 2, SK	REGNSK0602T	1	SP1-11	C			
	Saskatoon, SK	SKTNSK0103T	3	SP1-11	C,T			1983
	Yorkton, SK	YKTNSK0102T	4	1EAX-2	C			
CARIB	St. Johns, AN	STJHANXX01T	3	ARM-18				
	Eight Mile Rock, BA	EMRKBAXX01T	3	5XB				
	Nassau, BA	NASSBAXX01T	3	5XB				
	Hamilton, BM	HMTNBM0001T	3	Metaconta	10C-8			
	Santa Domingo, DR	SNDMDRXX01T	3	SXS				
	Kingston 2, JM	KGTNJMXB01T	3	ARM-18				
	Caguas, PR	CGUSPRXB01T	4	DIG				
	San Juan, PR	SNJNPRXA01T	3	5XB				
	Port of Spain, TR	PTSPTR0001T	3	ARM-18				
	Charlotte Amalie, VI	CHAMVIXX01T	3	SXS				1980
MEX	Chihuahua	CHHHMXZA01T	3	ARM-18				
	Hermosillo	HRMSMXXA01T	3	ARM-18				
	Mexico City	MXCYMXSJ02T	2	AKE-18				
	Monterrey	MNTRMXZA02T	3	AKE-18				

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
NE	Rutland, VT	RTL DVTWE02T	1A -4	5/80	C, RTA	
	Springfield 3, MA	SPFD MABR02T	4E -2	5/80	T	
	Augusta, ME	AGST MEST02T	1A -4	3/81	C	
	St. Johnsbury, VT	STB YV TSM02T	1A -4	5/81	C	
	Manchester, NH	MNCH NH0003T	4E -3	4/82	C	
	Lewiston, ME	LSTN MEAS04T	1A -4	5/82	C, RTA	
	Pittsfield, MA	PTFDMA	1A -4	4Q/82	T	
	Brockton, MA	BRTN MA003T	4E -3	4/83		
	Bangor, ME	BNGR MEPA03T	1A -4	10/83	C, RTA	
	Waterville, ME	WTVL MEAP02T	5E -4	10/83		
	Framingham, MA	FRMN MAWA04T	4E -3	4Q/84		
	Providence, RI	PRVD RI WA05T	4E -3	5/85		
Presque Isle, ME	PRI SM ESE02T	1A -4	/85	C		
NY	New York	NYCM NYB WMSA	SPC-1A	4/80		Area STP
	Suffolk	HNTN NY S UMSA	SPC-1A	4/80		Area STP
	Poughkeepsie	P GHKN YSH05T	1A -3	4/80	T	4 wire hi-lo
	Olean	OLE NN YHA02T	1A -4	6/80	T	4 wire hi-lo
	White Plains 5	WHPL NY O504T	4E -1	8/80	T, I	
	New York 5450	NYCM NY5450T	4E -3	1/81	C, T, I	
	Utica	UTI CNY UT05T	1A -4	5/81	T	4 wire hi-lo
	Albany 3	ALBY NYSS05T	4E -2	2/82	T	
	Binghamton	BNGHN YHY06T	1A -3	5/82	T	4 wire hi-lo
	Syracuse	SYRC NY S U13T	4E -3	3/83	T	
	New York 38	NYCM NY3706T	4E -4A	1Q/83		
	Watertown	WTT WNY UNO4T	1A -4	9/83	T	4 wire hi-lo
Plattsburgh	PLBG NY PB	1A -3	2/84			
Buffalo	BFL ON YFR05T	4E -3	3/84	T		
NJ	Newark 8	NWRKN J0208T	4E -2	6/80	T	
	Rochelle Park 3	RCPKN J0203T	4E -3	7/82	T	
	Cedar Knolls 2	CDKNN JCK02T	4E -3	6/84	T	
	Hamilton Square 2	HMS QNJ HS02T	4E -3	/85	T	
PA	Philadelphia 4	PHLAP ASL42T	4E -3	5/80	C, T	
	Sharon	S HRNP AS H81T	1A -4	6/80		
	Harrisburg 2	HRB GP AHA42T	4E -2	11/80	C, T	
	Altoona	ALNAP AAL81T	1A -3	4/82	T	Add to local
	Bradford	BRFRP ABR81T	5E -4	/83		
	Warren	WRRNP AWA	5E -3	/84	C	
Williamsport	WLP TPA	1A -3	/85		Add to local	
C&P	Baltimore 10, MD	BLTMD CH01T	4E -3	8/80	T	
	Clarksburg, WV	CLBGW MA24T	1A -3	11/80	C	4 wire hi-lo
	Beckley, WV	BCKL WVWD22T	1A -4	12/80	C	
	Norfolk 4, VA	NRFLV ABS03T	4E -3	4/81	C, T	
	Annapolis, MD	ANNPMD AN07T	1A -4	12/81	C	Add to local
	Wheeling, WV	WLNGW WCP26T	1A -4	12/81	C	
	Winchester, VA	WNCHVAWC02T	1A -4	1/82	C	
	Charleston 2, WV	CHTNW WLE25T	4E -2	2/82	C	
	Arlington 3, VA	ARTNVACKO4T	4E -3	4/82	T	
	Arlington, VA	ARTNVACKMSA	SPC-1A	8/82		Area STP
Washington 1, DC	WASHDCS WMSA	SPC-1A	8/82		Area STP	

Chart 10

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class 1	Service Date	FEA- TURES 2	Remarks
C&P	Stranton, VA	STTNVAST02T	1A -4	1/83	C	
	Martinsburg, WV	MRGBWVBU22T	1E -4	11/83	C	
	Danville, VA	DAVLVADA02T	1A -4	/83	C, RTA	
	Leesburg, VA	LSBGVALB02T	5E -4	/83	C	
	Hagerstown, MD	HGTWMDHG03T	1A -4	/84		
	Norton, VA	NRTNVANO02T	1A -4	/84	C, RTA	
SO	Charleston, SC	CHTNSCDT04T	1A -4*	2/80	T	4 wire hi-lo
	Asheville 3, NC	AHVLNCOH03T	1A -3	5/80		4 wire hi-lo
	Charlotte 3, NC	CHRLNCCA03T	4E -2	5/80	T	
	Melbourne, FL	MLBRFLMA02T	1A -4	5/80		CL5 4-81
	Orlando 3, FL	ORLDFLMA03T	4E -2	9/80	T	
	Daytona Beach, FL	DYBHFLMA04T	1ESP-4	10/80	C, T	4 wire hi-lo
	Valdosta, GA	VLDSCGAMA02T	1ESP-4	11/80	C, T	
	Greensboro 3, NC	GNBONCEU03T	4E -2	3/81	T	
	Ojus, FL	OJUSFLTLMSA	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	T	
	Atlanta 5, GA	ATLNGANW05T	4E -4	3/82	T	
	Columbus, GA	CLMBCAMT43T	1A -4	4/82	C, T	4w add to local 2w
	Florence, SC	FLRNSCMA04T	1A -3	4/82	T	1A4w to local 1E2w
	Waycross, GA	WYCRGAMA02T	1ESP-4	5/82	T	
	Greenville, SC	GNVLSCTLO2T	4E -3	10/82	T	
	Macon, GA	MACNGAGA02T	4E -2	5/84	C, T	
	Raleigh, NC	RLGHNC	4E -3	7/84	T	
	Gainesville, FL	GSVLFLANO4T	DIG-3*	9/84	C, RTA	
Lenoir, NC	LENRNCHAO2T	5E -4	12/84			
Pensacola, FL	PNSCFBL04T	DIG-4	9/85	C, RTA		
Laurinburg, NC	LRBGNMA03T	5E -4	10/85			
SOCN	Gulfport, MS	GLPTMSTSO6T	1A -4	3/80		4 wire hi-lo
	Monroe, LA	MONRLAMA03T	1A -4	3/80		4 wire hi-lo
	Winchester, KY	WNCHKYMA01T	1A -3	5/80	T	4 wire hi-lo
	New Orleans 3, LA	NWORLAMA04T	4E -2	6/80	T	
	Louisville 2, KY	LSVLKYCS02T	4E -2	7/80	T	
	Madisonville, KY	MDV IKYMA01T	1A -3	12/80	RTA	4 wire hi-lo
	Knoxville 2, TN	KNVLTNMA71T	4E -3	1/81	T	
	Memphis, TN	MMPHTNMA43T	4E -3	2/81	T	
	Birmingham, AL	BRHMALMT01T	4E -2	4/81	T	
	Tupelo, MS	TUPLMSMA06T	1A -4	5/82		4 wire hi-lo
	Hattiesburg, MS	HTBGMSMA06T	1A -4	2/83		4 wire hi-lo
	Jackson, MS	JCSNMSPSO5T	4E -2	5/83		
	Baton Rouge, LA	BTRGLAMA	4E -4	2/84	T	
	Bowling Green, KY	BWLGKYMA01T	1A -4	5/84	RTA	4 wire hi-lo
	Tuscaloosa, AL	TSCLALMT01T	1A -4	/84		
Greenwood, MS	GNWDMMSMA06T	1A -3	9/85			
OH	Findlay	FNDYOH4211T	1A -4	9/80	C	
	Cleveland	CLEVOHO2MSA	SPC-1A	10/81		Area STP
	Akron	AKRNOH2503T	4E -3	4/84		
	Zanesville	ZNVLOH4550T	5E -4	12/84	C	

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
MICH	Detroit 3	DTRTMI BH50T	4E -2	4/81	T	
	Iron Mountain	IRMTMI MN20T	1ESP-4	/81	C	
	Escanaba	ESCNMI MN09T	1ESP-3	6/82	T	
	Pontiac 3	PNTCMI MN50T	4E -3	4/83	C,T	
	Marquette	MRQTMI MN20T	1ESP-4	/83	C	
	Traverse City	TRCYMI MN20T	1ESP-4	2Q/84	C	
	Grand Rapids 3	GDRPMI BL50T	4E -2	5/85	C,T	
IND	Indianapolis 2	IPLS IN0102T	4E -2	10/80	C,T	
	South Bend	SBNDIN	4E -2	/85	C,T	
WISC	Madison 4	MDSNWI0231T	4E -3	3/84	C,T	
ILL	Centralia	CENL IL CE50T	1ECC-4	11/80	C,T	
	Oak Brook 2	OKBRIL OA52T	4E -4	3/81	T	
	Quincy	QNCYIL QY50T	1A -4	8/81	C,T	
	Chicago	CHCGIL CLMSA	SPC-1A	10/81		Area STP
	Oak Brook	OKBRIL OAMSA	SPC-1A	10/81		Area STP
	Northbrook 3	NBRKIL NT5WT	4E -4	4/82	T	
	Peoria	PEORIL PJ51T	4E -2	2/83	C,T	
	Rock Island	RCIS IL RI50T	1A -4	2/83	C,T	Add to local
	NW	Mimeapolis 3, MN	MPLSMNDT18T	4E -2	5/80	C,T
Dickinson, ND		DCSNND BC06T	1A -4	11/80	C,T	
Iowa City, IA		IWCYIATC07T	1A -4	12/80	C,T	
Marshall, MN		MRSHMNMA06T	1ECC-4	4/81	C,T	
Mason City, IA		MSCYIATC07T	1A -3	4/81		4 wire hi-lo
Norfolk, NE		NRFLNENW06T	1A -4	4/81	C,T	4 wire hi-lo
Des Moines 2, IA		DESMIADT08T	4E -2	6/81	T	
Aberdeen, SD		ABRDSDCO04T	1A -4	7/81	C,T	4 wire hi-lo
Williston, ND		WLSTNDBC06T	1A -4	8/81	C,T	
Waterloo, IA		WTRLIADT17T	1A -4	11/81	C,T	4 wire add to local
Sioux City, IA		SXCYIADT17T	1A -3	6/82	C,T	4 wire hi-lo add
Bismarck, ND		BSMRNDBC07T	1A -3*	7/82	C,T	4 wire hi-lo
Dubuque, IA		DUBQIATC07T	1A -4	12/82	C	
Ottumwa, IA		OTTMIAO	5E -4	12/82	C	
Austin, MN		AUSTMNAU06T	5E -4	4Q/83		
Fergus Falls, MN		FRFLMNFF06T	5E -4	2Q/84		
Detroit Lakes, MN		DTLKMNDL06T	5E -4	3Q/84		
Rapid City, SD	RPCYSDCO06T	1A -4	4Q/85	C,RTA	4 wire hi-lo	
SW	Huntsville, TX	HNVITXHN01T	1A -4	3/80	C	4 wire hi-lo
	St. Louis 3, MO	STLSMO0934T	4E -1	5/80	C,T	
	Springfield, MO	SPFDMOC01T	1E -4A	6/80		Class 5 1982
	Tulsa 2, OK	TULSOKTBO4T	4E -3	6/80	C,T	
	Garden City, KS	GRCYKS0701T	1ECC-4	2/81	C	4 wire hi-lo
	Little Rock 2, AR	LTRKARFR15T	4E -3	2/81	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
	Houston, TX	HSTNTX01MSA	SPC-1A	9/81		Area STP
	Houston, TX	HSTNTX08MSA	SPC-1A	9/81		Area STP
	Little Rock, AR	LTRKARFRMSA	SPC-1A	11/81		Area STP
	St. Louis, MO	STLSMO09MSA	SPC-1A	11/81		Area STP
	Enid, OK	ENIDOKMA01T	1A -4	12/81	C,T	

Chart 10

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
SW	Springfield, MO	SPFDMOTL04T	4E -4	4/82	T	
	Austin 2, TX	AUSTTXGR02T	4E -4	5/82	C,T	
	Abilene, TX	ABLNTXOR03T	1A -3	2/83	C,RTA	4 wire hi-lo
	Longview, TX	LGVWXTL24T	4E -3	3/83	C,T	4 wire hi-lo
	Corpus Christi 2, TX	CRCHTXU02T	4E -3	4/83	C,T	
	Amarillo 2, TX	AMRLTX0201T	1A -3	5/83	C,RTA	
	Lubbock 2, TX	LBCKTXPS03T	4E -2	10/83	C	
	Durant, OK	DRNTOKMA01T	DI G-4	12/83	C,T	
	Midland 2, TX	MDLDTXMU02T	4E -2	4/84	C,T	
	Dodge City, KS	DDCYKS	1A -4	/85		
MTN	Cedar City 1, UT	CDCYUTMA01T	1E -4	2/80	T	
	Grand Jct. 2, CO	GDJTCOMA02T	1A -3	7/80	T	4 wire hi-lo
	Phoenix 3, AZ	PHNXAZMA03T	4E -3	9/80	T	
	Denver, CO	DNVRCOMAMSP	SPC-1A	4/81		Area STP
	Denver, CO	DNVROZJMSP	SPC-1A	4/81		Area STP
	Colorado Springs, CO	CLSPCOMA02T	4E -4	10/81	T	
	Salt Lake City 2, UT	SLKUTMA02T	4E -2	1/82	C,T	
	El Paso, TX	ELPSTXMA02T	1A -4	4/82	T	
	Twin Falls, ID	TWFLIDMA	1A -4	6/82		4 wire hi-lo
	Tucson 3, AZ	TCSNAZMA03T	4E -4	9/83	T	
PNB	Seattle 4, WA	STTLWA0604T	4E -3	5/80	C,T	
	Spokane 2, WA	SPKNWA0102T	4E -3	9/82	C,T	
	Eugene 3, OR	EUGNOR5302T	4E -3	2/83	C,T	
PAC	Los Angeles 4	LSANCA0470T	4E -2	2/80		
	San Francisco 3	SNFCCA2143T	4E -3	7/80	C,T	
	Anaheim 3	ANHMCA0211T	4E -2	3/81	T	
	Salinas	SLNSCA0114T	1A -3	3/81	C,T	4 wire hi-lo
	Modesto	MDSTCA0243T	1A -3	5/81	T	4 wire hi-lo
	Bakersfield	BKFDCA0140T	1A -3*	7/81	T	4 wire hi-lo
	Oakland 6	OKLDCA0344T	4E -2	9/81	C,T	
	San Luis Obispo	SNLOCA0106T	1A -3	9/81	T	4 wire hi-lo
	Oakland	OKLDCA03MSA	SPC-1A	1/82		Area STP
	San Francisco	SNFCCA21MSA	SPC-1A	1/82		Area STP
	San Jose 2	SNJSCA0241T	4E -2	3/82	C,T	
	Winnemucca, NV	WNMCNV01	1ECC-4	3/82	C	
	Reno, NV	RENONV0344T	4E -2	4/82	T	
	Gardena 3	GRDNCA0386T	4E -4	6/82	T	
	Sherman Oaks 5	SHOKCA0589T	4E -3	6/82	T	
	Anaheim	ANHMCA01MSA	SPC-1A	11/82		Area STP
	Gardena	GRDNCA02MSA	SPC-1A	11/82		Area STP
	Chico	CHICCA0188T	1A -3	1/83	T	4 wire hi-lo
	Los Angeles 5	LSANCA1692T	4E -4	3/83	T	
	Redding	RDNGCA0203T	1A -3*	5/83	T	4 wire hi-lo
	Santa Rosa 3	SNRSCA0202T	4E -2	4/84	T	
	Stockton 3	SKTNCA0104T	4E -2	5/84		
	Anaheim 4	ANHMCA0295T	4E -3	1/85		
	Eureka	EURKCA01	1A -3TO	4/85		4 wire hi-lo
Fresno	FRSNCA0245T	4E -3	5/85			
Gardena 4	GRDNCA03	4E -4	5/85			
San Francisco 4	SNFCCA	4E -3	6/85			

Chart 10

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
SNE	Hartford	HRFRCT0305T	1A -4	2/80		
	Bridgeport	BRPTCT0105T	1A -4	6/80		
	New Haven 5	NWHNCT0205T	4E -2	10/81	T	
	Danielson	DNSNCT0002T	5E -4	9/82		
	Waterbury	WTRBCT0003T	1A -4	2/83		
	Hartford 4	HRFRCT0306T	4E -3	4/84	C, T	
CINN	Cincinnati	CNCNOHWSMSA	SPC-1A	10/81		Area STP
NON-BELL						
NY	Dexter	DXTRN YXA	DIG-4	1/80		
	Holcomb	HLCMNYXA65T	ESC-4	1/80		
	Au Sable Forks	ASFKN YXA	DIG-4	12/81		
	Rochester	ROCHNYXA05T	4E -3	3/82		
	Johnstown	JHTWNYXA	DMS1/200-4	/82		
PA	Wellsboro	WLBOPAXW81T	ITS-4A	3/80	C	
	Meadville	MDVLPAXM81T	DMS1/200-4	6/80		
	Birdsboro	BRDSPAXB	DMS1/200-4	4/81	C	
	Oil City	OLCYPAXO81T	DMS1/200-4	/81		Class 5 1983
	Erie	ERIEPAXH42T	3EAX-3	/82		
	Waynesburg	WYBGPAXW81T	DIG-4	/82		
	Johnstown	JHTWPAXJ81T	DMS1/200-4	/83		
	Bedford	BDFRPAXB11T	DMS1/200-4	8/84		
	Butler	BTLRPABT81T	DSS1-4	/84		
	Vandergrift	VNDGPAXM81T	DIG-4	/85		
C&P	Dale City, VA	DLCYVAXA02T	DMS1/200-4	10/80	C, T	
	Franklin, VA	FKLVAXA02T	DMS1/200-4	10/80	C	
	Martinsville, VA	MIVIVAXA02T	2EAX-4	12/80	C	
	Rocky Mount, VA	RCMTVAXA02T	DMS1/200-4	12/80	C	
	Charlottesville, VA	CHVLVAXA02T	DMS1/200-4	2/81	C	
	Harrisonburg, VA	HRBGVAXA03T	DMS1/200-4	8/81	C	
	Wytheville, VA	WYVLVAXA02T	DIG-4	12/82	C	
	Smithfield, VA	SMFDVAXA02T	DMS1/200-4	/82	C	
	Edinburg, VA	EDBGVAXA02T	DIG-4	/83	C	
	Lexington, VA	LXTNVAXA02T	DMS1/200-4	/83	C	
	Covington, VA	CVTNVAXA02T	DIG-4	/84	C	
	SO	Winter Park, FL	WNPKFLXE03T	NEAX61-4	1/80	
Elkin, NC		ELKNNCXA03T	DMS1/200-4	9/80		
Hickory, NC		HCKRNCXA02T	DMS1/200-4	11/80		
Sylva, NC		SYLVNCA02T	DMS1/200-4	11/80		
Tallahassee, FL		TLHSFLXA02T	DMS1/200-4	12/80		
Durham, NC		DRHMNCXT02T	3EAS-4	6/81		
Tampa 4, FL		TAMPFLXA04T	4E -3	8/81		
Crestview, FL		CRVWFLXA02T	DMS1/200-4	/81		
Ft. Walton Beach, FL		FTWBFLXA02T	DMS1/200-4	/81		
Rocky Mount, NC		RCMNCXA03T	4E -3	6/82		
Clearwater, FL		CLWRFLXA03T	DIG-4	8/82		
Asheboro, NC		ASBONCA02T	DMS200-4	/83		
Sarasota, FL		SRSTFLXF03T	DIG-4	9/84		

Chart 10

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
NON-BELL						
SOCN	Foley, AL	FOLYALXA01T	DMS1/200-4	12/80		
	Cookeville, TN	CKVLTNXA71T	DMS1/200-4	12/81		
	Morehead, KY	MRHDKYXA02T	1EAX-4	10/82		
	Elizabethtown, KY	EZTWKYXA02T	1EAX-4	11/82		
	Lexington, KY	LXTNKYXA07T	3EAX-3	1/83		
	Glasgow, KY	GLSGKYXA02T	2EAX-4	9/83		
	Campbellsville, KY	CMVLYKXA02T	2EAX-4	9/84		
OHIO	Wooster	WSTROHXA01T	DMS1/200-4	5/81		
	Urbana	URBNOHXA51T	DMS1/200-4	6/81		
	Warren	WRRNOHXA51T	DMS1/200-4	8/81		
	Stony Ridge	STRGOHXA51T	DIG-4	11/81		
	Leipsic	LPSCOHXA50T	DMS1/200-4	4Q/81		
	Newark	NWRKOHXA51T	DMS1/200-4	1Q/82		
	Mount Vernon	MTVROHXA51T	DIG-4	5/82		
	Napoleon	NPLNOHXA51T	DMS1/200-4	9/82		
	Bowling Green	BWLGOHXA51T	LBU-4	3Q/82		
	Norwalk	NRWLOHXA51T	LBU-4	4Q/82		
	Celina	CELNOHXB50T	DIG-4	8/83		
	Mansfield	MNFDOHXA51T	DMS1/200-4	4Q/83		
	Oberlin	OBRLOHXA01T	DIG-4	/83		
Portsmouth	PTMOOHXA51T	LBU-4	/83			
MICH	Three Rivers	THRRMXG09T	3EAX-4	10/80		
	Alpena	ALPEMXG	2EAX-4	1/81		
IND	Fort Wayne	FTWYINXA03T	3EAX-4	1/80		
	Terre Haute	TRRHINXA03T	3EAX-4	8/80		
	Jasper	JSPRIN	DMS1/200-4	/81		
	Seymour	SYMRIN	DMS1/200-4	/81		
WISC	Mauston	MSTNWIAX31T	ITS4/5-4	3/80	C	
	Frederic	FRDRWIAX31T	ESC-4	5/80	C	
	Platteville	PTVLWIAX31T	2EAX-4	4/80	C	
	New Richmond	NWMDWIAX31T	DMS1/200-4	6/80	C	
	Boscobel	BOSCWIXA31T	DCO100-4	8/80	C	
ILL	Dixon	DIKNILXA50T	DMS1/200-4	1/81		
	Olney	OLNYILXE50T	3EAX-3	4/81		
	Macomb	MCMBILXD50T	DMS1/200-4	8/81		
NW	New Ulm, MN	NWULMMXN02T	DIG-4	5/80	C	
	Grimnell, IA	GRNLIAXC02T	DMS1/200-4	10/80	C,T	
	Alexandria, MN	ALXNMNXA02T	DIG-4	12/80	C	
	Fort Dodge, IA	FTDDIAXC	2EAX-4	1/81		
	Aurora, NE	AURRNEXM12T	DSS1-4	4/81	C	
	Fairmont, MN	FAMTMNXF02T	DIG-4	6/81	C	
	Scottsbluff 2, NE	SCCTSNE XU12T	DSS1-4	6/81	C,T	
	Hebron, NE	HBRRNEXL12T	DMS1/200-4	7/81	C,T	
	Wahoo, NE	WAHONEXL12T	DMS1/200-4	10/81	C,T	
	Creston, IA	CETNIAXC02T	DMS1/200-4	/81	C,T	
	Osceola, IA	OSCLIAXC		/81	C	

Chart 10

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
NON-BELL						
NW	Beatrice, NE	BTRCNEXL	GT D5-4	6/82	C, T	
	Hastings, NE	HSNGNEXL	GT D5-4	8/82	C, T	
	Neveda, IA	NEVDIAXC		/82	C	
	Chariton, IA	CHRTIAXC	DI G-4	/84	C	
SW	Decatur, TX	DCTRTXXA03T	DMS1/200-4	1/80		
	Dumas, TX	DUMSTXXA01T	ITS4/5-4	1/80	C, T	
	Groesbeck, TX	GRSBTXXA01T	DSS1-4	1/80	C, T	
	Marked Tree, AR	MRTRARXA07T	DSS1-4	3/80	C	
	Poteau, OK	POTEOKXA01T	DSS1-4	3/80	C	
	Sulphur, OK	SLPHOKXA	DCO-4	3/80		
	Ulysses, KS	ULYSKSA01T	DCO-4	3/80	C, T	
	Russell, KS	RSSLKSA05T	DSS1-4	4/80	C	
	Conroe, TX	CONRTXXA01T	DMS200-4	6/80	C	
	Winnie, TX	WNNETXXA	DI G-4	7/80		
	Russellville, AR	RSVLARXA08T	DMS1/200-4	10/80	C	
	Stephenville, TX	STVLTXXA03T	DI G-4	12/80		
	Jefferson City, MO	JFCYMOXA05T	DSS1-4	/80		
	Maryville, MO	MAVLMOXA09T	DSS2-4	/80		
	Athens, TX	ATHNTXXA03T	DI G-4	5/81		
	San Marcos, TX	SMRCTXXA01T	DSS1-4	5/81	C, T	
	Texarkana, TX	TXRKTXXA	DI G-4	5/81		
	Harrison, AR	HRSNARXA09T	DMS1/200-4	6/81	C, T	
	Killeen, TX	KLLNTXXA01T	DMS200-4	7/81		
	Dickinson, TX	DCSNTXXA01T	DMS200-4	9/81	C, T	
	Baytown, TX	BYTNTXXA01T	DMS200-4C	/81		
	Harrisonville, MO	HNVLMOXA09T	DSS2-4	/81		
	Warrensburg, MO	WRBGMOXA09T	DSS2-4	/81		
	Lufkin, TX	LFKNTXXA01T	DMS200-4	3/82	C, T	
	Commerce, TX	CMRCTXXA	DI G-4	9/82		
	Cameron, MO	CMRNM OXA09T	DI G-4	/82		
	Columbia, MO	CLMAMOXA01T	3EAX-4	/82		
	Rolla, MO	ROLLMOXA	DSS1-4	/82		
	Sullivan, MO	SLLVMOXA	DI G-4	/82		
	Bryan, TX	BRYNTXXA02T	DMS200-4	1/83	C, T	
	Kerrville, TX	KRVLTXXA02T	DSS1-4	2/83	C, T	
	Brownwood, TX	BWWDTXXA01T	3EAX-4	6/83	C, T	
	Burnet, TX	BURNTXXA01T	DMS1/200-4	6/83	C	
	San Angelo, TX	SANGTXXA01T	3EAX-4	6/83	C, T	
	Denton, TX	DNTNTXXA	DI G-4	1/84		
	Memphis, TX	MMPHTXXA01T	3EAX-4	6/84	C, T	
	Sherman, TX	SHMNTXXA	DI G-4	12/84		
	Pleasanton, KS	PLTNKSA	-4	/84	C	
	Wentzville, MO	WNVLMOXA	DMS1/200-4	/84		
	Fordyce, AR	FRDYARXA09T	DI G-4	/85		
MTN	Hobbs, NM	HBSNMXC	-4	/83		

Chart 10

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class ¹	Service Date	FEA- TURES ²	Remarks
NON-BELL						
PNB	Coeur D'Alene, ID	CRALIDXX02T	3EAX-4	4/80		
	Kennewick, WA	KNWCWAXA02T	3EAX-4	6/80		
	Redmond, OR	RDMDORXA02T	DMS1/200-4	12/80		
	Eatonville, WA	ETVLWAXA02T	DIG-4A	/80		
	Forks, WA	FRKSWAXA01T	DIG-4A	/80		
	Sheridan, OR	SHROORXA02T	DSS1-4	/80		
	Hood River, OR	HDRVORXA02T	DMS1/200-4	5/81		
	Gig Harbor, WA	GHRWAXA02T	DIG-4A	/81		
	Lynden, OR	LYNDORXX02T	DIG-4A	/81		
	Poulsbo, WA	PLSBWAXA01T	DIG-4	/81		
	Wenatchee, WA	WNTCWAXX02T	DMS1/200-4	/81		
	Yelm, WA	YELMWAXA02T	DMS1/200-4A	/81		
	PAC	Victorville 2	VTVLCAXA98T	NEAX61-4	6/80	
Ontario		ONTRCAXP80T	4E -3	8/81		
Stateline, NV		STLNNVXF	DIG-4	9/81	C	
Pioche, NV		PICHNVXA	DIG-4	3/82	C,T	
Tonopah, NV		THPHNVXB	DIG-4	3/82	C,T	
Las Vegas, NV		LSVGNVXB	DMS1/200-4A	9/82	C,T	
Fallon, NV		FLLNNVXA	DIG-4	6/83	C	
Santa Monica		SNMNCAXP43T	4E -4	8/83		
Elko, NV		ELKONVXF	DIG-4	/84	C,T	
Long Beach		LNBHCAXP45T	4E -4	/85		
TCTS		Calgary 4, AB	CLGRAB2104T	GTD3-2	9/81	
	Grand Prairie, AB	GDPRAB0102T	DMS1/200-4	1981	C,T	
	Camrose, AB	CMRSAB0602T	DIG-4	1982	C,T	
	Edmonton 4, AB	EDTNAB0204T	DMS1/200-3	1982		
	Red Deer, AB	RDDRAB	DIG-4	1984	C,T	
	Kelowna, BC	KLWNBC0202T	GTD3-3	1981	C,T	
	New Westminster, BC	NWNRBC0102T	GTD3-4	1981	C,T	
	Prince George 3, BC	PGRGBC0103T	GTD3-3	1981	C,T	
	Dawson Creek, BC	DWCKBC0102T	GTD3-4	1982	C	
	Nelson, BC	NLSNBC0102T	GTD3-4	1982	C	
	Vancouver 3, BC	VANVCB0103T	GTD3-3	1982		
	Campbell River, BC	CBRVBC0102T	DIG-4	1983	C	
	Terrace, BC	TRRCBC0202T	GTD3-4	1983	C	
	Cranbrook, BC	CRBKBC0102T	GTD3-4	1984	C	
	Williams Lake, BC	WLLKBC0102T	GTD3-4	1984	C	
	Winnipeg 2, MB	WNP GMB0102T	DIG-4	1983	C,T	
	Moncton 2, NB	MCTNNBSA02T	DMS1/200-4	1982	C,T	
	Bathurst, NB	BTSTNBSC02T	DMS1/200-3	1984	C,T	
	Gander, NF	GNDRNF XA03T	DMS1/200-4	1980	C,T	
	St. John's, NF	STJHNF	DIG-3	1982	C,T	
	Bay Roberts, NF	BARTNF	DMS1/200-4	1983	C	
	Corner Brook, NF	CRBKNF0203T	DMS1/200-2	1983	C,T	

NEW TOLL OFFICES PLANNED FOR SERVICE 1980-1985

Co.	Location	CLLI	Type - Class 1	Service Date	FEA- TURES 2	Remarks
NON-BELL						
TCIS	Halifax 3, NS	HLFXNS0103T	DMS1/200-2	1982	C	
	Sydney, NS	SYDNNS0102T	DMS1/200-4	1982		
	Kitchener 2, ON	KTNRON0602T	DMS1/200-3	3/80	C	
	Toronto 7, ON	TOROON0107T	DMS1/200-4	6/80	C	
	Kingston 2, ON	KGTNON0802T	DMS1/200-4	1981	C,T	
	Barrie, ON	BARION1802T	DMS1/200-4	1982	C	
	Toronto 8, ON	TOROON6308T	DMS1/200-4	1982		
	Sudbury, ON	SDBRON	DMS1/200-3	1983		
	Peterborough, ON	PTBOON0102T	DMS1/200-4	1984	C	
	Quebec 3, PQ	QUECPQ1403T	DMS1/200-2	1981	C,T	
	Trois Rivieres, PQ	TSRVPQ3203T	DMS1/200-4	1981	C	
	Montreal 7, PQ	MTRLPQ0207T	DMS1/200-2	1982	C	
	Sherbrooke 2, PQ	SHBKPQ4002T	DMS1/200-3	1982	C,T	
	Chicoutimi, PQ	CCTMPQ0302T	DMS1/200-3	1983	C,T	
	Regina 3, SK	REGNSK0603T	DMS1/200-2	11/81	C,T	
Swift Current, SK	SWCRSK0102T	DIG-4	3/82			
Saskatoon, SK	SKTNSK0103T	DIG-3	1983	C,T		
MEX	Mexicali	MXCLMXXF	AXE10-4	11/80		
	Tijuana	TIJNMXXF	AXE10-4	1/81		
	Guadalajara		-3	/81		
	Puebla		-3	/82		
	Celaya		-3	/83		
	Reynosa		-3	/84		
CARIB	CharlotteAmalie, VI	CHAMVIXA02T	NX1E-3	11/80		

Chart 11

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
IMPLEMENTATION SCHEDULE 1980 - 1983
(BASED ON APRIL 1980 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)

REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
White Plains	Springfield 3, MA	4ESS	5/80	
	Newark 8, NJ	4ESS	6/80	
	Poughkeepsie, NY	1AESS	6/80	
	Olean, NY	1AESS	8/80	
	White Plains 5, NY	4ESS	8/80	
	White River Jct., VT	1AESS	12/80	
	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	
	Elmira, NY	1AESS	2/82	
	Binghamton, NY	1AESS	5/82	
	Meriden, CT	1ESS	3/82	
	Rochester, NY (NB)	4ESS	3/82	
	Manchester, NH	4ESS	4/82	
	Rochelle Park 3, NJ	4ESS	7/82	
	Norwalk, CT	1ESS	10/82	
	Stamford, CT	1AESS	10/82	
	Hartford, CT	1AESS	1/83	
	Syracuse, NY	4ESS	3/83	
	New York 38, NY	4ESS	10/83	
	Brockton, MA	4ESS	4/83	
	Waterbury, CT	1AESS	4/83	
	Bridgeport, CT	1AESS	7/82	
	New London, CT	1AESS	7/83	
	Watertown, NY	1AESS	9/83	
New Haven, CT	1AESS	10/83		
Glens Falls, NY	1AESS	/83		
Wayne	Philadelphia 4, PA	4ESS	5/80	
	Baltimore 10, MD	4ESS	8/80	
	Harrisburg 2, PA	4ESS	11/80	
	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	11/82		

Chart 11

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
 IMPLEMENTATION SCHEDULE 1980 - 1983
 (BASED ON APRIL 1980 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)

REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
Pittsburgh	Youngstown 2, OH	4A	3/80	
	Saginaw 2, MI	4A	5/80	
	Winchester, KY	1AESS	5/80	
	Paintsville, KY	1AESS	10/80	
	Detroit 3, MI	4ESS	4/81	
	Charleston 2, WV	4ESS	2/82	
	Clarksburg, WV	1AESS	4/82	
	Pontiac 3, MI	4ESS	4/83	
	Altoona, PA	1AESS	12/83	
	Du Bois, PA	1ESS	12/83	
	State College, PA	1ESS	12/83	
Rockdale	Charleston, SC	1AESS	2/80	
	Monroe, LA	1AESS	4/80	
	Panama City, FL	1ESS	4/80	
	Savannah, GA	1ESS	4/80	
	Asheville, NC	1AESS	5/80	
	Charlotte 3, NC	4ESS	5/80	
	Albany, GA	1AESS	6/80	
	New Orleans 3, LA	4ESS	6/80	
	Rome, GA	1ESS	7/80	
	Orlando 3, FL	4ESS	9/80	
	Daytona Beach, FL	1ESS	10/80	
	Knoxville 2, TN	4ESS	1/81	
	Memphis, TN	4ESS	2/81	
	Greensboro 3, NC	4ESS	3/81	
	Birmingham, AL	4ESS	4/81	
	Tampa 4, FL (NB)	4ESS	8/81	
	West Palm Beach 4, FL	4ESS	8/81	
	Columbia 2, SC	4ESS	11/81	
	Athens, GA	1ESS	2/82	
	Atlanta 5, GA	4ESS	3/82	
	Columbis, GA	1AESS	4/82	
	Florence, SC	1AESS	4/82	
	Greenville, SC	4ESS	10/82	
	Augusta, GA	1ESS	12/82	
	Gainesville, GA	1AESS	2/83	
	Valdosta, GA	1AESS	4/83	
	Waycross, GA	1AESS	5/83	
Wilmington, NC	1ESS	/83		

Chart 11

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
IMPLEMENTATION SCHEDULE 1980 - 1983
(BASED ON APRIL 1980 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)

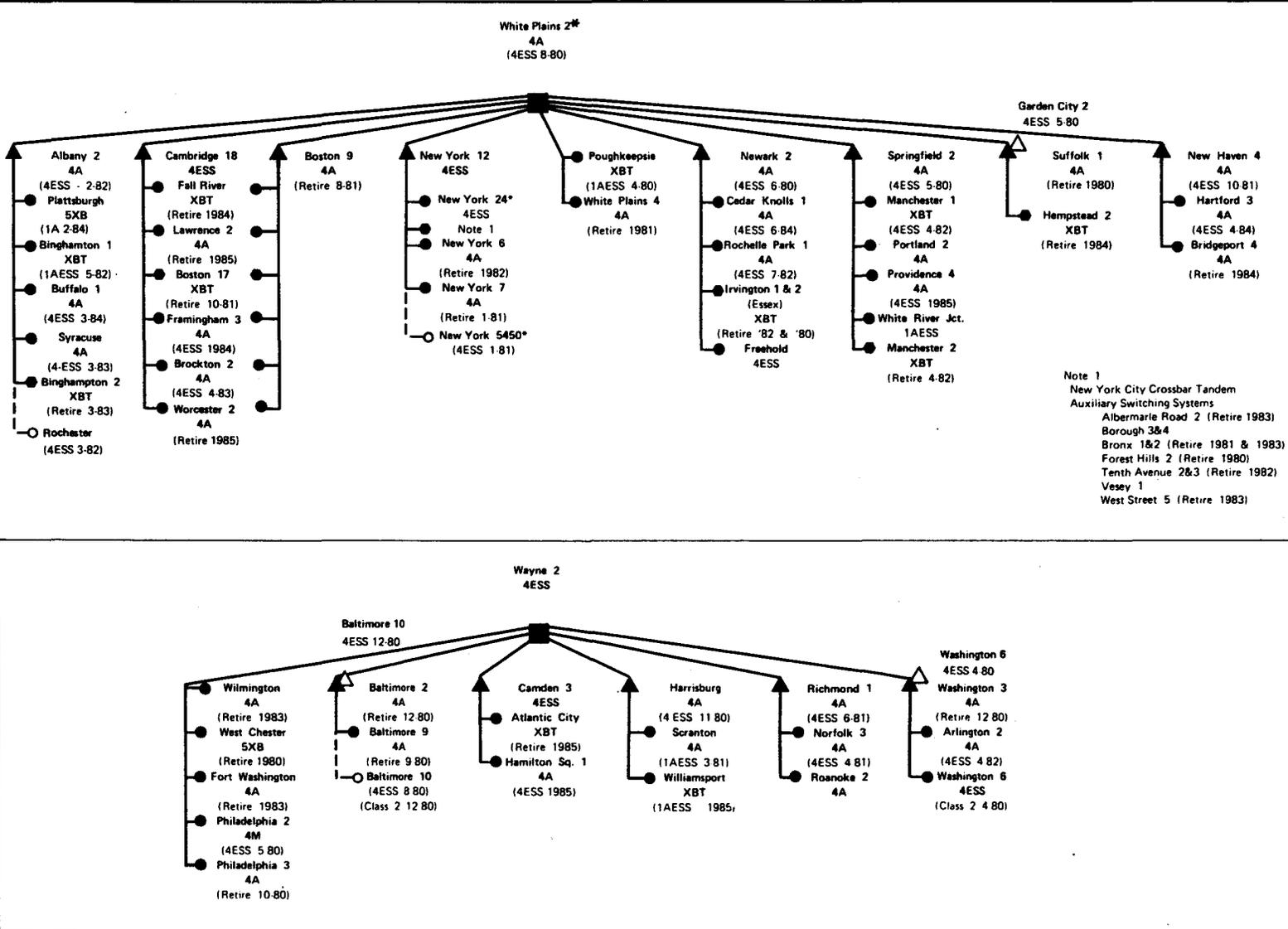
REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
Norway	Sioux Falls, SD	1ESS	3/80	
	Minneapolis 3, MN	4ESS	5/80	
	Joliet, IL	1ESS	9/80	
	Indianapolis 2, IN	4ESS	10/80	
	Oak Brook 2, IL	4ESS	3/81	
	Mason City, IA	1AESS	4/81	
	Des Moines 2, IA	4ESS	6/81	
	Waterloo, IA	1ESS	11/81	
	Northbrook 3, IL	4ESS	4/82	
	Sioux City, IA	1AESS	6/82	
	Bismarck, ND	1ESS	7/82	
	Peoria, IL	4ESS	2/83	
	Rock Island, IL	1AESS	2/83	
	Aberdeen, SD	1AESS	/83	
St. Louis	St. Louis 3, MO	4ESS	5/80	
	Fayetteville, AR	1ESS	6/80	
	Paducah, KY	1ESS	6/80	
	Louisville 2, KY	4ESS	7/80	
	Ft. Smith, AR	1ESS	9/80	
	Owensboro, KY	1AESS	9/80	
	Madisonville, KY	1AESS	12/80	
	Little Rock 2, AR	4ESS	2/81	
	Pine Bluff, AR	1ESS	2/81	
	Salina, KS	1AESS	4/81	
	Topeka, KS	1ESS	4/81	
	Wichita 2, KS	4ESS	4/81	
	Jonesboro, AR	1ESS	10/81	
	Enid, OK	1AESS	2/82	
Springfield, MO	4ESS	4/82		
Dallas	Tulsa 2, OK	4ESS	6/80	
	Huntsville, TX	1AESS	10/80	
	Beaumont, TX	1AESS	11/80	
	Waco, TX	1AESS	7/81	
	Lawton, OK	1AESS	10/81	
	Midland, TX	1AESS	2/82	
	Austin, TX	4ESS	5/82	
	Harlingen, TX	1ESS	5/82	
	El Paso, TX	1AESS	6/82	
	Lubbock, TX	1AESS	8/82	
	Abilene, TX	1AESS	3/83	
	Longview, TX	4ESS	3/83	
	Corpus Christi, TX	4ESS	4/83	
	Lubbock 2, TX	4ESS	10/83	

Chart 11

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
 IMPLEMENTATION SCHEDULE 1980 - 1983
 (BASED ON APRIL 1980 SOCC-SCHEDULE OF CONVERSIONS AND CUTOVERS)

REGION	LOCATION	TYPE	SERVICE DATE	REMARKS
Denver	Cedar City 1, UT	1ESS	3/80	
	Casper, WY	1AESS	4/80	
	Cheyenne 2, WY	1AESS	4/80	
	Billings 2, MT	1ESS	5/80	
	Helena 1, MT	1ESS	5/80	
	Grand Junction 2, CO	1AESS	7/80	
	Phoenix 3, AZ	4ESS	9/80	
	Colorado Springs 2, CO	4ESS	10/81	
	Salt Lake City 2, UT	4ESS	1/82	
	Provo, UT	1ESS	/82	
	Tucson, AZ	4ESS	9/83	
Sacramento	Seattle 3, WA	4ESS	5/80	
	San Francisco 3, CA	4ESS	7/80	
	Salinas, CA	1AESS	3/81	
	Modesto, CA	1AESS	5/81	
	Oakland 6, CA	4ESS	9/81	
	San Jose 2, CA	4ESS	3/82	
	Reno, NV	4ESS	4/82	
	Spokane 2, WA	4ESS	9/82	
	Eugene 3, OR	4ESS	2/83	
San Bernardino	Los Angeles 4, CA	4ESS	2/80	
	Anaheim 3, CA	4ESS	3/81	
	Bakersfield, CA	1AESS	7/81	
	Ontario, CA (NB)	4ESS	8/81	
	San Luis Obispo, CA	1AESS	9/81	
	Gardena 3, CA	4ESS	6/82	
	Sherman Oaks 5, CA	4ESS	6/82	
	Los Angeles 5, CA	4ESS	3/83	
	(NB) - indicates Non-Bell			

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1985)
 (Based On April 1980 Construction Budget View)



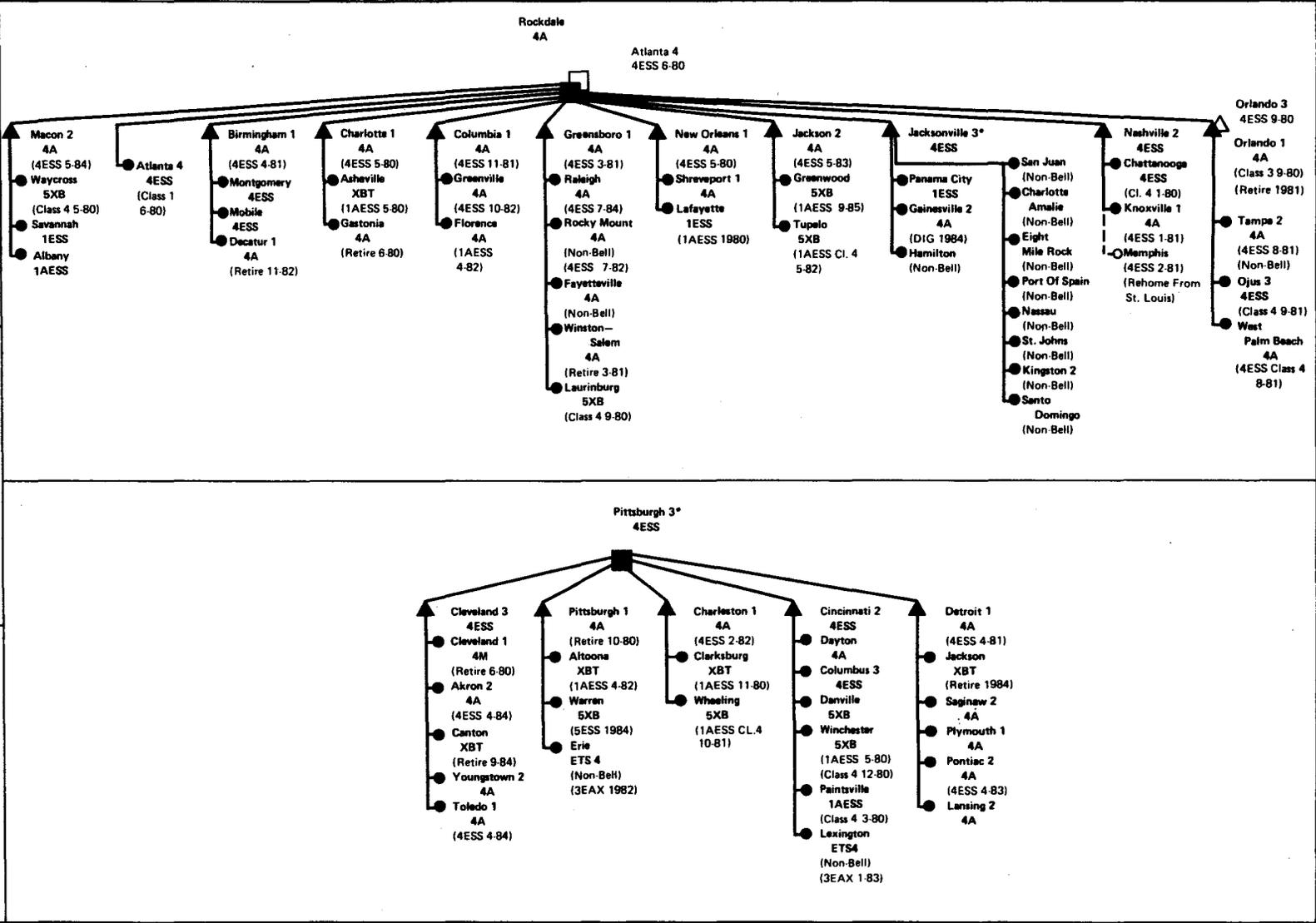
Note 1
 New York City Crossbar Tandem
 Auxiliary Switching Systems
 Albermarle Road 2 (Retire 1983)
 Borough 3&4
 Bronx 1&2 (Retire 1981 & 1983)
 Forest Hills 2 (Retire 1980)
 Tenth Avenue 2&3 (Retire 1982)
 Vesey 1
 West Street 5 (Retire 1983)

SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR COPS OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND SCHEDULING OF INTEROFFICE AND LOCAL DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

Existing
 Regional Center (Class 1)
 Sectional " " " " 2
 Primary " " " " 3
 Auxiliary Switching System
 Planned Date is shown in ()
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-79
 PLANNED BY END OF 1985
 FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1985)
 (Based On April 1980 Construction Budget View)

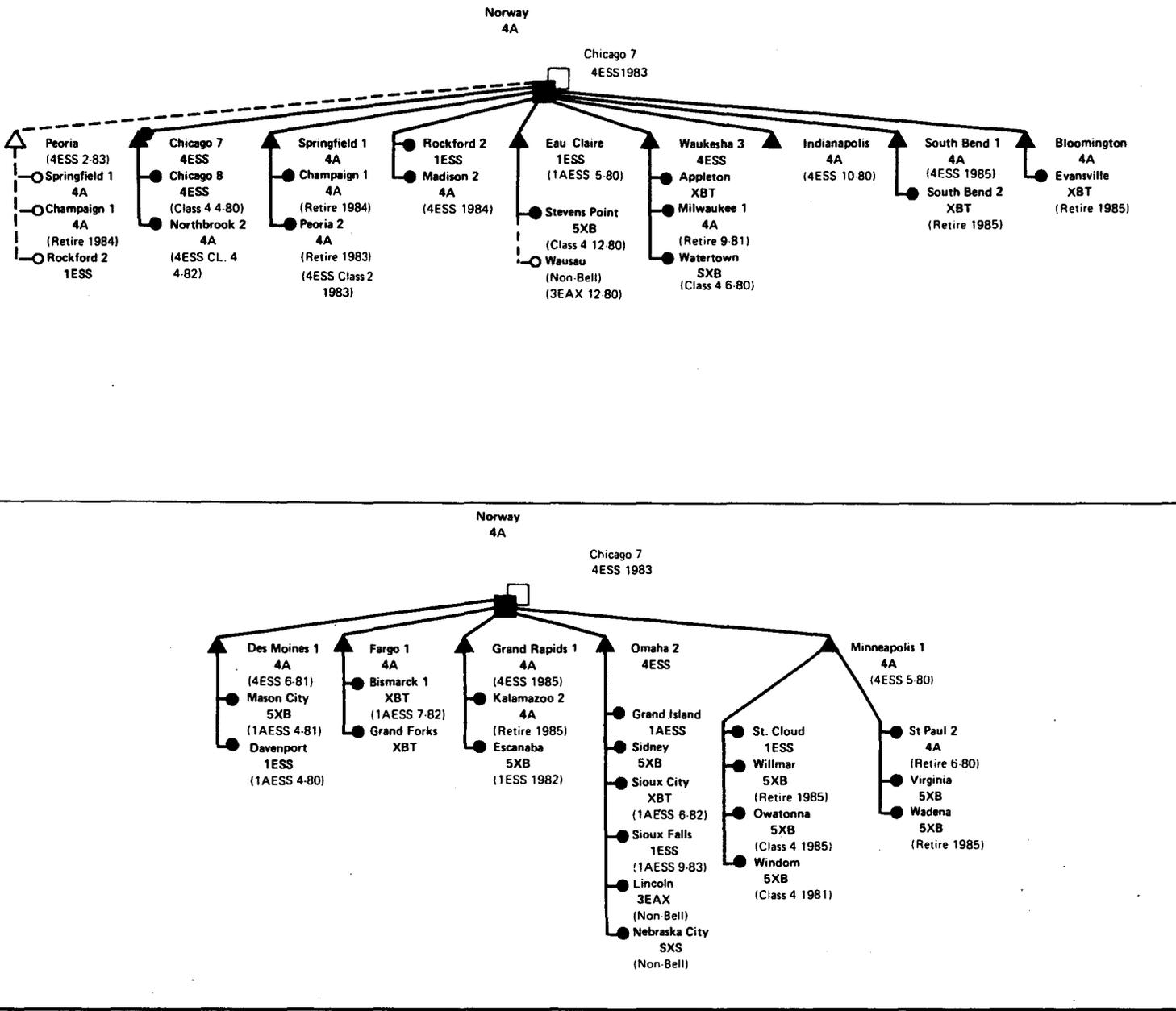


SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND ADEQUACY OF THE RECEIVING FACILITIES AT THESE LOCATIONS FOR DISTANCE DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

Existing CSP
 REGIONAL CENTER (CMA 1)
 SECTIONAL " " " " 21
 PRIMARY " " " " 31
 AUXILIARY SWITCHING SYSTEM
 PLANNED DATE IS SHOWN IN ()
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-79
 PLANNED BY END OF 1985
 FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1985)
 (Based On April 1980 Construction Budget View)

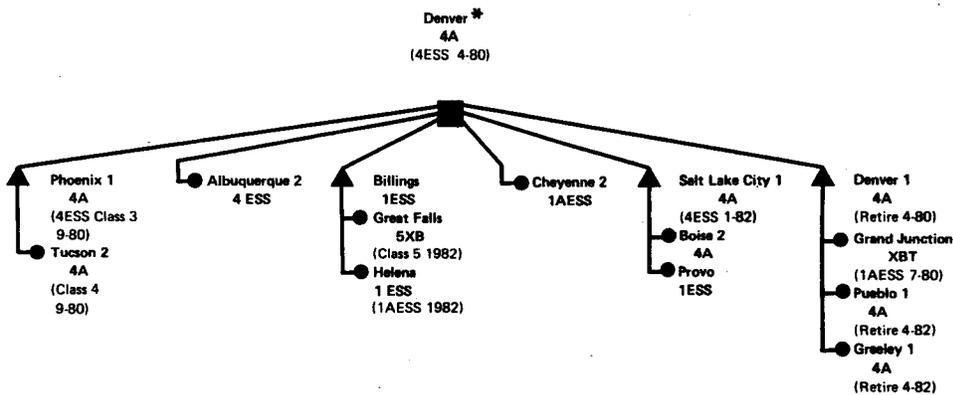
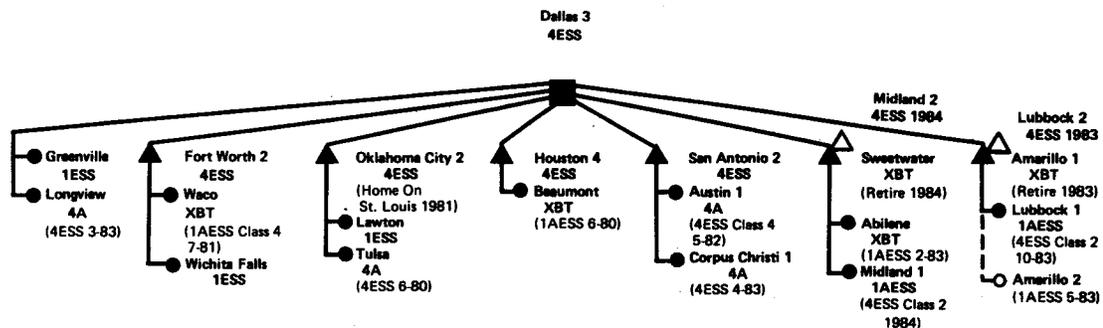
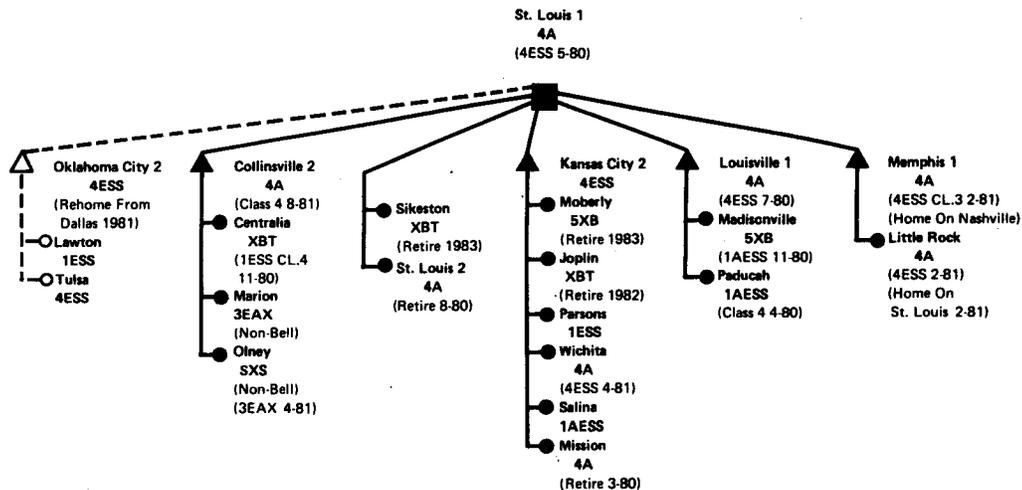


SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE LOCATION, SWITCHING POINT, AND CLASS ARE INDICATED BY A DASHED LINE. THE PRIORITY OF INTERFERING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

Existing CSP Future
 REGIONAL CENTER (Class 1) 1
 SECTIONAL " " 2
 PRIMARY " " 3
 AUXILIARY SWITCHING SYSTEM
 PLANNED DATE IS SHOWN IN ()
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-79
 PLANNED BY END OF 1985
 FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
(Present & Future Arrangements Through 1985)
(Based On April 1980 Construction Budget View)

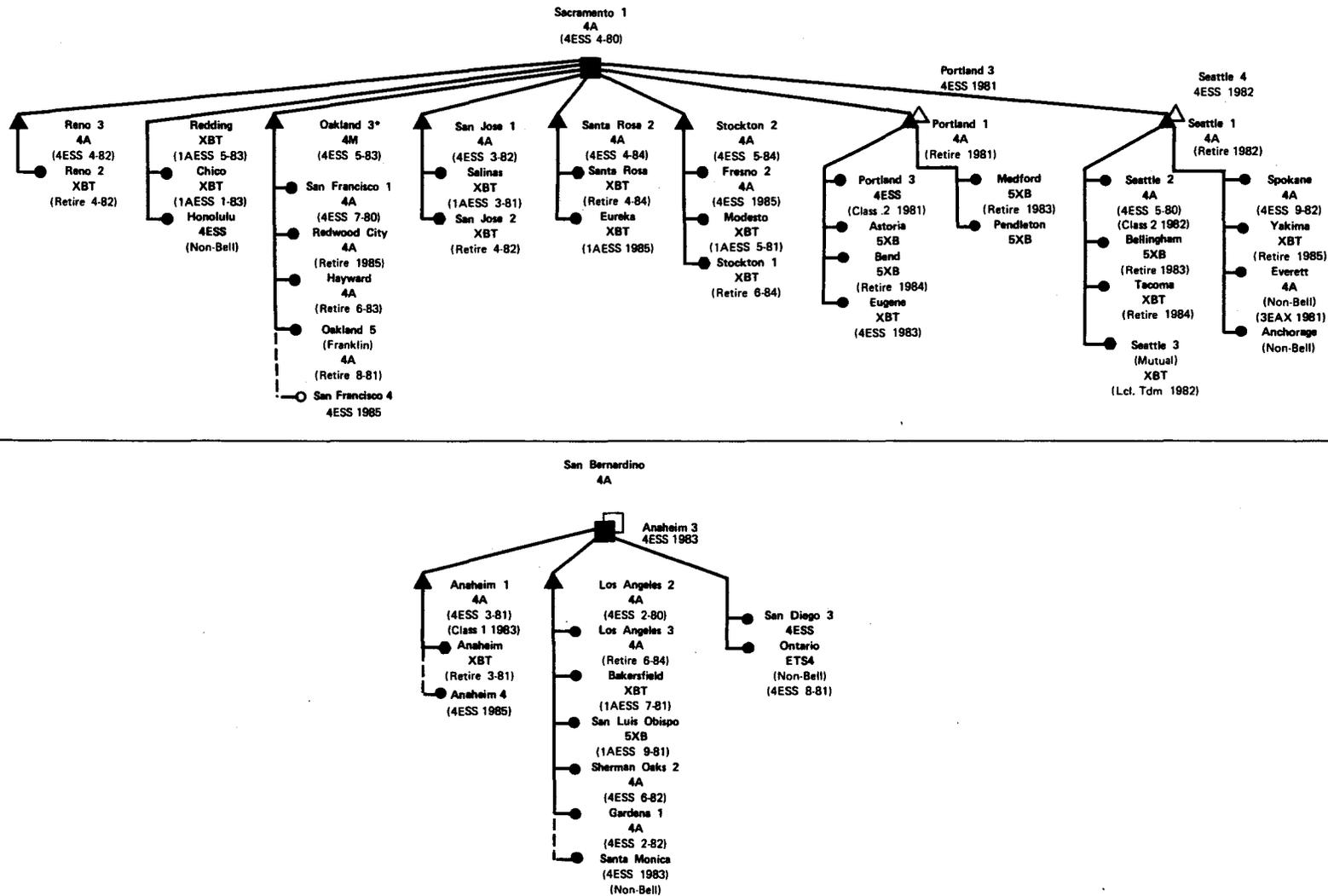


SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR CSP'S OF THE CLASSES SHOWN FOR DISTANCE DIALING. THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND ADEQUACY OF INTERCEPTING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

Existing CSP Future
 ■ REGIONAL CENTER (Class 1) □
 ▲ SECTIONAL " (" 2) □
 ● PRIMARY " (" 3) ○
 ● AUXILIARY SWITCHING SYSTEM
 PLANNED DATE IS SHOWN IN ()
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-79 _____
 PLANNED BY END OF 1985 - - - - -

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1985)
 (Based On April 1980 Construction Budget View)

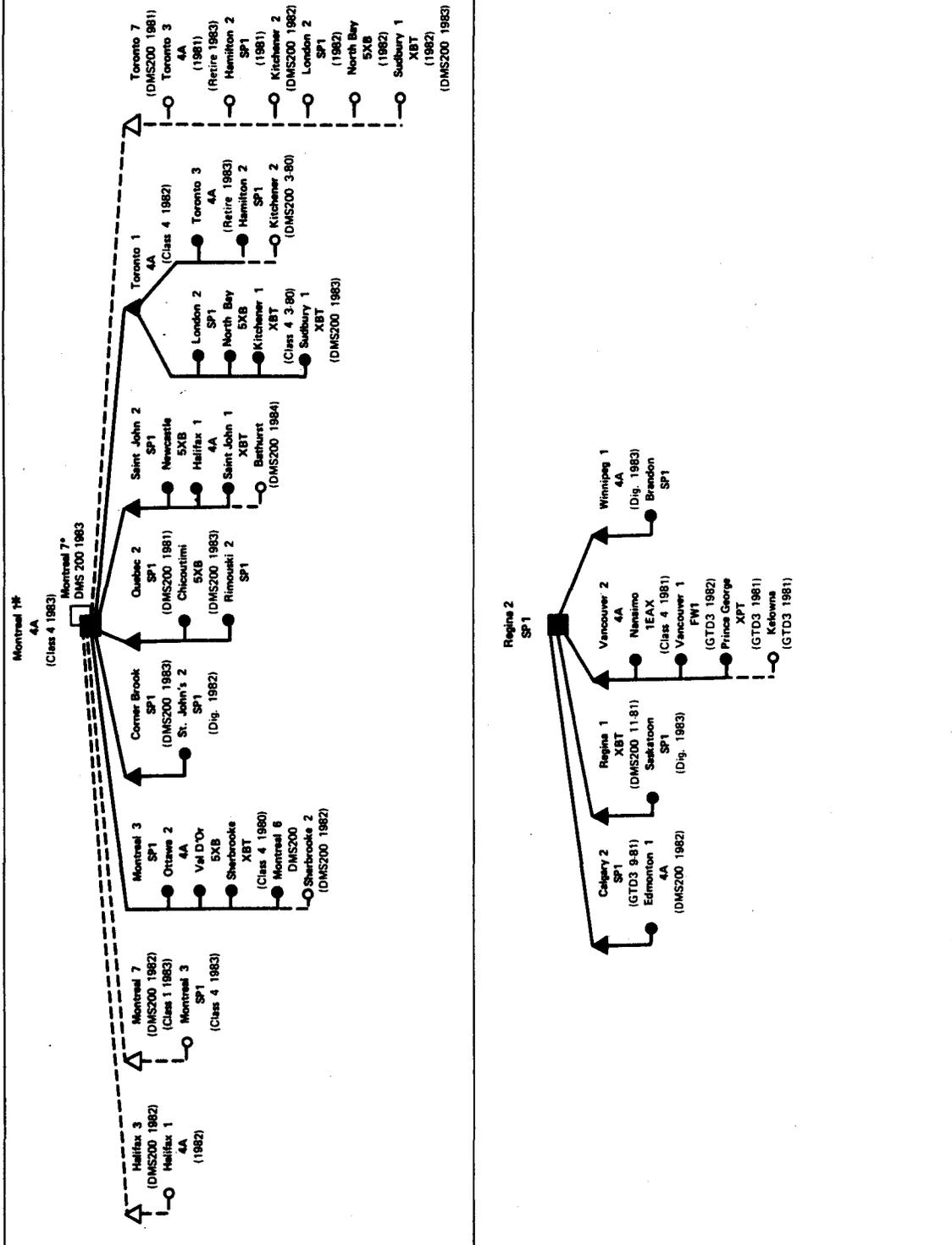


SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR CSP'S OF THE CLASS AS SHOWN FOR DISTANCE DIALING, THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND SCHEDULING OF INTERFERENCE PROTECTIVE DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

Existing CSP Future
 REGIONAL CENTER (Class 1) 1
 SECTIONAL " " " " 2
 PRIMARY " " " " 3
 AUXILIARY SWITCHING SYSTEM
 PLANNED DATE IS SHOWN IN 1
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12/31/79
 PLANNED BY END OF 1985
 FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1985)
 (Based On April 1980 Construction Budget View)



SOME OF THE LOCATIONS HAVE NOT MET ALL OF 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 TO GO THROUGH ANY SYSTEM.

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

IN SERVICE 12-31-79	—————
PLANNED BY END OF 1985	- - - - -
	FINAL GROUP

Chart 13

NUMBERING PLAN AREA PRINCIPAL CITIES					
END OF 1979					
AREA CODE	LOCATION	PRINCIPAL CITY MACHINE	AREA CODE	LOCATION	PRINCIPAL CITY MACHINE
201	New Jersey	Newark 2	601	Mississippi	Jackson
202	Dist. of Col.	Washington 3	602	Arizona	Phoenix 1
203	Connecticut	New Haven 4	603	New Hampshire	Manchester
204	Manitoba	Winnipeg	604	British Columbia	Vanconver 2
205	Alabama	Birmingham	605	South Dakota	Sioux Falls
206	Washington	Seattle 1	606	Kentucky	*Cincinnati
207	Maine	Portland 2	607	New York	Binghamton
208	Idaho	Boise	608	Wisconsin	Madison 2
209	California	Stockton 2	609	New Jersey	Camden 2
212	New York	New York 4 & 7	612	Minnesota	*Minneapolis
213	California	*Los Angeles 2	613	Ontario	Ottawa 2
214	Texas	Dallas 1	614	Ohio	Columbus 3
215	Pennsylvania	Wayne	615	Tennessee	Nashville
216	Ohio	Cleveland 2	616	Michigan	*Grand Rapids 1
217	Illinois	Springfield 1	617	Massachusetts	Boston 2 & 9
218	Minnesota	*Minneapolis	618	Illinois	Collinsville
219	Indiana	South Bend 1	701	North Dakota	Fargo
301	Maryland	Baltimore 2	702	Nevada	Reno 3
302	Delaware	Wilmington	703	Virginia	*Richmond
303	Colorado	Denver 1	704	North Carolina	Charlotte
304	West Virginia	Charleston	705	Ontario	*Toronto 1
305	Florida	*Orlando	707	California	Santa Rosa
306	Saskatchewan	Regina	709	Newfoundland	*Montreal 1
307	Wyoming	Cheyenne	712	Iowa	*Omaha, Nebraska
308	Nebraska	*Omaha	713	Texas	Houston 1
309	Illinois	Peoria 2	714	California	*San Bernardino
312	Illinois	Chicago 6	715	Wisconsin	Eau Claire
313	Michigan	*Detroit 1	716	New York	Buffalo
314	Missouri	St. Louis 1	717	Pennsylvania	Harrisburg
315	New York	Syracuse	801	Utah	Salt Lake City 1
316	Kansas	*Kansas City 2	802	Vermont	White River Jct.
317	Indiana	Indianapolis	803	South Carolina	Columbia
318	Louisiana	*Jackson, Mississippi	804	Virginia	Richmond 1
319	Iowa	*Des Moines	805	California	*Los Angeles 2
401	Rhode Island	Providence 4	806	Texas	Amarillo 1
402	Nebraska	*Omaha	807	Ontario	Thunder Bay
403	Alberta	Calgary	808	Hawaii	Honolulu
404	Georgia	Atlanta 1	809	Virgin Island	*Jacksonville, Florida
405	Oklahoma	Oklahoma City		Puerto Rico	
406	Montana	Billings	812	Indiana	Bloomington
408	California	San Jose 1	813	Florida	*Orlando
412	Pennsylvania	*Pittsburgh 1	814	Pennsylvania	*Pittsburgh 1
413	Massachusetts	Springfield 2	815	Illinois	Norway
414	Wisconsin	Waukesha 2	816	Missouri	*Kansas City 2
415	California	Oakland 3	817	Texas	Fort Worth
416	Ontario	*Toronto 1	819	Quebec	*Montreal 1
417	Missouri	Joplin	901	Tennessee	Memphis
418	Quebec	Quebec	902	Nova Scotia and Prince Edward Island	Halifax 1
419	Ohio	Toledo			
501	Arkansas	Little Rock	903	Mexico	*San Bernardino, Calif.
502	Kentucky	Louisville	904	Florida	*Jacksonville
503	Oregon	Portland 1	905	Mexico	Mexico City
504	Louisiana	New Orleans 1	906	Michigan	*Grand Rapids 1
505	New Mexico	Albuquerque	907	Alaska	*Seattle 1, Washington
506	New Brunswick	St. John	912	Georgia	Macon
507	Minnesota	*Minneapolis	913	Kansas	*Kansas City 2
509	Washington	Spokane	914	New York	White Plains 2
512	Texas	San Antonio 2	915	Texas	Sweetwater
513	Ohio	*Cincinnati	916	California	Sacramento 1
514	Quebec	*Montreal 1	918	Oklahoma	Tulsa
515	Iowa	*Des Moines	919	North Carolina	Greensboro
516	New York	Suffolk			
517	Michigan	*Detroit 1			
518	New York	Albany 2			
519	Ontario	*Toronto 1			

*Principal City for more than one NPA.

TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN SERVICE - END OF 1979

CO.	LOCATION	CLLI	SERVICE DATE	CO.	LOCATION	CLLI	SERVICE DATE
NE	Framingham, MA	FRMNMAUN1UD	6/70	SO	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	Albany (State)	ALBYNYSS1UD	1/71	Pensacola, FL	PNSCFLBL1UD	5/73	
	Dix Hills (Suffolk 1)	HNTNYSU1UD	5/71	Ojus 0, FL	OJUSFLTL1UD	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	OJUSFLTL2UD	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	
NJ	Morristown	MRTWNJMR1UD	1/69	Columbus, GA	CLMBGAMT1UD	12/75	
	Rochelle Park 1	RCPKNJO21UD	6/70	Savannah, GA	SVNHGABS1UD	5/76	
	New Brunswick	NBWKNJNB1UD	6/71	Daytona Beach, FL	DYBHFLMA1UD	10/76	
	Camden	CMDMNJCE1UD	4/72	Greenville, SC	GNVLSCTL1UD	1/78	
	Newark	NWRKNJO21UD	10/74	SOCN	Memphis, TN	MMPHTNMA1UD	5/70
	Hamilton Sq.	HMSQNJHS1UD	4/75		New Orleans, LA	NWORLAMA1UD	10/70
PA	Philadelphia	PHLAPAMK1UD	10/70		Nashville, TN	NSVLTNMT1UD	4/71
	Wilmington, DE	WLMGDEWL1UD	10/71		Chattanooga, TN	CHTGTNMA1UD	4/72
	Pittsburgh	PITBPADG1UD	12/71		Jackson, MS	JCSNMSPS1UD	5/72
	Fort Washington	FTWSPAFW1UD	7/74		Birmingham, AL	BRHMALMT1UD	6/72
	Harrisburg	HRBGPAHA1UD	12/75	Louisville, KY	LSVLKYCS1UD	4/73	
	Altoona	ALNAPAAL1UD	11/77	Knoxville, TN	KNVLTNMA1UD	5/74	
C&P	Washington, DC	WASHDCDT1UD	3/69	Shreveport, LA	SHPTLATL1UD	11/75	
	Norfolk (Bute St.), VA	NRFLVABS2UD	9/72	Baton Rouge, LA	BTRGLAMA1UD	4/77	
	Richmond (Grace St.), VA	RCMDVAGR1UD	9/73	Montgomery, AL	MTGMALMT1UD	4/78	
	Baltimore, MD	BLTMDCH1UD	3/74	OHIO	Cleveland	CLEVOH621UD	3/71
	Arlington, VA	ARTNVACK1UD	1/75		Columbus	CLMBOH111UD	6/71
					Dayton	DYTNHO221UD	2/72
			Youngstown		YNTWOH021UD	9/72	
			Akron		AKRNOH251UD	11/73	
			Toledo		TOLDOH211UD	5/74	

TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN SERVICE - END OF 1979

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, 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		PNB	Portland 1, OR	PTLDOR621UD
NW	Sioux Falls, SD	SXFLSDCO1EB	11/71	Seattle 1, WA		STTLWA011UD	9/71
	Minneapolis, MN	MPLSMNDT1UD	3/72	Portland 2, OR		PTLDOR622UD	12/79
	St. Paul, MN	STPLMNMK1UD	6/72	PAC	Redwood City 2	RDCYCA021UD	3/72
	Omaha, NE	OMAAENW5UD	3/75		San Francisco 1	SNFCCA011UD	3/72
	Des Moines, IA	DESMIADT5UD	10/77		Los Angeles 3	LSANCA031UD	4/72
SW	Houston 1 (Jefferson), TX	HSTNTXO11UD	2/70		Oakland-Franklin 3	OKLDCA031UD	5/72
	Dallas 1, TX	DLLSTXTL1UD	4/70		Anaheim 1	ANHMCA010UD	6/72
	Fort Worth 1, TX	FTWOTXED1UD	1/71	San Diego 2	SNDGCA021UD	6/73	
	San Antonio 1, TX	SNANTXCA1UD	5/71	Sherman Oaks 2	SHOKCA029UD	7/73	
	St. Louis, MO	STLSMOO91UD	8/71	Sherman Oaks 3	SHOKCA038UD	10/74	
	Kansas City, MO	KSCYMOO91UD	9/71	Reno 3, NV	RENONVO21UD	2/75	
	Oklahoma City, OK	OKCYOKCE1UD	9/71	Anaheim 3	ANHMCA012UD	4/78	
	Dallas 2, TX	DLLSTXTL2UD	11/71	Gardena 4	GRDNCA024UD	4/78	
	Houston 2 (Jefferson), TX	HSTNTXO12UD	12/72	Los Angeles 5	LSANCA015UD	4/79	
	Longview, TX	LGVWXTL1UD	4/73	San Jose	SNJSCA021UD	4/79	
	Tulsa, OK	TULSOKTB1UD	12/73	Sacramento	SCRMCA011UD	5/79	
	Little Rock, AR	LTRKARFR1UD	5/74				

TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN SERVICE -- END OF 1979

CO.	LOCATION	CLLI	SERVICE DATE	CO.	LOCATION	CLLI	SERVICE DATE
SNE	Norwalk	NRWLCT021EB	6/71				
	New Haven #2	NWHNCT021EB	7/72				
	Hartford #3	HRFRCT031EB	9/74				
CINN	Cincinnati	CNCNOHWS1EB	11/70				
Non-Bell	Tampa, FL	TAMPFLXA1EB	9/72				
	Park Ridge, IL	PRRGILXL1UD					
	Winter Haven, FL	WNHNFLXC1EB	10/77				
TCTS	Red Deer, AB*	RDDRAB0102T	7/77				
	Lethbridge, AB*	LTBRAB0202T	4/78				
	Calgary 3, AB*	CLGRAB2103T	6/78				
	Edmonton, AB*	EDTNAB0203T	7/78				
	Vegreville, AB*	VGVLAB0102T	4/79				
	Vancouver, BC	VANCBC011EB	11/74				
	Kelowna, BC	KLWNBC021EB	/79				
	Brandon, MB*	BRNDMB0202T	10/75				
	Winnipeg, MB*	WNPGMB0101T	4/78				
	Thompson, MB*	THSNMB0102T	10/78				
	Gander, NF	GNDRNFXA02T	8/77				
	Toronto 5, ON*	TOROON6305T	2/78				
	Toronto 6, ON*	TOROON6306T	2/78				
	Hamilton, ON*	HMTNON1402T	3/79				
	Thunder Bay, ON*	TDBAON3203T	5/79				
	Montreal 4, PQ*	MTRLPQ5804T	12/77				
	Quebec, PQ*	QUBCPQ1402T	4/79				
	Montreal, PQ*	MTRLPQ5803T	6/79				
	Rimouski, PQ*	RMKIPQXA02T	10/79				
Saskatoon, SK*	SKTNSK0103T	4/77					
Whitehorse, YT	WHTHYTXB02T	1/79					

Chart 15

NEW TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN-SERVICE - 1980-1985 (BASED ON APRIL 1980 CONSTRUCTION BUDGET VIEW)

CO.	LOCATION	CLLI	GENERIC	SHIP DATE	SERVICE DATE
NY	Buffalo	BFLONYFR1UD	10	3/79	7/80
	Broadway (NYC4)	NYCMNYNY	10		/83
NJ	Freehold	FRHDNJ021UD	9	8/80	6/81
C&P	Charleston, WV	CHTNWVLE1UD	10	2/81	5/82
SO	Ojus 2, FL	OJUSFLTL3UD	10	1/81	10/81
	Ojus 3, FL	OJUSFLTL4UD	1BT1	1/84	10/84
SOCN	Winchester, KY	WNCHKYMA1UD	8	7/79	5/80
NW	Fargo, ND	FARGNDBC1UD	8	4/79	3/80
SW	San Antonio 2, TX	SNANTXCA2UD	1BT1	5/79	4/81
	Little Rock 2, AR	LTRKARFR2UD	1BT1	1/83	12/83
MTN	Billings, MT	BLNGMTMA1UD	8	3/79	3/80
	Salt Lake City 2, UT	SLKCUTMA2UD	9	2/80	1/81
	Denver (Zuni), CO	DNVRCOZU	10	5/80	5/81
PNB	Seattle 6, WA	STTLWA061UD	9	7/80	6/81
PAC	San Diego 4	SNDGCA023UD	8	4/79	3/80
	Gardena 6	GRDNCA026UD	8	4/79	4/80
	Oakland	OKLDCA032UD	8	7/79	4/80
	Anaheim 5	ANHMCA014UD	9	7/80	4/81
	San Francisco	SNFCCA212UD	9	5/80	4/81
	Santa Rosa	SNRSCA021UD	9	3/80	4/81
	Fresno	FRSNCA011UD	9	1/80	6/81
	Sacramento	SCRMCA012UD	1BT1	3/82	4/83
	Fresno	FRSNCA012UD	1BT1	5/83	6/84
	<u>Non-Bell</u>				
	Tampa 2, FL	TAMPFLXA2EB			1981
TCTS	St. John's, NF*	STJHNF0102T			6/80
	Kingston, ON*	KGTNON0802T			11/80
	Charlottetown, PE*	CHTWPE0102T			1981
	Grande Prairie, AB*	GDPRAB0102T			1981
	Ottawa, ON*	OTWAON2302T			1981
	Prince George, BC	PGRGBC011EB			1981
	Regina, SK*	REGNSK0602T			1981
	Saint John, NB*	STJHNSU02T			1981
	Saskatoon, SK*	SKTNSK0103T			1981
	Camrose, AB*	CMRSAB0602T			1982
	Halifax, NS*	HLFXNS0103T			1982
	Moncton, AB*	MCTNNSA02T			1982
	New Westminster, BC	NWNRBC011EB			1982
	Sherbrooke, PQ*	SHBK PQ4002T			1982
	Bathurst, NB*	BTSTNBS01T			1983
	Chicoutimi, PQ*	CCTMPQ0302T			1983
	*Traffic Operator Position System				

INTERNATIONAL CALLING
END 1979
(Based On July 1980 Overseas Forecast)

REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE 8	NOTES	REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE 8	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 '81, IDDD '81	
	Bulgaria	NY	D	MAN	OPR-D '82, IDDD '83		Saudi Arabia	NY	D	IDDD		
	Czechoslovakia	NY	D	MAN	OPR-D '81, IDDD '82		Syrian Arab Rep.	NY	D	OPR-D	IDDD '81	
	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 '81
	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 '81	
	Greenland		V	MAN		Botswana			V	MAN		
	Hungary	NY	D	MAN	OPR-D '82, IDDD '83	Burundi			V	MAN		
	Iceland	NY	D	OPR-D		Cameroon		NY	D	OPR-D	IDDD '81	
	Ireland	NY, PBG	D	IDDD		Canary Is.		NY	D	IDDD		
	Italy	NY, WHPL	D	IDDD		Cape Verde Is.			V	MAN		
	Luxembourg	NY	D	IDDD		Cent. African Rep.			V	MAN		
	Malta	NY	D	OPR-D	IDDD '82	Chad			V	MAN		
	Netherlands	PBG, NY	D	IDDD		Congo (Brazvl)			V	MAN		
	Norway	PBG, NY	D	IDDD		Egypt		NY	D	OPR-D		
	Poland	NY	D	MAN	OPR-D '81, IDDD '82	Ethiopia		NY	D	OPR-D	IDDD '81	
	Portugal	NY	D	IDDD		Gabon		NY	D	OPR-D		
	Roumania	NY	D	IDDD		Gambia			V	OPR-D	DIRECT '81	
	St. Pierre & Miql		V	MAN		Ghana		NY	D	OPR-D	IDDD '85	
	Spain	NY, PBG	D	IDDD		Guinea			V	MAN		
	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, WHPL	D	IDDD		Liberia	NY	D	IDDD			
	Yugoslavia	NY	D	IDDD		Libya	NY	D	OPR-D	IDDD '82		
	MID EAST	Bahrain	NY	D	IDDD		Malawi		V	OPR-D		
Cyprus		NY	D	IDDD		Mali		V	MAN	DIRECT '82, OPR-D '82		
Iran		NY	D	IDDD		Mauritania		V	MAN			
Iraq		NY	D	IDDD		Mauritius		V	OPR-D			
Israel		PBG, NY	D	IDDD		Morocco	NY	D	OPR-D	IDDD '81		
Jordan		NY	D	OPR-D	IDDD '81	Mozambique		V	MAN			
Kuwait		NY	D	IDDD		Niger		V	MAN			
Lebanon		NY	D	OPR-D	IDDD '82	Nigeria	NY	D	OPR-D	IDDD '81		
						Reunion		V	MAN			
						Rwanda		V	MAN			

INTERNATIONAL CALLING
END 1979
(Based On July 1980 Overseas Forecast)

REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE 8	NOTES	REGION	COUNTRY	INTER-NATIONAL SW. 7 CENTER	ROUTE	SERVICE 8	NOTES		
AFRICA	Senegal	NY	D	OPR-D	IDDD'81	CARIB-BEAN	Neth. Antilles No	JKVL	D	IDDD			
	Seychelles		V	MAN			Neth. Antilles So	JKVL	D	IDDD			
	Sierra Leone	NY	D	MAN			St. Lucia		V	IDDD			
	Somalia		V	MAN			Trinidad	JKVL	D	IDDD			
	South Africa	NY,WHPL	D	IDDD			Turks & Caicos	JKVL	D	OPR-D			
	Sudan	NY	D	MAN			Windward Is. & St. Vincent		V	IDDD			
	Swaziland		V	OPR-D									
	Tanzania	NY	D	OPR-D			IDDD'81						
	Togo	NY	D	MAN				CENTRAL AMERICA	Belize	JKVL	D	IDDD	
	Tunisia	NY	D	OPR-D			IDDD'81	Costa Rica	JKVL	D	IDDD		
	Uganda	NY	D	OPR-D			IDDD'82	El Salvador	JKVL, PBG	D	IDDD		
	Upper Volta	NY	D	OPR-D				Guatemala	JKVL, PBG	D	IDDD		
	Zaire	NY	D	MAN			OPR-D'81, IDDD'85	Honduras	JKVL, PBG	D	IDDD		
	Zambia	NY	D	OPR-D			IDDD'81	Nicaragua	JKVL, PBG	D	IDDD		
Zimbabwe		V	OPR-D		Panama	JKVL, PBG	D	IDDD					
CENTRAL ASIA	Afghanistan		V	MAN	DIRECT'82	SOUTH AMERICA	Argentina	PBG,WHPL	D	IDDD			
	Bangladesh	NY	D	MAN	OPR-D'83		Bolivia	NY, PBG	D	IDDD			
	Bhutan		V	MAN			Brazil	PBG,WHPL	D	IDDD			
	Burma		V	OPR-D			Chile	PBG	D	IDDD			
	India	NY	D	OPR-D	IDDD'82		Colombia	PBG, NY	D	IDDD			
	Maldives Rep.		V	MAN			Ecuador	PBG,WHPL	D	IDDD			
	Nepal		V	MAN	DIRECT'82, OPR-D'82		Falkland Is.		V	MAN			
	Pakistan	NY	D	OPR-D	IDDD'81		French Guiana	PBG	D	OPR-D			
Sri Lanka	NY	D	OPR-D	IDDD'82	Guyana	JKVL	D	IDDD					
CARIB-BEAN	Antigua	JKVL	D	IDDD		Paraguay	PBG	D	IDDD				
	Bahamas	NY, JKVL	D	IDDD		Peru	PBG	D	IDDD				
	Barbados	JKVL	D	IDDD		Surinam	NY	D	OPR-D				
	Bermuda	NY, JKVL	D	IDDD		Uruguay	PBG	D	OPR-D				
	Brit. Virgin Is.	JKVL	V	IDDD		Venezuela	PBG, JKVL	D	IDDD				
	Cayman Is.	JKVL	D	IDDD		PACIFIC	Am. Samoa	DNVR	D	IDDD			
	Cuba (Havana)	Miami	D	MAN			Antarctica		V	MAN			
	Cuba (Guantanamo)	NY	D	MAN			Australia	NY, DNVR,	D	IDDD			
	Dominica		V	IDDD				OAK					
	Dominican Rep.	NY, JKVL	D	IDDD			Brunei		V	MAN			
	French Antilles	JKVL	D	IDDD			China, Peoples	DNVR	D	MAN			
	Grenada		V	IDDD			Rep. Of						
	Haiti	JKVL	D	IDDD			Christmas Is.		V	MAN			
	Jamaica	NY, JKVL	D	IDDD			Cook Is.		V	MAN			
Montserrat		V	IDDD		Fiji Is.		DNVR	D	IDDD				

INTERNATIONAL CALLING
 END 1979
 (Based On July 1980 Overseas Forecast)

REGION	COUNTRY	INTERNATIONAL SW. 7 CENTER	ROUTE	SERVICE 8	NOTES	REGION	COUNTRY	INTERNATIONAL SW. 7 CENTER	ROUTE	SERVICE 8	NOTES	
PACIFIC	Guam	DNVR	D	I DDD								
	Hong Kong	DNVR, OAK, PBG		D		I DDD						
	Indonesia	DNVR	D	I DDD								
	Japan	NY, DNVR, OAK	D	I DDD								
	Kiribati		V	MAN								
	Korea, Rep. Of	DNVR	D	I DDD								
	Laos		V	MAN								
	Malaysia	DNVR	D	I DDD								
	Midway Is.		V	MAN								
	Nauru		V	OPR-D								
	New Caledonia	DNVR	D	I DDD								
	New Hebrides		V	OPR-D								
	New Zealand	DNVR	D	I DDD								
	Papua New Guinea	DNVR	D	I DDD								
	Philippines	PBG, DNVR, OAK		D		I DDD						
	Saipan	DNVR	D	OPR-D								
	Singapore	DNVR	D	I DDD								
	Solomon Is.		V	OPR-D								
	Tahiti	DNVR	D	I DDD								
	Taiwan	DNVR	D	I DDD								
Thailand	DNVR	D	I DDD									
Tonga Is.		V	OPR-D									
Tuvalu Is.		V	MAN									
US Trust Tr.		V	MAN									
Wake Is.		V	MAN									
Western Samoa		V	OPR-D									

89

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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	J. E. Goodrich	201-221-4807
	Network Administration	Basking Ridge	R. S. Schulz	201-221-5788
	Bell Independent Relations	New York City	J. L. Macher	212-393-5977
LL	Switching Planning	Bedminster	R. Lehle	201-234-4632
	Switching Implementation	Bedminster	M. J. Garcia	201-234-4906
	Overseas-Canadian Relations	Morris Plains	F. Baumann	201-631-4019
	Overseas	Morris Plains	R. E. Williams	201-631-4437
BTL	Toll Switching Engineering	Holmdel		201-949-5497
WECO	Program Planning	Morristown	J. Porcello	201-631-7035

DISTANCE DIALING COORDINATORS AS OF APRIL 1, 1980

CO.	AREA	LOCATION	COORDINATOR	TELEPHONE NO.	CO.	AREA	LOCATION	COORDINATOR	TELEPHONE NO.
NE	Staff Massachusetts Northern States Rhode Island	Boston Framingham Manchester Providence	H. Freese E. B. Scheipers G. A. Faneuf P. A. O'Brien	617-743-4835 617-879-9279 603-645-3325 401-525-2424	NW	Staff Minnesota Iowa Nebraska South Dakota North Dakota	Omaha Minneapolis Des Moines Omaha Fargo Fargo	L. D. Reed J. S. Oakes K. L. Powell J. D. Harris L. J. Smith L. J. Smith	402-422-2274 612-344-6118 515-286-6948 402-422-2379 701-241-3629 701-241-3629
NY	-	New York	J. J. Pine	212-370-4456					
NJ	-	East Orange	E. Sellars	201-672-7190	SW	Corp. Staff Arkansas Kansas Missouri - West Missouri - East Oklahoma Texas - Staff Dallas Houston San Antonio	St. Louis Little Rock Topeka Kansas City St. Louis Oklahoma City Dallas Dallas Houston San Antonio	B. C. Gessley C. Graham H. L. Thompson W. M. Schmit W. H. Dahmer F. W. Kamp K. Thompson C. V. Looper C. D. Johnson J. L. Zumwalt	314-247-8237 501-371-5123 913-296-8811 816-275-8510 314-247-4291 405-236-7258 214-464-8549 214-745-6673 713-521-8304 512-222-5500
PA	Staff Eastern & Delaware Central Western	Philadelphia Philadelphia Harrisburg Pittsburgh	L. C. Franks H. A. Fischer A. H. Peters R. S. Stoker	215-466-2386 215-466-4377 717-255-4582 412-633-4783	MTN	Staff Arizona El Paso Colorado Idaho Montana New Mexico Utah Wyoming	Denver Phoenix El Paso Denver Boise Helena Albuquerque Salt Lake City Cheyenne	T. H. Garnett A. H. Hall, Jr. D. H. Becker P. L. Cronin E. A. Stafford L. C. Stetzner W. A. Anderson J. B. Barton G. E. Robinson	303-779-7008 602-263-1976 915-542-4455 303-624-7657 208-385-2986 406-449-3230 505-765-7454 801-237-6428 307-635-6341
C&P	Staff Washington Maryland Virginia West Virginia	Washington Washington Baltimore Richmond Charleston	M. E. Ricketts G. T. Costas E. M. Fields R. B. Prossie G. H. Gwim	202-493-3680 202-392-3111 301-393-7070 804-772-5791 304-344-6572	PNB		Seattle	G. D. Frampton	206-345-4060
SO	Hq. Staff Florida Staff North Florida South Florida Southeast Florida Georgia - Metro Georgia - Outstate North Carolina South Carolina	Atlanta Miami Jacksonville Miami Ft. Lauderdale Atlanta Atlanta Charlotte Columbia	C. Perkins, Jr. E. M. Kennedy R. W. Williams H. N. Ivestor J. R. Ellis M. L. McNabb T. J. Smith G. K. Robinson W. A. Humphries	404-529-8557 305-263-2132 904-353-2576 305-263-2342 305-492-3506 404-391-3453 404-391-2559 704-377-8726 803-799-9872	PAC	Staff Northern Sector Southern Sector Bay Sector Los Angeles Sector Nevada	San Francisco Sacramento San Diego San Francisco Pasadena Reno	D. R. King O. G. Sasse L. R. Rarick C. M. Bish W. R. Gowan D. Truhill	415-542-0803 916-648-5060 714-238-2655 415-542-1656 213-578-4046 702-789-6582
SOCN	Staff Alabama Kentucky Louisiana Mississippi Tennessee	Birmingham Birmingham Louisville New Orleans Jackson Nashville	W. C. Williams A. S. Williams A. P. Crump L. A. LaRocca G. L. Robertson V. E. Matthews	205-321-8529 205-877-5612 502-582-8719 504-528-7185 601-961-0560 615-298-7470	LL	Staff - Implementation Northeastern NYC Central Southern Midwestern Eastern Western	Bedminster White Plains New York Chicago Atlanta Kansas City Washington, DC San Francisco	M. W. Goodwin R. F. Wilhelm M. J. Washington J. W. Duncan W. H. Watts H. W. Towns end J. L. Torbert F. J. Curran	201-234-4949 914-320-2263 212-334-6578 312-885-8500 404-529-2641 816-391-2423 202-457-2030 415-442-2226
OHIO	-	Cleveland	J. J. Zubay	216-822-8809	Nor-Bell TCTS	TransCanada Tel. Sys.	Ottawa	W. R. Middleton	613-560-3103
MICH	-	Southfield	K. A. Killoran	313-424-0130					
IND	-	Indianapolis	W. E. Beville	317-265-3959					
WISC	-	Milwaukee	P. B. Cramton	414-678-2164					
ILL	-	Chicago	R. L. McDowell	312-727-6193					
SNE	-	New Haven	D. A. Foster	203-771-8545					
CINN	-	Cincinnati	W. P. Keidel	513-397-4151					

Chart 18

I DDD INTER-DEPARTMENTAL COORDINATORS AS OF APRIL 1, 1980

CO.	COORDINATOR	TELEPHONE NO.	REMARKS
NE	A. R. Henderson	617-743-4943	
NY	J. R. Mellert J. C. Telesco	212-395-6651 212-956-7391	
NJ	R. C. Harrison	201-649-3292	
PA	J. M. Larock	215-466-2972	
C&P	B. Allen	202-392-8941	
SO	J. B. Grainger	404-529-8108	
SOCN	R. T. Mason W. C. Williams	205-321-8494 205-321-8529	
OHIO	R. R. McWilliams	216-822-7257	
MICH	C. E. Ossowski	313-223-8344	
IND	A. Jungnickel	317-265-2999	
WISC	R. A. Brown	414-456-2306	
ILL	K. E. Gerler	312-727-2963	
NW	M. E. Cox	402-422-8070	
SW	J. R. Toland	314-247-8171	
MTN	L. E. Yeats	303-779-7160	
PNB	L. T. Dodd	206-345-2660	
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	
AT&T	R. S. Crice J. F. Delancey R. E. Jackson, Jr. W. P. Plossl M. J. Giovaniello R. Gaddis J. A. Hurley M. J. Schlosser W. R. Micou L. K. Lai R. H. Carr C. A. Jeffcoat H. W. Wood D. C. Zachau C. R. Zeugner R. J. Keevers	201-221-3512 201-221-3522 201-221-3528 201-221-4759 201-221-4870 201-221-6324 201-540-6368 201-221-3959 201-699-7655 212-393-3835 201-631-4130 201-631-4505 201-234-6745 201-631-4495 201-631-4450 201-949-5388	Operator Services - Chairman Operator Services Operator Services Network Administration Exchange Systems Design Business Marketing Residence Marketing Residence Marketing Comptrollers Tariff & Cost Long Lines - Rates Long Lines - Operator Svcs. Long Lines - Net. Operations Long Lines - TFC. RTG. Guide Long Lines - Planning Bell Telephone Laboratories

SUMMARY OF TOLL SWITCHING SYSTEMS BY TYPE AND CLASS – END OF 1979

Type	4ESS				4XB				1/1A ESS			XBT			5XB		SXS		TOTAL						
	1	2	3	4	1	2	3	4	2	3	4	2	3	4	3	4	3	4	1	2	3	4	Tot.		
NE		1				2	6	1		1	2		4	15		17		31		3	11	66	80		
NY		1	1	1	1	2	5	3			3		14	39	1	22		9	1	3	21	77	102		
NJ		1	1			1	3	3			2		3	10		5				2	7	20	29		
PA	2					2	5				7		2	11	2	11		10	2	2	9	39	52		
C & P			1	1		4	4				6		1	6	1	21		3		4	7	37	48		
SD		1	2		1	5	7	4		3	7		1	2	2	17		10	1	6	15	40	62		
SOCN		1	2	1		5	3	1		3	8			1	5	32		5		6	13	48	67		
OHIO		1	1				5				2		1	5		10		9		1	7	26	34		
MICH						2	5	1			3		1	10	1	4		6		2	7	24	33		
IND						3					4		2			7		5		3	2	16	21		
WISC		1					2		1		3		1	2	2	3		6		2	5	14	21		
ILL		1	1		1	2	3	1		1	4		1	9		11			1	3	6	25	35		
NW		1				3	1			4	7		3	2	7	26		20		4	15	55	74		
SW	1	5			1		8			7	18	2	5	3	1	36		8	2	7	21	65	95		
MTN			1	1	1	3	4	2	1	3	3		1	2	1	11		16	1	4	10	35	50		
PNB			1			2	2				3		4		5	5		4		2	12	12	26		
PAC			1	1	2	7	8	4			3		11	7	1	8		15	2	7	21	38	68		
BELL OPR CO	3	14	12	5	7	43	71	20	2	22	85	2	55	124	29	246		157	10	61	189	637	897		
SNE						1	2				10			9		1		7		1	2	27	30		
CINN		1														1		1		1		2	3		
NON-BELL*			1	1			4	6						8		101	2	323			7	439	446		
TCTS					1	3	4					1	5	9	11	69	1	61	1	4	21	139	165		
TOTAL	3	15	13	6	8	47	81	26	2	22	95	3	60	150	40	418	3	549	11	67	219	1244	1541		
TYPE TOTAL	37				162				119			213			463@		552								

NOTES: Source – Charts 3-9 For The 50 States Plus Canada (TCTS)

* 50 States

Selective Routing Tandem

⊕ Other Type Switching Systems

⊙ Class 1 and 2 XB Systems

NON-BELL⊕			6	90	96
TCTS⊕	1⊙	4⊙	2	8	15
TOTAL	12	71	227	1342	1652

Notes Associated With Charts 3-10 & 16

Note 1

SRT	Selective Routing Tandem
A or AUX	Auxiliary Switching System – Offices originating and/or terminating toll traffic but not included in Traffic Routing Guide
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

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

