

1978

**distance
dialing
coordinating
handbook**



distance dialing coordinating handbook



Vol. 17 Issue 1

| | | | |
|-------------|--|-------|--------------|
| Chart 1 | — Distance Dialing Statistics | Page | 1 |
| Chart 2 | — Nationwide Cutover Dates. | Page | 2 |
| Chart 3 | — No. 4ESS Type Systems in Service | Page | 3 |
| Chart 4 | — Bell System No. 1ESS/1AESS Tandem Systems in Service. | Pages | 4-6 |
| Chart 5 | — No. 4 Type Toll Crossbar Offices in Service | Pages | 7-12 |
| Chart 6 | — Crossbar Tandems in Service | Pages | 13-21 |
| Chart 7 | — Bell System No. 5 Crossbar Class 3 & 4 in Service. | Pages | 22-26 |
| Chart 8 | — Bell System Step-by-Step CAMA and CSP's in Service. | Page | 27 |
| Chart 9 | — Bell System Step-by-Step Class 4 Offices in Service. | Pages | 28-30 |
| Chart 10 | — Other Toll Systems In Service | Page | 31 |
| Chart 11 | — New Toll Offices Planned for Service | Pages | 32-38 |
| Chart 12A-F | — Control Switching Points and their Homing Arrangements — Originating Traffic | Pages | 39-44 |
| Chart 13 | — Common Channel Interoffice Signaling (CCIS) | Pages | 45-48 |
| Chart 14 | — Numbering Plan Area Principal Cities | Page | 49 |
| Chart 15 | — Traffic Service Positions System No. 1 (TSPS) In Service | Page | 50 |
| Chart 16 | — New Traffic Service Positions Systems Planned. | Pages | 51-52 |
| Chart 17 | — Distance Dialing Coordinators. | Page | 53 |
| Chart 18 | — IDDD Inter-Departmental Coordinators | Page | 54 |
| Chart 19 | — Switching Summary — Type & Class | Page | 55 |
| | Distance Dialing Network Map | | (Centerfold) |
| | Numbering Plan Area Map. | | (Back Cover) |

**Distance Dialing
Coordinating
Committee**
K.L.Hanson
F.H. Parkinson
W.S. Hinckley
C.A. Pfitzinger
M.J. Stefanik
G.R. Rosenberger
L.A. Ratliff, Jr.
J.L. Macher
R.A. Hamilton
R. Lehle
A.C. Soldavini
J. Porcello
P.K. Bohacek
R.F. Elson

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

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 1978 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

Chart 1

DISTANCE DIALING STATISTICS AUGUST 1978 CONSTRUCTION BUDGET VIEW

| LONG DISTANCE MESSAGES-BELL OPERATED (During Year-Millions) | 1977 (Actual) | 1978 | 1979 |
|---|---------------|--------|---------|
| Intrastate*ϕ | 8180.3 | 9221.7 | 10060.4 |
| Interstate*ϕ | 4834.7 | 5340.4 | 5802.3 |
| % Dialed By Customers (DDD)* | 84.1 | 85.0 | 85.5 |
| % Dialed By Operators (DDD)* | 8.0 | 6.1 | 5.1 |
| % Customer Dialed Operator Serviced (TSPS, TSP)* | 7.9 | 8.8 | 9.4 |

| OUTWARD INTERNATIONAL MESSAGES (During Year-Millions) | | | |
|---|------|------|------|
| Total | 31.0 | 41.9 | 58.7 |
| IDDD Countries | 25.1 | 35.5 | 55.8 |
| % IDDD – Customer Dialed | 30.5 | 33.6 | 36.9 |
| % IDDD – Operator Dialed (IOTC) | 44.4 | 46.4 | 50.0 |
| % IDDD – Operator Dialed (IOC) | 25.1 | 20.0 | 13.1 |

| TELEPHONES (End Of Year – Millions) | Bell Cos. | Non-Bell | Bell Cos. | Non-Bell | Bell Cos. | Non-Bell |
|-------------------------------------|-----------|----------|-----------|----------|-----------|----------|
| Total Main Tels. & Equip. Main Tels | 75.1 | 18.8 | 78.3 | 19.4 | 81.2 | 20.3 |
| Equipment For DDD | 74.8 | 18.5 | 78.0 | 19.2 | 80.9 | 20.2 |
| Equipped For IDDD | 20.5 | | 25.0 | | 30.4 | |
| Served By TSPS Or Equivalent | 57.5 | 3.0 | 66.5 | 4.8 | 73.6 | 6.6 |
| With ANC Numbering | 72.2 | 18.8 | 78.2 | 19.3 | 81.2 | 20.2 |
| Operator Identified | 3.2 | | 2.6 | | 1.8 | |
| Automatically Identified – AMA | 43.4 | | 48.8 | | 54.0 | |
| Automatically Identified – ANI | 28.1 | | 26.6 | | 25.0 | |

| TOLL MESSAGE NETWORK TRUNKS (End Of Year-Thousands) | | | | | | |
|---|------|--|------|--|-------|--|
| Total | 5479 | | 5608 | | 5801 | |
| CCIS | 15.7 | | 55.0 | | 150.0 | |

| TOLL OFFICE DATA (End Of Year) | | | | | | |
|--|-------|-----|-------|-----|-------|-----|
| Local Central Office Buildings (Equipped For DDD) | 8687 | | 8694 | | 8716 | |
| Traffic Toll Centers (Toll Offices Of Any Rank Providing Inward Operator Assistance) | 652 | 443 | 551 | 429 | 453 | 414 |
| Toll Centers Equipped With CAMA | 512 | 409 | 453 | 400 | 379 | 390 |
| Toll Centers Equipped For CCIS | 39 | 1 | 63 | 1 | 92 | 2 |
| Total Toll Positions | 41399 | | 35049 | | 30541 | |
| TSPS And TSP Positions (Included Above) | 19726 | | 20041 | | 20621 | |

"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, (100-040), Dated 1978. 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 | 1979 | 1980 | 1981 | 1982 | 1983 |
|-----------|-------|----------|--------|-------|----------|
| January | 6-20 | 5-19 | 3-17 | 2-16 | 8* - 15 |
| February | 3-17 | 2-16 | 7-21 | 6-20 | 5 - 19 |
| March | 3-17 | 1-15-29# | 7-21 | 6-20 | 5 - 19 |
| April | 7-21 | 19 | 4-25* | 3-17 | 9* - 16 |
| May | 5-19 | 3-17 | 2-16 | 1-15 | 14* - 21 |
| June | 2-23* | 7-21 | 6-27* | 5-26* | 4 - 25* |
| July | 7-21 | 5-19 | 11*-18 | 3-17 | 2 - 16 |
| August | 4-18 | 2-16 | 1-15 | 7-21 | 6 - 20 |
| September | 1-15 | 6-20 | 5-19 | 4-18 | 3 - 17 |
| October | 6-20 | 4-18 | 3-17 | 2-16 | 1 - 15 |
| November | 3-17 | 1-15 | 7-21 | 6-20 | 5 - 19 |
| December | 1-15 | 6-20 | 5-19 | 4-18 | 3 - 17 |

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 |
| 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 TYPE SYSTEMS IN SERVICE-END OF 1977

| CO | LOCATION | CLLI | CLASS | SERVICE DATE | C = CAMA T = TSPS | MACHINE* RESPONSIBILITY | | | |
|-----------------|--------------------|-------------|-------|--------------|----------------------|-------------------------|---|---|---|
| | | | | | | T | E | A | M |
| NY | New York 12 | NYCQNYRP08T | 3 | 06/77 | | L | L | L | L |
| PA | Wayne 2 | WAYNPALA42T | 3 | 09/77 | | L | L | L | L |
| | Pittsburgh 3 | PITBPADG43T | 4 | 11/77 | | L | L | L | L |
| SO | Jacksonville 3, FL | JCVLFLCL03T | 4 | 12/76 | C,T | L | L | L | L |
| | Atlanta 4, GA | ATLNGATL01T | 3 | 01/77 | T | L | L | L | L |
| OHIO | Columbus 3, OH | CLMBOH1103T | 3 | 04/77 | | L | L | L | L |
| ILL | Chicago 7, IL | CHCGIL0L57T | SRT# | 01/76 | C | L | L | L | L |
| SW | Kansas City 2, MO | KSCYM00904T | 2 | 07/76 | C,T | L | L | L | L |
| | Dallas 3, TX | DLLSTXTL34T | 1 | 12/76 | | L | L | L | L |
| | San Antonio 2, TX | SNANTXCA02T | 2 | 05/77 | C,T | L | L | L | L |
| MTN | Albuquerque 2, NM | ALBQNMMA027 | 2/LT | 11/77 | C,T | L | L | L | L |
| <u>NON-BELL</u> | Winter Haven, Fl | WNHNFLXC02T | 4 | 10/77 | C,T | | | | |

* = Machine Responsibility
 T = Traffic Engineering
 E = Equipment Engineering
 A = Machine Administration
 M = Machine Maintenance
 C = Associated Company
 L = Long Lines

#(SRT) Selective Routing Tandem

BELL SYSTEM NO. 1 ESS/1A ESS TANDEM SYSTEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | * T = TDM. ONLY * /5 = COMBINED (*) = CLASS | SVC DATE | TYPE PROCESSOR | TRUNKS 2 = 2 WIRE 4 = HI-LO | T = TOLL ONLY L = LOC. TDM C = COMBINED | C = CAMA T = TSPS T/R=RTA | CCIS SVC DATE |
|------|--------------------|--------------|--|-------------|-------------------|-----------------------------------|---|---------------------------------|---------------------|
| NE | (none) | | | | | | | | |
| NY | Williamsburg | NYCKNYWM08T | T | 11/74 | 1E-SP | 2 | L | C | |
| NJ | Wildwood | WLWDNJW103T | 4/5 | /68 | 1E-CC | 2 | C | | |
| | Vineland | VNLDNJVL02T | 4/5 | /73 | 1E-CC | 2 | C | | |
| PA | Scranton | SCTNPASC81T | 4/5 | 5/73 | 1E-SP | 2 | T | C,A | |
| | State College | STCGPAES81T | 4/5 | 7/74 | 1E-CC | 2 | T | C,A | |
| | Uniontown | UNTNPAAUN81T | 4/5 | 1/77 | 1E-SP | 2 | T | C,A | |
| | Hazleton | HZTNPAHZ81T | 4/5 | 6/77 | 1E-SP | 2 | C | C,A | |
| C&P | Fredericksburg, VA | FRBGVAFB02T | 4T | 11/75 | 1E-CC | 2 | T | C,A | |
| | Lynchburg, VA | LYBGVACH02T | 4/5 | 11/75 | 1E-CC | 2 | T | C,A | |
| | Huntington, WV | HNTNWVDT21T | 4/5 | 6/76 | 1E-SP | 2 | C | C,A | |
| | Salisbury, MD | SLBRMDSB07T | 4/5 | 7/76 | 1E-SP | 2 | C | C,A | |
| SO | Rome, GA | ROMEGATL02T | 4/5 | 12/73 | 1E-CC | 2 | T(orig) | | |
| | Athens, GA | ATHNGAMA02T | 4/5 | 12/75 | 1E-CC | 2 | T(orig) | | |
| | Panama City, FL | PNCYFLMA03T | 3T | 1/76 | 1E-SP | 2 | T | | |
| | Savannah, GA | SVNHGABS02T | 3T | 5/76 | 1E-SP | 2 | T | | |
| | Daytona Beach, FL | DYBHFLMA03T | 4T | 9/76 | 1E-SP | 2 | T | | |
| | Wilmington, NC | WLMGNCFO01T | 4/5 | 4/77 | 1E-SP | 2 | C | C,A | |
| | Augusta, GA | AGSTGAMT02T | 4T | 6/77 | 1E-SP | 2 | T | C,A, T/R | |
| | Asheville, NC | AHVLNCOH02T | 4/5 | 7/77 | 1E-SP | 2 | C | T, T/R | |
| SOCN | Lake Charles, LA | LKCHLADT03T | 4T | 12/73 | 1E-SP | 2 | C | C | |
| | Greenville, MS | GNVLMMA06T | 4T | 11/74 | 1E-SP | 2 | C | A | |
| | Anniston, AL | ANTNALMT01T | 4/5 | 4/77 | 1E-SP | 2 | C | C | |
| OHIO | Middletown | MDTNOH4250T | 4/5 | 5/76 | 1E-SP | 2 | C | C | |
| MICH | Port Huron | PTHRMIMN20T | 4/5 | 8/76 | 1E-SP | 2 | C | C | |
| | Sault St. Marie | SSMRMIMN17T | 4/5 | 6/76 | 1E-SP | 2 | C | C | |
| IND | Gary | GARYIN0101T | 4/5 | 5/77 | 1E-SP | 2 | C | C,A, T/R | |
| | New Albany | NWALINGQ50T | 4/5 | 11/77 | 1E-SP | 2 | C | C,A | |

BELL SYSTEM NO. 1 ESS/1A ESS TANDEM SYSTEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | * T = TDM. ONLY * /5 = COMBINED (*) = CLASS | SVC DATE | TYPE PROCESSOR | TRUNKS 2 = 2 WIRE 4 = HI-LO | T = TOLL ONLY L = LOC. TDM C = COMBINED | C = CAMA T = TSPS T/R=RTA | CCIS SVC DATE |
|-------------------|------------------|--------------|--|-------------|-------------------|-----------------------------------|---|---------------------------------|---------------------|
| WISC | Eau Claire | EUCLWIO181T | 4/5 | 3/75 | 1E-SP | 2 | T | C,A | |
| | Sheyboygan | SHBYWIO181T | 4/5 | 12/76 | 1E-SP | 2 | T | C,A | |
| | Janesville | JNVLWIO181T | 4/5 | 6/77 | 1E-SP | 2 | C | C,A | |
| | Green Bay | GNBYWIO184T | 4/5 | 10/77 | 1E-SP | 4 | C | C,A | |
| ILL | Kankakee | KNKKILKK50T | 4/5 | 8/71 | 1E-SP | 2 | C | C,A | |
| | Chicago (Canal) | CHGOILCL50T | T | 2/75 | 1E-SP | 2 | L | | |
| | Northbrook | NBRKILNT50T | 4T | 4/76 | 1E-SP | 2 | C | | |
| | Joliet | JOLTILJ050T | 4 | 2/77 | 1E-CC | 2 | T | C,A, T/R | |
| NW | Rochester, MN | ROCHMNR001T | 4/5 | 2/67 | 1E-SP | 2 | T | | |
| | Duluth, MN | DLTHMNME06T | 4/5 | 6/74 | 1E-SP | 2 | T | | |
| | Marshalltown, IA | MRTWIAS007T | 4/5 | 11/75 | 1E-CC | 2 | T | C,A | |
| | Wayzata, MN | WYZTMNWA06T | 4/5 | 6/76 | 1E-SP | 2 | T | | |
| | Davenport, IA | DVNPIADT07T | 3T | 10/76 | 1E-SP | 2 | T | C,A | |
| | Albert Lea, MN | ALLEMNAL06T | 4/5 | 11/76 | 1E-CC | 2 | T | | |
| | Brainerd, MN | BRNRMNBR06T | 4/5 | 4/77 | 1E-CC | 2 | T | | |
| | Sioux Falls, SD | SXFLSDC006T | 3/4 | 4/77 | 1E-SP | 4 | T | C,T | |
| | St. Cloud, MN | STCDMNT006T | 3/5 | 12/77 | 1E-SP | 4 | T | | |
| | SW | Kirkwood, MO | STLSMO4182T | T/5 | 11/73 | 1E-SP | 2 | L | C |
| Topeka, KS | | TPKAKSJA02T | 4/5 | 11/73 | 1E-SP | 2 | T | C | |
| Wichita Falls, TX | | WCFLTXXNIO3T | 3/5 | 10/74 | 1E-SP | 2 | T | C,T | |
| Galveston, TX | | GLTNTXSO01T | 4/5 | 12/74 | 1E-SP | 2 | T | | |
| Greenville, TX | | GNVLTXXGL03T | 3/5 | 8/75 | 1E-SP | 2 | T | | |
| Lawton, OK | | LWTNOKTB14T | 3T | 10/75 | 1E-CC | 2 | T | | |
| Midland 1, TX | | MDLDTXXMU01T | 3/5 | 10/76 | 1E-SP | 2 | T | C,A,T | |
| Amarillo 2, TX | | AMRLTXO201T | 4/5 | 11/76 | 1E-SP | 2 | T | C,A, T/R | |
| Temple, TX | | TMPLTXDNO1T | 4/5 | 4/77 | 1E-CC | 2 | T | C,A | |
| Fayetteville, AR | | FYVLARHI01T | 4/5 | 6/77 | 1E-SP | 4 | T | | |
| Rosenberg, TX | | RSBGTXXRRO1T | 4/5 | 11/77 | 1E-CC | 2 | C | C | |
| Harlingen, TX | HRLNTXXHGO2T | 4/5 | 12/77 | 1E-SP | 2 | T | C,A, T/R | | |
| MTN | Idaho Falls, ID | IDFLIDMA01T | 4/5 | 9/75 | 1E-CC | 2 | T | | |
| | Provo, UT | PROVUTMA01T | 3 | 5/76 | 1E-SP | 2 | T | | |
| | Helena, MT | HLNAMTMA01T | 3T | 9/77 | 1E-CC | 4 | T | | |

BELL SYSTEM NO. 1 ESS/1A ESS TANDEM SYSTEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | * T = TDM. ONLY * /5 = COMBINED (*) = CLASS | SVC DATE | TYPE PROCESSOR | TRUNKS 2 = 2 WIRE 4 = HI-LO | T = TOLL ONLY L = LOC. TDM C = COMBINED | C = CAMA T = TSPŞ T/R=RTA | CCIS SVC DATE |
|------|---------------|-------------|--|-------------|-------------------|-----------------------------------|---|---------------------------------|---------------------|
| PNB | Portland, OR | PTLDOR69CG0 | 4/5 | 11/71 | 1E-SP | 2 | L | | |
| | Corvallis, OR | CRVSORGS02T | 4/5 | 3/75 | 1E-CC | 2 | T | | |
| PAC | San Mateo | BRLNCA0135T | 4/5 | 10/69 | 1E-SP | 2 | L | | |
| | Monterey | MTRYCA0115T | 4/5 | 2/74 | 1E-SP | 2 | L | | |
| | El Monte | ELMNCA0110T | T/5 | 3/77 | 1E-SP | 2 | L | | |
| | Ventura | VNTRCA0258T | 4/5 | 7/77 | 1E- | 2 | C | | |
| SNE | Manchester | MNCHCT0002T | 4/5 | 12/76 | 1E-SP | 2 | C | | |
| | Danbury | DNBRCT0003T | 4/5 | 12/77 | 1E-SP | 2 | C | | |
| CINN | (none) | | | | | | | | |

NO. 4 TYPE TOLL CROSSBAR OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | TYPE/ CLASS* | SERVICE DATE | | | P = PBC C = CAMA T = TSPS S = STP T/R = RTA | MACHINE ** RESPONSIBILITY | | | |
|-----|--------------------------------------|--------------|-----------------|--------------|-------|-------|---|------------------------------|---|---|---|
| | | | | OFFICE | ETS | CCIS | | T | E | A | M |
| NE | Boston 2, MA | BSTNMAFR02T | 4M/2 | 11/49 | | | T | L | L | L | C |
| | Springfield 2, MA | SPFDMABR01T | 4A/2 | 05/63 | | | C | L | L | L | C |
| | Boston 9, MA | BSTNMAFR09T | 4A/2 | 04/70 | 04/70 | | P,T,S | L | L | L | L |
| | Providence 4, RI | PRVDRIGR04T | 4A/3 | 06/72 | 06/72 | 04/77 | P | L | L | L | L |
| | Cambridge 16, MA (Kendall Square) | CMBRMABEL16T | 4A/3A | 06/73 | 06/73 | | | C | C | C | C |
| | Portland 2, ME | PTLDMEFO02T | 4A/3 | 06/73 | 06/73 | | T | C | C | C | C |
| | Lawrence 2, MA | LWRNMACA02T | 4A/3 | 10/73 | 10/73 | | | C | C | C | C |
| | Framingham 3, MA | FRMNMAWA03T | 4A/3 | 06/74 | 06/74 | | P,T | C | C | C | C |
| | Brockton 2, MA | BRTNMACO02T | 4A/3 | 03/75 | 03/75 | | P, | C | C | C | C |
| | Worcester 2, MA | WRCSMAO202T | 4A/3 | 09/75 | 09/75 | | P,C | L | L | L | L |
| NY | New York 4 | NYCMNYAA02T | 4M/2 | 11/48 | | | | L | L | L | L |
| | Albany 2 | ALBYNYSS04T | 4A/2 | 04/50 | | | | L | L | L | L |
| | Syracuse | SYRCNYSU04T | 4A/3 | 05/54 | 04/76 | | P,C,T | C | C | C | C |
| | White Plains 2 | WHPLNYO201T | 4A/1 | 11/54 | 10/70 | | P,S | L | L | L | L |
| | Buffalo 1 | BFLONYFR04T | 4A/3 | 05/56 | 05/73 | | P,C | C | C | C | C |
| | New York 7 | NYCMNY5404T | 4A/2 | 09/63 | | | | L | L | L | L |
| | Suffolk 1 | HNTNNYSU01T | 4A/2 | 06/70 | 06/70 | | P | L | L | L | L |
| | Varick Street | NYCMNYVS01T | 4A/3A | 12/71 | 12/71 | | P,T | C | C | C | C |
| | New York 6 | NYCMNY5405T | 4A/3 | 08/72 | 08/72 | | P,T | L | L | L | L |
| | New York 10 | NYCMNYBW01T | 4A/3 | 06/73 | 06/73 | | | L | L | L | L |
| | Garden City 1 | GRCYNYGC01T | 4A/4 | 10/73 | 10/73 | | P | C | C | C | C |
| | White Plains 4 | WHPLNYWP03T | 4A/3 | 10/73 | 10/73 | | P,C,T | C | C | C | C |
| | Broadway 2 | NYCMNYBW20T | 4A/4 | 02/74 | 02/74 | | P | C | C | C | C |
| | New York 11 | NYCMNYBW02T | 4A/3 | 08/74 | 08/74 | | P | L | L | L | L |
| NJ | Newark 2 | NWRKNJ0205T | 4A/2 | 08/53 | | | | L | L | L | L |
| | Rochelle Park 1 | RCPKNJ0201T | 4A/3 | 11/66 | 10/74 | | P,T | C | C | C | C |
| | Camden 2 | CMDNNJCE02T | 4A/2 | 10/69 | 10/69 | | T | L | L | L | L |
| | New Brunswick 4 | NBWKNJNB02T | 4A/3 | 08/70 | 08/70 | | P,T | C | C | C | C |
| | Newark 7 | NWRKNJ0207T | 4A/3 | 07/73 | 07/73 | | T | C | C | C | C |
| | Cedar Knolls 1 | CDKNNJCK01T | 4A/3 | 06/74 | 06/74 | | P,T | L | L | L | L |
| | Hamilton Sq. 1 | HMSQNJHS01T | 4A/3 | 10/74 | 10/74 | | P, | L | L | L | L |
| | Rochelle Park 2 | RCPKNJ0202T | 4A/4 | 06/75 | 06/75 | | P | L | L | L | L |

NO. 4 TYPE TOLL CROSSBAR OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | TYPE/ CLASS* | SERVICE DATE | | | P = PBC C = CAMA T = TSPS S = STP T/R = RTA | MACHINE ** RESPONSIBILITY | | | |
|-----|-----------------------|-------------|-----------------|--------------|-------|-------|---|------------------------------|---|---|---|
| | | | | OFFICE | ETS | CCIS | | T | E | A | M |
| PA | Philadelphia 2 | PHLAPAMK41T | 4M/3 | 08/43 | | | T | L | C | L | C |
| | Pittsburgh 1 | PITBPADT41T | 4A/2 | 07/51 | | | C,T | L | L | L | C |
| | Scranton | SCTNPASC41T | 4A/3 | 05/53 | | | C | C | C | C | C |
| | Harrisburg | HRBGPAAH41T | 4A/2 | 12/55 | 06/74 | | P,C | L | L | L | L |
| | Wayne 1 | WAYNPALA41T | 4A/1 | 05/57 | 06/71 | | P,S | L | L | L | L |
| | Pittsburgh 2 | PITBPADG42T | 4A/1 | 11/70 | 11/70 | | P | L | L | L | L |
| | Ft. Washington 1 | FTWSPAFW41T | 4A/3 | 06/72 | 06/72 | 09/77 | P,T | C | C | C | C |
| | Philadelphia 3 | PHLAPASL41T | 4A/3 | 06/74 | 06/74 | | P | L | L | L | L |
| | Wilmington, DE | WLMGDEWL41T | 4A/3 | 07/75 | 07/75 | | P,T | C | C | C | C |
| C&P | Baltimore 2, MD | BLTMMDDT02T | 4A/2 | 08/50 | 05/76 | | P,T | C | C | C | C |
| | Washington 1, D.C. | WASHDCDT04T | 4A/3 | 09/50 | | | T | C | C | C | C |
| | Richmond 1, VA | RCMDVAGR01T | 4A/2 | 06/54 | 03/76 | | P,C,T,S | C | C | C | C |
| | Charleston 1, WV | CHTNWVLE24T | 4A/2 | 03/61 | | | C | C | C | C | C |
| | Washington 3, D.C. | WASHDCSW04T | 4A/2 | 03/67 | 05/71 | 08/77 | P,T | C | C | C | C |
| | Arlington 2, VA | ARTNVACK03T | 4A/3 | 02/72 | 02/72 | 08/77 | P,T | C | C | C | C |
| | Norfolk 3, VA | NRFLVABS02T | 4A/3 | 05/72 | 05/72 | | P,T | C | C | C | C |
| | Baltimore 9, MD | BLTMMDCHO9T | 4A/3 | 05/74 | 05/74 | | P,T | C | C | C | C |
| | Roanoke, VA | RONKVALK02T | 4A/3 | 05/75 | 05/75 | | P,C | C | C | C | C |
| SO | Charlotte 1, NC | CHRLNCCA01T | 4A/2 | 11/54 | 04/72 | | C,T | L | L | L | L |
| | Jacksonville 1, FL | JCVLFLCL01T | 4A/2 | 12/55 | 05/73 | | C,T | L | L | L | L |
| | Miami 2, FL | MIAMFLTL02T | 4A/4 | 11/57 | | | T | L | L | L | L |
| | Columbia 1, SC | CLMASCTL01T | 4A/2 | 04/59 | 03/75 | | P,C,T | L | L | L | L |
| | Rockdale, GA | RCDLGATL41T | 4A/1 | 06/60 | 06/70 | | P,T | L | L | L | L |
| | Greensboro 1, NC | GNBONCEU01T | 4A/2 | 08/60 | 3Q-73 | | P,C,T | L | L | L | L |
| | Orlando 1, FL | ORLDFLMA01T | 4A/2 | 11/62 | 09/73 | | C,T | L | L | L | L |
| | Raleigh, NC | RLGHNCM003T | 4A/3 | 08/71 | 08/71 | | C,T | C | C | C | C |
| | Columbus 1, GA | CLMBGAMT42T | 4A/4 | 11/71 | 11/71 | | P,C,T | C | C | C | C |
| | Florence, SC | FLRNSCMA02T | 4A/3 | 04/72 | 04/72 | | P,C | C | C | C | C |
| | Ojus 1, FL | OJUSFLTL01T | 4A/3 | 11/72 | 11/72 | | P,C,T | L | L | L | L |
| | Atlanta 3, GA | ATLNGANW43T | 4A/4 | 01/73 | 01/73 | | P,T | L | L | L | L |
| | Pensacola, FL | PNSCFLBL03T | 4A/4 | 05/73 | 05/73 | | P,T | C | C | C | C |
| | Gainesville 2, FL | GSVFLAN03T | 4A/3 | 08/74 | 08/74 | | P,C | C | C | C | C |
| | Gastonia, NC | GSTANCS002T | 4A/3 | 04/75 | 04/75 | | P,C | C | C | C | C |
| | Macon 2, GA | MACNGAGA42T | 4A/2 | 05/75 | 05/75 | | P,C,T | C | C | C | C |
| | Winston-Salem, NC | WNSLNCFL02T | 4A/3 | 05/75 | 05/75 | | P,C | C | C | C | C |
| | Greenville, SC | GNVLSCTL01T | 4A/3 | 06/75 | 06/75 | | P,C | C | C | C | C |
| | West Palm Beach 3, FL | WPBHFLAN03T | 4A/3 | 09/75 | 09/75 | | P,T | L | L | L | L |
| | Ojus 2, FL | OJUSFLTL02T | 4A/4 | 11/75 | 11/75 | | P,T | L | L | L | L |

NO. 4 TYPE TOLL CROSSBAR OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | TYPE/ CLASS* | SERVICE DATE | | | P = PBC C = CAMA T = TSPS S = STP T/R = RTA | MACHINE ** RESPONSIBILITY | | | |
|------|-------------------|-------------|-----------------|--------------|-------|-------|---|------------------------------|---|---|---|
| | | | | OFFICE | ETS | CCIS | | T | E | A | M |
| | | | | | | | | | | | |
| SOCN | New Orleans 1, LA | NWORLAMA01T | 4A/2 | 03/53 | 01/74 | 04/77 | P,T | L | L | L | L |
| | Memphis 1, TN | MMPHTNMA41T | 4A/2 | 10/56 | 04/72 | | C,T | L | L | L | L |
| | Nashville 1, TN | NSVLTNMT41T | 4A/2 | 10/56 | 05/73 | | C,T | L | L | L | L |
| | Birmingham 1, AL | BRHMALMT56T | 4A/2 | 08/57 | 05/74 | | P,C,T,S | L | L | L | L |
| | Louisville 1, KY | LSVLKYCS04T | 4A/2 | 11/57 | 04/72 | | P,C,T | L | L | L | L |
| | Jackson 2, MS | JCSNMSPS04T | 4A/2 | 06/59 | 03/74 | 04/77 | P,C,T | L | L | L | L |
| | Knoxville 1, TN | KNVLTNMA41T | 4A/3 | 02/61 | | | C,T | C | C | C | C |
| | Baton Rouge 1, LA | BTRGLAMA01T | 4A/4 | 08/71 | 08/71 | | P,C,T | C | C | C | C |
| | Decatur 1, AL | DCTRALMT56T | 4A/3 | 04/74 | 04/74 | | P,C,T/R | C | C | C | C |
| | Shreveport 1, LA | SHPTLATL02T | 4A/3 | 04/74 | 04/74 | 12/77 | P,C,T | C | C | C | C |
| OHIO | Cleveland 1 | CLEVOH6201T | 4M/3 | 06/49 | | | C,T | L | L | L | L |
| | Columbus 2 | CLMBOH102T | 4A/4 | 10/56 | 11/71 | | P,T,S | C | C | C | C |
| | Toledo 1 | TOLDOH2101T | 4A/3 | 08/61 | 04/73 | 04/77 | P,C,T | L | L | L | L |
| | Dayton | DYTNOH1501T | 4A/3 | 11/63 | 12/75 | | P,C,T | C | C | C | C |
| | Cleveland 2 | CLEVOH0202T | 4A/2 | 08/72 | 08/72 | | P,T | L | L | L | L |
| | Akron 2 | AKRNOH2502T | 4A/3 | 11/73 | 11/73 | | P,T | C | C | C | C |
| | Youngstown 2 | YNTWOH0202T | 4A/3 | 04/75 | 04/75 | | P,T | C | C | C | C |
| MICH | Detroit 1 | DTRTMIBA40T | 4A/2 | 10/53 | 12/70 | | P,S | L | L | L | L |
| | Grand Rapids 1 | GDRPMIBL40T | 4A/2 | 04/69 | 04/69 | 08/77 | P,T | L | L | C | C |
| | Plymouth 1 | PLMOMIFA40T | 4A/3 | 07/69 | 07/69 | 06/77 | P,C,T | C | C | C | C |
| | Pontiac 2 | PNTCMIMN40T | 4A/3 | 06/72 | 06/72 | | P,C,T | C | C | C | C |
| | Detroit 2 | DTRTMIBH40T | 4A/4 | 03/74 | 03/74 | | P,T | C | C | C | C |
| | Kalamazoo 2 | KLMZMIFA40T | 4A/3 | 06/74 | 06/74 | | P | C | C | C | C |
| | Saginaw 2 | SGNWMIFA40T | 4A/3 | 12/74 | 12/74 | | P,T | C | C | C | C |
| | Lansing 2 | LNNGMIMN40T | 4A/3 | 06/75 | 06/75 | | P,T | C | C | C | C |
| | | | | | | | | | | | |
| IND | Indianapolis 1 | IPLSIN0104T | 4A/2 | 05/50 | 06/73 | | P,C,S | L | L | L | L |
| | South Bend 1 | SBNDIN0504T | 4A/2 | 04/70 | 04/70 | | P,T | L | L | L | L |
| | Bloomington 1 | BLTNIN0104T | 4A/2 | 08/70 | 08/70 | | P,T | C | C | C | C |
| WISC | Milwaukee 1 | MILWWI4841T | 4A/3 | 05/55 | | | | L | L | L | L |
| | Eau Claire 1 | EUCLWI0141T | 4A/2 | 05/70 | | | T/R | C | C | C | C |
| | Waukesha 2 | WKSHWI0241T | 4A/2 | 05/73 | 05/73 | 11/76 | P,T | L | L | L | L |
| | Madison 2 | MDSNWI0241T | 4A/3 | 05/76 | 05/76 | 05/76 | P,T | L | L | L | L |

NO. 4 TYPE TOLL CROSSBAR OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | TYPE/ CLASS* | SERVICE DATE | | | P = PBC C = CAMA T = TSPS S = STP T/R = RTA | MACHINE ** RESPONSIBILITY | | | |
|-----|--------------------------------|----------------------------|-----------------|----------------|----------------|-------|---|------------------------------|--------|--------|--------|
| | | | | OFFICE | ETS | CCIS | | T | E | A | M |
| ILL | Chicago 2 | CHCGILCG42T | 4M/3 | 12/48 | | | C,T | L | L | L | L |
| | Chicago 3 | CHCGILEG43T | 4A/3 | 09/54 | | | C | L | L | L | L |
| | Springfield 1 | SPFDILSF41T | 4A/2 | 09/60 | 09/74 | 11/77 | C,P | L | L | L | L |
| | Norway 1 | NRWYILNO41T | 4A/1 | 12/62 | 12/75 | 04/77 | P | L | L | L | L |
| | Chicago 6 | CHCGILCL46T | 4A/2 | 06/71 | 06/71 | | P,T | L | L | L | L |
| | Oak Brook | OKBRILOA41T | 4A/4 | 08/72 | 08/72 | 07/77 | P,T | L | L | L | L |
| | Champaign 1 | CHMPILRA41T | 4A/3 | 11/72 | 11/72 | | | C | C | C | C |
| | Peoria 2 | PEORILPJ41T | 4A/3 | 10/73 | 10/73 | | T | C | C | C | C |
| | Northbrook 2 Collinsville 2 | NBRKILNT41T COVLILCL41T | 4A/3 4A/2 | 04/74 10/75 | 04/74 10/75 | 07/77 | P,T P,C | L L | L L | L L | L L |
| NW | Minneapolis 1, MN | MPLSMNDT04T | 4A/2 | 02/51 | 06/71 | | C,T | L | L | L | L |
| | Omaha 1, NB | OMAHNENW04T | 4A/2 | 02/52 | 01/71 | | P,C,T,S | L | L | L | L |
| | Des Moines, IA | DESMIADT04T | 4A/2 | 06/57 | 10/70 | | P,C | L | L | L | L |
| | St. Paul 2, MN | STPLMNMK04T | 4A/3 | 11/71 | 11/71 | | P,C,T | L | L | L | L |
| | Fargo 1, ND | FARGNDBC03T | 4A/2 | 11/75 | 11/75 | | P,C | L | L | L | L |
| SW | Houston 1, TX | HSTNTX0114T | 4A/2 | 07/52 | 10/73 | | C,T | L | L | L | L |
| | Oklahoma City 1, OK | OKCYOKCE14T | 4A/2 | 02/54 | 09/73 | | P,C,T,S | L | L | L | L |
| | Little Rock, AR | LTRKARFR14T | 4A/3 | 05/54 | 06/74 | | P,C,T | C | C | C | C |
| | St. Louis 1, MO | STLSMO0914T | 4A/1 | 04/55 | 02/70 | | P,T,S | L | L | L | L |
| | Tulsa, OK | TULSOKTB14T | 4A/3 | 04/57 | 04/73 | | C,T | C | C | C | C |
| | Wichita, KS | WCHTKSBR14T | 4A/3 | 10/57 | 06/74 | | C,T | C | C | C | C |
| | Fort Worth, TX | FTWOTXED14T | 4A/2 | 07/60 | 1Q-72 | | C,T | L | L | L | L |
| | Dallas, TX | | 4A/Lc1. | 02/70 | 02/70 | | | C | C | C | C |
| | St. Louis 2, MO | STLSMO0924T | 4A/3 | 04/70 | 04/70 | | P,T | L | L | L | L |
| | Houston 2, TX | HSTNTX0124T | 4A/3 | 06/71 | 06/71 | | C,T | L | L | L | L |
| | Mission, KS | MSSNKSFRO4T | 4A/3 | 04/72 | 04/72 | | C | C | C | C | C |
| | Longview, TX | LGVWXTL14T | 4A/3 | 03/73 | 03/73 | | C,T | C | C | C | C |
| | Corpus Christi 1, TX | CRCHXTU04T | 4A/3 | 10/73 | 10/73 | | P,C,T | C | C | C | C |
| | Austin 1, TX | AUSTTXGR04T | 4A/3 | 05/74 | 05/74 | | P,C,T | C | C | C | C |
| | Houston 3, TX | HSTNTX0834T | 4A/4 | 05/75 | 05/75 | | P | L | L | L | L |

NO. 4 TYPE TOLL CROSSBAR OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | TYPE/ CLASS* | SERVICE DATE | | | P = PBC C = CAMA T = TSPS S = STP T/R = RTA | MACHINE ** RESPONSIBILITY | | | |
|----------------|--------------------------|----------------|-----------------|--------------|-------|-------|---|------------------------------|---|---|---|
| | | | | OFFICE | ETS | CCIS | | T | E | A | M |
| MTN | Denver 1, CO | DNVRCOMA01T | 4A/2 | 11/54 | 12/70 | | P,C,T | L | L | L | L |
| | Salt Lake City 1, UT | SLKCUTMA01T | 4A/2 | 05/58 | 07/73 | | P,C,T | L | L | L | L |
| | Phoenix 1, AZ | PHNXAZMA01T | 4A/2 | 12/66 | 12/73 | | P,C | L | L | L | L |
| | Pueblo 1, CO | PUBLICOMA01T | 4A/3 | 04/69 | 04/69 | | P,C | C | C | C | C |
| | Colorado Springs 1, CO | CLSPCOMA01T | 4A/4 | 05/71 | 05/71 | | T,P | C | C | C | C |
| | Cheyenne 1, WY | CHYNWYMA01T | 4A/2 | 05/72 | 05/72 | | P,C | C | C | C | C |
| | Denver 3, CO | DNVRCOMA03T | 4A/1 | 06/72 | 06/72 | | P,T,S | L | L | L | L |
| | Denver 4, CO | DNVRCOZJ04T | 4A/4 | 04/74 | 04/74 | | P,C,T | L | L | L | L |
| | Tucson 2, AZ | TCSNAZMA02T | 4A/3 | 04/74 | 04/74 | | P,C | L | L | L | L |
| | Boise 2, ID | BOISIDMA02T | 4A/3 | 03/75 | 03/75 | | P,C | C | C | C | C |
| | Greeley 1, CO | GRELCOJC01T | 4A/3 | 04/75 | 04/75 | | P,C | C | C | C | C |
| | Mesa 1, AZ | MESAAZTL01T | 4A/4 | 01/76 | 00/76 | | P,C,T | L | L | L | L |
| | PNB | Portland 1, OR | PTLDOR6201T | 4A/2 | 11/55 | 03/75 | | P,C,T | C | C | C |
| Seattle 1, WA | | STTLWA0101T | 4A/2 | 01/59 | 01/72 | | P,C,T | C | C | C | C |
| Spokane, WA | | SPKNWA0101T | 4A/3 | 04/62 | | | C | C | C | C | C |
| Portland 2, OR | | PTLDOR6202T | 4A/3 | 04/74 | 04/74 | | P,T | C | C | C | C |
| Seattle 2, WA | | STTLWA0602T | 4A/3 | 04/74 | 04/74 | 06/77 | P,C,T | C | C | C | C |
| PAC | Oakland 3 (Franklin) | OKLDCA0341T | 4M/2 | 10/49 | 02/72 | | P,T,S | C | C | C | C |
| | Sacramento 1 | SCRMCA0121T | 4A/1 | 06/53 | 03/75 | | P,S | C | C | L | L |
| | Los Angeles 2 | LSANCA0201T | 4A/2 | 05/54 | 04/72 | | P,S | C | C | C | C |
| | San Bernardino | SNBRCA0133T | 4A/1 | 10/57 | 01/74 | 08/77 | P | C | C | L | L |
| | San Jose 1 | SNJSCA0203T | 4A/2 | 06/58 | 03/73 | | P,T | C | C | C | C |
| | Los Angeles 3 | LSANCA0307T | 4A/3 | 03/62 | 09/69 | | P,T | C | C | C | C |
| | Anaheim 1 | ANHMCA0128T | 4A/2 | 12/64 | 04/72 | | P,T,S | C | C | C | C |
| | San Diego 1 | SNDGCA0288T | 4A/2 | 03/67 | | | T | C | C | C | C |
| | San Francisco 1 | SNFCCA0141T | 4A/3 | 06/69 | 01/72 | 09/77 | P,C,T | C | C | C | C |
| | Redwood City | RDCYCA0242T | 4A/3 | 02/70 | 02/70 | 07/77 | P,T | C | C | C | C |
| | Sherman Oaks 2 | SHOKCA0263T | 4A/3 | 04/71 | 04/71 | | P,T | C | C | C | C |
| | Fresno 2 | FRSNCA0144T | 4A/3 | 06/72 | 06/72 | | P,C | C | C | C | C |
| | Hayward | HYWRCA0246T | 4A/3 | 03/73 | 03/73 | | P,C,T | C | C | C | C |
| | Gardena 1 | GRDNCA0221T | 4A/3 | 05/73 | 05/73 | 11/77 | P | C | C | C | C |
| | Reno 3, NV | RENONV0304T | 4A/2 | 05/73 | 05/73 | | P,T | C | C | C | C |
| | Oakland 5 (Franklin) | OKLDCA0342T | 4A/3 | 06/73 | 06/73 | 04/77 | P,C,T | C | C | C | C |
| | San Francisco 2 (Folsom) | SNFCCA2142T | 4A/4 | 03/74 | 03/74 | 03/77 | P,C | C | C | C | C |
| | Stockton 2 | SKTNCA0110T | 4A/2 | 04/74 | 04/74 | | P | C | C | C | C |
| | Anaheim 2 | ANHMCA0177T | 4A/3 | 05/74 | 05/74 | 02/77 | P,T | C | C | C | C |
| | Sherman Oaks 3 | SHOKCA0373T | 4A/3 | 06/74 | 06/74 | 05/77 | P,T | C | C | C | C |

NO. 4 TYPE TOLL CROSSBAR OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | TYPE/ CLASS* | SERVICE DATE | | | P = PBC C = CAMA T = TSPS S = STP T/R = RTA | MACHINE ** RESPONSIBILITY | | | | |
|----------|--------------------|-------------|-----------------|--------------|-------|-------|---|------------------------------|---|---|---|--|
| | | | | OFFICE | ETS | CCIS | | T | E | A | M | |
| PAC | (Cont'd) | | | | | | | | | | | |
| | Santa Clara | SNTCCA0120T | 4A/Lcl. | 02/75 | 02/75 | | P | C | C | C | C | |
| | Gardena 2 | GRDNCA0231T | 4A/4 | 05/75 | 05/75 | 02/77 | P | C | C | C | C | |
| | Santa Rosa 2 | SNRSCA0236T | 4A/2 | 05/75 | 05/75 | | P | C | C | C | C | |
| SNE | New Haven 4 | NWHNCT0203T | 4A/2 | 05/68 | 05/71 | 04/77 | P,T | L | L | L | L | |
| | Hartford 3 | HRFRCT0304T | 4A/3 | 10/73 | 10/73 | 04/77 | P,C,T | L | L | L | L | |
| | Bridgeport 4 | BRPTCT0403T | 4A/3 | 04/75 | 04/75 | | P,C | L | L | L | L | |
| CINN | Cincinnati 1 | CNCNOHWS04T | 4A/2 | 09/52 | 04/72 | | P,C,T | L | L | L | L | |
| NON-BELL | Ft. Wayne, IN | FTWYINXA04T | 4A/4 | 06/69 | | | | | | | | |
| | Tampa 2, FL | TAMPFLXA02T | 4A/3 | 08/69 | 02/74 | | C,T | | | | | |
| | St. Petersburg, FL | SPBGFLXA02T | 4A/4 | 11/71 | 11/71 | | | | | | | |
| | Honolulu, HI | HNLLHIZA01T | 4A/3 | 01/72 | 01/72 | | C | | | | | |
| | Everett 1, WA | EVRTWAXA01T | 4A/3 | 04/72 | 04/72 | | C | | | | | |
| | Fayetteville, NC | FYVLNCXA02T | 4A/3 | 05/72 | 05/72 | | | | | | | |
| | Clearwater, FL | CLWRFLXA02T | 4A/4 | 11/72 | 11/72 | | C | | | | | |
| | Las Vegas 1, NV | LSVGNVXB04T | 4A/4 | 11/72 | 11/72 | | C | | | | | |
| | Rocky Mt. 2, NC | RCMTNCXA02T | 4A/3 | 04/74 | 04/74 | | P | | | | | |
| | Sarasota 3, FL | SRSTFLXF01T | 4A/4 | 10/74 | 10/74 | | P | | | | | |
| | Tampa 3, FL | TAMPFLXA03T | 4A/4 | 10/75 | 10/75 | | T | | | | | |
| CANADA | Toronto 1, Ont. | TOROON0101T | 4A/2 | 06/55 | | | C | | | | | |
| | Winnipeg 1, Man. | WNPGB0101T | 4A/2 | 02/65 | | | C | | | | | |
| | Montreal 1, Que. | MTRLPQ0201T | 4A/1 | 05/65 | 07/72 | | C | | | | | |
| | Saskatoon, Sask. | SKTNSK0102T | 4A/4 | 09/70 | | | C | | | | | |
| | Halifax 1, N.S. | HLFXNS0101T | 4A/3 | 04/71 | | | C | | | | | |
| | Vancouver 2, B.C. | VANBC0104T | 4A/2 | 04/71 | 04/71 | | C,T | | | | | |
| | Edmonton 1 Alta. | EDTNAB0201T | 4A/3 | 03/72 | 03/72 | | C | | | | | |
| | Toronto 3, Ont. | TOROON1103T | 4A/3 | 11/72 | 11/72 | | C | | | | | |
| | Ottawa 2, Ont. | OTWAON1002T | 4A/3 | 04/73 | 04/73 | | C | | | | | |

A* = Auxiliary Switching Systems
 ** = Machine Responsibility
 T = Traffic Engineering
 E = Equipment Engineering
 A = Machine Administration
 M = Machine Maintenance
 C = Associated Company
 L = Long Lines

CROSSBAR TANDEM IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 8-DIGIT TRANS-LATION |
|---------------------|-----------------------|-------------|--------------|--------|---------------------|----------|----------------------|
| NE | Providence 1, RI(*) | PRVDRIWA01T | 03/49 | 4C | | C | |
| | Boston (Metro) | BSTNMAFR03T | 06/49 | 4 | T, S | | |
| | Boston (Newton) | NWTNMAWA04T | 06/55 | 4 | | | X |
| | Providence 2, RI (*) | PRVDRIWA02T | 09/56 | 4C | | C | X |
| | Boston CAMA, MA (#) | BSTNMAFR05T | 04/57 | 4 | | C | X |
| | Worcester, MA | WRCSMA01T | 11/59 | 4 | | C | X |
| | Lawrence, MA | LWRNMAC001T | 11/60 | 4 | | C | X |
| | White River Jct., VT | WRJTVTGA01T | 11/61 | 3 | | C | X |
| | Portland, ME | PTLDMEFO01T | 04/62 | 4 | | C | X |
| | Brockton 1, MA | BRTNMACR01T | 06/63 | 4 | | C | X |
| | Manchester 1, NH (##) | MNCHNHCO01T | 06/63 | 3 | | C | X |
| | Boston (Dorchester) | DRCHMAAD10T | 01/64 | 4 | | C | X |
| | Fall River, MA | FLRVMANM01T | 05/64 | 3 | | C | X |
| | Framingham 1, MA | FRMNMAUN01T | 01/65 | 4 | S | C | X |
| | Boston (Harrison) | BSTNMAHA15T | 06/65 | 4 | T | C | X |
| | Boston (Malden) | MLDNMAEL13T | 12/67 | 4 | | | X |
| | Bangor, ME | BNGRMEPA01T | 10/69 | 4 | S | C | X |
| | Lewiston 2, ME | LSTNMEAS02T | 06/72 | 4 | S | C | X |
| | Boston 17, MA (#) | BSTNMAFR12T | 10/72 | 3A | | C | X |
| | Manchester 2, NH (##) | MNCHNHCO02T | 05/73 | 3 | | | X |
| NY | Jamaica | NYCQNYJA01T | 08/47 | Lcl. | | | |
| | York 1 (#) | NYCMNY3001T | 11/47 | Lcl. | | | |
| | Gotham 8 (#) | NYCMNY1304T | 06/48 | 4 | | | |
| | Amsterdam 1 (#) | NYCMNY3701T | 08/48 | Lcl. | | | |
| | Brooklyn (*) | NYCKNYAL03T | 09/48 | 4C | | | |
| | Buffalo Erie | BFLONYFR01T | 10/48 | 4 | | | |
| | Vesey 1 (*) | NYCMNYWS01T | 10/49 | 3A | | | X |
| | Mt. Vernon 1 (#) | MTVRNYMV01T | 10/49 | 4C | | | |
| | White Plains 1 | WHPLNYWP01T | 03/50 | 4C | | | |
| | Gotham 9 (#) | NYCMNY1305T | 06/50 | 4 | | | |
| | Hempstead 1 (*) | HMPSNYHS01T | 07/50 | 4C | | | X |
| | Vesey 2 (*) | NYCMNYWS02T | 09/50 | 4 | | | X |
| | York 2 (#) | NYCMNY3002T | 10/51 | Lcl. | | | |
| | Borough 3 (*) | NYCMNY5001T | 10/52 | 3A | | | |
| Richmond Hill 1 (*) | NYCQNYRH01T | 03/54 | 4C | | | | |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEM IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION | |
|-----|----------------------|-------------|--------------|--------|---------------------|----------|----------------------|---|
| NY | Vesey 3 (*) | NYCMNYWS03T | 09/54 | 4 | | C | | |
| | Borough 4 (*) | NYCMNY5002T | 04/55 | 3A | | | | |
| | Richmond Hill 2 (*) | NYCQNYRH02T | 07/56 | 4C | | | | |
| | Poughkeepsie | PGHKNYSH03T | 11/56 | 3 | | C | X | |
| | Hempstead 2 (*) | HMPSNYHS02T | 06/57 | 4C | | | X | |
| | Mt. Kisco | MTKSNYMK01T | 03/58 | 4C | | C | X | |
| | Albermarle Rd. 1 (*) | NYCKNYAL01T | 02/59 | 3A | | C | X | |
| | Nyack | NYACNYNK01T | 05/59 | 3A | | C | X | |
| | Binghamton 1 (*) | BNGHNYHY03T | 06/59 | 3 | | C | X | |
| | West St. 4 (*) | NYCMNYWS04T | 09/59 | 4 | | C | | |
| | Amsterdam 2 (#) | NYCMNY3702T | 11/59 | 4 | | | X | |
| | Forest Hills 1 (#) | NYCQNYFH01T | 11/59 | 3A | | C | X | |
| | Albany 1 | ALBYNYSS03T | 12/61 | 4C | | C | X | |
| | Bronx 1 (*) | NYCXNYGC01T | 12/61 | 3A | | C | X | |
| | Buffalo Frontier | BFLONYFR02T | 09/62 | 4C | | | | |
| | Midtown 1 (#) | NYCMNY3703T | 09/62 | 4 | | | X | |
| | Tremont 1 (*) | NYCXNYGC03T | 07/63 | 4C | | | X | |
| | Bushwick 1 (#) | NYCKNYBU01T | 09/63 | 4C | | | X | |
| | Utica | UTICNYUT01T | 10/63 | 4 | | RTA | X | |
| | West St. 5 (*) | NYCMNYWS05T | 10/63 | 3A | | T | C | X |
| | Tenth Ave. 1 (#) | NYCMNY5401T | 12/63 | 4 | | | X | |
| | Forest Hills 2 (#) | NYCQNYFH02T | 03/64 | 3A | | T | C | X |
| | Hempstead 3 (*) | HMPSNYHS03T | 08/64 | 3C | | T | C | X |
| | Kings 1 (*) | NYCKNYBR01T | 08/64 | 4C | | | X | |
| | Midtown 2 (#) | NYCMNY3704T | 09/64 | 4 | | | X | |
| | Monticello 1 | MNTINYMT01T | 03/65 | 4 | | T | C | X |
| | Queens 1 (#) | NYCQNYNJ01T | 08/65 | 4C | | | X | |
| | Tenth Ave. 2 (#) | NYCMNY5402T | 08/65 | 3A | | T | C | X |
| | Deer Park 1 | DRPKNYDP01T | 11/65 | 4C | | | X | |
| | Hempstead 4 (*) | HMPSNYHS04T | 08/66 | 3C | | | X | |
| | Albermarle Rd. 2 (*) | NYCKNYAL02T | 11/66 | 3A | | T | C | X |
| | Staten Island | NYCRNYNS01T | 01/67 | 4C | | | X | |
| | Bushwick 2 (#) | NYCKNYBU02T | 03/67 | 4C | | | X | |
| | Tenth Ave. 3 (#) | NYCMNY5403T | 10/67 | 3A | | T | C | X |
| | Lexington | NYCMNY5602T | 06/68 | 4C | | | X | |
| | Kings 2 (*) | NYCKNYBR02T | 11/68 | 4C | | | X | |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEM IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION | |
|-----------------------|----------------------------|---------------------------|--------------|--------|---------------------|----------|----------------------|---|
| NY | Mt. Vernon 2 (#) | MTVRNYMV02T | 12/68 | 4 | | | X | |
| | Chelsea 1 (*) | NYCMNY1801T | 08/69 | 4C | | | X | |
| | Chelsea 2 (*) | NYCMNY1802T | 08/69 | 4C | | | X | |
| | Deer Park 2 | DRPKNYDP02T | 07/71 | 4C | | | | |
| | E. 97th St. 4 DID | NYCMNY9702T | 07/71 | 4C | | | X | |
| | Bronx 2 (*) | NYCXNYGC02T | 12/71 | 3A | T | C | X | |
| | Queens 2 (#) | NYCQNYNJ02T | 12/71 | 4 | | | X | |
| | Tremont 2 (*) | NYCXNYGC04T | 12/71 | 4C | | | X | |
| | Binghamton 2 (*) | BNGHNYHY04T | 10/72 | 3 | | C | X | |
| | West St. 6 (*) | NYCMNYWS06T | 10/72 | 4 | S | C | X | |
| | East 97th St. #5 | NYCMNY9725T | 09/74 | Lcl. | | | | |
| | NJ | Newark (Jersey 1) (*) | NWRKNJ0203T | 10/47 | 4 | | | |
| | | Paterson | PTSNNJAR01T | 07/50 | 4 | | C | X |
| Newark (Jersey 2) (*) | | NWRKNJ0204T | 11/52 | 4 | | C | | |
| Camden | | CMDNNJCM01T | 03/53 | 4 | T | C | X | |
| Hackensack | | HCKNNJHK01T | 06/53 | 4 | | C | X | |
| Jersey City (Bergen) | | JRCYNJBR01T | 01/55 | 4 | | C | | |
| Morristown | | MRTWNJMR01T | 01/55 | 4 | S | C | X | |
| Trenton | | TRENNJTN01T | 03/57 | 4 | | C | X | |
| New Brunswick 1 | | NBWKNJNB01T | 06/57 | 4 | | C | X | |
| Newark (Essex 1) (#) | | IVTNNJES01T | 11/57 | 4A | | | | |
| Newark (Essex 2) (#) | | IVTNNJES02T | 03/61 | 4A | | C | X | |
| Atlantic City | | ATCYNJAC01T | 04/61 | 3 | | C | X | |
| Asbury Park | | ASPKNJAP01T | 02/66 | 4 | | | X | |
| PA | | Philadelphia (East A) (#) | PHLAPAMK21T | 03/53 | 4 | S | C | |
| | Pittsburgh (Tandem A) (#) | PITBPADT21T | 04/55 | Lcl. | | | | |
| | Philadelphia (North A) (*) | PHLAPADA21T | 08/55 | 4 | | C | | |
| | Pittsburgh (Tandem B) (#) | PITBPADT22T | 08/57 | 4C | | C | X | |
| | Altoona | ALNAPAAL21T | 11/57 | 3 | | C | X | |
| | Tullytown | TULYPATU21T | 03/59 | 4 | | C | X | |
| | Greensburg | GNBGPAGR21T | 08/59 | 4 | | C | X | |
| | Reading | RDNGPARE21T | 11/59 | 4 | | C | X | |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEM IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION |
|-----------------|-------------------------------|--------------|--------------|--------|---------------------|----------|----------------------|
| PA | Philadelphia (East B) (#) | PHLAPAMK22T | 06/60 | 4 | | C | X |
| | Williamsport | WLPTPAWI21T | 05/61 | 3 | | C | X |
| | Allentown | ALTWPAAL21T | 10/61 | 4 | | C | X |
| | Lancaster | LNCSPALA21T | 05/62 | 4 | | C | X |
| | Wilkes-Barre | WLBPAWB21T | 11/62 | 4 | | C | X |
| | Philadelphia (North B) (*) | PHLAPADA22T | 10/64 | 4 | | T C | X |
| C&P | Baltimore 3 MD | BLTMMDDT03T | 10/48 | 4C | | C | X |
| | Washington, DC (Uptown) | WASHDCUTO1T | 01/49 | 4C | | C | X |
| | Arlington, VA (Local) | ARTNVAAR01T | 09/51 | Lcl. | | | X |
| | Hyattsville, MD | HYVLMDDHY10T | 10/51 | Lcl. | | | |
| | Silver Spring, MD (Local) | SLSPMDSS10T | 09/61 | Lcl. | | | X |
| | Norfolk 1, VA | NRFLVABS01T | 08/62 | 4C | | C | X |
| | Baltimore 6, MD | CTVLMDCCT06T | 01/63 | Lcl. | | | |
| | Silver Spring, MD (Toll) | SLSPMDSS01T | 05/64 | 4 | | C | X |
| | Clarksburg, WV | CLBGWVMA23T | 10/64 | 3 | | C | X |
| | Washington, DC (Dupont) | WASHDCDP10T | 11/64 | Lcl. | | | |
| | Arlington 1, VA (Toll) | ARTNVAAR02T | 03/66 | 4C | | | X |
| | Washington, DC (Mt. Pleasant) | WASHDCUT10T | 10/66 | Lcl. | | | |
| Baltimore 7, MD | BLTMMDWL07T | 12/67 | Lcl. | | | X | |
| SO | Miami 3, FL | MIAMFLLR03T | 09/59 | Lcl. | | C | X |
| | Atlanta 2, GA | ATLNGATL53T | 10/60 | 4 | | C | X |
| | Atlanta-Decatur, GA | ATLNGAEL62T | 09/64 | Lcl. | | | |
| | Ft. Lauderdale, FL | FTLDFLMA01T | 12/64 | 4 | S | C | X |
| | Charleston, SC | CHTNSCDT02T | 04/66 | 4 | S | C | X |
| | Asheville, NC | AHVLNCOH01T | 06/66 | 3 | | C | X |
| | West Palm Beach, FL | WPBHFLAN01T | 11/66 | 4 | | C | X |
| | Miami-Biscayne, FL | MIAMFLBC31T | 07/72 | Lcl. | | | |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION |
|--------------|------------------------------|--------------|--------------|--------|---------------------|-------------|----------------------|
| SOCN | Chattanooga, TN | CHTGTNMA61T | 09/57 | 3 | S | C | X |
| | Paducah, KY | PDCHKYMA02T | 05/60 | 3 | | C,A | X |
| | Lafayette, LA | LFYTLAMA01T | 11/60 | 3 | | C,A | X |
| | Montgomery, AL | MTGMALMT66T | 07/62 | 3 | | C,A | X |
| | New Orleans 2, LA | NWORLABM01T | 12/62 | 4 | | C,A | X |
| | Mobile, AL | MOBLALMT66T | 05/65 | 3 | | C,A | X |
| OHIO | Cleveland (Henderson 1) (#) | CLEVOH4301T | 04/48 | Lcl. | | | |
| | Cleveland (Garfield) | CLEVOH4201T | 02/55 | 3A | | C | X |
| | Youngstown | YNTWOHO201T | 08/56 | 4 | | C | X |
| | Akron 1 | AKRNOH2501T | 11/57 | 4 | | C | X |
| | Columbus 1 | CLMBOHI101T | 07/58 | 4P | | C | X |
| | Cleveland (Clearwater 1) (*) | CLEVOH2501T | 01/59 | 3A | | C | X |
| | Canton | CNTNOHO101T | 06/60 | 3 | | C | X |
| | Cleveland (Henderson 2) (#) | CLEVOH4302T | 09/66 | Lcl. | | | |
| | Cleveland (Clearwater 2) (*) | CLEVOH2502T | 07/69 | Lcl. | | | |
| MICH | Detroit (Trinity) | DTRTMIMD01T | 10/41 | Lcl. | | | |
| | Detroit (Woodward) (*) | DTRTMIBA21T | 12/53 | 4C | | C | X |
| | Grand Rapids 2 | GDRPMIBL01T | 04/57 | 3 | | C | X |
| | Flint | FLNTMIMN01T | 06/57 | 4 | | C | X |
| | Pontiac | PNTCMIM001T | 04/58 | 4 | | C | X |
| | Detroit (Cadillac) (*) | DTRTMIBAl1T | 07/58 | 4C | | C | X |
| | Detroit (University) | DTRTMIUVO1T | 06/59 | 4C | | C | X |
| | Saginaw | SGNWMIMN01T | 06/61 | 4 | | C | X |
| | Lansing | LNNGMIMN01T | 08/64 | 4 | | C | X |
| | Kalamazoo | KLMZMIMN01T | 11/65 | 4 | | C | X |
| | Jackson | JCSNMIMN01T | 07/67 | 3 | | C | X |
| | Traverse City | TRCYMIMN01T | 06/73 | 4 | | C | X |
| | IND | South Bend 2 | SBNDINO101T | 08/56 | 3A | S S(RTA) | C |
| Evansville | | EVVLINO101T | 10/58 | 3 | C | | X |
| Indianapolis | | IPLSINO101T | 10/70 | Lcl. | C | | X |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION |
|---------------|------------------------------|-------------|--------------|--------|---------------------|----------|----------------------|
| WISC | Milwaukee 2 | MILWWI4801T | 11/48 | 4P | S(RTA) | C | X |
| | Appleton 1 | APPLWI0101T | 05/62 | 3 | | C | X |
| | Madison 1 | MDSNWI0101T | 05/63 | 4P | | C | X |
| | Racine | RACNWI0101T | 05/65 | 4P | | C | X |
| | Milwaukee (Fairway Dr.) | | 11/65 | Lcl. | | | |
| ILL | Chicago (Wabash 1) (#) | CHCGILWB01T | 09/46 | Lcl. | S | | |
| | Chicago (Stewart 1) (*) | CHCGILST01T | 11/52 | 4C | | | |
| | Chicago (Belle Plaine 1) (#) | CHCGILBP01T | 08/54 | 4C | | | |
| | Chicago (Franklin 1) (*) | CHCGILFR01T | 07/55 | Lcl. | | | |
| | Chicago (Kedzie 1) (#) | CHCGILKE01T | 10/58 | Lcl. | | | |
| | Chicago (Franklin 2) (*) | CHCGILFR02T | 05/59 | Lcl. | | | |
| | Champaign 2 | CHMPILCP01T | 06/59 | 4C | | C | X |
| | Chicago (Wabash 2) (#) | CHCGILWB02T | 05/61 | 4C | | | |
| | Centralia | CENLILCE01T | 07/61 | 3C | | C | X |
| | Peoria 1 | PEORILPJ01T | 09/61 | 4C | | C | X |
| | Chicago (Belle Plaine 2) (#) | CHCGILBP02T | 12/61 | Lcl. | | | |
| | Chicago (Congress WATS) | CHCGILCG01T | 09/62 | 5 | | | |
| | Rockford | RCFRILRT01T | 12/62 | 3 | | C | X |
| | Chicago (Stewart 2) (*) | CHCGILST02T | 10/66 | 4C | | | |
| | Morton Grove | MRGVILMG01T | 09/67 | Lcl. | | | |
| | Decatur | DCTRILDC01T | 12/68 | 4C | | C | X |
| | Chicago (Kedzie 2) (#) | CHCGILKE02T | 07/69 | Lcl. | | | |
| | Chicago 5 | CHCGILHK01T | 07/69 | 4 | | C | |
| | Alton | ALTNILAL01T | 12/72 | 4C | | C | X |
| Rock Island 2 | RCISILR101T | 10/73 | 4 | C | X | | |
| NW | Sioux City, IA | SXCYIADT03T | 06/60 | 3 | T | C | X |
| | Waterloo, IA | WTRLIADT03T | 06/61 | 4 | | C | X |
| | Cedar Rapids, IA | CDRRIADT03T | 12/66 | 4 | | C | X |
| | Omaha, NB | OMAHNENW13T | 02/69 | Lcl | | | |
| | Rapid City, SD | RPCYSDCO03T | 03/70 | 4 | | C | X |
| | Bismarck 1, ND | BSMRNDBC04T | 04/70 | 3 | | C | X |
| | Grand Island, NB | GDISNENW03T | 05/70 | 3 | | C | X |
| | Grand Forks, ND | GDFRNDBC04T | 10/73 | 3 | | C | X |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEM IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION |
|----------------|---------------------------------|--------------|--------------|--------|---------------------|----------|----------------------|
| SW | St. Louis, MO (Jefferson 1) (#) | STLSMO0511T | 08/49 | Lcl. | | | |
| | Kansas City, MO | | 09/49 | Lcl. | | | |
| | Amarillo, TX | AMRLTXDRO1T | 08/55 | 2 | | C | X |
| | Salina, KS | SALNKSTA01T | 09/56 | 3 | | C | X |
| | Sweetwater, TX | SWTWTXSW01T | 03/57 | 2 | | | X |
| | Lubbock, TX | LBCKTXPS01T | 07/57 | 3 | | T(RTA) | X |
| | St. Louis, MO (Jefferson 2) (#) | STLSMO0521T | 04/61 | 4C | | C | X |
| | Joplin, MO | JPLNMOMA01T | 06/62 | 3 | | C | X |
| | Springfield, MO | SPFDMOTL01T | 12/64 | 4 | | T | X |
| | Beaumont, TX | BUMTTXTE01T | 05/66 | 3 | | T | X |
| | St. Louis, MO (Chestnut 1) | STLSMO0101T | 09/66 | 4C | | T | X |
| | Ft. Smith, AR | FTSMARSU01T | 11/66 | 4 | | C | X |
| | Waco, TX | WACOTX0101T | 12/67 | 3 | | T(RTA) | X |
| | Sikeston, MO | SKSTM0GRO1T | 11/68 | 3 | | C | X |
| | Abilene, TX | ABLNTXOR01T | 04/69 | 3 | | T(RTA) | X |
| | St. Joseph, MO | STJSMODN01T | 06/70 | 4 | | C | X |
| | MTN | Billings, MT | BLNGMTMA01T | 11/61 | 2 | | C |
| El Paso, TX | | ELPSTXMA01T | 09/62 | 4 | | C | X |
| Grand Jct, CO | | GDJTCOMA01T | 03/68 | 3 | | | X |
| Twin Falls, ID | | TWFLIDMA01T | 08/74 | 4 | | C | X |
| PNB | Seattle, WA (Mutual) | STTLWAO103T | 04/48 | 3A | | | |
| | Seattle, WA (East) | STTLWAO350T | 09/54 | Lcl. | | | |
| | Yakima, WA | YAKMWAO201T | 08/58 | 3 | | C | X |
| | Seattle, WA (Emerson) | STTLWAO451T | 10/58 | Lcl. | | | |
| | Tacoma, WA | TACMWAO201T | 05/64 | 3 | | C | X |
| | Eugene, OR | EUGNOR5301T | 06/65 | 3 | | C | X |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS- LATION |
|-------|-----------------------------|-------------|--------------|--------|---------------------|----------|-----------------------------|
| PAC | San Francisco (Bush 1) (*) | SNFCCA0300T | 12/41 | Lcl. | | | X |
| | Oakland 1 | OKLDCA0301T | 01/42 | Lcl. | | | |
| | Los Angeles 5T | LSANCA0105T | 01/48 | Lcl. | | | |
| | Los Angeles, 17T (*) | LSANCA0517T | 06/49 | Lcl. | | | |
| | San Francisco (Bush 1) (*) | SNFCCA0301T | 06/49 | Lcl. | | | X |
| | Hollywood 3T (#) | HLWDCA0103T | 01/50 | Lcl. | | | |
| | San Jose 2 | SNJSCA0212T | 03/52 | 3A | | C | X |
| | Oakland 4 (Franklin 0) (#) | OKLDCA0300T | 07/54 | 4 | | C | X |
| | Los Angeles, 6T | LSANCA0206T | 08/55 | Lcl. | | | |
| | San Francisco (Onon 0) (#) | SNFCCA0600T | 01/56 | Lcl. | | | X |
| | San Francisco 6 (Onon1) (#) | SNFCCA0601T | 01/56 | 4C | T | C | X |
| | San Diego 2 | SNDGCA0245T | 04/56 | 3A | | C | X |
| | Fresno 1 | FRSNCA0126T | 10/56 | 4 | | C | X |
| | Anaheim | ANHMCA0134T | 06/57 | 3A | S | C | X |
| | Santa Rosa | SNRSCA0129T | 06/57 | 3A | | C | X |
| | Stockton 1 | SKTNCA0128T | 08/57 | 3A | | C | X |
| | Alhambra | ALHBCA0108T | 09/57 | Lcl. | | | |
| | Bakersfield | BKFDCA0130T | 04/58 | 3 | | C | X |
| | Sacramento 2 | SCRMCA0124T | 07/58 | 3A | | C | X |
| | Compton | CMTNCA0122T | 12/58 | Lcl. | | | |
| | Sherman Oaks | SHOKCA0120T | 12/58 | Lcl. | | | |
| | Eureka | EURKCA0131T | 01/59 | 4 | | C | X |
| | Reno 2, NV | RENONVO200T | 01/60 | 3 | | C | X |
| | El Monte | ELMNCA0116T | 02/60 | 3 | | | X |
| | Palo Alto | PLALCA0216T | 07/60 | 4 | | C | X |
| | Oakland 1 (Franklin 1) (*) | OKLDCA0301T | 05/62 | 4 | | C | X |
| | Modesto | MDSTCA0233T | 06/62 | 3 | | C | X |
| | San Rafael | SNRFCA0100T | 09/62 | 4 | | C | X |
| | Oceanside | OCSDCA0127T | 05/63 | 4 | | C | X |
| | Salinas | SLNSCA0111T | 04/64 | 3 | | C | X |
| | Concord | CNCRCA0100T | 05/67 | 4 | | C | X |
| | Los Angeles 18T (*) | LSANCA0518T | 05/67 | Lcl. | | | |
| | Hollywood 4T (#) | HLWDCA0104T | 10/68 | Lcl. | | | |
| | Redding | RDNGCA0203T | 01/72 | 3 | | C | X |
| Chico | CHICCA0105T | 12/72 | 3 | | C | X | |

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

CROSSBAR TANDEMS IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CLASS* | T = TSP S = TSPS | C = CAMA | 6-DIGIT TRANS-LATION |
|-------------|-------------------------|-----------------------------|--------------|--------|---------------------|----------|----------------------|
| SNE | Hartford 1 | HRFRCTO203T | 06/56 | 4 | | C | X |
| | Stamford | SMFRCTO101T | 09/56 | 4 | | C | X |
| | New Haven 2 | NWHVCTO201T | 04/57 | 4 | | C | X |
| | Waterbury | WTRBCTO002T | 11/57 | 4 | | C | X |
| | Meriden | MRDNCTO002T | 10/58 | 4 | | C | X |
| | Bridgeport 2 | BRPTCTO202T | 03/59 | 4 | S | C | X |
| | New London | NWLNCTO201T | 05/62 | 4 | | C | X |
| | Hartford 2 | HRFRCTO203T | 08/65 | 4 | S | C | X |
| | Norwalk | NRWLCTO201T | 12/70 | 4 | S | C | X |
| | CINN | Cincinnati (St. Bernard) | CNCNOHWS01T | 10/49 | 4C | S | C |
| STBROHSB01T | | | 05/63 | Lcl. | | | X |
| NON-BELL | Rochester 1, NY | ROCHNYXAQ1T | 03/58 | 4 | | C | X |
| | Rochester 2, NY | ROCHNYXA02T | 04/69 | 4 | | C | X |
| CANADA | Regina 1, SA | REGNSKO101T | 11/55 | 2 | | C | X |
| | Toronto 2, ON | TOROONO202T | 08/58 | 4 | | C | X |
| | Calgary 1, AB | CLGRABO101T | 04/59 | 4 | | C | X |
| | Montreal 2, PG | MTRLPQO102T | 03/60 | 4 | | C | X |
| | London 1, ON | LONDON4801T | 08/60 | 4 | | C | X |
| | Hamilton 1, ON | HMTNON1401T | 02/61 | 4 | | C | X |
| | Saint John 1, NB | STJHNBSU01T | 05/62 | 2 | | C,A | X |
| | Windsor, ON | WNDSON1201T | 05/62 | 4 | | C,A | X |
| | Ottawa 1, ON | OTWAON2301T | 05/63 | 4 | | C,A | X |
| | Barrie, ON | BARION1801T | 05/64 | 4 | | C,A | X |
| | Kitchener 1, ON | KTNRONO601T | 09/64 | 3 | | C,A | X |
| | Sudbury, ON | SDBRON9701T | 12/64 | 3 | | C,A | X |
| | Sherbrooke, PQ | SHBKPQ4001T | 03/66 | 3 | | C,A | X |
| | Prince George, BC (XPT) | PGRGBCO102T | 05/73 | 3 | | C,A | X |

A* = Auxiliary Switching Systems

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

SWITCHING CLASSIFICATION: If Local and Toll traffic is handled, the system is classed here as "C." Local only systems are noted as "Lcl."

NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1977

| CO. | LOCATION | CLLI | CLASS | C = CAMA | CO. | LOCATION | CLLI | CLASS | C = CAMA | |
|--------------|------------------|------------------|-------------|---------------|----------------|--------------------|----------------|-------------|----------|---|
| NE | Ayer, MA | AYERMAPL01T | 4 | C | NJ | Penns Grove | PGRVNJPG01T | 4 | C | |
| | Gardner, MA | GRNRMAWE01T | 4 | C | | Burlington | BURLNJBU01T | 4 | | |
| | Milford, MA | MLFRMAWA01T | 4 | | | Mt. Holly | MTHLNJMH01T | 4 | C | |
| | Plymouth, MA | PLMOMACO01T | 4 | | | Washington | WASHNJWA01T | 4 | C | |
| | Salem, MA | SALMMAN001T | 4 | C | | Red Bank | RDBKNJRB01T | 4 | | |
| | Walpole, MA | WLPLMASS01T | 4 | C | | Freehold | FRHDNJFH01T | 4 | C | |
| | Falmouth, MA | FLMOMAMG01T | 4 | | | PA | Warren | WRRNPAWA51T | 3 | C |
| | Hyannis, MA | HYSMAOC01T | 4 | C | | | West Chester | WCHSPAWC51T | 3 | C |
| | Wareham, MA | WAHMAH101T | 4 | | | | Coatesville | CTVLPACV51T | 4 | |
| | Northampton, MA | NATNMAMA01T | 4 | | | | Kennett Square | KNSQPAKS51T | 4 | |
| | Pittsfield 2, MA | PTFDMAFE02T | 4 | C | Lansdale | | LNDLPALD51T | 4 | C | |
| | Newport, RI | NWPTRIBU01T | 4 | | Norristown | | NRTWPANT51T | 4 | C | |
| | Woonsocket, RI | WNSCRICL01T | 4 | | Pottstown | | PTTWPAPT51T | 4 | C | |
| | Portsmouth, NH | PTMONHIS01T | 4 | | Warrington | | WGTNPAWR51T | 4 | C | |
| | Dover, NH | DOVRNHTH01T | 4 | C | Stroudsburg | | SRBGPAST51T | 4 | C | |
| | Keene, NH | KEENNHWA01T | 4 | C | Bloomsburg | | BMBGPABL51T | 4 | C | |
| | NY | Laconia, NH | LACNNHNM01T | 4 | C | Du Bois | DUBSPADU51T | 4 | C | |
| | | Burlington 2, VT | BURLVTMA02T | 4 | C | Connellsville | CNVLPACO51T | 4 | | |
| | | Plattsburgh | PLBGNYPB03T | 3 | C | Rochester | ROCHPARC51T | 4 | C | |
| | | Kingston | KGTNNYKG01T | 4 | C | Clarion | CLARPACL51T | 4 | C | |
| Newburgh | | NWBRNYNW01T | 4 | C | Sharon | SHRNPASH51T | 4 | C | | |
| Catskill | | CTSKNYCT01T | 4 | C | Pottsville | PTTVPAP051T | 4 | C | | |
| Malone | | MALNNYMM01T | 4 | | Washington | WASHPAWA51T | 4 | | | |
| Saranac Lake | | SRLKNYOL01T | 4 | C | Dover, DE | DOVRDEDV51T | 4 | C | | |
| Hornell | | HRNLNYHL01T | 4 | C | C&P | Wheeling, WV | WLNGWVCP25T | 3 | C | |
| Ithaca | | ITHCNYIH01T | 4 | C | | Bel Air, MD | BLARMDBL01T | 4 | C | |
| Oneonta | | ONNTNYOA01T | 4 | C | | Chestertown, MD | CHRTMDCH01T | 4 | C | |
| Batavia | | BATVNYBT01T | 4 | C | | Cumberland, MD | CMLDMDCM01T | 4 | C | |
| Dunkirk | | DNKRNYDK01T | 4 | C | | Easton, MD | ESTNMDES01T | 4 | C | |
| Olean | | OLENNYHA01T | 4 | C | | Hagerstown, MD | HGTWMDHG01T | 4 | C | |
| Geneva | | GENVNYGN01T | 4 | C | | Havre de Grace, MD | HDGRMDHV01T | 4 | C | |
| Herkimer | | HRKMNYHC01T | 4 | C | | Westminster, MD | WMNSMDWM01T | 4 | C | |
| Newark | | NWRKNYNK01T | 4 | C | | Danville, VA | DAVLVADA01T | 4 | C | |
| Ogdensburg | | OGBGNYOG01T | 4 | | | Norton, VA | NRTNVANO01T | 4 | C | |
| Oneida | | ONEDNYOD01T | 4 | C | Leesburg, VA | LSBGVALB01T | 4 | C | | |
| Oswego | | OSWGNYSO01T | 4 | C | Winchester, VA | WNCHVAWC01T | 4 | C | | |
| Potsdam | PTSDNYPS01T | 4 | C | Fairmont, WV | FAMTWVMN25T | 4 | C | | | |
| Rome | ROMENYRM01T | 4 | C | Weirton, WV | WRTNWVDW25T | 4 | C | | | |
| Watertown | WTTWNYUN01T | 4 | C | Lewisburg, WV | LWBGWVMW25T | 4 | C | | | |
| Riverhead | RVHDNYRV01T | 4 | | | | | | | | |
| Southampton | SATNNYSN01T | 4 | | | | | | | | |

NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE – END OF 1977

| CO. | LOCATION | CLLI | CLASS | C = CAMA | CO. | LOCATION | CLLI | CLASS | C = CAMA |
|-----------------|------------------|------------------|-------------|----------|-----------------|-------------------|-------------|-------|----------|
| C&P | Logan, WV | LOGNWVHC25T | 4 | C | SOCN | Huntsville, AL | HNVIALMT61T | 4 | C |
| | Williamson, WV | WMSNWVLG25T | 4 | | | Sheffield, AL | SHFDALMT61T | 4 | C |
| | Frederick, MD | FRDRMDFR01T | 4 | C | | Tuscaloosa, AL | TSCLALMT61T | 4 | C |
| | La Plata, MD | LPLTMDLA01T | 4 | C | | Selma, AL | SELMALMT61T | 4 | C |
| | Annapolis, MD | ANNPMDAN01T | 4 | C | | Crowley, LA | CRWYLAMA01T | 4 | |
| | Culpeper, VA | CLPPVACU01T | 4 | C | | Minden, LA | MINDLAMA01T | 4 | |
| | Onancock, VA | ONNCVAON01T | 4 | C | | Monroe, LA | MONRLAMA01T | 4 | C |
| SO | Chipley, FL | CHPLFLMA01T | 4 | C | Ruston, LA | RSTNLAMA01T | 4 | C | |
| | Laurinburg, NC | LRBGNCMA01T | 3 | C | Covington, LA | CVTNLAMA01T | 4 | C | |
| | Thomasville, GA | THVLGAMA01T | 3 | C | Hammond, LA | HMNDLAMA01T | 4 | C | |
| | Waycross, GA | WYCRGAMA01T | 3 | C | Houma, LA | HOURLAMA01T | 4 | | |
| | Cordele, GA | CORDGAMA01T | 4 | | Gulfport, MS | GLPTMSTS05T | 4 | C | |
| | Dublin, GA | DBLNGAMA01T | 4 | C | Columbus, MS | CLMBMSMA05T | 4 | C | |
| | Millen, GA | MLLNGAMA01T | 4 | C | Biloxi, MS | BILXMSMA05T | 4 | C | |
| | Bainbridge, GA | BNBRGAMA01T | 4 | C | McComb, MS | MCCMMSMA05T | 4 | C | |
| | Valdosta, GA | VLDSGAMA01T | 4 | C | Grenada, MS | GRNDMSMA05T | 4 | C | |
| | Albany, GA | ALBYGAMA01T | 4 | C | Columbia, TN | CLMATNMA51T | 4 | C | |
| | Brunswick, GA | BRWKGAMA01T | 4 | | Lebanon, TN | LBNNTNMA51T | 4 | | |
| | Cartersville, GA | CRVLGAMA01T | 4 | C | Shelbyville, TN | SHVLTNMA51T | 4 | C | |
| | Griffin, GA | GRFNGAMA01T | 4 | C | Athens, TN | ATHNTNMA51T | 4 | | |
| | Newnan, GA | NWNNGAMA01T | 4 | | Harriman, TN | HIMNTNMA51T | 4 | C | |
| | Morganton, NC | MGTINNCGR01T | 4 | | Morristown, TN | MRTWTNMA51T | 4 | C | |
| | Salisbury, NC | SLBRNCMA01T | 4 | | Dyersburg, TN | DYBGTNMA51T | 4 | C | |
| | Goldsboro, NC | GLBONCMA01T | 4 | | Jackson, TN | JCSNTNMA51T | 4 | C | |
| | Orangeburg, SC | ORBGSCMA01T | 4 | C | Middlesboro, KY | MDBOKYMA05T | 4 | C | |
| | De Land, FL | DELDFLMA01T | 4 | C | Owensboro, KY | OWBOKYMA05T | 4 | C | |
| | Cocoa, FL | COCOFLMA01T | 4 | | Frankfort, KY | FRFTKYMA05T | 4 | C | |
| | Fort Pierce, FL | FTPRFLMA01T | 4 | C | Shelbyville, KY | SHVLKYMA05T | 4 | C | |
| | Melbourne, FL | MLBRFLMA01T | 4 | C | Mayfield, KY | MYFDKYMA05T | 4 | | |
| | Sanford, FL | SNFRFLMA01T | 4 | C | Hattiesburg, MS | HTBGMSMA05T | 4 | C | |
| | Titusville, FL | TTVLFLMA01T | 4 | | Laurel, MS | LARLMSMA05T | 4 | C | |
| | SOCN | Danville, KY | DAVLKYMA05T | 3 | C | Meridian, MS | MRDNMSTL05T | 4 | C |
| | | Greenwood, MS | GNWDMSMA05T | 3 | C | Bowling Green, KY | BWLGKYMA05T | 4 | C |
| | | Madisonville, KY | MDVIKYMA05T | 3 | C | Henderson, KY | HNSNKYMA05T | 4 | C |
| Paintsville, KY | | PNVLKYMA05T | 3 | C | Humbolt, TN | HMBLTNMA51T | 4 | C | |
| Tupelo, MS | | TUPLMSMA05T | 3 | C | | | | | |
| Winchester, KY | | WNCHKYMA05T | 3 | C | | | | | |
| Jasper, AL | | JSPRALMT61T | 4 | C | | | | | |
| Gadsden, AL | | GSDDALMT61T | 4 | C | | | | | |

NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1977

| CO. | LOCATION | CLLI | CLASS | C = CAMA | CO. | LOCATION | CLLI | CLASS | C = CAMA |
|------|-----------------------|--------------|-------|-------------|-----------------------|----------------|-------------|-------|----------|
| OHIO | Piqua | PIQUOH7750T | 4P | | ILL | Canton | CNTNILCNO7T | 4 | C |
| | Coshocton | CSTNOH6250T | 4P | C | | Rock Island | RCISILRI07T | 4 | C |
| | Gallipolis | GLPLOH4450T | 4 | C | | Mount Vernon | MTVRILMV07T | 4 | C |
| | Ironton | IRTNOH5350T | 4 | C | | Edwardsville | EWVLILERO7T | 4 | C |
| | Lancaster | LNC SOH6550T | 4 | C | | Vandalia | VANDILVA07T | 4 | C |
| | Marietta | MRTTOH3750T | 4 | C | | Mason City, IA | MSCYIATC05T | 3 | C |
| | Washington (Ct. Hse.) | WACHOH3350T | 4 | C | | Owatonna, MN | OWTNMNOW05T | 3 | C |
| | Findlay | FNDYOH4205T | 4 | C | | Bemidji, MN | BMDJMNBE05T | 4 | C |
| | Sandusky | SNDSOH6250T | 4 | C | | Shakopee, MN | SHKPMNSH05T | 4 | C |
| | Tiffin | TFFNOH4450T | 4 | C | | Crookston, MN | CKTNMNCRO5T | 4 | C |
| MICH | Escanaba | ESCNMIMN09T | 3 | C | Thief River Falls, MN | TRFLMNTTH05T | 4 | C | |
| | Petosky | PTSKMIMN19T | 4 | C | Anoka, MN | ANOKMNANO5T | 4 | C | |
| | Monroe | MONRMIMN09T | 4 | | Ames, IA | AMESIATC05T | 4 | C | |
| | Niles | NILSMIMN09T | 4 | | Carroll, IA | CRRLIATC05T | 4 | C | |
| | Iron Mountain | IRMTMIMN09T | 4 | C | Webster City, IA | WBCYIATC05T | 4 | C | |
| | Marquette | MRQTMIMN19T | 4 | C | Charles City, IA | CHCYIATC05T | 4 | | |
| IND | Crawfordsville | CFVLIN0105T | 4 | C | Clinton, IA | CLTNIADT05T | 4 | | |
| | Kokomo | KOKMIN0105T | 4 | C | Ft. Madison, IA | FTMDIATC05T | 4 | | |
| | New Castle | NWCSIN0105T | 4 | C | Iowa City, IA | IWCYIATC05T | 4 | C | |
| | Vincennes | VINCIN0105T | 4 | C | Dubuque, IA | DUBQIATC05T | 4 | C | |
| | Auburn | AUBNIN0105T | 4 | C | Muscatine, IA | MSCTIATC05T | 4 | | |
| | Huntington | HNTNIN0105T | 4 | C | Oelwein, IA | OLWNIATC05T | 4 | C | |
| | Crown Point | CRPNINX07T | 4 | C | Spencer, IA | SPNCIATC05T | 4 | C | |
| | Hammond | HMNDINH07T | 4 | C | Storm Lake, IA | STLKIATC05T | 4 | | |
| WISC | Stevens Point | STPTWI1511T | 3 | C | Grafton, ND | GFTNNDBC05T | 4 | | |
| | Watertown | WTTWVI0151T | 3 | C | Jamestown, ND | JMTWNDBC05T | 4 | | |
| | Berlin | BRLNWI0151T | 4 | | Aberdeen, SD | ABRSDSDC005T | 4 | C | |
| | Fond du Lac | FDULWI0151T | 4 | C | Deadwood, SD | DDWSDSDC005T | 4 | | |
| | Oshkosh | OSHKWI0151T | 4 | C | Winona, MN | WINOMNWI05T | 4 | C | |
| ILL | LaSalle | LSLLILLS07T | 4 | C | Watertown, SD | WTTWSDC005T | 4 | C | |
| | Morris | MRRSILMS07T | 4 | C | Winner, SD | WNNRSDC005T | 4 | | |
| | Sterling | STNGILSI01T | 4 | C | Fremont, NB | FRMTNENW05T | 4 | C | |
| | Woodstock | WDSTILWS07T | 4 | C | Norfolk, NB | NRFLNENW05T | 4 | C | |
| | Cairo | CAIRILCF07T | 4 | C | Atlantic, IA | ATLTIATC05T | 4 | C | |
| | Beardstown | BDTWILBD07T | 4 | C | McCook, NB | MCKKNENW05T | 4 | | |
| | Quincy | QNCYILQY07T | 4 | C | North Platte, NB | NPLTNENW05T | 4 | C | |
| | Danville | DAVLILDA07T | 4 | C | Sidney, NB | SDNYNENW05T | 3 | C | |
| | | | | | Virginia, MN | VRGNMNVIO5T | 3 | C | |
| | | | | | Wadena, MN | WADNMNWA05T | 3 | C | |
| | | | | Willmar, MN | WLMRMNWI05T | 3 | C | | |
| | | | | Windom, MN | WNDMMNWI05T | 3 | C | | |

NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1977

| CO. | LOCATION | CLLI | CLASS | C = CAMA | CO. | LOCATION | CLLI | CLASS | C = CAMA | |
|------------------|------------------|-------------|-------|-----------------|-------------|--------------------|-----------------|--------------|----------|---|
| SW | Clinton, OK | CLTNOKMA05T | 3 | C | SW | Cushing, OK | CSNGOKMA05T | 4 | C | |
| | Durant, OK | DRNTOKMA05T | 3 | C | | McAlester, OK | MCLSOKMA05T | 4 | C | |
| | Enid, OK | ENIDOKMA05T | 3 | C | | Waxahachie, TX | WAXCTXWE05T | 4 | | |
| | Moberly, MO | MBRIMOAM05T | 3 | C | | Cisco, TX | CISCTXHI05T | 4 | C | |
| | Parsons, KS | PRSSKSWA05T | 3 | C | | Wharton, TX | WHTNTXWH05T | 4 | C | |
| | Flat River, MO | FLRVMOGE05T | 4 | C | | Beeville, TX | BEVLTXBV05T | 4 | C | |
| | Hannibal, MO | HNBLMOAC05T | 4 | C | | Seguin, TX | SGINTXSG05T | 4 | C | |
| | Mexico, MO | MEXCMOJU05T | 4 | C | | MTN | Casper, WY | CSPRWYMA26T | 3 | C |
| | Chillicothe, MO | CHLCMOMI05T | 4 | C | | | Great Falls, MT | GRFLMTMA73T | 3 | C |
| | Sedalia, MO | SDLIMOTA05T | 4 | C | | | Roswell, NM | RSWLNMMMA62T | 3 | C |
| | Blytheville, AR | BYVLARPO05T | 4 | C | | | Miles City, MT | MLCYMTMA23T | 4 | C |
| | Forrest City, AR | FRCYARMA05T | 4 | C | | | Logan, UT | LOGNUTMA75T | 4 | C |
| | Jonesboro, AR | JNBOARMA05T | 4 | C | | | Price, UT | PRICUTMA63T | 4 | C |
| | McGehee, AR | MCGHARMA05T | 4 | | | | Ogden, UT | OGDNUTMA62T | 4 | C |
| | Pine Bluff, AR | PNBLARJE05T | 4 | C | | | Vernal, UT | VRNLUTMA78T | 4 | C |
| | Rogers, AR | RGRSARMA05T | 4 | | | | Pocatello, ID | PCTLIDMA23T | 4 | C |
| | West Memphis, AR | WMMPARMA05T | 4 | C | | | Ft. Collins, CO | FTCLCOMA48T | 4 | C |
| | Chanute, KS | CHNTKSSS05T | 4 | C | | Grand Junction, CO | GDJTCO2324T | 4 | C | |
| | Dodge City, KS | DDCYKSMA05T | 4 | | | Greeley, CO | GRELCOMA35T | 4 | C | |
| | Independence, KS | INDPKSMA05T | 4 | C | | Sterling, CO | STNGCOMA52T | 4 | C | |
| | Pittsburg, KS | PSBGKSL005T | 4 | C | | Durango, CO | DURNCOMA24T | 4 | C | |
| | Atchison, KS | ATSNKSF05T | 4 | | | Alamogordo, NM | ALMGNMMA43T | 4 | A | |
| | Lawrence, KS | LWRNKSVE05T | 4 | C | | Prescott, AZ | PRSCAZMA44T | 4 | C | |
| | Leavenworth, KS | LVWOKSSH05T | 4 | | | Livingston, MT | LVTNMTMA22T | 4 | C | |
| | Olathe, KS | KSCYKSOL05T | 4 | | | Rock Springs, WY | RCSPWYMA38T | 4 | C | |
| | Ottawa, KS | OTWAKSMA05T | 4 | C | | Missoula, MT | MSSLMTMA72T | 4 | C | |
| | El Dorado, KS | ELDOKSST05T | 4 | C | PNB | Astoria, OR | ASTROT6401T | 3 | C | |
| | Emporia, KS | EMPRKS0805T | 4 | C | | Bellingham, WA | BLHMWA0101T | 3 | | |
| | Newton, KS | NWTNKS0505T | 4 | | | Bend, OR | BENDOR2401T | 3 | C | |
| | Winifield, KS | WNFDKSMI05T | 4 | C | | Medford, OR | MDFDOR3301T | 3 | C | |
| | Abilene, KS | ABLNKSCD05T | 4 | C | | Pendleton, OR | PNTNOR5601T | 3 | C | |
| | Concordia, KS | CNCRKSBRO5T | 4 | C | | Aberdeen, WA | ABRDWA0101T | 4 | C | |
| Ada, OK | ADA-OKMA05T | 4 | C | Salem, OR | SALMOR5801T | 4 | C | | | |
| Ardmore, OK | ARMROKMA05T | 4 | C | Longview, WA | LGVWWA0201T | 4 | C | | | |
| Chickasha, OK | CHCKOKMA05T | 4 | C | Olympia, WA | OLYMWA0201T | 4 | C | | | |
| Norman, OK | NRMNOKMA05T | 4 | | Walla Walla, WA | WLWLWA0101T | 4 | C | | | |
| Shawnee, OK | SHWNOKMA05T | 4 | C | | | | | | | |
| Elk City, OK | EKCYOKMA05T | 4 | | | | | | | | |
| Altus, OK | ALTSOK'A05T | 4 | C | | | | | | | |
| Duncan, OK | DNCNOKMA05T | 4 | C | | | | | | | |
| Bartlesville, OK | BRVLOKFE05T | 4 | C | | | | | | | |

NO. 5 CROSSBAR CLASS 3 & CLASS 4 OFFICES IN SERVICE - END OF 1977

| CO. | LOCATION | CLLI | CLASS | C = CAMA | CO. | LOCATION | CLLI | CLASS | C = CAMA | | | | |
|--------------------|---------------------|----------------|-------------|----------------------|--------------|--------------------------|-------------|-------|----------|------------------|-------------|---|---|
| PAC | San Luis Obispo, CA | SNLOCA0117T | 3 | C | CANADA | Mont Laurier, PQ | MTLRPQXT01T | 4 | | | | | |
| | Yuba City, CA | YBCYCA0167T | 4 | C | | Montmagny, PQ | MTMGPQXQ01T | 4 | C | | | | |
| | Red Bluff, CA | RDBLCA0152T | 4 | | | Ste. Marie de Beauce, PQ | STMBPQXQ01T | 4 | C | | | | |
| | El Centro, CA | ELCNCA0141T | 4 | C | | Val D'Or, PQ | VLDRPQXA01T | 3 | C | | | | |
| | Jackson, CA | JCSNCA0122T | 4 | C | | Brampton, ON | BMTNON1301T | 4 | C | | | | |
| | Dinuba, CA | DINBCA0120T | 4 | | | Brockville, ON | BKVLON4501T | 4 | C | | | | |
| | Rialto, CA | RILTCA1173T | 4 | C | | Belleville, ON | BLVLON2401T | 4 | C | | | | |
| | Newhall, CA | NHLLCA0147T | 4 | C | | Brantford, ON | BTFDON1701T | 4 | C | | | | |
| | Escondido, CA | ESCNCA0166T | 4 | C | | Chatham, ON | CHHMON1701T | 4 | C | | | | |
| | South Tahoe, CA | STAHC0135T | 4 | C | | Cornwall, ON | CRNWON2401T | 4 | C | | | | |
| | Lakeport, CA | LKPTCA0204T | 4 | | | Fort Erie, ON | FTERON2001T | 4 | C | | | | |
| Paso Robles, CA | PSRBCA0150T | 4 | | Guelph, ON | GLPHON2201T | 4 | C | | | | | | |
| SNE | Danielson, CT | DNSNCT0001T | 4 | C | Kingston, ON | KGTNON0801T | 4 | C | | | | | |
| CINN | Batavia, OH | BATVOHBA01T | 4 | | Lindsay, ON | LNDSON0901T | 4 | C | | | | | |
| | | | | | Markhan, ON | MRHMON2401T | 4 | C | | | | | |
| NON-BELL | CANADA | Drumheller, AB | DMHLAB0101T | 4 | | Marathon, ON | MRTHON3901T | 4 | C | | | | |
| | | | | | | Grand Prairie, AB | GDPRAB0101T | 4/5 | C | New Market, ON | NWMKON8501T | 4 | C |
| | | | | | | Peace River, AB | PCRVAB0101T | 4 | C | North Bay, ON | NRBAON2401T | 3 | C |
| | | | | | | New Castle, NB | NWCSNBSC01T | 3 | C | Orangeville, ON | OGVLON2301T | 4 | C |
| | | | | | | Moncton, NB | MCTNNBSA01T | 4 | C | Owen Sound, ON | OWSDON5901T | 4 | C |
| | | | | | | New Glasgow, NS | NWGLNS0101T | 4 | C | Peterborough, ON | PTBOON6201T | 4 | C |
| | | | | | | Sydney, NS | SYDNNS0101T | 4 | C | Sarnia, ON | SARNON3001T | 4 | C |
| | | | | | | Chicoutimi, PQ | CCTMPQ0301T | 3 | C | Simcoe, ON | SIMCON3001T | 4 | C |
| | | | | | | Drummondville, PQ | DRUMPQ7701T | 4 | C | Smith Falls, ON | SMFLON1801T | 4 | C |
| | | | | | | Granby, PQ | GRNBQP8801T | 4 | C | Stratford, ON | SRFRON3801T | 4 | C |
| Joliette, PQ | JOLTPQ1701T | 4 | C | Sault Ste. Marie, ON | SSMRON9401T | 4 | C | | | | | | |
| Lac Megnatic, PQ | LCMGPQ1401T | 4 | C | St. Thomas, ON | STTMON2801T | 4 | C | | | | | | |
| St. Felicien, PQ | SFCNPQ2901T | 4 | C | Walkerton, ON | WKTNON0101T | 4 | C | | | | | | |
| St. Jerome, PQ | SJERPQ0501T | 4 | C | | | | | | | | | | |
| St. Agathe, PQ | STATPQ5301T | 4 | C | | | | | | | | | | |
| Trois Rivieres, PQ | TSRVPQ3201T | 4 | C | | | | | | | | | | |
| Valleyfield, PQ | VYFDPQ4701T | 4 | C | | | | | | | | | | |
| Rimouski, PQ | RMKIPQXA01T | 3 | C | | | | | | | | | | |
| Cap aux Meules, PQ | CPMLPQXT01T | 4 | | | | | | | | | | | |
| Donnacona, PQ | DNNCPQXQ01T | 4 | C | | | | | | | | | | |

BELL SYSTEM STEP-BY-STEP CAMA SYSTEMS IN SERVICE-END OF 1977

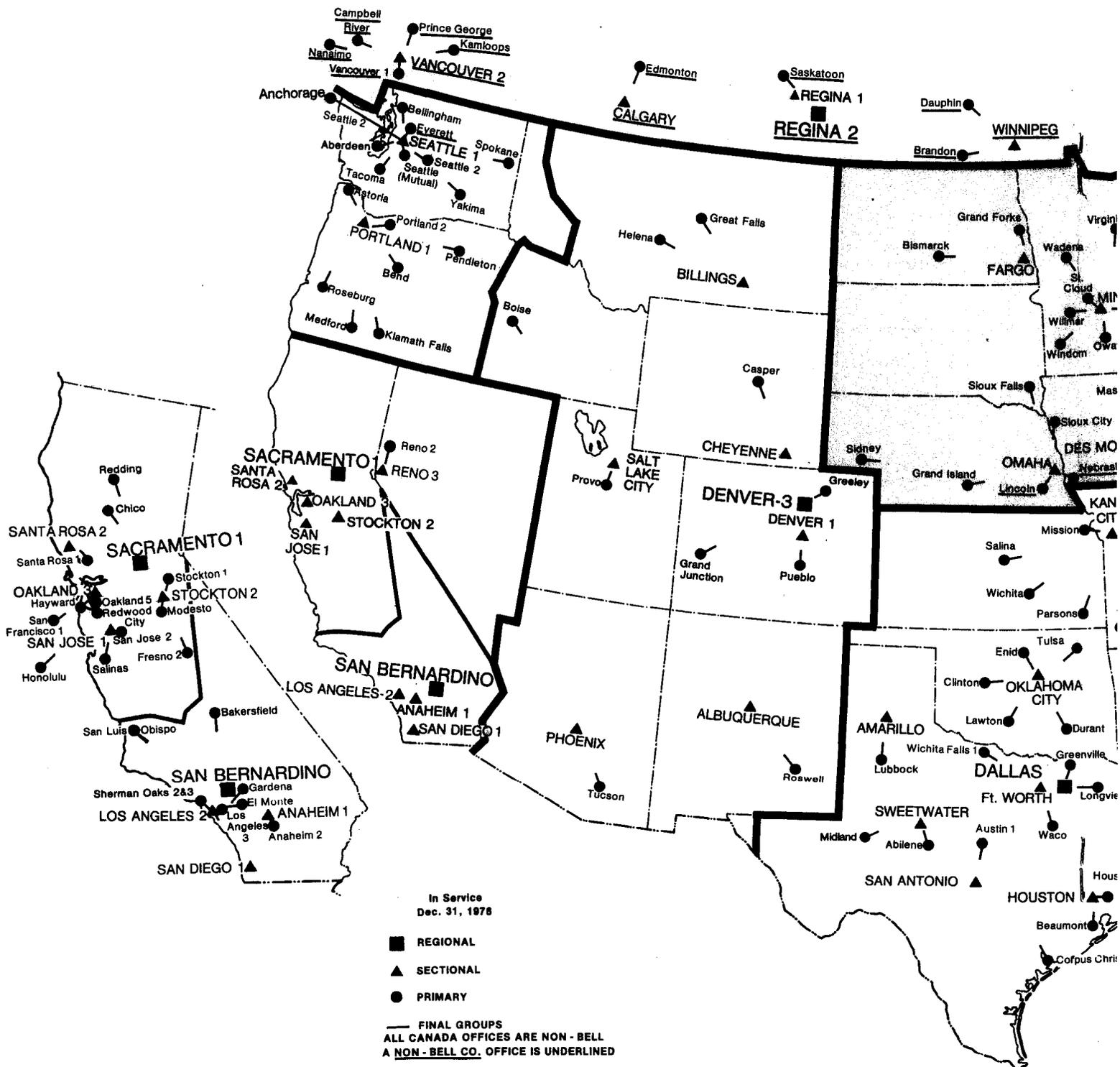
| CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | | | | |
|---------------|---|-----------------|----------------------------------|-------------------------------------|--------------|---|---|--|---------------|-------------|--|--|
| NE | Augusta, ME Brattleboro, VT Concord, NH Fitchburg, MA St. Johnsbury, VT Littleton, NH Montpelier, VT Rockland, ME Rutland, VT Waterville, ME | AGSTMEST01T | IND | Columbus | CLMBIN0105T | MTN | Cedar City, UT Glendive, MT Globe, AZ Santa Fe, NM | CDCYUTMA58T GLNDMTMA36T GLOBAZMA42T SNFENMMA98T | | | | |
| | | BRBOVTMA01T | WISC | Ashland | ASLDWIO111T | | | | | | | |
| | | CNCRNHSO01T | | Hudson | HDSNWIO111T | | | | | | | |
| | | FTBGMAMA01T | | Marinette | MRNTWIO111T | | | | | | | |
| | | STBYVTSM01T | | Rhineland | RHNLWIO111T | | | | | | | |
| | | LTTNNHPLO1T | | Superior | SPRRWIO111T | | | | | | | |
| | | MTPLVTSC01T | | NW | Marshall, MN | MRSHMNMA01T | | | | | | |
| | | RKLDMEL101T | | | Sheldon IA | SHLNIATC01T | | | | | | |
| | | RTLDTWEO1T | | | Luverne, MN | LVRNMNLU01T | | | | | | |
| | | WTVLMEAP01T | | SW | Brenham, TX | BRHMTX0109T | | | | | | |
| NY | Glens Falls | GLFLNYGFO1T | Cleveland, TX | | CLEVTXCL09T | | | | | | | |
| | | PA | Bradford Easton New Castle | | BRFRPABR11T | Colby, KS | CLBYKSOS09T | | | | | |
| | | | | | ESTNPAEA11T | El Dorado, AR | ELDOARMA09T | | | | | |
| | | | | | NWCSPANC11T | Garden City, KS | GRCYKS0709T | | | | | |
| | | | | | C&P | Beckley, WV Martinsburg, WV Newport News, VA Parkersburg, WV Staunton, VA | BCKLWVWD21T | Great Bend, KS | GRTBKSST09T | | | |
| | | | | | | | MRBGWVBU21T | Hays, KS | HAYSKS1109T | | | |
| | | | | | | | NWNWVAHU01T | Hope, AR | HOPEARMA09T | | | |
| | | | | | | | PRBGWVKT21T | Hutchinson, KS | HTSNKS0209T | | | |
| | | | | | | | STTNVAST01T | Liberal, KS | LBRLKS0409T | | | |
| | | | | SO | | | Gainesville, GA | GSVLGAMA01T | Manhattan, KS | MNHTKS0409T | | |
| OHIO | Barnesville Hillsboro New Lexington Springfield Steubenville Upper Sandusky Winchester Xenia Zanesville Fremont | Marysville, KS | MYVIKSEL09T | | | | | | | | | |
| | | Midland, TX | MDLDTXMU09T | | | | | | | | | |
| | | Nacogdoches, TX | NCGDTXNC09T | | | | | | | | | |
| | | Newport, AR | NWPTARMA09T | | | | | | | | | |
| | | Odessa, TX | ODSSTXFE09T | | | | | | | | | |
| | | Ponca City, OK | PNCYOKMA09T | | | | | | | | | |
| | | Texas City, TX | TXCYTXTC09T | | | | | | | | | |
| | | Woodward, OK | WDWROKMA09T | | | | | | | | | |
| | | Victoria, TX | VCTATX0109T | | | | | | | | | |
| | | Huntsville, TX | HNVITXHN09T | | | | | | | | | |
| Eldon, MO | ELDNMOEX09T | | | | | | | | | | | |
| Kirkville, MO | KKVLMOM009T | | | | | | | | | | | |
| CAN | Campbell River, B.C. (1955) Dauphin, Man. (1952) Nanaimo, B.C. (1960, CAMA, ANI) Vancouver 1, B.C. (FW-1, 1959, C,A) Kamloops, B.C. | NON-BELL | CAN | CBRVBC0101T | | | | | | | | |
| | | | | DAPHMB0101T | | | | | | | | |
| | | | | NNIMBC0101T | | | | | | | | |
| | | | | VANCBC0101T | | | | | | | | |
| | | | | KMLPBC0101T | | | | | | | | |
| | | | | STEP-BY-STEP CSP'S (CLASS 3) | | | | | | | | |
| | | | | CO. | LOCATION | CLLI | | | | | | |

STEP-BY-STEP CLASS 4 OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | | |
|-----|--------------------|-------------|------------|--------------------|-----------------|----------------|--------------------|--------------|-----------------|-------------|
| NE | Fitchburg, MA | FTBGMAMA01T | NY | Cobleskill | CBLSNYZB01T | SO | Lenoir, NC | LENRNCHA01T | | |
| | New Bedford, MA | NBFRMAAE01T | | Glens Falls | GLFLNYGF01T | | Shelby, NC | SHLBNCMA01T | | |
| | Newburyport, MA | NBPTMAGRO1T | | Greenwich | GNWCNYGW01T | | Statesville, NC | SSVLNCMA01T | | |
| | Greenfield, MA | GNFDMACH01T | | Hudson | HDSNNYHD01T | | Hendersonville, NC | HNSNNCXA01T | | |
| | North Adams, MA | NADMMASO01T | | Schenectady | SCHNNYSC01T | | Aiken, SC | AIKNSCMA01T | | |
| | Pittsfield 1, MA | PTFDMAFE01T | | Ticonderoga | TCNDNYTI01T | | Sumter, SC | SMTRSCLO1T | | |
| | Claremont, NH | CLMTNHBR01T | | Bath | BATHNYBH01T | | Anderson, SC | ARSNSCMA01T | | |
| | Concord, NH | CHCRNHSS01T | | Corning | CRNGNYCG01T | | Spartanburg, SC | SPBGSCMA01T | | |
| | Conway, NH | CNWYNHYA01T | | Cortland | CRLDNYCR01T | | Americus, GA | AMRCGAMA01T | | |
| | Nashua, NH | NASHNHMA01T | | Elmira | EMIRNYEM01T | | Vidalia, GA | VDALGAMA01T | | |
| | Augusta, ME | AGSTMEST01T | | Lockport | LCPTNYLK01T | | Hazelhurst, GA | HZHLGAMA01T | | |
| | Farmington, ME | FRTNMEHI01T | | Niagara Falls | NGFLNYPO01T | | Jesup, GA | JE SPGAMA01T | | |
| | Bath, ME | BATHMEHI01T | | Auburn | AUBNNYAU01T | | Carrollton, GA | CRTNGAMA01T | | |
| | Biddeford, ME | BDFRMEJE01T | | Sodus | SODSNYSO1T | | Gainesville, GA | GSVLGAMA01T | | |
| | Calais, ME | CALSMECH01T | | NJ | Manahawkin | | MNHWNJMH01T | Rome, GA | ROME GATL01T | |
| | Dover Foxcroft, ME | DVFXMEMA01T | | | PA | | Easton | ESTNPAEA11T | Brooksville, FL | BKVLFLMA01T |
| | Ellsworth, ME | ELWOMEMA01T | | | | | Lansdale | LNDLPALD11T | Key West, FL | KYWSFLMA01T |
| | Houlton, ME | HLTNMECO01T | | Lebanon | | | LBNNPALE11T | SOCN | Flomaton, AL | FMTNALMT51T |
| | Exeter, NH | EXTRNHCE01T | Lewistown | LWTWPALE11T | | Opelika, AL | OPLKALMT51T | | | |
| | Norway, ME | NRWYMEFA01T | McDonald | MCDDPAMC11T | | Clarksdale, MS | CSDLMSMA01T | | | |
| | Presque Isle, ME | PRISMESE01T | Shamokin | SHMKPASH11T | | Corinth, MS | CRNTMSMA01T | | | |
| | Rockland, ME | RKLDMELI01T | Sunbury | SNBYPASU11T | | New Iberia, LA | NWIBLAMA01T | | | |
| | Waterville, ME | WTVLMEAP01T | Clearfield | CLFDPACL11T | | Maysville, KY | MYVLKYMA01T | | | |
| | Bellows Falls, VT | BLFLVTHE01T | Butler | BTLRPABT11T | | Pikeville, KY | PKVLKYMA01T | | | |
| | Bennington, VT | BGTNVTPL01T | Charleroi | CHRLPACH11T | Clarksville, TN | CLVLTNMA11T | | | | |
| | Brattleboro, VT | BRBOVTMA01T | Indiana | INDIPAIN11T | OHIO | Springfield | SPFDOH3250T | | | |
| | Burlington 1, VT | BURLVTMA01T | New Castle | NWCSPANC11T | | Xenia | XENIOH3750T | | | |
| | Middlebury, VT | MDLBVTCC01T | Bradford | BRFRPABR11T | | Barnesville | BRVIOH4250T | | | |
| | Montpelier, VT | MTPLVTSCO1T | C&P | Beckley, WV | | BCKLWVWD21T | New Lexington | NWLXOH3450T | | |
| | Morrisville, VT | MRVLVTUN01T | | Parkersburg, WV | | PRBGVWKT21T | Steubenville | SBVIOH2850T | | |
| | Rutland, VT | RTLDTVWE01T | | Morgantown, WV | | MGTWVWFY21T | Zanesville | ZNVLOH2750T | | |
| | St. Albans, VT | STALVTBA01T | | Martinsburg, WV | | MRBGWVBU21T | Hillsboro | HLBOOH3950T | | |
| | St. Johnsbury, VT | STBYVTSM01T | | Leonardtwn, MD | | LNTWMDLT01T | Fremont | FRMTOH3350T | | |
| | Narrangansett, RI | NRGNRIMA01T | | Newport News, VA | | NWWWVAHU01T | Upper Sandusky | UPSNOH2950T | | |
| | | | | Staunton, VA | | STTNVAST01T | Winchester | WNCHOH6950T | | |
| | | | | Christiansburg, VA | CRBGVACB01T | | | | | |
| | | | | Radford, VA | RDFRVARA01T | | | | | |

DISTANCE DIALING NETW

(INCLUDING REGIONAL ARE



STEP-BY-STEP CLASS 4 OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | CO. | LOCATION | CLLI |
|------|--------------------|--------------|-----------------|--------------------|------------------|----------------------|-----------------|-------------|
| MICH | Hillsdale | HLDLMIMN08T | NW | Algona, IA | ALGNATC01T | MTN | Glasgow, MT | GLSCMTMA22T |
| | Bad Axe | BDAXMIMN08T | | Iowa Falls, IA | IWFLIATC01T | | Glendive, MT | GLNDMTMA36T |
| | Bay City | BYCYMIMN08T | | Burlington, IA | BURLIATC01T | | Havre, MT | HAVRMTMA26T |
| | Cadillac | CDLCMIMN08T | | Sheldon, IA | SHLNIATC01T | | Shelby, MT | SHLBMTMA43T |
| | Holland | HLLDMIMN08T | | Dickinson, ND | DCSNNDBC01T | | Butte, MT | BUTTMTMA72T |
| | Big Rapids | BGRPMIMN08T | | Williston, ND | WLSTNDBC01T | | Missoula, MT | MSSLMTMA54T |
| | Reed City | RDCYMIMN02T | | Mobridge, SD | MBRGSDCO01T | | Sheridan, WY | SHRDWYMA67T |
| | Battle Creek | BTCKMIMN08T | | Sauk Centre, MN | SKCTMNSC01T | | Worland, WY | WRLDWYMA34T |
| | Benton Harbor | BNHRMIMN08T | | Pine City, MN | PNCYMNP01T | | Fort Morgan, CO | FTMRCOMA86T |
| IND | Anderson | ARNSIN0105T | SW | Montevideo, MN | MTVDMNMD01T | Craig, CO | CRAGCOMA82T | |
| | Attica | ATTICIN0105T | | Eldon, MO | ELDNMOEX09T | Glenwood Springs, CO | GLSPCOMA94T | |
| | Frankfort | FRFTIN0105T | | Kirksville, MO | KKVLMOMO09T | Alamosa, CO | ALMSCOMA58T | |
| | Marion | MARNIN0105T | | Cape Girardeau, MO | CPGRMOED09T | La Junta, CO | LJNTCOMA38T | |
| | Muncie | MUNCIN0105T | | Poplar Bluff, MO | PPBLMOSU09T | Lamar, CO | LAMRCOMA33T | |
| | Shelbyville | SHVLIN0105T | | El Dorado, AR | ELDOARMA09T | Deming, NM | DMNGNMMA54T | |
| | Clinton | CLTNIN0105T | | Hope, AR | HOPEARMA09T | Farmington, NM | FRTNNMMA32T | |
| | Columbus | CLMBIN0105T | | Newport, AR | NWPTARMA09T | Las Cruces, NM | LSCRNMMA52T | |
| WISC | Ashland | ASLDWIO111T | | Garden City, KS | GRCYKS0709T | Santa Fe, NM | SNFENMMA98T | |
| | Hudson | HDSNWIO111T | | Great Bend, KS | GRTBKSST09T | Clovis, NM | CLVSNMMA76T | |
| | Baraboo | BARBWIO111T | | Hutchinson, KS | HTSNKS0209T | Payette, ID | PYTTIDMA64T | |
| | Superior | SPRRWIO111T | | Liberal, KS | LBRLKS0409T | Cedar City, UT | CDCYUTMA58T | |
| | Marinette | MRNTWIO111T | | Manhattan, KS | MNHTKS0409T | Richfield, UT | RCFDUTMA89T | |
| | Rhineland | RHNLWIO111T | | Marysville, KS | MYVIKSEL09T | Flagstaff, AZ | FLGSAZMA77T | |
| | Madison(Term.only) | | | Colby, KS | CLBYKS0509T | Globe, AZ | GLOBAZMA42T | |
| | Sturgeon Bay | STBYWIO111T | | Hays, KS | HAYSKS1109T | Yuma, AZ | YUMAAZMA78T | |
| | Manitowoc | MNTWWIO111T | | Ponca City, OK | PNCYOPMA09T | PNB | Bremerton, WA | BMTNWA0101T |
| | Beaver Dam | BVDMWIO111T | | Hugo, OK | HUGOOKMA09T | | Centralia, WA | CENLWA0101T |
| NW | Little Falls, MN | LTFMLNLF01T | Woodward, OK | WDWRKMA09T | Pt. Angeles, WA | | PTANWA0101T | |
| | Ortonville, MN | ORVLMNOR01T | Pampa, TX | PMPTTXPP09T | Ephrata, WA | | EPHRWA0101T | |
| | Austin, MN | AUSTMNAU01T | Brenham, TX | BRHMTX0109T | Wenatchee, WA | | WNTCWA0101T | |
| | Preston, MN | PSTNMNPR01T | Cleveland, TX | CLEVTXCL09T | Albany, OR | | ALBYOR6301T | |
| | Luverne, MN | LVRNMNLU01T | Huntsville, TX | HNVTXHN09T | Lewiston, ID | | LSTNID0101T | |
| | Marshall, MN | MRSHMNMA01T | Nacogdoches, TX | NCGDTXNC09T | Newport, OR | | NWPTOR3501T | |
| | Hibbing, MN | HBNGMNH101T | Texas City, TX | TXCYTXTC09T | Vancouver, WA | | VANCWA0101T | |
| | Detroit Lakes, MN | DTLKMNDL01T | Silsbee, TX | SLSBTXSL09T | Klamath Fall, OR | | KLFLOR5401T | |
| | Fergus Falls, MN | FRFLMNF01T | Victoria, TX | VCTATX0109T | Roseburg, OR | RSBGOR5701T | | |
| | Ottumwa, IA | OTTMIATC01T | | | | | | |

STEP-BY-STEP CLASS 4 OFFICES IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | CO. | LOCATION | CLLI | |
|---------------|------------------|------------------|------------------------------------|---------------------|-----------------|-----|--------------------|-------------|--|
| PAC | Ely, NV | ELY-NV01B2T | NON- BELL | | | CAN | Port Hope, ON | PTHPON6101T | |
| | Winnemucca, NV | WNMCNV01B2T | | | | | Parry Sound, ON | PYSDON2601T | |
| | Marysville, CA | NYVICA0100T | CAN | Edson, AB | EDSOAB0101T | | Renfrew, ON | RENFON5401T | |
| | Portola, CA | PTOLCA0100T | | Abbotsford, BC | ABFDBC0101T | | Tillsonburg, ON | TLBGON4401T | |
| | Willows, CA | WLWSCA1100T | | Cranbrook, BC | CRBKBC0101T | | Woodstock, ON | WDSTON4501T | |
| | Dunsmuir, CA | DNSMCA1100T | | Dawson Creek, BC | DWCKBC0101T | | Welland, ON | WLLDON1601T | |
| | Yreka, CA | YREKCA1100T | | Nelson, BC | NLSNBC0101T | | Alma, PQ | ALMAPQ1401T | |
| | Auburn, CA | AUBNCA0100T | | New Westminster, BC | NWMRBC0101T | | Chibougamau, PQ | CBGMPQXT01T | |
| | Grass Valley, CA | GRVYCA0100T | | Terrace, BC | TRRCBC0201T | | La Tuque, PQ | LTUQPQXT01T | |
| | Woodland, CA | WDLDCA1100T | | Victoria #1, BC | VCTABC0101T | | Newcarlisle, PQ | NWCRPQXQ01T | |
| | Fairfield | | | Vernon, BC | VERNBCXA01T | | Sorel, PQ | SORLPQ6301T | |
| | - Suisun, CA | FRFDCA0100T | | Bathurst, NB | BTSTNBSC01T | | St. Jean, PQ | STJNPQ9301T | |
| | Fort Bragg, CA | FTBGCA0100T | | Campbellton, NB | CMTNNBSC01T | | Thetford Mines, PQ | THMNPQ3701T | |
| | Napa, CA | NAPACA0100T | | Edmundston, NB | EDMNBSC01T | | Victoriaville, PQ | VCVLPQ3901T | |
| | Petaluma, CA | PTLMCA0100T | | Fredericton, NB | FCTNNBK01T | | | | |
| | Ukiah, CA | UKIHCA0100T | | Goose Bay, NF | GSEANFO501T | | | | |
| | Vallejo, CA | VLLJCA0100T | | Stephenville | | | | | |
| | Lodi, CA | LODICA0100T | | Crossing, NT | SVLCNF0101T | | | | |
| | Sonora, CA | SNRACA1100T | | Halifax #2, NS | HLFXNS0102T | | | | |
| | Coalinga, CA | CLNGCA0110T | | Truro, NS | TRURNS0101T | | | | |
| | Hanford, CA | HNFRCA0110T | | Yarmouth, NS | YRMONS0101T | | | | |
| | Merced, CA | MRCDCA0100T | | Estevan, SK | ESTVSK0101T | | | | |
| | Visalia, CA | VISLCA1110T | | Melfort, SK | MLFTSK0101T | | | | |
| | Mojave | MOJVCA0110T | | Swift Current, SK | SWCRSK0L0LT | | | | |
| | Pomona | POMNCA0172T | | Weyburn, SK | WYBNSK0101T | | | | |
| | SNE | Ansonia Derby | | DRBYCT0001T | Yorkton, SK | | YKTNSK0101T | | |
| | | Bridgeport 1 | | BRPTCT0101T | Bracebridge, ON | | BCBRON1601T | | |
| | | Canaan | | CNANCT0001T | Beaverton, ON | | BVTNON0101T | | |
| | | Middletown | | MDTWCT0001T | Cochrane, ON | | CCHRONXC01T | | |
| | | New Britain | | NWBRCT0001T | Clinton, ON | | CLTNON0501T | | |
| | | New Milford | | NMFRCT0001T | Dryden, ON | | DRYDON4801T | | |
| Norwich | | NRWCCT001TT | | Fort Frances, ON | FTFRON1601T | | | | |
| Saybrook | | SYBKCT0001T | | Huntsville, ON | HNVISION1701T | | | | |
| Torrington | | TRTNCT0001T | Kenora, ON | KNRAONZA01T | | | | | |
| Willimantic | | WLMNCT0001T | Midland, ON | MDLDON1901T | | | | | |
| Windsor Locks | | WLKST0001T | Niagara Falls, ON | NGFLON0501T | | | | | |
| CINN | | Hamilton, OH | HMTNOHMO1T | New Liskeard, ON | NLKDONZ001T | | | | |
| | | Williamstown, KY | WLTWKYWT01T | Orillia, ON | ORLLON1101T | | | | |
| | | | Pembroke, ON | PMBRON5201T | | | | | |

Chart 10

| OTHER TOLL OFFICES IN SERVICE END OF 1977 | | | | |
|---|----------------------|-------|-------------|--------|
| CO | LOCATION | CLASS | CLLI | TYPE |
| NON - Bell CANADA | Lethbridge, AB | 4 | LTBRAB0102T | SP-1 |
| | Calgary #2, AB | 2 | CLGRAB2102T | SP-1 |
| | Edmonton 2, AB | 3 | EDTNAB0202T | SP-1 |
| | Medicine Hat, AB | 4 | MDHTAB0203T | #1 EAX |
| | Red Deer, AB | 4 | RDDRAB0102T | SP-1 |
| | Vegreville, AB | 4 | VGVLAB0102T | SP-1 |
| | Calgary 3, AB | 4 | CLGRAB2103T | SP-1 |
| | Edmonton 3, AB | 4 | EDTNAB0203T | SP-1 |
| | Brandon, MB | 3 | BRNDMB0202T | SP-1 |
| | Thompson, MB | 4 | THSNMB0102T | SP-1 |
| | Cornerbrook, NF | 2 | CRBKNF0202T | SP-1 |
| | Gander, NF | 4 | GNDRNFXA02T | SP-1 |
| | St. John's, NF | 3 | STJHNF0102T | SP-1 |
| | Kentville, NS | 4 | KTVLNS0202T | SP-1 |
| | Charlottetown, PE | 4 | CHTWPE0102T | SP-1 |
| | Moose Jaw, SK | 4 | MSJWSK0202T | SP-1 |
| | Prince Albert, SK | 4 | PRNASK0102T | #1 EAX |
| | Regina #2, SK | 1 | REGNSK0602T | SP-1 |
| | Saskatoon, SK | 3 | SKTNSK0103T | SP-1 |
| | North Battleford, SK | 4 | NBFRSK0202T | SP-1 |
| | Yorkton, SK | 4 | YKTNSK0102T | #1 EAX |
| | Hamilton 2, ON | 3 | HMTNON1402T | SP-1 |
| | London 2, ON | 3 | LONDON1402T | SP-1 |
| | Oshawa, ON | 4 | OSHWON9502T | SP-1 |
| | St. Catharine, ON | 4 | STCTON1002T | SP-1 |
| | Thunder Bay, ON | 3 | TDBAON3203T | SP-1 |
| | Timmins, ON | 4 | TMNSONX002T | SP-1 |
| | Toronto 4, ON | 4 | TOROON0104T | SP-1 |
| | Montreal 3, PQ | 3 | MTRLPQ5803T | SP-1 |
| | Quebec 2, PQ | 2 | QUBCPQ1402T | SP-1 |
| | Rimouski 2, PQ | 3 | RMKIPQXA02T | SP-1 |
| | St. Hyacinthe, PQ | 4 | STHYPQ6902T | SP-1 |

Chart 11

New Toll Offices Planned For Service 1978-1983

| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks | |
|----------|---------------------|--------------|-----------------|-----------------|-----------------------------------|---------------|--------------|
| NE | Burlington, VT | BURLVTMA03T | 1A-4/5 | 10/78 | | 4 Wire hi-lo | |
| | Concord, NH | CNCRNH50CGO | 1E-4/5 | 10/78 | | | |
| | White River Jct, VT | WRJTVTGA20T | 1A-3/5 | 5/79 | T | | |
| | Cambridge 18, MA | CMBRMA0118T | 4E-2 | 8/79 | T | | |
| | Rutland, VT | RTLDVTWE02T | 1E-4/5 | 5/80 | | | |
| | Springfield 3, MA | SPFDMABE02T | 4E-2 | 5/80 | T | | |
| | St. Johnsbury, VT | STBYVTSMO2T | 1E-4/5 | 5/81 | | | |
| | Augusta, ME | AGSTMESTCGO | 1E-4/5 | 1981 | | | |
| | Presque Isle, ME | PRISMESECGO | 1E-4/5 | 1981 | | | |
| | Manchester, NH | MNCHNHCO03T | 4E-3 | 5/82 | | | |
| | Lewiston, ME | LSTNMEASCGO | 1E-4/5 | 1982 | | | |
| | Portsmouth, NH | PTMONHISCGO | 1E-4/5 | 1982 | | | |
| | Bangor, ME | BNGRMEPACGO | 1A-4/5 | 1983 | T | | 4 wire hi-lo |
| | Waterville, ME | WTVLMEAPCGO | 1E-4/5 | 1983 | | | |
| NY | New York 24 | NYCMNYBW24T | 4E-3 | 4/78 | | International | |
| | Garden City 2 | GRCYNYG002T | 4E-4 | 3/79 | | 4 wire hi-lo | |
| | Poughkeepsie | PGHKNYSH05T | 1A-3 | 5/80 | | | |
| | White Plains 5 | WHPLNY0504T | 4E-1 | 8/80 | | | |
| | New York 5450 | NYCMNY5450T | 4E-3 | 1/81 | T | | |
| Albany 3 | ALBYNYSS05T | 4E-2 | 3/82 | T | | | |
| NJ | Freehold 2 | FRHDNJ0202T | 4E-4 | 5/78 | | | |
| | Camden 3 | CMDNNJCE03T | 4E-2 | 4/79 | T | | |
| | Newark 8 | NWRKNJ0208T | 4E-2 | 6/80 | T | | |
| | Rochelle Park 3 | RCPKNJ0203T | 4E-3 | 4/82 | T | | |
| | New Brunswick | NBWKNJNB04T | 4E-4 | 5/83 | | | |
| PA | Greensburg | GNBGPAGR81T | 1A-4 | 10/78 | | Add to local | |
| | New Castle | NWCSPANC81T | 1A-4 | 9/79 | | | |
| | DuBois | DUBSPADUCGO | 1E-4 | 1/80 | T | | |
| | Philadelphia 4 | PHLAPASL42T | 4E-3 | 5/80 | T | | |
| | Sharon | SHRNPASH81T | 1A-4 | 5/80 | | | |
| | Harrisburg | HRBGPAAHA42T | 4E-2 | 11/80 | T | | |
| | Altoona | ALNAPAALCGO | 1A-3 | 6/82 | T | | |
| C&P | Washington 6, DC | WASHDCSW06T | 4E-3 | 3/78 | T | | |
| | Morgantown, WV | MGTNWVWFY22T | 1E-4 | 7/78 | | | |
| | Parkersburg, WV | PRBGWVKT22T | 1E-4 | 10/78 | | | |
| | Richmond 2, VA | RCMDVAIT03T | 4E-4 | 4/79 | T | | |
| | Baltimore 10, MD | BLTMMDCH01T | 4E-3 | 9/80 | T | | |
| | Beckley, WV | BCKLWVWD22T | 1A-4 | 10/80 | | | |
| | Clarksburg, WV | CLBGWVMA24T | 1A-3 | 10/80 | | | |
| | Norfolk 4, VA | NRFLVABS08T | 4E-3 | 4/81 | T | | |
| | Wheeling, WV | WLNQWVCP26T | 1A-3 | 10/81 | | | |
| | Arlington 3, VA | ARTNVACK04T | 4E-3 | 4/82 | T | | |
| | Charleston 2, WV | CHTNWVLE25T | 4E-2 | 4/82 | T | | |

Chart 11

New Toll Offices Planned For Service 1978-1983

| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks |
|--------------|---------------------|-------------|-----------------|-----------------|-----------------------------------|--------------------|
| SO | Ojus 3, FL | OJUSFLTL03T | 4E-4 | 5/78 | T | |
| | Albany, GA | ALBYGAMA02T | 1A-3 | 12/78 | T | 4 wire hi-lo |
| | Gainesville, GA | GAVLGAMA02T | 1A-4 | 4/79 | T | |
| | Charleston, SC | CHTNSCDT04T | 1A-4 | 12/79 | T | 4 wire hi-lo |
| | Asheville, NC | AHVLNCOH03T | 1A-3 | 5/80 | | 4 wire hi-lo |
| | Charlotte 2, NC | CHRLNCCA03T | 4E-2 | 5/80 | T | |
| | W. Palm Beach 4, FL | WPBHFLAN04T | 4E-3 | 9/80 | T | |
| | Greensboro 3, NC | GNBONCEU03T | 4E-2 | 3/81 | T | |
| | Columbus, GA | CLMBGAMT43T | 1A-4 | 4/81 | T | 4w add to local 2w |
| | Orlando 3, FL | ORLDFLMA03T | 4E-2 | 8/81 | T | |
| | Florence, SC | FLRNSCMA02T | 1A-3 | 4/82 | T | 4 wire hi-lo |
| | Columbia 2, SC | CLMASCTL03T | 4E-2 | 11/81 | T | |
| | Greenville, SC | GNVLSCTL02T | 4E-3 | 10/82 | | |
| | Gainesville, FL | GSVFLMA04T | 1A-3 | 12/82 | | 4 wire hi-lo |
| | Lenoir, NC | | 1E-4 | 2/82 | | |
| | Statesville, NC | | 1E-4 | 12/82 | | |
| | Atlanta 5, GA | ATLNGANW05T | 4E-4 | 3/83 | T | |
| Waycross, GA | WYCRGAMA01T | 1A-4 | 5/83 | | | |
| SOCN | Nashville 2, TN | NSVLTNMT43T | 4E-2 | 1/78 | T | |
| | Montgomery, AL | MTGMALMT01T | 4E-3 | 4/78 | T | |
| | Lafayette, LA | LFYTLAMA03T | 1E-3 | 7/78 | | |
| | Frankfort, KY | FRFTKYMAB1T | 1A-4 | 12/78 | T | |
| | Paducah, KY | PDCHKYMAB1I | 1E-3 | 5/79 | T | 4 wire hi-lo |
| | Mobile, AL | MOBLALAZ01T | 4E-3 | 6/79 | T | |
| | Paintsville, KY | PNVLKYMAB1T | 1A-3 | 8/79 | T | 4 wire hi-lo |
| | Owensboro, KY | OWBOKYMAB1T | 1A-4 | 10/79 | T | 4 wire hi-lo |
| | Chattanooga, TN | CHTGTNNS73T | 4E-4 | 12/79 | T | |
| | Meridian, MS | MRDNMSTL06T | 1A-4 | 12/79 | | 4 wire hi-lo |
| | Gulfport, MS | GLPTMSTS06T | 1A-4 | 3/80 | | 4 wire hi-lo |
| | Monroe, LA | MONRLAMA03T | 1A-4C | 3/80 | | 4 wire hi-lo |
| | Winchester, KY | WNCHKYMAB1T | 1A-3 | 4/80 | 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 | MDVIKYMAB1T | 1A-3 | 11/80 | T | 4 wire hi-lo |
| | Knoxville 2, TN | KNVLTNMA71T | 4E-3 | 12/80 | T | |
| | Memphis, TN | MMPHTNMA43T | 4E-3 | 2/81 | T | |
| | Birmingham, AL | BRHMALMT01T | 4E-2 | 4/81 | T | |
| | Bowling Green, KY | BWLGKYMAB1T | 1A-4 | 4/81 | T | 4 wire hi-lo |
| | Greenwood, MS | GNWDMSMA06T | 1A-4 | 4/81 | | 4 wire hi-lo |
| | Huntsville, AL | HNVIALMT01T | 1A-4 | 4/81 | | |
| | Tuscaloosa, AL | TSCLALMT01T | 1A-4 | 6/81 | | |
| | Tupelo, MS | TUPLMSMA06T | 1A-4 | 7/81 | | 4 wire hi-lo |
| | Decatur, AL | DCTRALMT01T | 1A-4 | 10/81 | T | |
| | Selma, AL | SELMALMT01T | 1A-4 | 10/82 | | |
| | Gadsden, AL | GDSDALMT01T | 1A-4 | 3/83 | | |
| | Jasper, AL | JSPRALMT01T | 1A-4 | 6/83 | | |
| | Hattiesburg, MS | HTBGMSMA06T | 1A-4 | 1983 | | 4 wire hi-lo |

Chart 11

New Toll Offices Planned For Service 1978-1983

| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks |
|---------------|--------------------|-------------|-----------------|-----------------|-----------------------------------|-----------------|
| OH | Springfield | SPFDOH3250T | 1A-4 | 5/78 | | |
| | Cleveland 3 | CLEVOH0203T | 4E-2 | 12/79 | | |
| | Zanesville | ZNVLOH4550T | 1A-4 | 7/82 | | |
| MCH | Detroit 3 | DTRTMIBH50T | 4E-2 | 4/81 | T | |
| | Pontiac 3 | PNTCMN 50T | 4E-3 | 1983 | T | |
| IND | Muncie | MUNCINO102T | 1E-4P | 1/78 | | |
| | Columbus | CLMBINO102T | 1E-4P | 7/78 | | |
| | Indianapolis 2 | IPLSINO102T | 4E-2 | 10/80 | T | |
| WSC | Waukesha | WKSHWIO231T | 4E-2 | 3/79 | T | |
| | Hudson | | 1E-4 | 3/81 | | |
| ILL | Chicago 8 | CHCGILCG58T | 4E-3 | 7/78 | T | |
| | Rockford | RCFRILRT51T | 1E-3/4 | 11/78 | | 4 wire hi-lo |
| | Danville | DAVLILDA50T | 1A-4/5 | 12/79 | T | |
| | Centralia | CENLILCE50T | 1E-4/5 | 2/80 | T | |
| | Rock Island | RCISILRI51T | 1A-4/5 | 2/81 | T | 4w add to local |
| | Oak Brook 2 | OKBRILOA52T | 4E-4 | 3/81 | T | |
| | Quincy | QNCYILQY50T | 1A-4/5 | 5/81 | T | |
| | Springfield | SPFDILB 51T | 4E-2 | 3/82 | T | |
| | Northbrook 3 | NBRKILNT52T | 4E-4 | 4/82 | T | |
| NW | Omaha 2, NB | OMAHNBW14T | 4E-2 | 4/79 | T | |
| | Cedar Rapids, IA | CDRRIADT03T | 1A-4 | 8/79 | | 4 wire hi-lo |
| | Grand Island, NE | GDISNENW38T | 1A-4 | 10/79 | T | 4 wire hi-lo |
| | Minneapolis 3, MN | MPLSMNDT18T | 4E-2 | 5/80 | T | |
| | Iowa City, IA | IWCYIATC07T | 1A-4 | 12/80 | | |
| | Mason City, IA | MSCYIATC07T | 1A-3 | 2/81 | | 4 wire hi-lo |
| | Norfolk, NE | NRFLNENW37T | 1A-4 | 5/81 | T | 4 wire hi-lo |
| | Des Moines 2, IA | DESMIADT08T | 4E-2 | 10/81 | T | |
| | Aberdeen, SD | ABRSDCO05T | 1A-4 | 11/81 | T | 4 wire hi-lo |
| | Bismarck, ND | BSMRNDBC07T | 1E-3 | 7/82 | T | 4 wire hi-lo |
| | Marshall, MN | MRSHMNMA06T | 1E-4 | 1982 | | |
| SW | Austin, MN | AUSTMNAU06T | 1E-4 | 1983 | | |
| | Topeka, KS | TPKAKSJA03T | 1A-4 | 2/78 | T | 4 wire hi-lo |
| | Pine Bluff, AR | PNBLARJE01T | 1E-4 | 6/78 | T | 4 wire hi-lo |
| | Beaumont, TX | BUMTTXTECGO | 1A-4 | 8/78 | | 4 wire hi-lo |
| | Cape Girardeau, MO | CPGRMOED02T | 1E-4 | 8/78 | | 4 wire hi-lo |
| | Lubbock 1, TX | LBCKTXPS02T | 1A-3 | 8/78 | T | |
| | Jonesboro, AR | JNBOARMA01T | 1E-4 | 11/78 | T | 4 wire hi-lo |
| | Woodward, OK | WDWROKMA03T | 1E-4 | 11/78 | T | |
| | Fort Smith, AR | FTSMARSU02T | 1E-4 | 12/78 | T | 4 wire hi-lo |
| | Nacogdoches, TX | NCGDTXNCCGO | 1A-4 | 12/78 | | |
| | Ft. Worth 2, TX | FTWOTXED24T | 4E-2 | 2/79 | T | |
| Houston 4, TX | HSTNTXO144T | 4E-2 | 3/79 | T | | |

New Toll Offices Planned For Service 1978-1983

| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks |
|----------------|----------------------|-------------|-----------------|-----------------|-----------------------------------|--------------|
| SW | (cont'd) | | | | | |
| | Oklahoma Cty 2, OK | OKCYOKCE04T | 4E-2 | 5/79 | T | |
| | Hutchinson, KS | HTSNKS0202T | 1E-4 | 6/79 | T | 4 wire hi-lo |
| | Hays, KS | HAYSKS1102T | 1E-4 | 8/79 | T | 4 wire hi-lo |
| | Parsons, KS | PRSSKSWA01T | 1E-3 | 8/79 | T | 4 wire hi-lo |
| | Salina, KS | SLNAKSTA02T | 1A-3 | 11/79 | T | 4 wire hi-lo |
| | Huntsville, TX | HNVITXHNCGO | 1A-4 | 3/80 | | |
| | St. Louis 3, MO | STLSMO0934T | 4E-1 | 5/80 | T | |
| | Tulsa 2, OK | TULSOKTBO4T | 4E-3 | 6/80 | T | |
| | Garden City, KS | GRCYKS0701T | 1E-4 | 12/80 | T | 4 wire hi-lo |
| | Little Rock 2, AR | LTRKARFR15T | 4E-3 | 2/81 | T | |
| | Wichita 2, KS | WCHTKSBR24T | 4E-3 | 4/81 | T | |
| | Joplin, MO | JPLNMOMA11T | 1E-4 | 5/81 | T | 4 wire hi-lo |
| | Durant, OK | DRNTOKMA01T | 1E-4 | 7/81 | T | 4 wire hi-lo |
| | Enid, OK | ENIDOKMA01T | 1A-4 | 2/82 | T | 4 wire hi-lo |
| | Waco, TX | WACOTX0102T | 1A-3 | 3/82 | T | 4 wire hi-lo |
| | Austin TX | AUSTTXGR02T | 4E-3 | 4/82 | T | |
| | Abilene, TX | ABLNTXOR03T | 1A-3 | 10/82 | T | 4 wire hi-lo |
| | Springfield, MO | SPFDMO T | 4E-3 | 1982 | T | |
| | Corpus Christi 2, TX | CRCHXTU02T | 4E-3 | 4/83 | T | |
| Houston 5, TX | HSTNTX0154T | 4E-3 | 5/83 | T | | |
| Amarillo 3, TX | AMRLTX0202T | 4E-2 | 12/83 | T | | |
| MTN | Billings 2, MT | BLNGMTMA02T | 1E-2 | 5/78 | | 4 wire hi-lo |
| | Casper, WY | CSPRWYMA01T | 1E-4 | 5/78 | T | 4 wire hi-lo |
| | Denver 5, CO | DNVRCOZJ05T | 4E-1 | 11/79 | | |
| | Cheyenne 2, WY | CHYNWYMA02T | 1A-3 | 12/79 | | 4 wire hi-lo |
| | Pocatello, ID | PCTLIDMA01T | 1A-4 | 12/79 | | 4 wire hi-lo |
| | Cedar City 1, UT | CDCYUTMA01T | 1E-4 | 1/80 | | |
| | Grand Jct. 2, CO | GDJTCOMA02T | 1A-3 | 7/80 | | 4 wire hi-lo |
| | Phoenix 3, AZ | PHNXAZMA03T | 4E-3 | 9/80 | | |
| | El Paso, TX | ELPSTXMA02T | 1A-4 | 3/81 | T | 4 wire hi-lo |
| | Salt Lake Cty 2, UT | SLKCUTMA02T | 4E-2 | 4/82 | T | |
| | Missoula, MT | MSSLMTMA01T | 1E-3 | 5/82 | | 4 wire hi-lo |
| | Tucson 3, AZ | TCSNAZMA03T | 4E-4 | 11/83 | | |
| PNB | Portland 3, OR | PTLDOR6203T | 4E-3 | 4/79 | | |
| | Lewiston, ID. | | | | | |
| | Clarkston, WA | | 1A-4 | 11/79 | | |
| | Seattle 3, WA | STTLWA0604T | 4E-3 | 5/80 | T | |
| | Spokane 2, WA | SPKNWA0102T | 4E-3 | 2/83 | T | |

Chart 11

New Toll Offices Planned For Service 1978-1983

| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks |
|---------------|---------------------|-------------|-----------------|-----------------|-----------------------------------|--------------|
| PAC | San Diego 3 | SNDGCA0787T | 4E-3 | 4/78 | T | |
| | Sacramento 4 | SCRMCA0404T | 4E-2 | 10/78 | T | |
| | Los Angeles 4 | LSANCA0470T | 4E-2 | 2/80 | | |
| | San Fransisco 3 | SNFCCA2143T | 4E-3 | 5/80 | T | |
| | Anaheim 3 | ANHMCA0211T | 4E-3 | 3/81 | T | |
| | Salinas | SLNSCA0114T | 1A-3 | 3/81 | | 4 wire hi-lo |
| | Bakersfield | BKFDCA0140T | 1A-3 | 5/81 | | 4 wire hi-lo |
| | Modesto | MDSTCA0243T | 1A-3 | 5/81 | | 4 wire hi-lo |
| | San Luis Obispo | SNLOCA0106T | 1A-3 | 5/81 | | 4 wire hi-lo |
| | Oakland 6 | OKLDCA0344T | 4E-2 | 8/81 | T | |
| | Gardena 3 | GRDNCA0386T | 4E-4 | 2/82 | | |
| | San Jose 2 | SNJSCA0241T | 4E-2 | 4/82 | T | |
| | SNE | Meriden | MRDNCT0003T | 1E-3 | 6/79 | |
| Stamford | | SMFRCT0102T | 1A-4 | 7/79 | | |
| Bridgeport | | BRPTCT0105T | 1A-4 | 12/79 | | |
| Hartford | | HRFRCT0305T | 1A-4 | 12/79 | T | |
| Norwalk | | NRWLCT0202T | 1E-4 | 12/79 | T | |
| Willimantic | | WLMNCT0002T | 1A-4 | 11/80 | | |
| Ansonia-Derby | | DRBYCT0002T | 1A-4 | 12/80 | | |
| Waterbury | | WTRBCT0003T | 1A-4 | 2/81 | | |
| New Haven 5 | | NWHNCT0205T | 4E-2 | 10/81 | T | |
| Bridgeport 5 | | BRPTCT0404T | 4E-3 | 2/82 | | |
| Norwich | NRWCCT0002T | 1A-4 | 3/82 | | | |
| Hartford 4 | HRFRCT0306T | 4E-3 | 4/83 | T | | |
| CINN | Cincinnati 2 | CNCNOHWS14T | 4E-2 | 6/79 | T | |
| NON- BELL | ## | | | | | |
| | Rice Lake, WI | RCLKWIXB31T | 3EAX-4 | 2/78 | | |
| | Harrisonburg, VA | HRBGVAXA02T | 1EAX-4 | 3/78 | | |
| | Kingfisher 1, OK | KGFSOKXA | SP1-4 | 5/78 | | |
| | York, PA | YORKPAXP49T | EST4-4 | 6/78 | | |
| | Richmond, IN | RCMDINXB03T | 3EAX-4 | 8/78 | | |
| | Fort Myers, FL | FTMYFLXA03T | ETS4-4 | 9/78 | | |
| | Lima, OH | LIMAOHXA51T | ETS4-4 | 10/78 | | |
| | Ontario, CA | ONTRCAXP91T | ETS4-3 | 11/78 | | |
| | Lincoln, NE | LNCLNEXL12T | 3EAX-3 | 12/78 | | |
| | Highpoint, NC | HGPNNCXA02T | 1EAX-4 | 1978 | | |
| | Honolulu 4, HI | HNLLHIMNO4T | 4E-3 | 2/79 | | |
| | Sulphur 1, OK | SLPHOKXA | -4 | 2/79 | | |
| | Wagner 1, OK | WRNROK | -4 | 2/79 | | |
| | Everett, WA | EVRTWAXA02T | 3EAX-4 | 3/79 | | |
| | N. Johnson City, TN | JHCYTNXC41T | ETS4-4 | 3/79 | | |
| | Portage, IN | PRTGINXH03T | 3EAX-4 | 3/79 | | |
| | Beaverton, OR | BVTNORXB02T | 3EAX-4 | 4/79 | | |
| | Warsaw, VA | WRSWVAXA02T | 3EAX-4 | 4/79 | | |

New Toll Offices Planned For Service 1978-1983

| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks |
|----------|-------------------|-------------|-----------------|-----------------|-----------------------------------|---------|
| Non-Bell | (Cont'd) | | | | | |
| | Marion, IL | MARNILXE05T | 3EAX-3 | 6/79 | | |
| | Bluefield, WV | BLFDWVXA12T | 3EAX-4 | 7/79 | | |
| | Boscobel, WI | BOSCWIXA31T | 3EAX-4 | 10/79 | | |
| | Muskegon, MI | MSKGMIXK12T | ETS4-4 | 10/79 | | |
| | Martinsville, VA | MTVIVAXA02T | PCM-4 | 12/79 | | |
| | Wausau, WI | WAUSWIXA31T | 3EAX-4 | 12/79 | | |
| | Ft. Wayne, IN | FTWYINXA03T | 3EAX-4 | 1/80 | | |
| | Terre Haute, IN | TRRHINXA03T | 3EAX-4 | 2/80 | | |
| | Coeur D'Alene, ID | CRALIDXX T | 3EAX-4 | 4/80 | | |
| | Dixon, IL | DIXNILXA50T | 1E-4 | 4/80 | | |
| | Warren, OH | WRRNOHXA51T | -4 | 5/80 | | |
| | Wooster, OH | WSTROHXA01T | -4 | 5/80 | | |
| | Kennewick, WA | KNWCWAXA02T | 3EAX-4 | 6/80 | | |
| | Three Rivers, MI | THRRMIXG09T | 3EAX-4 | 10/80 | | |
| | Olney, IL | OLNYILXE50T | 3EAX-3 | 12/80 | | |
| | Franklin, VA | FKLVVAXA02T | PCM-4 | 1990 | | |
| | Meadville, PA | MDVLPAXM81T | PCM-4 | 1980 | | |
| | Rockymount, VA | RCMTVAXA02T | PCM-4 | 1980 | | |
| | Durham, NC | DRHMNCXT02T | 3EAX-4 | 6/81 | | |
| | Tampa 4, FL | TAMPFLXA04T | 4E-3 | 6/81 | | |
| | Morehead, KY | MRHDKYXA02T | 1EAX-4 | 11/81 | | |
| | Norwalk, OH | NRWLOHXA51T | 3EAX-4 | 1981 | | |
| | Ontario, CA | ONTRCAXP94T | -3 | 5/82 | | |
| | Elizabethtown, KY | EZTWKY | 3EAX-4 | 11/82 | | |
| | Clearwater, FL | CLWRFLXA03T | 3EAX-4 | 1982 | | |
| | Erie, PA | ERIEPAXM81T | 3EAX-4 | 1982 | | |
| | Lexington, VA | LXTNVAXA02T | PCM-4 | 1982 | | |
| | Oxnard, CA | OXNRCAXP42T | 3EAX-3 | 1982 | | |
| | Rochester, NY | ROCKNYXA05T | 4E-4 | 1982 | | |
| | Smithfield, VA | SMFDVAX02T | PCM-4 | 1982 | | |
| | Johnstown, PA | JHTWPAXJ81T | PCM-4 | 1983 | | |
| | Oil City, PA | OLCYPAX081T | PCM-4 | 1983 | | |
| CANADA | | | | | | |
| | Kamloops, BC | KMLPBC0102T | 1EAX-4 | 6/78 | | |
| | Kelowna, BC | KLWNBCXB02T | 1EAX-4 | 8/78 | | |
| | Amherst, NS | AMHRNS0102T | SP1-4 | 11/78 | | |
| | Abbotsford, BC | ABFDBC0102T | 1EAX-4 | 1/79 | | |
| | Ottawa 3, ON | OTWAON2303T | DIG-4 | 2/79 | C | |
| | Victoria, BC | VCTABC0102T | 1EAX-4 | 3/79 | | |
| | St. John 2, NB | STJHNBSU02T | SP1-2 | 4/79 | | |
| | Montreal 6, PQ | MTRLPQ0106T | DIG-2 | 1979 | | |
| | Kitchener 2, ON | KTNRON06027 | DIG-3 | 3/80 | C | |
| | Toronto 7, ON | TOROON6307T | DMS-4 | 3/80 | C | |
| | Kingston 2, ON | KGTNON0802T | DIG-4 | 1980 | | |

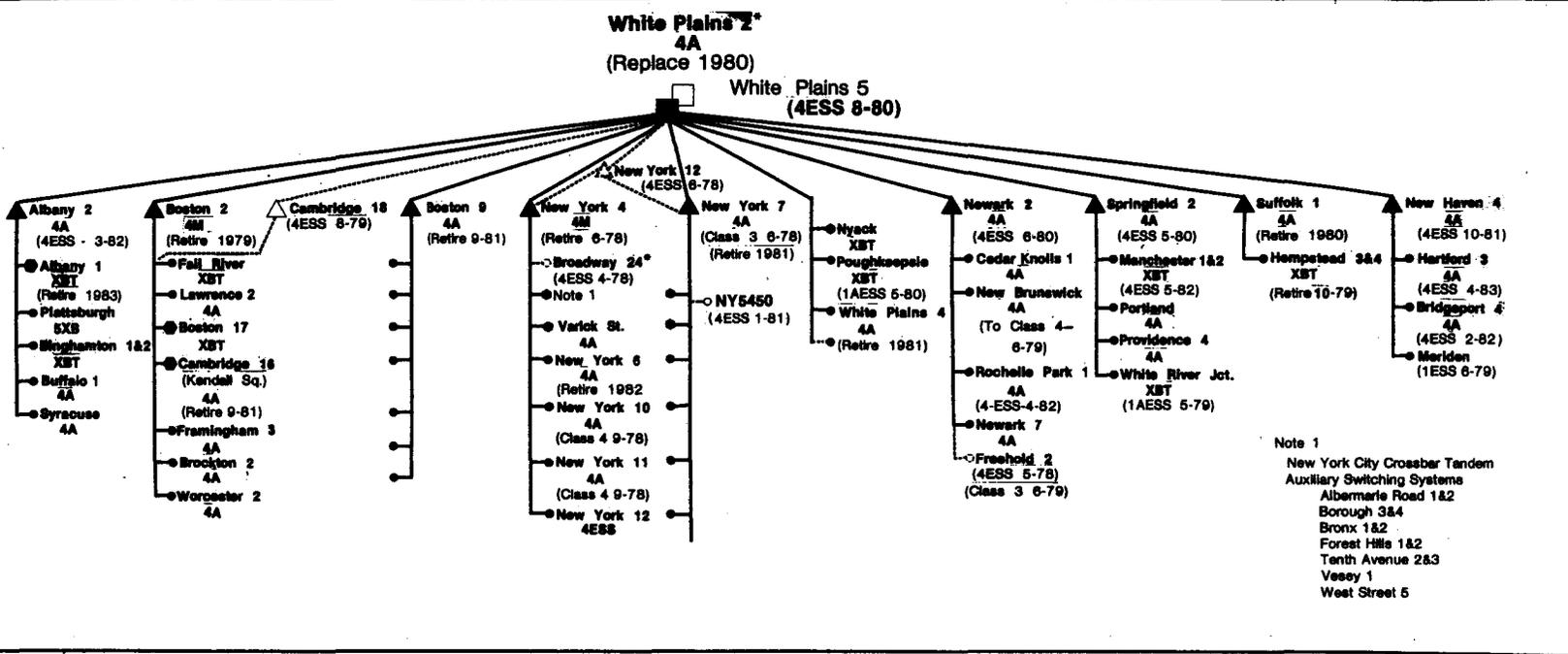
Chart 11

New Toll Offices Planned For Service 1978-1983

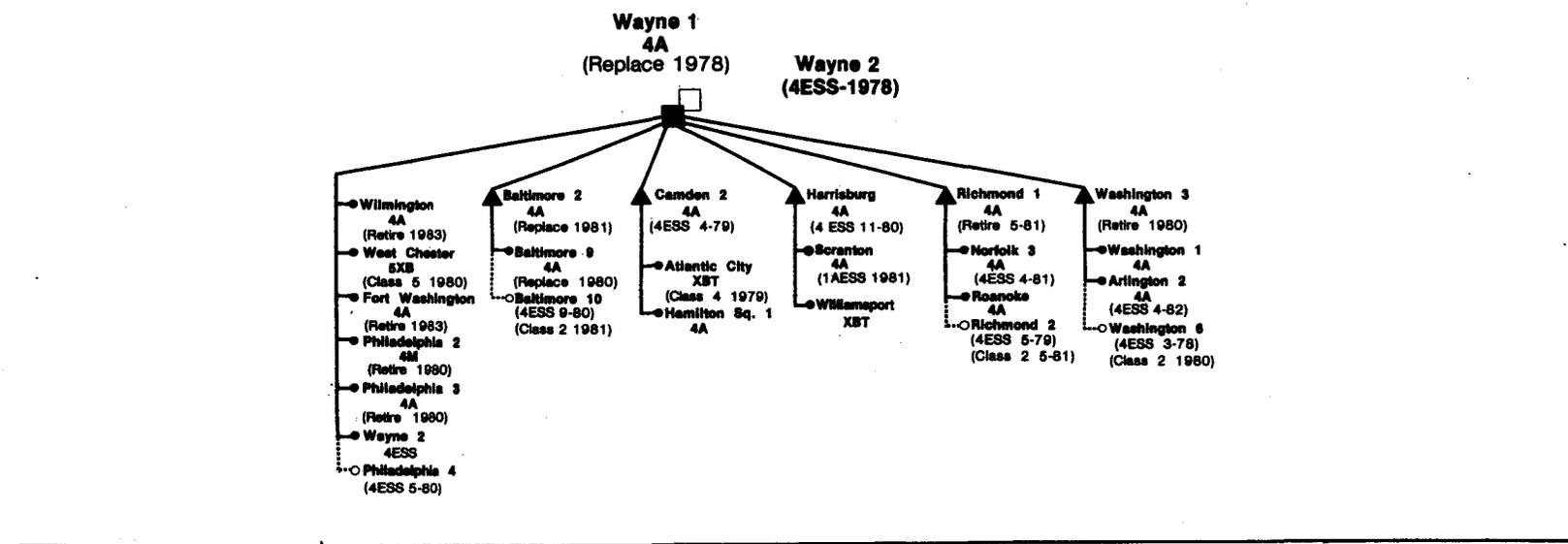
| Co. | Location | CLLI | Type - Class | Service Date | C = CAMA T = TSPS T/R = RTA | Remarks |
|-----------------|----------------------|---------------|-----------------|-----------------|-----------------------------------|---------|
| CANADA (Cont'd) | | | | | | |
| | Moncton, NB | MCTNNBSA02T | DIG-4 | 5/81 | | |
| | Calgary 4, AB | CLGRAB2104T | DIG- | 1981 | | |
| | Camrose, AB | | DIG- | 1981 | | |
| | Halifax 3, NS | HLFXNS0103T | DIG- | 1981 | | |
| | London, ON | | DIG- | 1981 | | |
| | Nanaimo, BC | NNIMBC0102T | DIG-4 | 1981 | | |
| | New Westminister, BC | BCNWMRBC0102T | DIG-4 | 1981 | | |
| | Quebec 3, PQ | | DIG- | 1981 | | |
| | Regina, SK | REGNSK0603T | DMS-3 | 1981 | | |
| | Sherbrooke, PQ | | DIG- | 1981 | | |
| | Swift Current, SK | SWCRSK0102T | DIG- | 1981 | | |
| | Victoria, BC | VCTABC0103T | DIG-4 | 1981 | | |
| | Edmonton 4, AB | EDTNAB0204T | DIG- | 1982 | | |
| | Kelowna, BC | | DIG- | 1982 | | |
| | Melfork, SK | MLFTSK0102T | DIG-4 | 1982 | | |
| | Saskatoon, SK | | DIG | 1982 | | |
| | Sydney, NS | | DIG- | 1982 | | |
| | Toronto 8, ON | TOROON6308T | DIG-4 | 1982 | | |
| | Vancouver, BC | | DIG-3 | 1982 | | |
| | Winnipeg, MB | WNPGB0102T | DIG-2 | 1982 | | |
| | Bathurst, NB | | DIG- | 1983 | | |
| | Cranbrook, BC | CRBKBC0102T | DIG-4 | 1983 | | |
| | Edson, AB | | DIG- | 1983 | | |
| | Grand Prairie, AB | | DIG- | 1983 | | |
| | Prince George, BC | | DIG-3 | 1983 | | |
| | Sudbury 2, ON | | DIG-3 | 1983 | | |
| | Truro, NS | | DIG- | 1983 | | |

BASED ON LL SWITCHING SYSTEM FORECAST (M953-SEPT. 1978 VIEW) & TCTS INPUTS

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1983)
 (Based On August 1978 Construction Budget View)



Note 1
 New York City Crossbar Tandem
 Auxiliary Switching Systems
 Albermarle Road 1&2
 Borough 3&4
 Bronx 1&2
 Forest Hills 1&2
 Tenth Avenue 2&3
 Vesey 1
 West Street 5

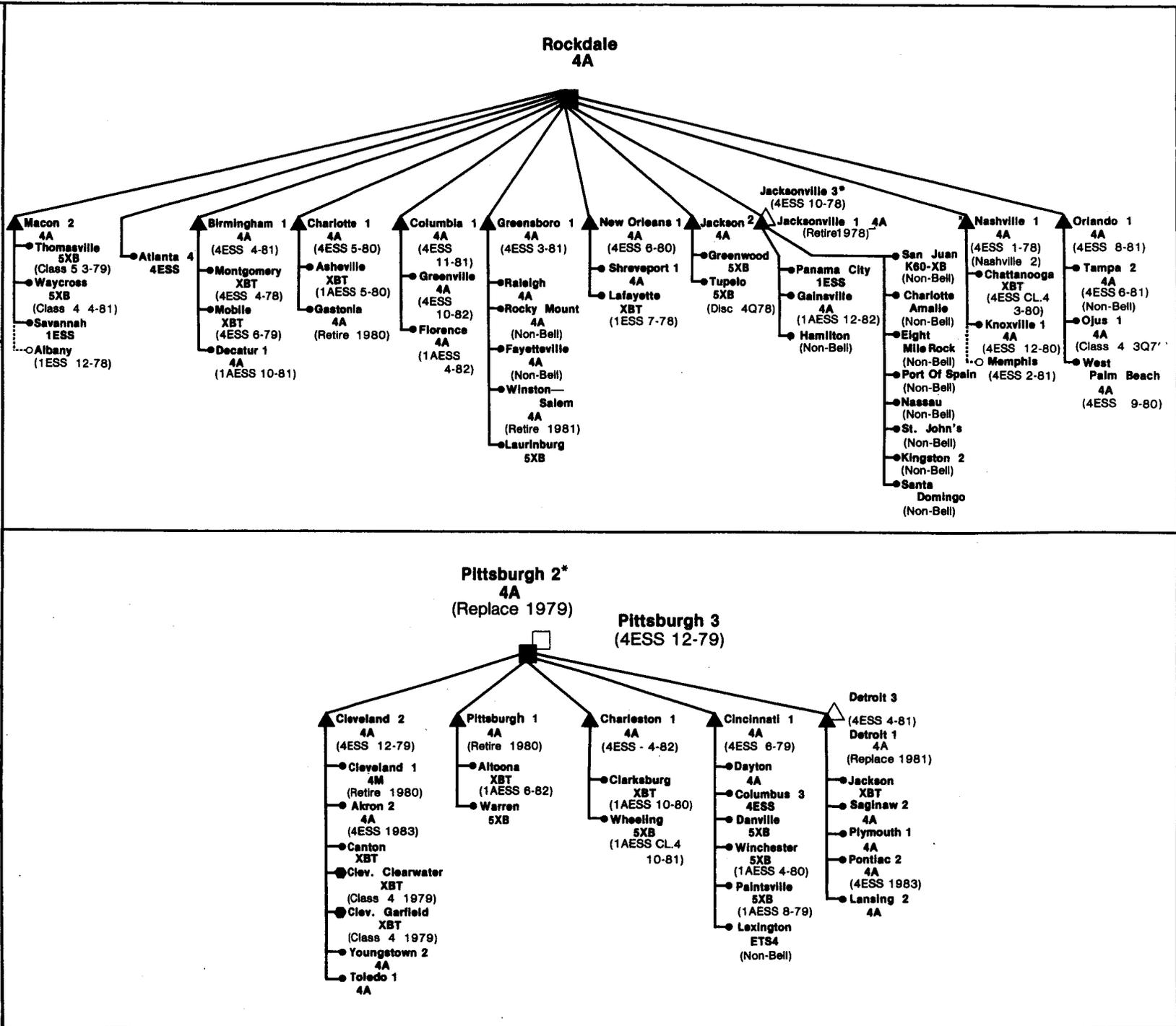


SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR CSF'S OF THE CLASSES SHOWN FOR DISTANCE DIALING, THEREFORE, THE ROUTING, SWITCHING, TRANSMISSION ARRANGEMENTS AND SEQUENCE OF INTERCEPTING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

EXISTING CP FUTURE
 REGIONAL CENTER (CLASS 1)
 SECTIONAL " (" 2)
 PRIMARY " (" 3)
 Auxiliary Switching System
 PLANNED DATE IS SHOWN IN ()
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12/31/77
 PLANNED BY END OF 1983
 FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
(Present & Future Arrangements Through 1983)
(Based On August 1978 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 ()

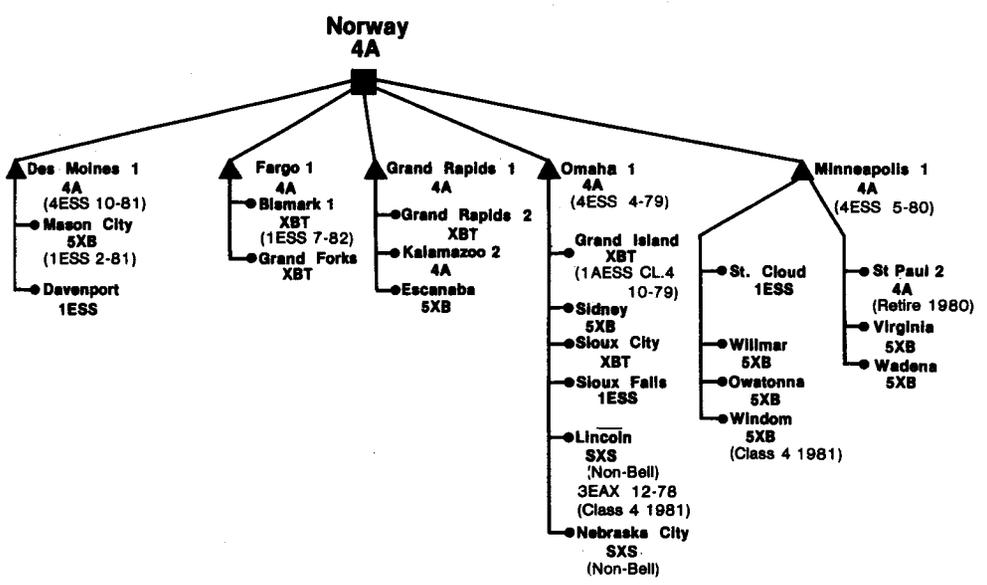
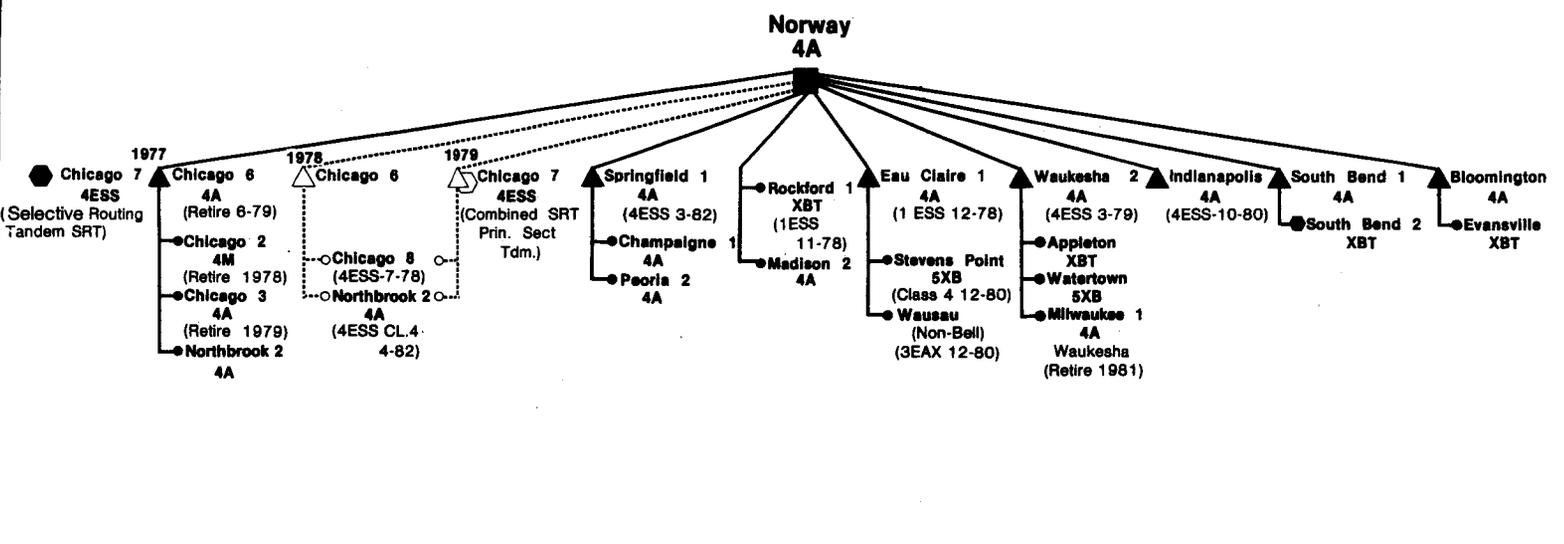
* INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-77

PLANNED BY END OF 1983

FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1983)
 (Based On August 1978 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 REGIONAL CENTER (CLASS 1) SECTIONAL " " " 2) PRIMARY " " " 3) Auxiliary Switching System

PLANNED DATE IS SHOWN IN ()

* INTERNATIONAL SWITCHING CENTER

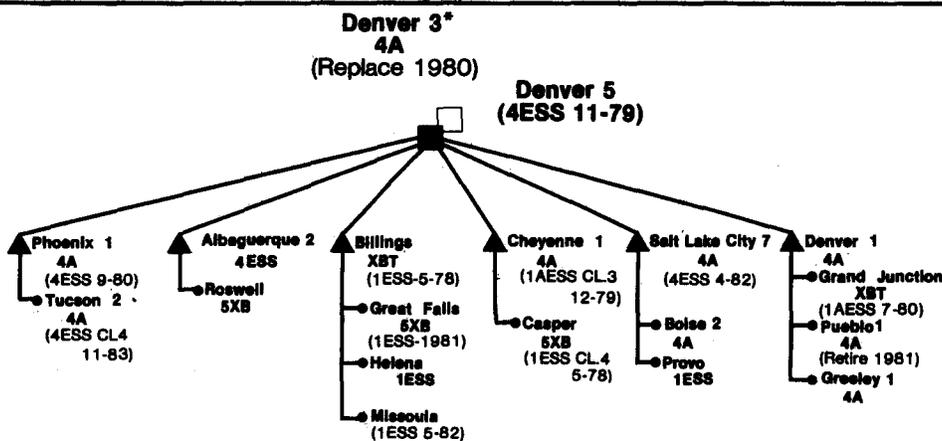
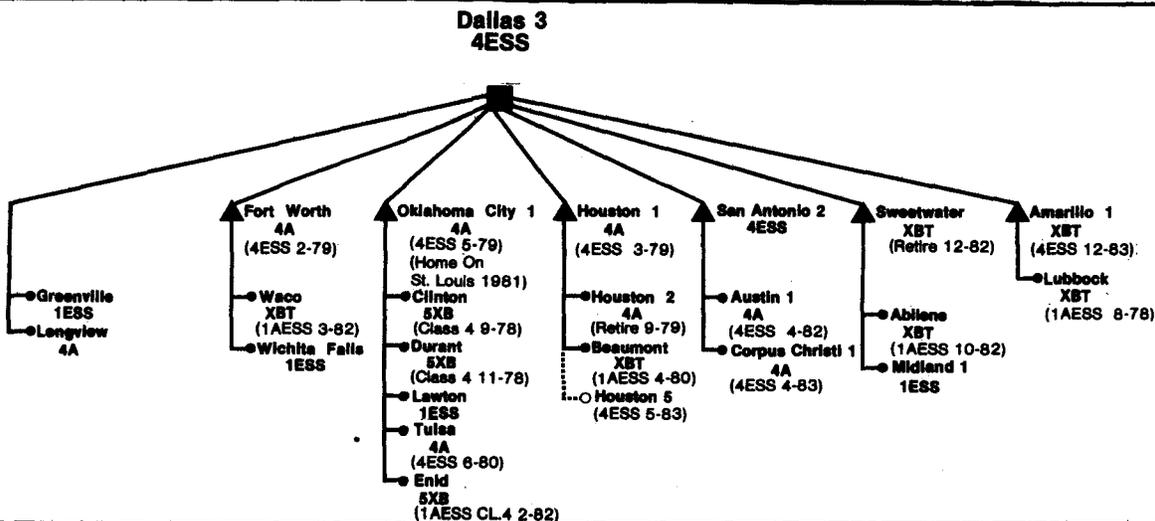
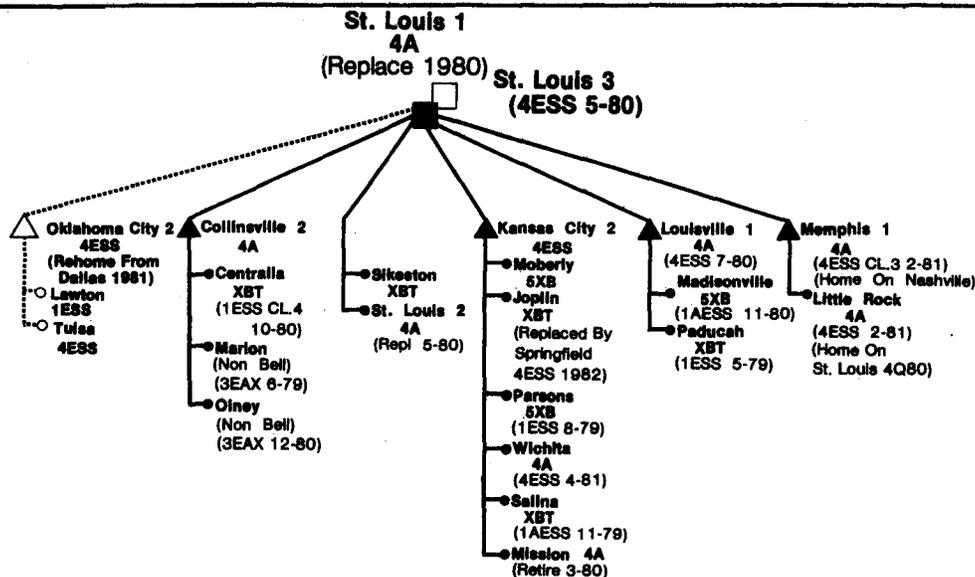
IN SERVICE 12/31/77 _____

PLANNED BY END OF 1983 - - - - -

FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
(Present & Future Arrangements Through 1983)

(Based On August 1978 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) ○

PLANNED DATE IS SHOWN IN ()

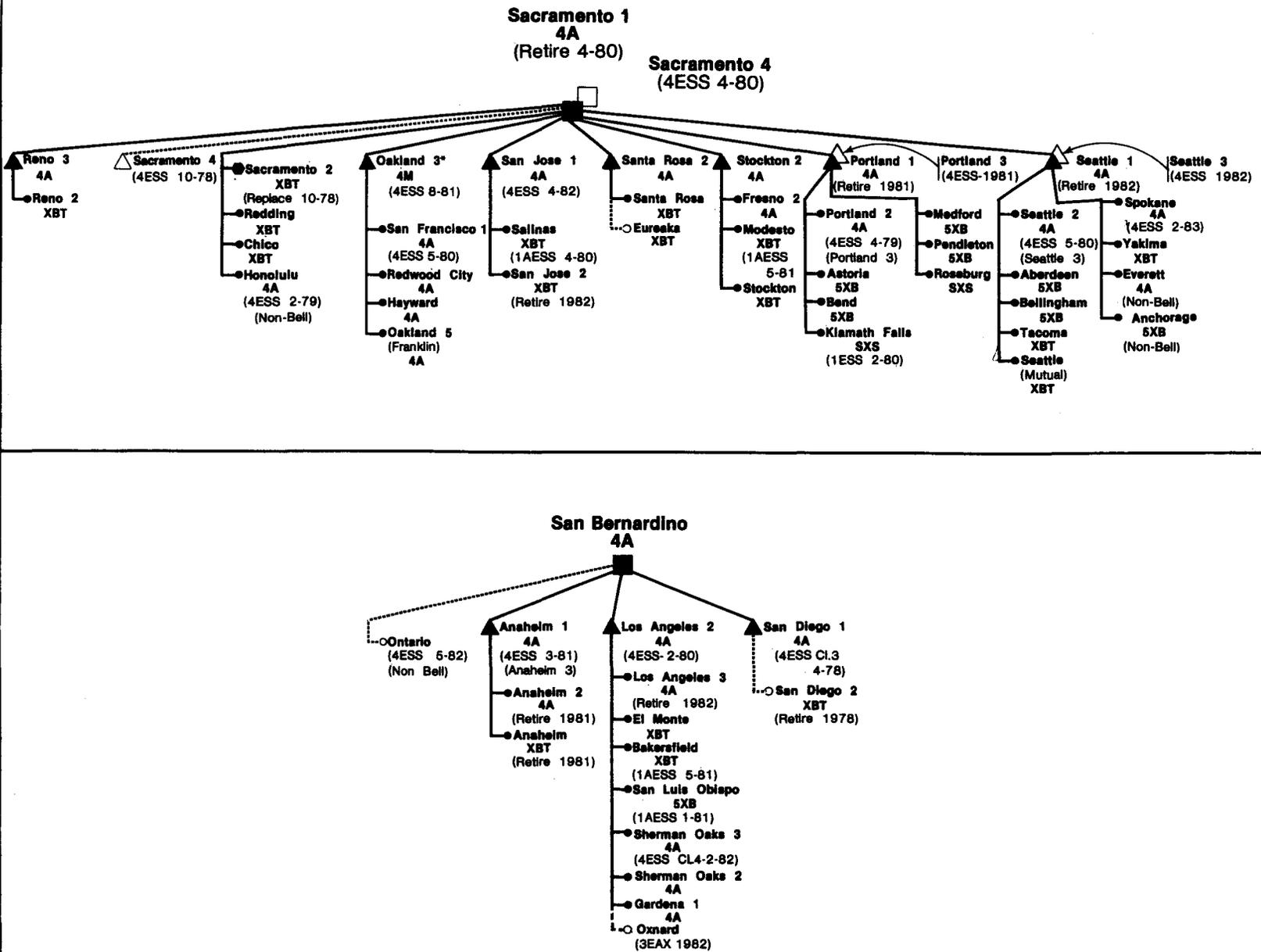
* INTERNATIONAL SWITCHING CENTER

FINAL GROUP

IN SERVICE 12-31-77 _____

PLANNED BY END OF 1983 - - - - -

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1983)
 (Based On August 1978 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 INTERCENTRING FACILITIES SHOULD BE INVESTIGATED BEFORE DISTANCE DIALING IS AUTHORIZED TO GO THROUGH ANY SYSTEM.

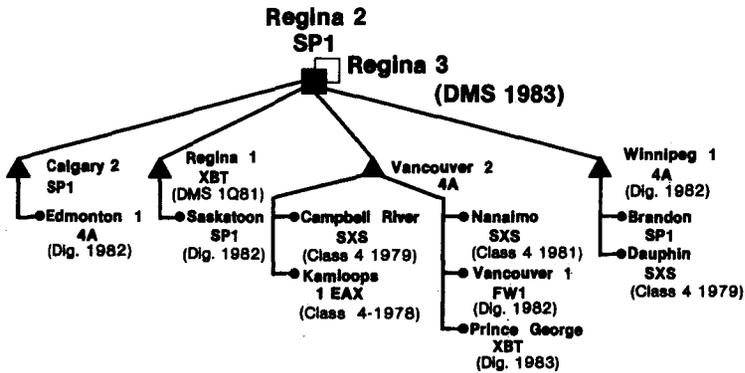
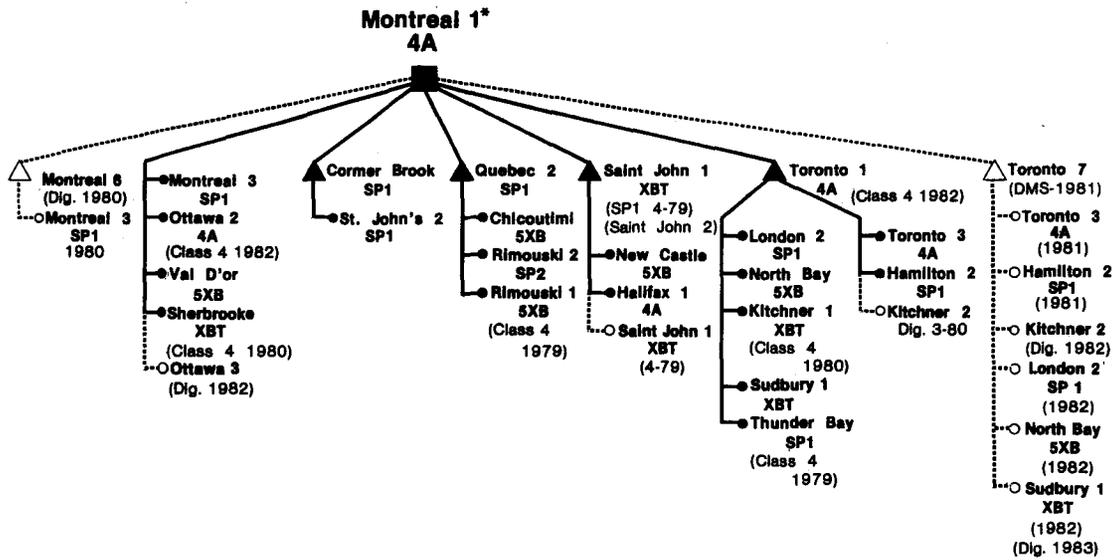
EXISTING CSP FUTURE

REGIONAL CENTER (CLASS 1) SECTIONAL " (" 2) PRIMARY " (" 3) Auxiliary Switching System PLANNED DATE IS SHOWN IN () * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-77
 PLANNED BY END OF 1983
 FINAL GROUP

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS
 (Present & Future Arrangements Through 1983)

(Based On August 1978 Construction Budget View)



SOME OF THE LOCATIONS HAVE NOT MET ALL OF THE REQUIREMENTS FOR CSP'S OF THE CLASSER 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) ○
 * INTERNATIONAL SWITCHING CENTER

IN SERVICE 12-31-77 _____ FINAL GROUP
 PLANNED BY END OF 1983 - - - - -

Chart 13

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
IMPLEMENTATION SCHEDULE 1978-1981
(STP = SIGNAL TRANSFER POINT)

| REGION | LOCATION | TYPE/ CLASS | SERVICE DATE | REMARKS |
|----------------|----------------------|----------------|-----------------|---------|
| White Plains | Buffalo 1, NY | 4A | 2/78 | |
| | Cedar Knolls 1, NJ | 4A | 4/78 | |
| | New York BW24, NY | 4ESS | 4/78 | |
| | Freehold 2, NJ | 4ESS | 5/78 | |
| | Bridgeport 4, CT | 4A | 7/78 | |
| | Brockton 2, MA | 4A | 11/78 | |
| | Garden City 2T, NY | 4ESS | 3/79 | |
| | Worcester 2, MA | 4A | 4/79 | |
| | Framingham 3, MA | 4A | 4/79 | |
| | Portland 2, ME | 4A | 6/79 | |
| | Cambridge 18, MA | 4ESS | 8/79 | |
| | Burlington, VT | 1AESS | 3/80 | |
| | White River Jct., VT | 1AESS | 3/80 | |
| | Poughkeepsie, NY | 1AESS | 4/80 | |
| | Springfield 3, MA | 4ESS | 5/80 | |
| | Newark 8, NJ | 4ESS | 6/80 | |
| | Lawrence 2, MA | 4A | 7/80 | |
| | White Plains 5, NY | 4ESS | 8/80 | |
| | Meriden, CT | 1ESS | 10/80 | |
| | Norwalk, CT | 1ESS | 10/80 | |
| | New York 5450, NY | 4ESS | 1/81 | |
| Waterbury, CT | 1AESS | 2/81 | | |
| New Haven, CT | 4ESS | 10/81 | | |
| Hartford, CT | 1AESS | /81 | | |
| Wayne | Washington 6, DC | 4ESS | 3/78 | |
| | Wilmington, DE | 4A | 6/78 | |
| | Roanoke, VA | 4A | 11/78 | |
| | Camden 3, NJ | 4ESS | 4/79 | |
| | Richmond 2, VA | 4ESS | 4/79 | |
| | Philadelphia 4, PA | 4ESS | 5/80 | |
| | Baltimore 10, MD | 4ESS | 9/80 | |
| | Harrisburg 2, PA | 4ESS | 11/80 | |
| | Lynchburg, VA | 1AESS | 1/81 | |
| | Norfolk 4, VA | 4ESS | 4/81 | |
| | Hazleton, PA | 1ESS | 5/81 | |
| Scranton, PA | 1ESS | 5/81 | | |
| Pittsburgh | Dayton, OH | 4A | 6/78 | |
| | Pontiac 2, MI | 4A | 10/78 | |
| | Akron 2, OH | 4A | 4/79 | |
| | Cincinnati 2, OH | 4ESS | 6/79 | |
| | Lansing 2, MI | 4A | 8/79 | |
| | Cleveland 3, OH | 4ESS | 12/79 | |
| | Youngstown 2, OH | 4A | 3/80 | |
| | Saginaw 2, MI | 4A | 5/80 | |
| | Clarksburg, WV | 1AESS | 4/81 | |
| | Detroit 3, MI | 4ESS | 4/81 | |
| | Wheeling, WV | 1AESS | 9/81 | |
| Port Huron, MI | 1ESS | /81 | | |

Chart 13

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
 IMPLEMENTATION SCHEDULE 1978-1981
 (STP = SIGNAL TRANSFER POINT)

| REGION | LOCATION | TYPE/ CLASS | SERVICE DATE | REMARKS |
|------------------|-----------------------|----------------|-----------------|---------------------|
| Rockdale | Nashville 2, TN | 4ESS | 1/78 | INIT. INSTALLATION |
| | Macon 2, GA | 4A | 3/78 | |
| | Montgomery, AL | 4ESS | 4/78 | |
| | Ojus 3, FL | 4ESS | 5/78 | |
| | Greensboro 1, NC | 4A | 5/78 | |
| | Lafayette, LA | 1ESS | 7/78 | |
| | Pensacola, FL | 4A | 9/78 | |
| | Raleigh, NC | 4A | 1/79 | |
| | Baton Rouge 1, LA | 4A | 2/79 | |
| | Mobile, AL | 4ESS | 6/79 | |
| | Charleston, SC | 1AESS | 12/79 | |
| | Chattanooga, TN | 4ESS | 12/79 | |
| | Rome, GA | 1ESS | 1/80 | |
| | Monroe, LA | 1ESS | 3/80 | |
| | Daytona Beach, FL | 1ESS | 4/80 | |
| | Paducah, KY | 1ESS | 4/80 | |
| | Panama City, FL | 1ESS | 4/80 | |
| | Savannah, GA | 1ESS | 4/80 | |
| | Asheville, NC | 1ESS | 5/80 | |
| | Charlotte 2, NC | 4ESS | 5/80 | |
| | Winchester, KY | 1ESS | 5/80 | |
| | Albany, GA | 1AESS | 6/80 | |
| | New Orleans 3, LA | 4ESS | 6/80 | |
| | Athens, GA | 1ESS | 8/80 | |
| | West Palm Beach 4, FL | 4ESS | 9/80 | |
| | Owensboro, KY | 1ESS | 10/80 | |
| | Paintsville, KY | 1ESS | 10/80 | |
| | Madisonville, KY | 1ESS | 11/80 | |
| | Knoxville 2, TN | 4ESS | 12/80 | |
| | Greensboro 3, NC | 4ESS | 3/81 | |
| | Columbus, GA | 1AESS | 4/81 | |
| | Gainesville, GA | 1AESS | 4/81 | |
| | Birmingham, AL | 4ESS | 4/81 | |
| | Greenwood, MS | 1ESS | 4/81 | |
| Augusta, GA | 1ESS | 5/81 | | |
| Tampa 4, FL (NB) | 4ESS | 6/81 | | |
| Orlando 3, FL | 4ESS | 8/81 | | |
| Columbia 2, SC | 4ESS | 11/81 | | |
| Wilmington, NC | 1ESS | /81 | | |
| Norway | South Bend 1, IN | 4A | 6/78 | INIT. 1ESS RETROFIT |
| | Chicago 8, IL | 4ESS | 7/78 | |
| | Champaign 1, IL | 4A | 11/78 | |
| | Peoria 2, IL | 4A | 11/78 | |
| | Rockford, IL | 1ESS | 11/78 | |
| | Davenport, IA | 1ESS | 11/78 | |
| | Fargo 1, ND | 4A | 1/79 | |
| | Eau Claire, WI | 1ESS | 3/79 | |
| | Waukesha 3, WI | 4ESS | 3/79 | |
| | Des Moines, IA | 4A | 4/79 | |

Chart 13

COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
IMPLEMENTATION SCHEDULE 1978-1981
(STP = SIGNAL TRANSFER POINT)

| REGION | LOCATION | TYPE/ CLASS | SERVICE DATE | REMARKS |
|--------------------|----------------------|----------------|-----------------|---------|
| Norway (Cont'd) | Omaha 1, NB | 4ESS | 4/79 | |
| | Cedar Rapids, IA | 1ESS | 8/79 | |
| | Kalamazoo 2, MI | 4A | 9/79 | |
| | Grand Island, NB | 1ESS | 10/79 | |
| | Bloomington 1, IN | 4A | 11/79 | |
| | Gary, IN | 1ESS | /79 | |
| | New Albany, IN | 1ESS | /79 | |
| | Minneapolis 3, MN | 4ESS | 5/80 | |
| | Sioux Falls, SD | 1ESS | 5/80 | |
| | Indianapolis 2, IN | 4ESS | 10/80 | |
| | Joliet, IL | 1ESS | 12/80 | |
| | Mason City, IA | 1AESS | 2/81 | |
| | Oak Brook 2, IL | 4ESS | 3/81 | |
| | Quincy, IL | 1ESS | 5/81 | |
| | Aberdeen, SD | 1AESS | 6/81 | |
| | Des Moines 2, IA | 4ESS | 10/81 | |
| | Waterloo, IA | 1ESS | 12/81 | |
| | Gary, IN | 1ESS | /81 | |
| | Muncie, IN | 1ESS | /81 | |
| | St. Cloud, MN | 1ESS | /81 | |
| St. Louis | Collinsville 2, IL | 4A | 4/78 | |
| | St. Louis 3, MO | 4ESS | 5/80 | |
| | Louisville 2, KY | 4ESS | 7/80 | |
| | Ft. Smith, AR | 1ESS | 9/80 | |
| | Jonesboro, AR | 1ESS | 10/80 | |
| | Pine Bluff, AR | 1ESS | 10/80 | |
| | Topeka, KS | 1ESS | 10/80 | |
| | Fayetteville, AR | 1ESS | 12/80 | |
| | Ft. Smith, AR | 1ESS | 2/81 | |
| | Little Rock 2, AR | 4ESS | 2/81 | |
| | Memphis, TN | 4ESS | 2/81 | |
| | Salina, KS | 1ESS | 4/81 | |
| | Wichita 2, KS | 4ESS | 4/81 | |
| | Springfield, MO | 4ESS | 1982 | |
| Dallas | Ft. Worth 2, TX | 4ESS | 2/79 | |
| | Austin 1, TX | 4A | 3/79 | |
| | Corpus Christi 1, TX | 4A | 3/79 | |
| | Houston 4, TX | 4ESS | 3/79 | |
| | Oklahoma City 2, OK | 4ESS | 5/79 | |
| | Huntsville | 1AESS | 3/80 | |
| | Tulsa 2, OK | 4ESS | 6/80 | |
| | Beaumont, TX | 1AESS | 8/80 | |
| | Wichita Falls, TX | 1ESS | 9/80 | |
| | Longview, TX | 1AESS | 4/81 | |
| | EL Paso, TX | 1AESS | 3/81 | |
| | Enid, OK | 1AESS | 8/81 | |
| Lawton, OK | 1AESS | /81 | | |

Chart 13

**COMMON CHANNEL INTEROFFICE SIGNALING (CCIS)
IMPLEMENTATION SCHEDULE 1978-1981
(STP - SIGNAL TRANSFER POINT)**

| REGION | LOCATION | TYPE/ CLASS | SERVICE DATE | REMARKS |
|---------------------------|------------------------|----------------|-----------------|--------------------|
| Denver | Tuscon 2, AZ | 4A | 5/78 | INIT. H/L RETROFIT |
| | Boise 2, ID | 4A | 6/78 | |
| | Salt Lake City 1, UT | 4A | 8/78 | |
| | Casper, WY | 1ESS | 9/78 | |
| | Denver 5, CO | 4ESS | 11/79 | |
| | Cheyenne 2, WY | 1AESS | 12/79 | |
| | Pocatello, ID | 1AESS | 12/79 | |
| | Cedar City 1, UT | 1ESS | 1/80 | |
| | Billings 2, MT | 1ESS | 4/80 | |
| | 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 | |
| Great Falls, MT | 1ESS | 1981 | | |
| Sacramento | Seattle 1, WA | 4A | 7/78 | |
| | Sacramento 4, CA | 4ESS | 10/78 | |
| | Fresno 2, CA | 4A | 2/79 | |
| | Honolulu 4, HI (NB) | 4ESS | 2/79 | |
| | Hayward, CA | 4A | 3/79 | |
| | Reno 3, NV | 4A | 4/79 | |
| | Portland 3, OR | 4ESS | 4/79 | |
| | Stockton 2, CA | 4A | 5/79 | |
| | Santa Rosa 2, CA | 4A | 6/79 | |
| | San Francisco 3, CA | 4ESS | 5/80 | |
| | Seattle 3, WA | 4ESS | 5/80 | |
| | Salinas, CA | 1ESS | 3/81 | |
| | Modesto, CA | 1ESS | 5/81 | |
| Oakland 6, CA | 4ESS | 8/81 | | |
| San Bernardino | Los Angeles 3, CA | 4A | 1/78 | |
| | Sherman Oaks 2, CA | 4A | 1/78 | |
| | San Diego 3, CA | 4ESS | 4/78 | |
| | Los Angeles 4, CA | 4ESS | 2/80 | |
| | San Luis Obispo, CA | 1AESS | 1/81 | |
| | Anaheim 3, CA | 4ESS | 3/81 | |
| | Bakersfield, CA | 1ESS | 5/81 | |
| (NB) - indicates Non-Bell | | | | |

Source - September 1978 Schedule of Cutovers & Conversions (SOCC)

Chart 14

| NUMBERING PLAN AREA PRINCIPAL CITIES | | | | | |
|--------------------------------------|---------------|------------------------|-----------|--|-------------------------|
| END OF 1977 | | | | | |
| 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 | Corner Brook |
| 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 1 |
| 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 |
| 316 | Kansas | *Kansas City 2 | 802 | Vermont | White River Jct. |
| 317 | Indiana | Indianapolis | 803 | South Carolina | Columbia |
| 318 | Louisiana | *Jackson, Mississippi | 804 | Virginia | *Richmond |
| 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 | | | |
| 502 | Kentucky | Louisville | 903 | Mexico | *San Bernardino, Calif. |
| 503 | Oregon | Portland 1 | 904 | Florida | *Jacksonville |
| 504 | Louisiana | New Orleans 1 | 905 | Mexico | Mexico City |
| 505 | New Mexico | Albuquerque | 906 | Michigan | *Grand Rapids 1 |
| 506 | New Brunswick | St. John | 907 | Alaska | *Seattle 1, Washington |
| 507 | Minnesota | *Minneapolis | 912 | Georgia | Macon |
| 509 | Washington | Spokane | 913 | Kansas | *Kansas City 2 |
| 512 | Texas | San Antonio 2 | 914 | New York | White Plains 2 |
| 513 | Ohio | *Cincinnati | 915 | Texas | Sweetwater |
| 514 | Quebec | *Montreal 1 | 916 | California | Sacramento 1 |
| 515 | Iowa | *Des Moines | 918 | Oklahoma | Tulsa |
| 516 | New York | Suffolk | 919 | North Carolina | Greensboro |
| 517 | Michigan | *Detroit 1 | | | |
| 518 | New York | Albany 2 | | | |
| 519 | Ontario | *Toronto 1 | | | |

*Principal City for more than one NPA.

Chart 15

TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN SERVICE-END OF 1977

| CO. | LOCATION | CLLI | SERVICE DATE | CO. | LOCATION | CLLI | SERVICE DATE | |
|-----------------------|-----------------------|--------------------|-------------------|--------------------|--------------------------|------------------|-----------------|-------------|
| NE | Framingham, MA | FRMNMAUN1EB | 6/70 | IND | Bloomington | BLTNIN011EB | 8/70 | |
| | Boston (Franklin St.) | BSTNMAFR1EB | 4/72 | | South Bend | SBNDIN991EB | 12/73 | |
| | Lawrence, MA | LWRNMACA1EB | 8/75 | | Indianapolis | IPLSIN011EB | 11/76 | |
| | NY | Brockton, MA | BRTNMACO1EB | 4/76 | WISC | Waukesha | WKSHWIO21UD | 11/73 |
| | | Providence, RI | PRVDRIGR1EB | 8/76 | | Madison | MDSNWIO21UD | 5/76 |
| | | Portland, ME | PTLDMEFO1UD | 4/77 | ILL | Chicago (Canal) | CHCGILCL1UD | 10/71 |
| | | Worcester, MA | WRCSMAMA1EB | 7/77 | | Chicago (Wabash) | CHCGILWB2UD | 12/73 |
| Albany (State) | | ALBYNYSS1UD | 1/71 | Oak Brook | | OKBRIL0A3UD | 8/74 | |
| Dix Hills (Suffolk 1) | | HNTNYSU01T | 5/71 | Northbrook | | NBRKILNT4UD | 10/75 | |
| Varick St. (NYC1) | | NYCMNYVS1UD | 11/72 | Peoria | | PEORILPJ41J | 11/77 | |
| 811 Tenth Ave. (NYC2) | NYCMNY5405T | 10/73 | NW | Sioux Falls, SD | SKFLSDCO1EB | 11/71 | | |
| White Plains 4 | WHPLNYWPO3T | 1/74 | | Minneapolis, MN | MPLSMNDT1UD | 3/72 | | |
| Syracuse | SYRCNYSU04T | 5/76 | | St. Paul, MN | STPLMNMK1UD | 6/72 | | |
| NJ | Morristown | MRTWNJCE1UD | | 1/69 | Omaha, NB | OMAAANNW1EB | 3/75 | |
| | Rochelle Park 1 | RCPKNJRO2UD | | 6/70 | Des Moines, IA | DESMIADT1EB | 10/77 | |
| | New Brunswick | NBNKNJNB1UD | 6/71 | SW | Houston 1 (Jefferson) TX | HSTNTX011UD | 2/70 | |
| Camden | CMDNNJCE1UD | 4/72 | Dallas 1, TX | | DLSTXTL1UD | 4/70 | | |
| Newark | NWRKNJO21UD | 10/74 | Fort Worth 1, TX | | FTWOTXEDB1T | 1/71 | | |
| Hamilton Sq. | HMSQNJHS01T | 4/75 | San Antonio 1, TX | | SNANTXCA1UD | 5/71 | | |
| PA | Philadelphia | PHLAPAMK1UD | 10/70 | | St. Louis, MO | STLSMOO91CB | 8/71 | |
| | Wilmington, DE | WLMGDEWL1UD | 10/71 | | Kansas City, MO | KSCYMOO91UD | 9/71 | |
| | Pittsburgh | PITBPADG1UD | 12/71 | | Oklahoma City, OK | OKLAOKCE1UD | 9/71 | |
| | Fort Washington | FTWSPAFW1UD | 7/74 | | Dallas 2, TX | DLSTXTL3UD | 11/71 | |
| C&P | Harrisburg | HRBGPAHA1UD | 12/75 | | Houston 2 (Jefferson) TX | HSTNTX012UD | 12/72 | |
| | Altoona | ALNAPAAL1UD | 11/77 | | Longview, TX | LGVWXTL1UD | 4/73 | |
| | Washington, D. C. | WASHDCDT1UD | 3/69 | Tulsa, OK | TULSOKTB1UD | 12/73 | | |
| | Norfolk-Bute, VA | NRFVLVBS1UD | 9/72 | Little Rock, AR | LTRKARFR1UD | 5/74 | | |
| SO | Richmond (Grace St.) | RCMDVAGR1UD | 9/73 | Wichita Falls, TX | WCFLTXNI1UD | 10/74 | | |
| | Baltimore, MD | BLTMDCH1EB | 3/74 | Austin, TX | AUSTTXGR1UD | 10/74 | | |
| | Arlington, VA | ARTNVACK1UD | 1/75 | Corpus Christi, TX | CRCHTXTU1UD | 10/75 | | |
| | MTN | Miami 2, FL | MIAMFLTL1UD | 9/69 | Wichita, KS | WCHTKSBR1UD | 4/77 | |
| | | Jacksonville, FL | JCVLFLCL1UD | 12/70 | Midland, TX | MDLDTXMU1UD | 9/77 | |
| | | Charlestown, SC | CHTNSCDT1UD | 4/71 | PNB | Portland, OR | PTLDOR621UD | 7/71 |
| | | Rockdale, GA | RCDLGATL1UD | 4/71 | | Seattle 1, WA | STTLWASPIUD | 9/71 |
| | | Raleigh, NC | RLGHNCMO1UD | 8/71 | | PAC | San Francisco 1 | SNFCCA011UD |
| | | Charlotte, NC | CHRLNCCA1UD | 11/71 | Redwood City | | RDCYCA021UD | 3/72 |
| | | Ft. Lauderdale, FL | FTLDFLMA1UD | 11/71 | Los Angeles 3 | | LSANCA031UD | 4/72 |
| | | Orlando, FL | ORLDFLMA1UD | 8/72 | Anaheim 1 | | ANHMCA010UD | 6/72 |
| | | Atlanta NW, GA | ATLNGANW1UD | 4/73 | Oakland-Franklin 3 | | OKLDCA031UD | 7/72 |
| | | Pensacola, FL | PNSCFBLB1UD | 5/73 | San Diego | | SNDGCA021UD | 6/73 |
| | Ojus 1, FL | OJUSFLTL1UD | 5/73 | Sherman Oaks 2 | SHORCA029UD | | 7/73 | |
| | Greensboro, NC | GNBONCEU1UD | 1/74 | Sherman Oaks 3 | SHORCA038UD | 10/74 | | |
| | Atlanta 51 IVY, GA | ATLNGATL1UD | 5/74 | Reno 2, NV | RENONVO21UD | 3/75 | | |
| | Ojus 2, FL | OJUSFLTL2UD | 8/74 | SNE | Bridgeport | BRPTCT021EB | 1/71 | |
| | Columbia, SC | CLMASCTL1UD | 9/74 | | Norwalk | NRWLCT021EB | 6/71 | |
| | West Palm Beach, FL | WPBHFLAN1UD | 9/75 | | New Haven #2 | NWHNCT021EB | 7/72 | |
| | Columbus, GA | CLMBGAMT1UD | 12/75 | | Hartford #3 | HRFRCT031EB | 9/74 | |
| Macon, GA | MACNGAMT1UD | 12/75 | CINN | | Cincinnati | CNCNOHWS1EB | 11/70 | |
| Savannah, GA | SVNHGABS1UD | 2/76 | | Non-Bell CANADA | Vancouver, B.C. | VANBCB011EB | 11/74 | |
| Daytona Beach, FL | DYBHFLMA1UD | 10/76 | | | Brandon, MB* | BRNDMB0202T | 10/75 | |
| SOCN | Memphis, TN | MMPHTNMA1EB | 5/70 | | Edmonton, AB* | EDTNAB0202T | 03/77 | |
| | New Orleans, LA | NWORLAMA1UD | 10/70 | | Saskatoon, SK* | SKTNSK0103T | 04/77 | |
| | Nashville, TN | NSVLTNMT1EB | 4/71 | | Red Deer, AB* | RDDRAB0102T | 07/77 | |
| | Chattanooga, TN | CHTGTNMA1EB | 4/72 | | Montreal 4, PQ* | MTRLPQ5804T | 12/77 | |
| | Jackson, MS | JCSNMSPS1UB | 5/72 | | MICH | Plymouth | PLMOMIFA1UD | 7/71 |
| Birmingham, AL | BRHMALMT1UB | 6/72 | Pontiac | PNTCMIMN1UD | | 3/75 | | |
| Louisville, KY | LSVLKYCS1EB | 4/73 | Detroit | DTRTMIBH1UD | | 3/76 | | |
| Knoxville, TN | KNVLTNMA1EB | 5/74 | Grand Rapids | GDRPMIBL1UD | | 5/77 | | |
| OHIO | Shreveport, LA | SHPTLATL1UD | 11/75 | Saginaw | SGNWMIFA1UD | 5/77 | | |
| | Baton Rouge, LA | BTRGLAMA1UD | 4/77 | | | | | |
| | Cleveland | CLEVOH62AC6 | 3/71 | | | | | |
| | Columbus | CLMBOH1AC3 | 6/71 | | | | | |
| | Dayton | DYTNOH22AC1 | 2/72 | | | | | |

*Traffic Operator
Position System

Chart 16

NEW TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN-SERVICE - 1978-1983 (BASED ON AUGUST 1978 CONSTRUCTION BUDGET VIEW)

| CO. | LOCATION | CLLI | GENERIC | SHIP DATE | SERVICE DATE |
|------|--------------------------------|-------------|---------|-----------|--------------|
| NE | White River Jct., VT | WRJCVTGAVIT | 8 | 7/78 | 5/79 |
| NY | New York - East (Williamsburg) | NYCKNYWM--- | 8 | 9/78 | 9/79 |
| | New York - West (Broadway) | NYCMNYBW--- | 9 | 9/80 | 9/81 |
| | Mid-Nassau (Hempstead) | | 8 | 2/78 | 3/79 |
| | Buffalo | | 9 | 5/79 | 5/80 |
| C&P | Charleston, WV | CHTNWVLEA00 | 9 | 3/80 | 2/81 |
| SO | Greenville, SC | GNVLSCTLIEB | 7 | 2/77 | 1/78 |
| SOCN | Montgomery, AL | MTGMALMT--- | 8 | 12/76 | 4/78 |
| | Winchester, KY | WNCHKYMAIEB | 8 | 4/79 | 4/80 |
| ILL | Collinsville | | 8 | 12/77 | 11/78 |
| NW | Fargo, ND | FARGNDBCIEB | 8 | 4/79 | 3/80 |
| SWB | Houston 3, TX | | 7 | 2/77 | 1/78 |
| | Springfield, MO | | 7 | 4/77 | 5/78 |
| | Topeka, KS | | 7 | 7/77 | 7/78 |
| | St. Louis 2, MO | | 7 | 9/77 | 9/78 |
| | Oklahoma City 2, OK | | 8 | 1/78 | 11/78 |
| | Little Rock 2, AR | | 10 | 8/80 | 3/81 |
| | San Antonio, TX | | | | 6/81 |
| | Salina, KS | | 10 | 2/81 | 3/82 |
| MTN | Tucson, AZ | | | 8/78 | 7/79 |
| | Billings, MT | | 8 | 6/79 | 3/80 |
| | Cheyenne, WY | | 8 | 3/80 | 2/81 |
| PAC | Anaheim 3 | ANHMCA012UD | 7 | | 4/78 |
| | Gardena 4 | GRDNCA024UD | 7 | 5/77 | 4/78 |
| | Los Angeles 5 | LSANCA015UD | 8 | 8/78 | 4/79 |
| | Sacramento | SCRMCA011UD | 7 | 4/78 | 4/79 |
| | San Jose | SNJSCA021UD | 8 | 6/78 | 4/79 |
| | San Diego 4 | SNDGCA023UD | 8 | 3/79 | 1/80 |
| | Gardena 6 | GRDNCA026UD | 8 | 5/79 | 4/80 |
| | Oakland | OKLDCA032UD | 9 | 5/79 | 4/80 |
| | San Francisco | SNFCCA211UD | 10 | 5/80 | 3/81 |
| | Sacramento | SCRMCA012UD | 9 | 3/80 | 4/81 |
| | Santa Rosa | SNRSCA021UD | 9 | 3/80 | 4/81 |
| | Fresno | FRSNCA011UD | 9 | 5/80 | 6/81 |
| | Anaheim 5 | ANHMCA014UD | 10 | 7/81 | 4/82 |
| | San Jose | SNJSCA022UD | 10 | 5/81 | 4/82 |

Chart 16

NEW TRAFFIC SERVICE POSITIONS SYSTEM NO. 1 IN-SERVICE - 1978-1983
(BASED ON AUGUST 1978 CONSTRUCTION BUDGET VIEW)

| CO. | LOCATION | CLLI | GENERIC | SHIP DATE | SERVICE DATE |
|----------|-----------------------------------|--------------|---------|-----------|--------------|
| Non-Bell | | | | | |
| CANADA | Toronto, ON* | TOROON6 305T | | | 2/78 |
| | Toronto, ON* | TOROON6 306T | | | 2/78 |
| | Lethbridge, AB* | LTBRAB0202T | | | 4/78 |
| | Winnipeg, MB* | | | | 4/78 |
| | Calgary, AB* | | | | 6/78 |
| | New Westminster, BC | NWMRBC0101T | | | 9/78 |
| | Thompson, MB* | THSNMB0102T | | | 10/78 |
| | Medicine Hat, AB* | | | | 1/79 |
| | Vegreville, AB* | | | | 4/79 |
| | Cornerbrook, NF* | | | | 1979 |
| | Hamilton, ON* | | | | 1979 |
| | Montreal, PQ* | | | | 1979 |
| | Quebec, PQ* | | | | 1979 |
| | Thompson, ON* | | | | 1979 |
| | Thunder Bay, ON* | | | | 1979 |
| | Kingston, ON* | | | | 1980 |
| | Ottawa, ON* | | | | 1981 |
| | Regina, SK* | | | | 1981 |
| | Saskatoon, SK* | | | | 1981 |
| | Kitchener, ON* | | | | 1982 |
| | London, ON* | | | | 1982 |
| | St. John's, NF* | | | | 1982 |
| | *Traffic Operator Position System | | | | |

DISTANCE DIALING COORDINATORS AS OF APRIL 1, 1978

| CO. | AREA | LOCATION | COORDINATOR | TELEPHONE NO. | CO. | AREA | LOCATION | COORDINATOR | TELEPHONE NO. | | |
|----------|--|----------------|------------------------|---------------|------------------|---|----------------|---|-----------------|---------------|---------------|
| NE | Staff Massachusetts Northern States Rhode Island | Boston | J. F. Beer | 617-879-9279 | NW | Staff Minnesota Iowa Nebraska South Dakota North Dakota | Omaha | G. H. Sanders | 402-422-2274 | | |
| | | Framingham | E. B. Scheipers | 617-879-9279 | | | Minneapolis | J. S. Oakes | 612-344-6118 | | |
| | | Manchester | G. A. Faneuf | 603-645-3325 | | | Des Moines | D. L. Heidt | 515-286-6066 | | |
| | | Providence | P. A. O'Brien | 401-525-2424 | | | Omaha | F. D. Fieck | 402-422-3863 | | |
| NY | Staff Network Operations | New York | A. B. Bortz | 212-868-8590 | SW | Staff Arkansas Kansas Kansas City St. Louis Oklahoma Dallas Houston San Antonio | Sioux Falls | H. M. Scott | 605-339-5956 | | |
| | | New York | J. R. Bryant | 212-370-2810 | | | Fargo | L. J. Smith | 701-235-3629 | | |
| NJ | Staff | East Orange | E. Sellars | 201-672-7190 | MTN | Staff Arizona El Paso Colorado Idaho Montana New Mexico Utah Wyoming | St. Louis | C. W. Edmundson | 314-247-3804 | | |
| PA | Staff Eastern & Delaware Central Western | Philadelphia | L. C. Franks | 215-466-2386 | | | Little Rock | J. Zanolff | 501-371-5123 | | |
| | | Philadelphia | H. A. Fischer | 215-466-4377 | | | Topeka | H. L. Thompson | 913-296-8811 | | |
| | | Harrisburg | A. H. Peters | 717-255-4582 | | | Kansas City | W. M. Schmit | 816-275-8510 | | |
| C&P | Staff Washington Maryland Virginia West Virginia | Pittsburgh | R. S. Stoker | 412-633-4783 | | | St. Louis | F. F. Stieffermann | 314-247-4469 | | |
| | | Washington | M. E. Ricetts | 202-392-5556 | | | Oklahoma City | F. W. Kamp | 405-236-7258 | | |
| | | Washington | M. J. Dumas | 202-392-3111 | | | Dallas | C. V. Loooper | 214-745-3836 | | |
| | | Baltimore | E. M. Fields | 301-393-7070 | | | Houston | J. D. Wanja | 713-521-8304 | | |
| SO | Hq. Staff Florida Staff North Florida South Florida Southeast Florida Georgia - Metro Georgia - Outstate North Carolina South Carolina | Richmond | R. B. Prorise | 804-772-7070 | | | San Antonio | J. L. Zumwalt | 512-222-3909 | | |
| | | Charleston | G. H. Guinn | 304-344-6572 | | | Denver | F. E. Marick | 303-624-4516 | | |
| | | Atlanta | C. Perkins, Jr. | 404-529-8557 | Phoenix | A. H. Hall, Jr. | 602-263-1976 | | | | |
| | | Miami | P. K. Hoelle | 305-263-2941 | El Paso | D. H. Becker | 915-542-4455 | | | | |
| | | Jacksonville | R. W. Williams | 904-353-2576 | Denver | P. L. Cronin | 303-624-7657 | | | | |
| | | Miami | H. N. Ivestor | 305-263-2342 | Boise | H. M. Moore | 208-385-2707 | | | | |
| | | Ft. Lauderdale | H. L. Reynolds | 305-776-3506 | Helena | L. C. Stetzner | 406-449-3230 | | | | |
| | | Atlanta | T. J. Smith | 404-391-2559 | Albuquerque | J. L. Baker | 505-765-7454 | | | | |
| | | Atlanta | G. K. Robinson | 704-377-8726 | Salt Lake City | S. M. Carlson | 801-237-6428 | | | | |
| | | Columbia | W. A. Humphries | 803-799-9872 | Cheyenne | W. R. Kalasinsky | 307-635-2726 | | | | |
| SOCN | Staff Alabama Kentucky Louisiana - NW Mississippi Tennessee | Birmingham | W. C. Williams | 205-321-8529 | PNB | Staff Wash. - Idaho Oregon | Seattle | G. D. Frampton | 206-345-4060 | | |
| | | Birmingham | J. A. LeCroy | 205-877-5612 | | | Seattle | R. P. Kersten | 206-345-3700 | | |
| | | Louisville | A. P. Crump | 502-582-8719 | | | Portland | H. M. Brown | 503-242-5414 | | |
| | | New Orleans | C. Fusellier | 504-529-8232 | | | PAC | Staff Northern Sector Southern Sector Bay Sector Los Angeles Sector Nevada | San Francisco | D. R. King | 415-542-0803 |
| | | Jackson | G. L. Robertson | 601-948-3514 | | | | | Sacramento | O. C. Sgsse | 916-648-5060 |
| | | Nashville | V. E. Matthews | 615-298-7470 | | | | | San Diego | L. R. Rarick | 714-238-2655 |
| | | OHIO | 216 Area 4-5-6 Area | Cleveland | | | | | F. K. Lindhorst | 216-822-7492 | San Francisco |
| Columbus | W. E. Herbert | | | 614-460-8640 | Los Angeles | D. S. Myers | | | 213-621-5420 | | |
| MICH | Michigan | Southfield | J. A. McGill | 313-424-0075 | Reno | W. A. Hohn | 702-789-6582 | | | | |
| IND | - | Indianapolis | F. I. Hurst | 317-265-3818 | LL | Staff Northeastern NYC Central Southern Midwestern Eastern Western | Bedminster | A. C. Soldavini | 201-234-4906 | | |
| WISC | - | Milwaukee | P. B. Cramton | 414-678-2164 | | | White Plains | R. F. Wilhelm | 914-320-2263 | | |
| | | ILL | Headquarters | Chicago | | | R. L. McDowell | 312-727-6193 | New York | R. W. Hoffman | 212-334-6587 |
| Chicago | R. L. McDowell | | | 312-727-6193 | | | Chicago | J. W. Duncan | 312-885-8500 | | |
| SNE | - | New Haven | H. J. Beaudin | 203-771-6569 | Atlanta | W. H. Watts | 404-529-2641 | | | | |
| CINN | - | Cincinnati | W. P. Keidel | 513-397-4151 | Non-Bell TCTS | Trans-Canada Tel. Sys. | Kansas City | H. W. Townsend | 816-391-2423 | | |
| | | | | | | | Washington, DC | J. L. Torbert | 202-457-2030 | | |
| | | | | | | | San Francisco | F. J. Curran | 415-442-2226 | | |

Chart 18

| IDDD INTER-DEPARTMENTAL COORDINATORS AS OF JUNE 1, 1978 | | | |
|---|--|--|--|
| CO. | COORDINATOR | TELEPHONE NO. | REMARKS |
| NE | M. L. Walsh | 617-743-3537 | |
| NY | R. A. Dereska (Mrs.) | 212-399-7403 | Overall Coordinator |
| NJ | R. C. Harrison | 201-649-3292 | |
| PA | E. Durrwachter M. Saunders | 215-466-4660 215-466-3000 | Overall Co. & Engrg. Operations |
| C&P | A. W. Capuano E. E. Goodrich D. C. Michaelis, Jr. W. D. Cauley W. C. Hogue | 202-392-8941 202-392-2231 301-393-2881 804-772-5791 304-344-7686 | Overall Coordinator Washington Maryland Virginia West Virginia |
| SO | J. B. Grainger C. Perkins | 404-529-8108 404-529-8557 | IOTC IDDD |
| SOCN | G. C. Newcomer R. T. Mason | 205-321-8529 205-321-8494 | Overall Coordinator Traffic Matters |
| OHIO | J. L. Draheim | 216-822-7542 | |
| MICH | K. Killoran | 313-424-0571 | |
| IND | R. C. Harold | 317-265-2999 | |
| WISC | C. H. Weaver | 414-678-2256 | |
| ILL | K. E. Gerler | 312-727-2963 | |
| NW | G. R. Gabrielson | 402-422-3549 | |
| SW | B. L. Grierson J. R. Toland | 314-247-4029 314-247-8171 | |
| MTN | D. F. Krell | 303-624-8687 | |
| PNB | J. G. Kent | 206-345-6933 | |
| PAC | T. W. Powers | 415-542-1238 | |
| LL | D. Turner J. Cardinal H. Bontemps T. B. Washburn R. N. Stein R. Sherman H. P. Hart E. M. Lubahn | 201-234-7780 914-320-2603 212-334-3325 412-227-7710 904-350-5143 312-855-8857 816-391-2866 303-233-3634 | Headquarters Northeastern Area New York City Area Eastern Area Southern Area Central Area Midwestern Area Western Area |
| SNE | J. J. Collins | 203-771-6863 | IDDD |
| CINN | W. L. Reeves | 513-397-2231 | |
| AT&T | J. R. DeLeon, Jr. N. K. Wickham J. V. Murphy C. R. Crump D. G. Miller J. Simley W. R. Teague L. Smith R. Keevers | 201-221-4720 201-221-3522 201-221-3959 201-221-4754 201-699-7649 201-221-6618 201-221-4870 201-221-6272 201-949-5388 | Network Operations Operator Services Customer Assistance Network Maintenance Comptrollers Matters Public Relations Eng'g & Ntwk Services Marketing Bell Laboratories |
| <u>Non-Bell</u> | | | |
| CANADA | W. H. Snuggs L. H. W. deLauney | 613-230-4468 613-239-2916 | IOTC Engineering Matters |

SUMMARY (END OF 1977) = SWITCHING SYSTEM TYPE AND CLASS (SOURCE CHARTS 4-10, 12A-F)

| TYPE | 4 ESS | | | | 4 XBR | | | | 1A/1 ESS | | | XBR/TDM | | | 5 XBR | | SXS | | TOTAL | | | | |
|--------------|-------|---|---|----------------|-------|----|------|------|----------|----|----|---------|-------|-----------------------------------|-------|-----|-----|-----|-------|----|-----|-----|---|
| | CLASS | 1 | 2 | 3 | 4 | 1 | 2 | 3 | 4 | 2 | 3 | 4 | 2 | 3 | 4 | 3 | 4 | 3 | 4 | 1 | 2 | 3 | 4 |
| CO. | | | | | | | | | | | | | | | | | | | | | | | |
| NE | | | | | | 3 | 6+1A | | | | | | 4+1A | 15 | | 18 | | 34 | | 3 | 12 | 67 | |
| NY | | | 1 | | 1 | 4 | 6+1A | 2 | | | 1 | | 6+13A | ^{37+5L} _{+1A} | 1 | 22 | | 14 | 1 | 4 | 28 | 82 | |
| NJ | | | | | | 2 | 5 | 1 | | | 2 | | 1 | 10+2A | | 6 | | 1 | | 2 | 6 | 22 | |
| PA | | | 1 | 1 | 2 | 2 | 5 | | | | 4 | | 2 | 11+1L | 2 | 16 | | 13 | 2 | 2 | 10 | 46 | |
| C&P | | | | | | 4 | 5 | | | | 4 | | 1 | 5+7L | 1 | 21 | | 9 | | 4 | 7 | 46 | |
| SO | | | 1 | 1 | 1 | 6 | 8 | 5 | | 2 | 6 | | 1 | 4+3L | 3 | 21 | | 17 | 1 | 6 | 15 | 57 | |
| SOCN | | | | | | 6 | 3 | 1 | | | 3 | | 5 | 1 | 6 | 37 | | 8 | | 6 | 14 | 50 | |
| OHIO | | | 1 | | | 1 | 5 | 1 | | | 1 | | 1+2A | 3+3L | | 10 | | 10 | | 1 | 9 | 28 | |
| MICH | | | | | | 2 | 5 | 1 | | | 2 | | 2 | 9+1L | 1 | 5 | | 9 | | 2 | 8 | 27 | |
| IND | | | | | | 3 | | | | | 2 | | 1+1A | 1L | | 8 | | 8 | | 3 | 2 | 19 | |
| WISC | | | | | | 2 | 2 | | | | 4 | | 1 | 3+1L | 2 | 3 | | 10 | | 2 | 5 | 21 | |
| ILL | | | | 1 ^② | 1 | 3 | 5 | 1 | | | 4 | | 2 | ^{10+7L} _{+1CL5} | | 13 | | | 1 | 3 | 7 | 37 | |
| NW | | | | | | 4 | 1 | | | 3 | 6 | | 4 | 3+1L | 7 | 29 | | 20 | | 4 | 15 | 59 | |
| SW | 1 | 2 | | | 1 | 3 | 9 | 1+1L | | 4 | 8 | 2 | 7 | 5+2L | 5 | 43 | | 26 | 2 | 7 | 25 | 86 | |
| MTN | | 1 | | | 1 | 4 | 4 | 3 | | 2 | 1 | 1 | 1 | 2 | 3 | 16 | | 25 | 1 | 6 | 10 | 47 | |
| PNB | | | | | | 2 | 3 | | | | 2 | | 3+1A | 2L | 5 | 5 | | 11 | | 2 | 12 | 20 | |
| PAC | | | | | 2 | 8 | 10 | 2+1L | | | 4 | | 7+6A | 9+13L | 1 | 11 | | 24 | 2 | 8 | 24 | 64 | |
| SNE | | | | | | 1 | 2 | | | | 2 | | | 9 | | 1 | | 11 | | 1 | 2 | 23 | |
| CINN | | | | | | 1 | | | | | | | | 1+1L | | 1 | | 2 | | 1 | | 5 | |
| SYSTEM TOTAL | 1 | 3 | 4 | 3 | 10 | 61 | 86 | 20 | | 11 | 56 | 3 | 73 | 189 | 37 | 286 | | 252 | 10 | 67 | 211 | 806 | |
| NON-BELL | | | | 1 | | | 5 | 6 | | | | | | 2 | 1 | | 2 | | | | 8 | 9 | |
| CANADA | | | | | 1 | 3 | 4 | 1 | | | | 2 | 4 | 8 | 5 | 43 | 5 | 50 | 1 | 5 | 18 | 102 | |
| TOTAL | 1 | 3 | 4 | 4 | 10 | 64 | 95 | 27 | | 11 | 56 | 5 | 77 | 199 | 43 | 329 | 7 | 302 | 11 | 72 | 237 | 917 | |

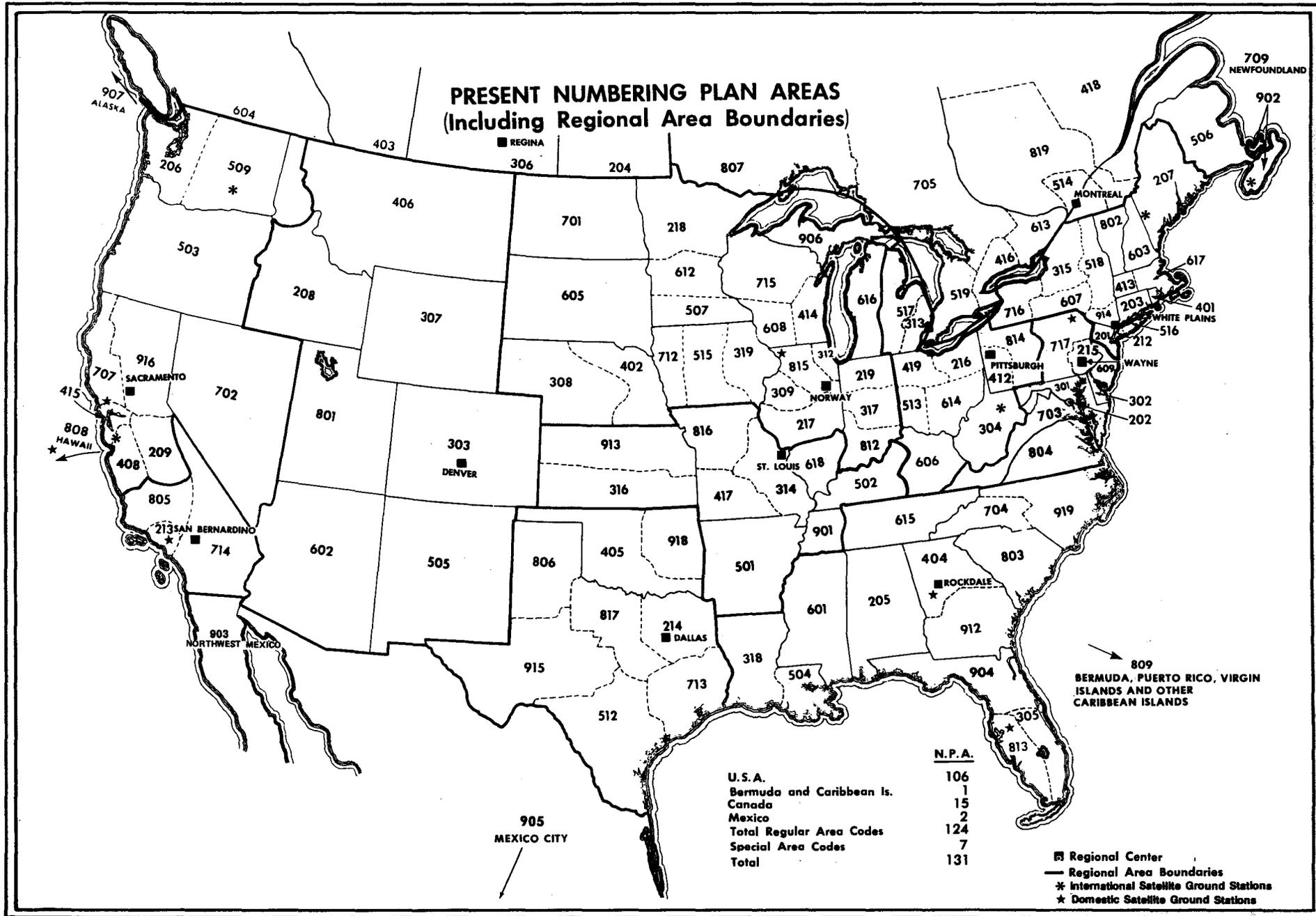
Notes: This tabulation presents a summary based on data included on the various charts herein.

A – Auxiliary Switching System L – Local

② Chicago SRT ϕ Indicates other type switching systems

| | | | | |
|------------|----|----|-----|-----|
| NON-BELL ϕ | | | 3 | |
| CANADA ϕ | 1 | 3 | 9 | 19 |
| | 12 | 75 | 249 | 936 |

PRESENT NUMBERING PLAN AREAS (Including Regional Area Boundaries)



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

N.P.A.

| |
|-----|
| 106 |
| 1 |
| 15 |
| 2 |
| 124 |
| 7 |
| 131 |

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