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distance dialing coordinating handbook

1974

Vol. 13 Issue 1

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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 1974 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 for Bell System purposes and is for the use of Bell System employees only. Its distribution is in no sense a publication. Neither the material nor any portion thereof is to be reproduced in any form by others without the written permission of the American Telephone and Telegraph Company.



Construction Plans Department

Chart 1

DISTANCE DIALING STATISTICS APRIL 1974 CONSTRUCTION BUDGET VIEW

LONG DISTANCE MESSAGES-BELL OPERATED (During Year-Millions)	1973 (Actual)		1974		1975	
Operating Cos. (Incl. So. N.E. & Cinn.)*	6456.2		7160.1		8635.2	
Long Lines	2483.0		2751.0		3081.0	
% Dialed by Customers (DDD)*	78.0		80.3		81.8	
% Dialed by Operators (DDD)*	17.4		13.7		10.8	
% Customer Dialed Operator Serviced (TSPS, TSP)*	4.6		6.0		7.4	
% Outward International DDD*	3.6		12.0		22.0	

TELEPHONES (End of Year - Millions)	Bell Cos.	Non- Bell	Bell Cos.	Non- Bell	Bell Cos.	Non- Bell
Total Main Tels. & Equiv. Main Tels.	65.8	15.9	68.2	16.8	71.0	17.7
Equipped for DDD.	64.4	14.4	67.1	15.3	70.0	16.3
Equipped for IDDD	3.5	X	6.7	X	10.7	X
Served by TSPS or Equivalent	24.6	X	34.5	X	42.8	X
With ANC Numbering	62.8	15.9	65.7	16.7	69.6	17.7
Operator Identified	8.2	X	6.6	X	5.5	X
Automatically Identified - LAMA	26.7	X	29.8	X	33.3	X
" " - ANI	29.4	X	30.6	X	31.2	X

TOLL MESSAGE NETWORK TRUNKS (End of Year-Thousands)						
Intertoll-used	727.4	X	795.7	X	857.5	X
Toll Connecting-used	1331.0	X	1466.1	X	1607.5	X
End Office Toll-used	41.3	X	47.8	X	56.3	X
Total-used	2099.7	X	2309.6	X	2521.3	X

TOLL OFFICE DATA (End of Year)						
Local Central Office Buildings	8678	X	8697	X	8743	X
Traffic Toll Centers (Toll offices of any rank providing inward operator assistance)	983	489	890	480	816	474
Toll Centers Equipped With CAMA	632	399	617	408	607	416
Total Toll Positions	63997	X	58833	X	55174	X
TSPS and TSP Positions (included above)	15424	X	17882	X	20578	X

"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.

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, dated 1974. Send through normal channels to: Western Electric Co., Inc., Indiana Publication Center, P.O. Box 26205, Indianapolis, Ind. 47226

Chart 2

CUTOVER DATES FOR DISTANCE DIALING ACTIVITIES REQUIRING NATIONWIDE ROUTING CHANGES

MONTH	1975	1976	1977	1978	1979
January	4-18	3-17	8*-15	7-21	6-20
February	1-15	7-21	5-19	4-18	3-17
March	1-15	6-20	5-19	4-18	3-17
April	5-19	3-24*	2-16-30#	1-15	7-21
May	3-17	1-15	21	6-20	5-19
June	7-21	5-26*	4-25*	3-24*	2-23*
July	5-19	3-17	2-16	1-15	7-21
August	2-16	7-21	6-20	5-19	4-18
September	6-20	4-18	3-17	2-16	1-15
October	4-18	2-16	1-15	7-21	6-20
November	1-15	6-20	5-19	4-18	3-17
December	6-20	4-18	3-17	2-16	1-15

NOTE: These dates are the first and third Saturdays of each month except when they fall on 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

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
New routing T.F.P. for 4A/ETS; Div. G, Sec. 2c (9)	73-05-023	-					X						
New T.F.P. - Miscellaneous Equipment Associated with 4A/ETS; Div. D, Sec. 7d (4)	73-05-030	-					X						
New 4XB Maintenance Results Plan	73-05-065 P.L. 2682	-					X						
CAROT 52A Responder and 52B Responder Access Panel	73-05-104 E.L. 2286 P.L. 2630	-											CAROT
Incoming Trunk Overload Control Feature in CTX-6 Generic Program	73-05-166 E.L. 2570	-			X								
Customers Dialing to Mexico City - Recommends offering at all locations when unblocking is accomplished to accommodate NPA type codes for NXX's.	73-05-224	-	X	X	X	X	X	X	X	X			
SXS - ANI-B - 9 ft. Frames	73-06-008 E.L. 2607	3Q74	X										ANI
Two-way Trunk Modifications for Operation with Satellite Transmission Facilities	73-06-013 E.L. 2462 P.L. 2657	11-73				X	X						Satellites
New 4XB Maintenance Results Plan	73-06-021 P.L. 2682-1	-					X						

PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING

AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Interstate Long Distance Calling Guide for Customers	73-06-025	-	X	X	X	X	X	X	X				
T.F.P.; Div. D, Sec. 6j-Traffic Registers for XBT	73-06-040	-				X							
CAROT (Centralized Automatic Reporting on Trunks) Automatic Trunk Transmission Testing - Announces the 52E Responder (J94052C) Alignment Unit	73-06-043 E.L. 2464 P.L. 2653	12-73											CAROT
SXS CAMA Expansion of Decoder F.A.T. code Points in Offices not Equipped for Interchangeable codes	73-06-071 E.L. 2622	2-74	X										
Conversion of Mexico to Bell System "Call Back" Operating Practice	73-06-095	-	X	X	X	X	X	X	X	X			
Recapturing C.O. Codes Used Exclusively for 3-Row TWX	73-06-098	-	X	X	X								
Announces the CAROT Controller - J94053	73-06-104 E.L. 2061 P.L. 2596	6-74										X	CAROT
Nationwide Numbering Plan and Dialing Procedures - Code Assignment Responsibilities	73-06-108	-	X	X	X								
LESS Post-Cutover Capacity Determination T.F.P. Div. D, Sec. 10f (3) Issue 2	73-06-112	-			X								

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pri/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmpt	Other	
4A/4M Crossbar Traffic Registers - T.F.P.; Div, D, Sec. 7h (1), (5)	73-06-113	-				X							
Report of Task Force on Standard Systems Containing Embedded Minicomputers	73-06-120 E.L. 2500 P.L. 2652 Correction 11-28-73	-											X
System Called Line Report to Identify Called Numbers with Low Completion and High Attempt Volumes	73-06-133	-	X	X	X								
New Plant Measurement Plan	73-06-155	-					X						
TSPS No. 1 - Growth Procedures	73-06-173 E.L. 2662	-							X				
4A Switching Equipment Engineering System - Announces time-share system to assist Traffic and Engineering personnel	73-06-199	-					X						
Numbering Plan Area Map and Location of NPA codes	73-06-203 73-08-087 (correction)	-	X	X	X	X	X	X	X				
Availability of Network Completion Reports on Magnetic Tape	73-06-207	-	X	X	X	X	X	X	X	X			

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmpt	Other	
LESS 2-wire - Remote Office Test Line and Processor Controlled Interrogator	73-07-012 E.L. 2505 P.L. 2671	11-73			X							X	CAROT
4ESS General System Description T.F.P.; Div. D, Sec. 14a (2)	73-07-030	-							X				
4ESS Capacities for Long Range Planning	73-07-038 E.L. 2606	-							X				
104 Test Lines - Conversion to Tone Only Operation	73-07-063 E.L. 2657 P.L. 2693	-											
Expanded Test Capabilities and Additional Features for the Automatic Outgoing Trunk Test Frames (AOOT/AOTT)	73-07-077 E.L. 2685	1-74					X						
Trunk Busy Distributing Frame	73-07-101 E.L. 2691	4-74				X							
Incoming Trunks for Use with Traffic Service Position Systems (TSPS)	73-07-122 E.L. 2695	-					X		X				
Plan for Toll Planning Notes Relating to LRSS and TNPP	73-07-123	-											
Modification of Trunk Identifier to Identify the Channel	73-07-126 E.L. 2633	TRF 2-74 TIF 4-74				X							
Storage of Circuit Packs	73-07-170 E.L. 2704 P.L. 2705	-			X		X	X	X				ETS

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
New E & M Lead Applique Circuit for 4ESS	73-07-198 E.L. 2713	2-74							X				
Minimum High Usage Trunk Group Criteria	73-07-216	-	X	X	X	X	X	X	X	X			
List of Recommended GL's and E.L.'s for 1ESS Traffic Engineering and Dial Administration	73-08-014	-			X								
Summary of Selected Items and Results from Network Operations Trouble Information System (NOTIS)	73-08-024	-	X	X	X	X	X	X	X	X			
Centralization of 555 and 131 Directory Assistance Traffic	73-08-030	-											DA
List of Accounting Toll Center Codes	73-08-031	-	X	X	X	X	X	X	X	X			
Dial Facilities Management Practices; Div. H, Sec. 13d (7) for Methods of Procedures for Facilities Additions	73-08-033	-					X						
4ESS Capacities for Long Range Planning	73-08-095	-						X					
Remote Office Test Line (ROTL) for 1XB and XBT for Use With CAROT	73-08-102 E.L. 2748	7-74		X		X					X		CAROT
Lists of Identification Codes for Recorded Announcements	73-08-110	-	X	X	X	X	X	X	X	X			

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Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Dial Fac. Mgt. Practices; Div. H, Sec. 13c (4) Assignment of Trunk Link Frames	73-08-118	-					X						
Trunk Record Update Support Technique (TRUST)	73-08-147	-			X								
SxS CAMA - Capacity Increase to 800 Trunk Circuits	73-08-157 E.L. 2764		X										CAMA
Network Operations Mgt. Circular	73-08-232	-	X	X	X	X	X	X	X				
Long Haul Applications for T1 Carrier Outside Metropolitan Areas	73-09-012 E.L. 2196	-											T1 Carrier
Additions and Improvements of Traffic Measurements in Centrex 6 Generic Programs	73-09-017 E.L. 2789	-			X								
Network Maintenance Improvements	73-09-021 E.L. 2792 P.L. 2720	-			X								
Recent Change Message Interpretation for Centrex 6 and Later Generic Programs	73-09-025 E.L. 2794	-			X								
SxS Traffic Engineering Objectives	73-09-044	-	X										
Improved Features for Early Vintage Automatic Progression Trunk Test Features	73-09-054 E.L. 2805	7-74			X								

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Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Dial Pulse Registers - Maintenance Improvements and Non-CAMA Trouble Recording Capability	73-09-085 E.L. 2604	2-74					X						
Bell - USITA Subcommittee on Network Planning Meeting notes	73-09-086	-	X	X	X	X	X	X	X	X			
Network Improvement Activities with Independent Tel. Cos.	73-09-127	-	X	X	X	X	X	X	X				
Selective Code Controls for Network Administration	73-09-129	-		X									
CAMA - C: Implementation Status and Summary of Contract Provisions	73-09-141	-				X	X				X	CAMA - C	
Administration of Toll Cutovers, noting the planned Chicago Toll Center Area Reconfiguration	73-09-158	-	X	X	X	X	X		X				
TOCOTS - Toll Connecting Circuit Order Test Set	73-09-181 E.L. 2706 P.L. 2703	2Q74					X						
Network Service - Mass Calling	73-09-201	-	X	X	X	X	X	X	X				
J64092A Carrier Transmission Maintenance Sys.	73-10-041 E.L. 2687	1-74										Car.	
Usage Sensitive Pricing preliminary engineering information in an AMA Recording System for SXS Offices (AMARS) plus call billing 5XB and 3ESS	73-10-045	-	X	X	X						X	AMARS	

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Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application								
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other
International Direct Distance Dialing Feature - TSPS Arrangement	73-10-087 E.L. 2869	-			X					X	X	
New Features for ANI-B Outpulser Identifier Trunk Test Frame for Panel	73-10-094 E.L. 2874	5-74	X									
IDDD Testing in LESS	73-10-190 P.L. 2725	-			X						X	
Feature Documents for Electronic Switching Systems	73-11-040	-			X							2ESS 3ESS
CAROT - Automatic Trunk Transmission Testing - Announces latest Western Electric Price Estimates for Major Items	73-11-056 E.L. 2282 P.L. 2629	-										X CAROT
IDDD - IOTC plans and procedures	73-11-063										X	
Directory Assistance Charging Feature	73-11-108 E.L. 2782	6-74				X	X					DA
Trunk Link Frame CCS Capacity Information	73-12-014	-					X					
New XBT Maintenance Plan	73-12-016	-				X						
1974 Schedule for Network Completion and System Called Line Report Studies	73-12-024	-	X	X	X	X	X					
Development of One - Second Timing Accuracy for Paper Tape AMA Offices	73-12-032 E.L. 2926	4-74	X	X	X	X	X					CAMA

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application								
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other
Dial Facilities Mgt. Practice; Div. H, Sec. 13b (2), general description of 4A/4M ETS	73-12-033	-					X					ETS
No. 1ESS Description and Planning Information	73-12-142	-			X							
AMA Tape Format Changes for CTX-7 Program	73-12-148 E.L. 2949	-			X							
Expanded Remote Office Test Line (ROTL-2) for SXS	73-12-159 E.L. 2898	4Q74	X									
Piggyback Twistor Store-Improved Maintenance Facilities	73-12-166 E.L. 2950 P.L. 2760	-					X		X			ETS
Building Requirement Guidelines for Stored Program Control Systems	73-12-170	-			X			X	X			
Dial Facilities Mgt. Practices; Div. H, Sec. 13c (1), (2) types and operation of traffic registers	73-12-198	-					X					
4A Signaling Test Set	73-12-199 E.L. 2956 P.L. 2763	9-74										Signal
No. 4ESS Planning Price Profile	73-12-206 E.L. 2930	-						X				

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Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application								
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmpt	Other
Auxiliary Recording and Analysis of Ineffective Attempt and Sender Retrieval Data, in CT Offices and ETS Offices Prior to Installation of a Peripheral Bus Computer (PBC)	74-01-004	-					X				X	HERO
Stored Program Control System (SPCS) Centralized Operation	74-01-013	-			X						X	
Centralized Maintenance of SPCS Offices	74-01-014	-			X						X	
Annual Busy Season Trunk Data Report	74-01-025	-	X	X	X	X	X	X	X			
No. 4XB Maintenance Results Plan	74-01-030 P.L. 2682-2	-					X					
Trunk and Facilities Maintenance System (TFMS) and Outgoing Trunk Test System (OTTS)	74-01-037 E.L. 3009 P.L. 2739	1-75					X				X	
Nationwide Numbering Plan - introduction of N 0/1 X codes	74-01-077	-	X	X	X	X	X	X	X			
Use of an Alternative Strategy to Timing when Interchangeable codes are Introduced	74-01-102	-	X	X	X	X	X	X				
Planning Information for Engineering and Data Acquisition System/network Mgt. (EADAS/NM)	74-01-111 74-02-010 P.L. 2775	-	X	X	X	X	X	X			X	

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Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
New Traffic Engineering Procedures for XBT sender groups	74-01-128	-				X							
TSPTS Maximum Utilization Guidelines	74-01-137	-								X			
Implementation Program for 4ESS	74-01-153 E.L. 2929	-						X					
1974 C.O. Code Utilization Survey (COCUS)	74-02-002	-	X	X	X								
T-Carrier Administrative System (TCAS)	74-02-004 E.L. 2672 P.L. 2698	-									X	T-Carrier	
Preliminary Planning Information for End Office Toll Trunking	74-02-007	-		X	X	X	X						
T.F.P. for 5XB Trunk Link Frames; Div. D, Sec. 8c (2)	74-02-021	-		X									
Automatic Board-to-Board Testing	74-02-028 E.L. 2586 P.L. 2781	8-74			X								
4ESS Dial Facilities Mgt. Practice; Div. H, Sec. 9d for circuit order administration	74-02-046	-						X					
Retrofit Procedure for 2 new Generic Issues	74-02-053	-							X				

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Trunking Theories and Areas of Application T.F.P. Div. G, Sec. 1c	74-02-060	-	X	X	X	X	X	X	X				
Application of the No. 1 ESS as a Toll Office, Class 4 and CSP	74-02-074	-			X								
Remreed Trunk Link Network	74-02-075 E.L. 3096	11-74			X								
Generic Issue 5 for TSPS	74-02-079 E.L. 2922	4Q74							X	X			
Development of 2048 Junction Trunk Link Network	74-03-012 E.L. 3125	-			X								
TSPS and ETS - Processor Emergency Recovery Circuit (PERC)	74-03-126 E.L. 3152 P.L. 2796	Tent 1Q75					X		X				
Lists CCIS candidate offices and requests companies to designate coordinators	74-03-159 E.L. 3141	-											
Efficient Code Utilization and Con- servation Program	74-03-160	-	X	X	X								
Dial Facilities Mgt. Practice; Div. H, Sec. 9a, general description of 4ESS	74-03-161	-						X					

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Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Advance Routing Guide Information System (ARGIS) for routing changes	74-03-177 74-04-189	-	X	X	X	X	X	X					
Automatic Number Identification Type D (ANI-D)	74-04-001 E.L. 2880	3Q74	X										ANI-D
TSPS No. 1 - Remote Trunk Arrangement and Position Subsystem No. 2 Availability	74-04-010 E.L. 3199	2Q76							X				
ETS Peripheral Bus Computer planning information	74-04-019 E.L. 2468	-					X					X	
100A Traffic Service Positions associated with Crossbar Tdm. T.F.P. Div. D, Sec. 6-k	74-04-021	-				X			X				
Area Code Translator For Use in Conjunction with Interchangeable Codes (No. 5X bar)	74-04-024 E.L. 2997	2Q75		X									
Dial Pulse Sender - Reduced Call Processing Time	74-04-028 E.L. 3054	4Q74				X							
Summary of 1973 switching location failures to make scheduled nationwide cutover or hihoms/routing changes	74-04-032	-	X	X	X	X	X	X	X				
Revisions to <u>Notes on Distance Dialing</u>	74-04-036	4Q74	X	X	X	X	X			X			
Tandem AMA Trunk	74-04-062			X									
Tandem AMA Trunk identification for No. 5X bar	74-04-062			X									

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
New features for 4XB incoming senders	74-04-064 E.L. 2796	2Q75					X						
CAMA Disconnect Feature and Miscellaneous Toll Capabilities Feature	74-04-076 E.L. 3219	-			X								
CAMA-C Price Data	74-04-093	-									X	CAMA-C	
CMDS point-to-point master file improvements	74-04-134	-	X	X	X	X	X	X	X				
Dial Facilities Mgt. Practices; Div. H, Sec. 9c and 9e, Assignment Practices and Machine Administration Records	74-04-137	-						X					
Traffic Facilities Practice; Div. E, Sec. 4a (6) and (7), Service Observing and Training Eqpt. for 100A TSP.	74-04-140	-							X				
Revised echo suppressor application rules for high usage trunks in the DDD Network	74-04-158 E.L. 2870	-	X	X	X	X	X	X	X				Echo Suppr.
Description of functions of CCIS Assignment and Planning Center	74-04-182	-											CCIS
Plant training course for ETS Recent Changes	74-04-214	-					X				X		ETS
New XBT maintenance results plan	74-04-230	-				X							
Discusses plans to issue an improved data gathering package for network completion studies	74-04-251	-	X	X	X	X	X						

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Announces availability of magnetic tape CAMA for No. 5 offices	74-05-001 E.L. 3215	12-74		X									
New trunk circuits for handling remote overseas Language Assistance Operator Traffic	74-05-004 E.L. 2813	12-74					X						IOC
Modification for prevention of AMA tape reel reversals for TSPS	74-05-007 E.L. 3244	8-74							X				
New circuit to permit up to 200 trunks to be served from a 5XBR OSL frame	74-05-012 E.L. 3216	12-74 (W.S.Mkr) 1975 (V&T Mkr)		X									
Changes in first stage outpulsing codes for international calls for TSPS Generic 5	74-05-027 E.L. 3270	-							X	X			
Recommended procedures for procurement and management of AMA magnetic tape	74-05-036 74-05-184	-			X				X				CAMA-C
New table of contents for Traffic Facilities Practices	74-05-040	-	X	X	X	X	X	X	X				
Transmits toll and exchange holding time and toll conversation time data	74-05-047	-	X	X	X	X	X		X		X		
Preliminary development information for 4ESS	74-05-057 E.L. 3300	-						X					
New loop signalling extender with wink toll diverting capability	74-05-073 E.L. 2936		X	X	X								

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Summarizes service, equipment and selected traffic engrg. data for each XBT for 1973	74-05-086	-				X							
Information and guidelines for conversion of 6-sec. AMA paper tape to 1-sec. timing	74-05-102	-	X	X		X	X						AMA
Defines messages and revenues reportable to Long Lines for interstate toll settlements	74-05-114	-	X	X	X	X	X	X	X				
Concepts and objectives concerning forecasting Independent Co. toll settlements	74-05-134	-	X	X	X	X	X	X	X				
Traffic Facilities Practice Div, G, Sec. 1e (2), Concept of Wilkinson's equipment Random Theory for engineering trunk groups for peakedness and/or systematic variations within busy hour traffic loads	74-05-151	-	X	X	X	X	X	X	X				
9 foot SXS ROTL-2	74-05-155 E.L. 3295		X										CAROT
New feature to monitor troubles in sender link controller preference chains for toll XBR	74-05-156 E.L. 3275					X	X						

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application								
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other
Presents transmission and loss plan for the DDD Network with 4ESS	74-05-166 E.L. 2523	-						X				
Planning information for XBT ineffective attempt recording and analysis (COMASIII) and marker route verification testing	74-05-196	-				X					X	COMAS
CRB Bulletin outlining a problem detected in CMDS samples	74-05-238	-	X	X	X	X	X					CMDS
New XBT maintenance results plan	74-06-002	-				X						
Class "A" change to 100B console position circuit keys to prevent bad key codes due to contact bounce	74-06-031 E.L. 3176	NOW							X			
New supplementary decoder frame which doubles number of route relays of SXS common control decoder	74-05-157 E.L. 3278		X									
Pretranslator arrangement for SXS CAMA offices for interchangeable office codes	74-05-158 E.L. 3279		X									
Dynamic Overload Control for end offices	74-05-162 E.L. 2006		X	X	X							DOC
Arrangements to prevent premature termination of audible ring on SXS CAMA calls transferred to TSPS	74-05-165 E.L. 3282		X						X			

**PRINCIPAL NEW FACILITIES AND FEATURES FOR DISTANCE DIALING
AVAILABLE OR PLANNED FOR SHIPMENT IN THE NEXT THREE YEARS (3)**

Subject (Note 1)	Source GL	Ship Date (2)	Pnl/SXS	Application									
				1/5XB	1/2/3 ESS	XBT	4XB	4ESS	TSP(S)	IDDD	Mini-Cmptr	Other	
Modification to prevent false line lamp indications at 3CL boards associated with TSPS	74-06-038 E.L. 3337	4Q74								X			3CL's
Announces new WECO. policy to accept certain sections of TSPS Office Data Input on ship date rather than order date	74-06-146 E.L. 3375	2Q74								X			
Announces 303A Amplifier for CAROT Controller	74-06-152 E.L. 3041 P.L. 2745											X	CAROT
T.F.P. Div. G, Sec. 2c (1) - Suggested Nationwide Cutover Dates for Distance Dialing (see Chart 2)	74-06-189	-	X	X	X	X	X			X	X		
No. 4ESS planning, sizing and ordering information	To be E.L. 3301	-							X				
CCIS general description and planning information	74-07-119 E.L. 2600												

Note 1 - The time span covered by this chart is from May 10, 1973 to July 1, 1974. Consult prior DDCH issues for letters issued before the earlier date.

Note 2 - The date indicated for Probable Initial Shipment is a current view. It should not be viewed either as the earliest date desired by the Companies or a commitment by WE. Certain dates are based on intervals for similar developments, and are in advance of detail information.

Note 3 - Several other AT&T publications provide valuable planning information. Departmental newsletters such as the Systems Planning Newsletter, Long Lines Operations Information Bulletin, etc., should be consulted on a regular basis.

NO. 4 - TYPE TOLL CROSSBAR OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	TYPE/ CLASS	SERVICE DATE		C=CAMA T=TSPS	MACHINE RESPONSIBILITY*			
				OFFICE	ETS		T	E	A	M
N.E.	Boston 2, Mass.	BSTNMAFR02T	4M/2	11/49		C,T	L	L	L	C
	Boston 9, Mass.	BSTNMAFR09T	4A/2	04/70	04/70	C,T	L	L	L	L
	Springfield, Mass.	SPFDMABR01T	4A/2	05/63	06/75		L	L	L	C
	Providence, R.I.	PRVDRIGR04T	4A/3	06/72	06/72		L	L	L	L
	Cambridge 16, Mass. (Kendall Square)		4A/3	06/73	06/73		C	C	C	C
	Portland, Me.	PTLDMEF002T	4A/3	06/73	06/73		C	C	C	C
	Lawrence 2, Mass.	LWRNMACA02T	4A/3	12/73	12/73		C	C	C	C
N.Y.	Albany 2 φ	ALBYNYSS04T	4A/2	04/50		T	C	C	C	C
	Buffalo	BFLONYFR04T	4A/3	05/56	05/73	C	C	C	C	C
	New York 4	NYCMNYAA02T	4M/2	11/48			L	L	L	L
	New York 7	NYCMNY5404T	4A/2	09/63			L	L	L	L
	Suffolk	HNINNYSU01T	4A/2	06/70	06/70	FT	L	L	L	L
	Syracuse	SYRCNYSU04T	4A/3	05/54	04/76	C	C	C	C	C
	White Plains 2	WHPLNY0201T	4A/1	11/54	10/70		L	L	L	L
	Varick Street	NYCMNYVS01T	4A/3	12/71	12/71	T	C	C	C	C
	New York 6	NYCMNY5405T	4A/3	08/72	08/72		L	L	L	L
	New York 10	NYCMNYBW01T	4A/3	06/73	06/73		L	L	L	L
	White Plains 4	WHPLNYWP03T	4A/3	10/73	10/73	C,T	C	C	C	C
	Garden City 1		4A/4	10/73	10/73	C	C	C	C	C
N.J.	Camden 2	CMDNNJCE02T	4A/2	10/69	10/69	T	L	L	L	L
	Newark 2	NWRKNJ0205T	4A/2	08/53			L	L	L	L
	New Brunswick	NBWKNJNB02T	4A/3	08/70	08/70	T	C	C	C	C
	Rochelle Park 1	RCPKNJ0201T	4A/3	11/66	10/74	T	C	C	C	C
	Newark 7	NWRKNJ0207T	4A/3	07/73	07/73		C	C	C	C
PA.	Harrisburg	HRBGAHA41T	4A/2	12/55	06/74	C	L	L	L	L
	Philadelphia	PHLAPAMK41T	4M/2	08/43		T	L	C	L	C
	Pittsburgh 1 φ	PITBPADT41T	4A/1	07/51		C,T	L	L	L	C
	Pittsburgh 2	PITBPADG42T	4A/3	11/70	11/70		L	L	L	L
	Scranton	SCTNPASC41T	4A/3	05/53		C	C	C	C	C
	Wayne	WAYNPALA41T	4A/1	05/57	06/71		L	L	L	L
Ft. Washington	FTWSPAFW41T	4A/3	06/72	06/72		C	C	C	C	

NO. 4 - TYPE TOLL CROSSBAR OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	TYPE/ CLASS	SERVICE DATE		C=CAMA T=TSPTS	MACHINE RESPONSIBILITY*			
				OFFICE	ETS		T	E	A	M
C&P	Baltimore 2 φ, Md.	BLTMMDDT02T	4A/2	08/50	05/76		C	C	C	C
	Charleston, W. Va.	CHTNWVLE24T	4A/2	03/61		C	C	C	C	C
	Richmond, Va.	RCMDVAGRO1T	4A/2	06/54	03/76	C	C	C	C	C
	Washington 1 φ. D.C.	WASHDCDC04T	4A/3	09/50			C	C	C	C
	Washington 3, D.C.	WASHDCSW04T	4A/2	03/67	05/71		C	C	C	C
	Norfolk 3, Va.	NRFLVABSO2T	4A/3	05/72	05/72	T	C	C	C	C
	Arlington 2, Va.	ARTNVACKO3T	4A/3	02/72	02/72		C	C	C	C
SO.	Atlanta 1 φ, Ga.	ATLNGATL42T	4A/2	10/51	05/74		L	L	L	L
	Charlotte, N.C.	CHRLNCCA01T	4A/2	11/54	04/72	C,T	L	L	L	L
	Columbia, S.C.	CLMASCTL01T	4A/2	04/59	03/75	C	L	L	L	L
	Greensboro, N.C.	GNBONCEU01T	4A/3	08/60	3Q-73	C	L	L	L	L
	Jacksonville 1, Fla.	JVCLFLCLO1T	4A/2	12/55	05/73	C,T	L	L	L	L
	Miami 2, Fla.	MIAMFLTL02T	4A/3	11/57	09/77	T	L	L	L	L
	Orlando 1, Fla.	ORLDFLMA01T	4A/2	11/62	09/73	C,T	L	L	L	L
	Rockdale, Ga.	RCDLGATL41T	4A/1	06/60	06/70	T	L	L	L	L
	Columbus, Ga.	CLMBGAMT42T	4A/3	11/71	11/71	C	C	C	C	C
	Raleigh, N.C.	RLGHNCMOO3T	4A/4	08/71	08/71	C,T	C	C	C	C
	Ojus 1, Fla.	OJUSFLTL01T	4A/4	11/72	11/72	C,T	L	L	L	L
	Florence, S.C.	FLRNSCMAO2T	4A/3	04/72	04/72	C	C	C	C	C
	Pensacola, Fla.	PNSCFLBLO3T	4A/4	05/73	05/73	C,T	C	C	C	C
	Atlanta 3, Ga.	ATLNGANW43T	4A/3	01/73	01/73	C,T	L	L	L	L
SOCN	Birmingham, Ala.	BRHMALMT56T	4A/2	08/57	05/74	C,T	L	L	L	L
	Jackson, Miss.	JCSNMSPSO4T	4A/2	06/59	03/73	C,T	L	L	L	L
	Knoxville, Tenn.	KNVLTNMA41T	4A/3	02/61		C	C	C	C	C
	Louisville, Ky.	LSVLKYCSO4T	4A/2	11/57	04/72	C,T	L	L	L	L
	Memphis, Tenn.	MMPHTNMA41T	4A/2	10/56	04/72	C,T	L	L	L	L
	Nashville, Tenn.	NSVLTNMT41T	4A/2	10/56	05/73	C,T	L	L	L	L
	New Orleans, La. φ	NWORLAMA01T	4A/3	03/53	02/74	T	C	C	C	C
	Baton Rouge, La.	BTRGLAMA01T	4A/4	08/71	08/71		C	C	C	C
OHIO	Dayton	DYTN0H1501T	4A/3	11/63	12/75	C,T	C	C	C	C
	Cleveland 1	CLEVOH6201T	4M/2	06/49		C,T	L	L	L	L
	Columbus 2	CLMBOH1102T	4A/3	10/56	11/71	T	C	C	C	C
	Toledo	TOLDOH2101T	4A/3	08/61	04/73	C	L	L	L	L

NO. 4 - TYPE TOLL CROSSBAR OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	TYPE/ CLASS	SERVICE DATE		C=CAMA T=TSPS	MACHINE RESPONSIBILITY*				
				OFFICE	ETS		T	E	A	M	
MICH.	Cleveland 2	CLEVOH0202T	4A/3	08/72	08/72	T	L	L	L	L	
	Akron 2	AKRNOH2502T	4A/3	11/73	11/73		C	C	C	C	
	Detroit 1	DTRTMIBA40T	4A/2	10/53	12/70	C,T C	L	L	L	L	
	Grand Rapids 1	GDRPMIBL40T	4A/2	04/69	04/69		L	L	C	C	
	Plymouth	PLMOMIFA40T	4A/3	07/69	07/69		C	C	C	C	
Pontiac	PNTCMIMN40T	4A/3	06/72	06/72	C		C	C	C		
IND.	Bloomington	BLTNIN0104T	4A/4	08/70	08/70	T	C	C	C	C	
	Indianapolis φ	IPLSIN0104T	4A/2	05/50	06/73	C	L	L	L	L	
	South Bend 1	SBNDIN0504T	4A/2	04/70	04/70	T	L	L	L	L	
WISC.	Eau Claire 1	EUCLWI0141T	4A/2	05/70		T	C	C	C	C	
	Milwaukee 1	MILWWI4841T	4A/2	05/55			L	L	L	L	
	Waukesha 2	WKSHWI0241T	4A/3	05/73	05/73		L	L	L	L	
ILL.	Chicago 2	CHCGILCG42T	4M/2	12/48		C T	L	L	L	L	
	Chicago 3	CHCGILEG43T	4A/2	09/54			L	L	L	L	
	Chicago 6	CHCGILCL46T	4A/3	06/71	06/71	L	L	L	L	L	
	Norway	NRWYILNO41T	4A/1	12/62	12/75		L	L	L	L	
	Springfield	SPFDILSF41T	4A/2	09/60	09/74		L	L	L	L	
	Champaign	CHMPILRA41T	4A/3	11/72	11/72		C	C	C	C	
	Oak Brook	OKBRILOA41T	4A/4	08/72	08/72		L	L	L	L	
	Peoria 2	PEORILPJ41T	4A/3	10/73	10/73		C	C	C	C	
	NW	Des Moines, Ia.	DESMIADT04T	4A/2	06/57		10/70	C	L	L	L
Minneapolis, Minn. φ		MPLSMNDT04T	4A/2	02/51	06/71		C,T	L	C	L	C
Omaha, Neb.		OMAHNENW04T	4A/2	02/52	01/71		C	L	L	L	C
St. Paul 2, Minn. φ		STPLMNMK04T	4A/3	11/71	11/71	C	L	C	L	C	
S.W.	Dallas 1 φ, Tex.	DLLSTXTL14T	4A/1	11/51	06/71	C,T	L	L	L	L	
	Dallas 2, Tex.	DLLSTXTL24T	4A/2	07/71	07/71	C,T	L	L	L	L	
	Fort Worth, Tex.	FTWOTXED14T	4A/2	07/60	1Q-72	C,T	C	C	C	C	
	Houston 1 φ, Tex.	HSTNTXO114T	4A/2	07/52	10/73	C,T	C	C	C	C	

NO. 4 - TYPE TOLL CROSSBAR OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	TYPE/ CLASS	SERVICE DATE		C=CAMA T=TSPS	MACHINE RESPONSIBILITY*			
				OFFICE	ETS		T	E	A	M
	Houston 2, Tex.	HSTNTX0124T	4A/3	06/71	06/71	T	C	C	C	C
	Kansas City 6, Mo.	KSCYMO0914T	4A/2	11/50	11/72	C,T	L	L	L	L
	Little Rock, Ark.	LTRKARFR14T	4A/3	05/54	06/74	C	C	C	C	C
	Oklahoma City, Okla.	OKCYOKCE14T	4A/2	02/54	09/73	C,T	C	C	C	C
	San Antonio, Tex.	SNANTXCA04T	4A/2	08/55		C,T	C	C	C	C
	St. Louis 1, Mo.	STLSMO0914T	4A/1	04/55	02/70	T	L	L	L	L
	St. Louis 2, Mo.	STLSMO0924T	4A/3	04/70	04/70	C,T	L	L	L	L
	Tulsa, Okla.	TULSOKTB14T	4A/3	04/57	04/73	C,T	C	C	C	C
	Wichita, Kan.	WCHTKSBRI4T	4A/3	10/57	04/74	C	C	C	C	C
	Mission, Kan.	MSSNKSFRO4T	4A/3	04/72	04/72	C	C	C	C	C
	Dallas, Tex.		4A/Lc	02/70	02/70		C	C	C	C
	Longview, Tex.	LGVWXTTL14T	4A/3	03/73	03/73	C,T	C	C	C	C
	Corpus Christi, Tex.	CRCHTXTU04T	4A/3	06/73	06/73	C	C	C	C	C
	MTN.	Albuquerque, N.M.	ALBONMA01T	4A/2	04/60	02/75	C	L	L	L
Colorado Springs, Colo.		CLSPCOMA01T	4A/3	05/71	05/71	T	C	C	C	C
Denver 1, Colo.		DNVRCOMA01T	4A/2	11/54	12/70	C,T	L	L	L	L
Phoenix 1, Ariz.		PHNXAZMA01T	4A/2	12/66	11/73		L	L	L	L
Pueblo, Colo.		PUBLCOMA01T	4A/3	08/69	08/69		C	C	C	C
Salt Lake City, Utah		SLKUTMA01T	4A/2	03/58	07/73	C	L	L	L	C
Cheyenne, Wyo.		CEYNWYMA01T	4A/2	05/72	05/72	C	C	C	C	C
Denver 3, Colo.		DNVRCOMA03T	4A/1	06/72	06/72	T	L	L	L	L
PNB.	Portland 1, Ore.	PTLDOR6201T	4A/2	11/55	03/75	C,T	C	C	C	C
	Seattle 1, Wash.	STTLWAO101T	4A/2	01/59	01/72	C	C	C	C	C
	Spokane, Wash.	SPKNWAO101T	4A/3	04/62		C	C	C	C	C
PAC.	Anaheim 1	ANHMCA0128T	4A/2	12/64	04/72	T	C	C	C	C
	Los Angeles 2	LSANCA0201T	4A/2	05/54	04/72		C	C	C	C
	Los Angeles 3	LSANCA0307T	4A/3	03/62	09/69	T	C	C	C	C
	Oakland 3 (Franklin)	OKLDCA0341T	4M/2	10/49	02/72	T	C	C	C	C
	Redwood City	RDCYCA0242T	4A/3	02/70	02/70	T	C	C	C	C
	Sacramento	SCRMCMA0121T	4A/1	06/53	03/76		C	C	C	C
	Fresno 2	FRSNCA0144T	4A/3	06/72	06/72	C	C	C	C	C
	San Bernardino	SNBRCA0133T	4A/1	10/57	01/74		C	C	C	C

NO. 4 - TYPE TOLL CROSSBAR OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	TYPE/ CLASS	SERVICE DATE		C=CAMA T=TSPS	MACHINE RESPONSIBILITY*			
				OFFICE	ETS		T	E	A	M
	San Diego 1	SNDGCAO288T	4A/2	03/67		T	C	C	C	C
	San Francisco 1	SNFCCA0141T	4A/3	06/69	01/72	C,T	C	C	C	C
	San Jose 1	SNJS CAO203T	4A/2	06/58	03/73		C	C	C	C
	Sherman Oaks 2	SHOKCAO263T	4A/3	04/71	04/71	C,T	C	C	C	C
	Hayward	HYWRCAO246T	4A/3	03/73	03/73	C	C	C	C	C
	Gardena 1	GRDNCAO221T	4A/3	05/73	05/73		C	C	C	C
	Oakland 5 (Franklin)	OKLDCAO342T	4A/3	06/73	06/73	C,T	C	C	C	C
	Reno 3, Nev.	RENONVO304T	4A/2	05/73	05/73	T	C	C	C	C
SNE	New Haven 4	NWHNCTO203T	4A/2	05/68	05/71	T	L	L	L	L
	Hartford 3	HRFRCTO304T	4A/3	10/73	10/73	C,T	L	L	L	L
CINN	Cincinnati 0	CNCNOHWS04T	4A/2	09/52	04/72	C,T	L	L	L	L
CAN.	Montreal 1	MTRLPQ0201T	4A/1	05/56	07/72	C	C	C	C	C
	Toronto 1	TOROONO101T	4A/2	06/55		C	C	C	C	C
	Toronto 3	TOROON1103T	4A/4	11/72	11/72	C	C	C	C	C
	Ottawa 2	OTWAON1002T	4A/3	04/73	04/73	C	C	C	C	C
NON-BELL	Clearwater, Fla.	CLWRFLXA02T	4A/4	11/72	11/72	C				
	Ft. Wayne, Ind.	FTWYINXA04T	4A/4							
	Halifax 1, N.S.	HLPXNSO101T	4A/3			C				
	Saskatoon, Sask.	SKTNSKO102T	4A/3			C				
	St. Petersburg, Fla.	SPBGFLXA02T	4A/4							
	Tampa, Fla.	TAMPFLXA02T	4A/3		02/74	C,T				
	Vancouver 2, B.C.	VANCB0104T	4A/2		04/71	C				
	Winnipeg, Man.	WNPGB0101T	4A/2			C				
	Fayetteville, NC.C	FYVLNCXA02T	4A/3	05/72	05/72					
	Honolulu, Haw.	HNLLH1ZA01T	4A/3	01/72	01/72	C				
	Everett 1, Wash.	EVRTWAXA01T	4A/3	04/72	04/72	C				
	Las Vegas 1, Nev.	LSVGNVXB04T	4A/4	11/72	11/72	C				
	Edmonton, Alb.	EDTNABO201T	4A/3	03/72	03/72	C				

* 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 1973

CO.	LOCATION	CLLI	SERVICE DATE	CLASS	TSP(T) TSP(S)	CAMA	ANI	6-DIGIT TRANSLATION
NE	Bangor, Me.	BNGRMEST01T	10/69	4		X		
	Boston (Dorchester)	DRCHMAAD10T	01/64	4		X	X	X
	(Harrison)	BSTNMAHA15T	06/65	4	T	X	X	X
	(Metro)	BSTNMAFR03T	06/49	4	T,S			
	(Malden)	MLDNMAEL13T	12/67	4				X
	(Newton)	NWLNMAWA04T	06/55	4				
	Brockton 1, Mass	BRINMACRO1T	06/63	4		X		X
	Fall River, Mass	FLRVMANM01T	05/64	3		X	X	X
	Framingham 1, Mass (+)	FRMNMAUN01T	01/65	4		X	X	X
	Lawrence, Mass.	LWRNMAC001T	11/60	3	S	X	X	X
	Manchester, N.H. 1 (∅)	MNCHNHCO01T	06/63	3		X	X	X
	Portland, Me.	PTLDMEFO01T	04/62	3		X	X	X
	Providence 2 (*), R.I.	PRVDRIWA02T	09/56	4C		X	X	X
	Providence (*), R.I.	PRVDRIWA01T	03/49	4C				
	White River Jct., Vt.	WRJTVTGA01T	11/61	3		X		X
	Worcester, Mass.	WRCSMACE01T	11/59	4		X	X	X
	Lewiston 2, Me.	LSTNMEAS02T	06/72	4		X		
	Boston 17, Mass. (#)	BSTNMAFR17T	10/72	3		X		
	Boston CAMA, Mass. (#)	BSTNMAFR05T	04/57	4		X		
	Framingham, Mass. (+)	FRMNMAUN02T	10/72	4				
Manchester 2, N.H. (∅)	MNCHNHCO02T	05/73	3		X		X	
NY	Albany 1	ALBYNYSS03T	12/61	3C	S	X	X	X
	Binghamton 1 (*)	BNGHNYHY03T	06/59	3		X	X	X
	Buffalo Erie	BFLONYFR01T	10/48	Lcl.				
	Buffalo Frontier		11/61	Lcl.				
	Rochester 1 (Non-Bell)	ROCHNYXA01T	03/58	4		X		X
	Rochester 2 (Non-Bell)	ROCHNYXA01T	04/69	4		X	X	X
	Utica	UTICNYUT01T	10/63	4		X	X	X
	Binghamton 2 (*)	BNGHNYHY04T	10/72	3		X		
	Amsterdam 1 (#)	NYCMNY3701T	08/48	Lcl.				
	Amsterdam 2 (#)	NYCMNY3702T	11/59	4				X

Notes

A
A

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NY (Cont'd)	Midtown 1 (#)	A	NYCMNY3703T	09/62	4				X
	Midtown 2 (3)	A	NYCMNY3704T	09/64	4				X
	Borough 3 (*)	B	NYCMNY5003T	10/52	3				
	Borough 4 (*)	B	NYCMNY5004T	04/55	3				
	City (#)	C		09/46	Lcl.				
	Gotham 8 (#)	C	NYCMNY1308T	06/48	4				
	Gotham 9 (#)	C	NYCMNY1309T	06/50	4				
	Interzone (#)	C		10/41	Lcl.				
	Chelsea 1 (*)	D		08/69	4C				X
	Chelsea 2 (*)	D		08/69	4C				X
	Connecticut	E	NYCMNY9701T	07/52	3				
	Lexington	F	NYCMNY5602T	06/68	4C				X
	Tenth Ave. 1 (#)	G	NYCMNY5401T	12/63	4				X
	Tenth Ave. 2 (#)	G	NYCMNY5402T	08/65	3		T	X	X
	Tenth Ave. 3 (#)	G	NYCMNY5403T	10/67	3			X	X
	Vesey 1 (*)	H	NYCMNYWS01T	10/49	4				X
	Vesey 2 (*)	H	NYCMNYWS02T	09/50	4				X
	Vesey 3 (*)	H	NYCMNYWS03T	09/54	4				X
	West St. 4 (*)	H	NYCMNYWS04T	09/59	3			X	X
	West St. 5 (*)	H	NYCMNYWS05T	10/63	3		T	X	X
	York 1 (#)	I		11/47	Lcl.				
	York 2 (#)	I		10/51	Lcl.				
	E-97th St. 4 DID	E	NYCMNY9702T	07/71	4				
	West St. 6 (*)	H	NYCMNYWS06T	10/72	4			X	
	Bronx 1 (*)	R	NYCXNYGC01T	02/60	3C			X	X
	Bronx 2 (*)	R	NYCXNYGC02T	07/64	3C		T	X	X
	Tremont 1 (*)	R	NYCXNYGC03T	07/63	4C				X
	Tremont 2 (*)	R	NYCXNYGC04T	11/65	4C				X
	Mt. Kisco		MTKSNYMK01T	03/58	3C			X	X
	Mt. Vernon 1 (#)		MTVRNYMV01T	10/49	4C				
	Mt. Vernon 2 (#)		MTVRNYMV01T	12/68	Lcl.				X
	White Plains 1		WHPLNYWP01T	03/50	4C				
	Nyack		NYACNYNK01T	05/59	3C			X	X
	Monticello		MNTINYMT01T	03/65	4		T	X	X
Poughkeepsie		PGHKNYSH03T	11/56	3			X	X	

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NY (Cont'd)	Albermarle Rd. 2 (*)	<u>Notes</u> J	NYCKNYAL02T	02/59	3C		X	X	X
	Albermarle Rd. 3 (*)	J	NYCKNYAL03T	11/66	3C	T	X	X	X
	Brooklyn (*)	J	NYCKNYAL01T	09/48	4C				
	Bushwick 1 (#)	K	NYCKNYBU01T	09/63	4C				X
	Bushwick 2 (#)	K	NYCKNYBU02T	03/67	4C				X
	Kings 1 (*)	L	NYCKNYBR01T	08/64	4C				X
	Kings 2 (*)	L	NYCKNYBR02T	11/68	4C				X
	Forest Hills 1 (#)	M	NYCQNYFH01T	11/59	3C		X	X	X
	Forest Hills 2 (#)	M	NYCQNYFH02T	03/64	3C	T	X	X	X
	Jamaica	N		08/47	Lcl.				
	Richmond Hill 1 (*)	O	NYCQNYRH01T	03/54	4C				
	Richmond Hill 2 (*)	O	NYCQNYRH02T	07/58	4C				
	Queens 1 (#)	P	NYCQNYNJ01T	08/65	4C				X
	Queens 2 (#)	P	NYCQNYNJ02T	12/70	4				X
	Staten Island	Q	NYCRNYNS01T	01/67	4C				X
	Hempstead 1 (*)		HMPSNYHSC1T	07/50	4C				X
	Hempstead 2 (*)		HMPSNYHSC1T	06/57	4C	T			X
	Hempstead 3 (*)		HMPSNYHS03T	08/64	3C		X	X	X
	Hempstead 4 (*)		HMPSNYHS04T	08/66	3C				X
	Deer Park 1		DRPKNYDP01T	11/65	4C				X
Deer Park 2		DRPKNYDP01T	07/71	4C					
NJ	Asbury Park		ASPKNJAP01T	02/66	4				X
	Atlantic City		ATCYNJAC01T	04/61	3		X	X	X
	Camden		CMDNNJCM01T	03/53	4	T	X	X	X
	Hackensack		HCKNNJHK01T	06/53	4		X	X	X
	Jersey City (Bergen)			01/55	4		X	X	
	Morristown		MRTWNJMR01T	01/55	3	S	X	X	X
	Newark (Essex 1) (#)		IVTNNJES01T	11/57	3				
	(Essex 2) (#)		IVTNNJES02T	03/61	3		X	X	X
	(Jersey 1) (*)		NWRKNJO203T	10/47	4				
	(Jersey 2) (*)		NWRKNJO204T	11/52	4		X	X	
(TSP Tandem) (*)		NWRKNJO206T	07/65	4	T	X	X	X	

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NJ (Cont'd)	New Brunswick 1	NBWKJNB01T	06/57	4		X	X	X
	Paterson	PTSNNJAR01T	07/50	4		X	X	X
	Trenton	TRENNJTN01T	03/57	3		X	X	X
	Clinton (Non-Bell)	CLTNNJX501T		4		X		
PA	Allentown	ALTWPAAL21T	10/61	4		X	X	X
	Altoona	ALNAPAAL21T	11/57	3		X	X	X
	Greensburg	GNBGPAGR21T	08/59	4		X	X	X
	Lancaster	LNCSPALA21T	05/62	4		X	X	X
	Phila. (East A) (#)	PHLAPAMK21T	03/53	3	S	X	X	
	(East B) (#)	PHLAPAMK22T	06/60	3		X	X	X
	(North A) (*)	PHLAPADA21T	08/55	4		X	X	
	(North B) (*)	PHLAPADA22T	10/64	3	T	X	X	X
	(West)	PHLAPASH21T	08/55	3		X	X	X
	Pitts. (Tandem A) (#)	PITBPADT21T	04/55	4			X	
	(Tandem B) (#)	PITBPADT22T	08/57	4		X	X	X
	Reading	RDNGPARE21T	11/59	4		X	X	X
	Tullytown	TULYPATU21T	3/59	4		X	X	X
	Wilkes-Barre	WLBPRPAWB21T	11/62	4		X	X	X
	Williamsport	WLPTPAWI21T	5/61	3		X	X	X
	Wilmington, Del.	WLMGDEWL21T	3/59	3		S	X	X
	Carlisle (Non-Bell)	CRLSPAXC19T		4				
C&P	Arlington, Va. (Local)		09/51	Lcl.				X
	Arlington 1, Va. (Toll)	ARTNVAAR02T	03/66	4				X
	Baltimore 3, Md.	BLTMMDDT03T	10/48	4C		X	X	X
	Baltimore 7, Md.		12/67	Lcl.				X
	Clarksburg, W. Va.	CLBGWVMA23T	10/64	3		X	X	X
	Norfolk 1, Va.	NRFLVABS01T	10/61	4		X	X	X
	Roanoke, Va.	RONKVALK01T	05/57	3		X	X	X
	Silver Spring, Md. (Local)		09/51	Lcl.				X
	(Toll)	SLSPMDSS01T	05/64	4		X	X	X

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C&P (Cont'd)	Wash., D.C. (Dupont)		11/64	Lcl.				X
	(Uptown)		01/49	4		X	X	X
	(Mt. Pleasant)		10/66	Lcl.				X
	Baltimore 6, Md.		01/63	Lcl.				X
	Hyattsville		10/51	Lcl.				X
SO	Asheville, N.C.	AHVLNCOH01T	06/66	3		X		X
	Atlanta 2, Ga.	ATLNGATL53T	10/60	4		X	X	X
	Atlanta-Decatur, Ga.		09/64	Lcl.				
	Charleston, S.C.	CHTNSCDT02T	04/66	4	S	X	X	X
	Ft. Lauderdale, Fla.	FTLDFLMA01T	12/64	4	S	X	X	X
	Greenville, S.C.	GNVLSCDT02T	08/60	3		X	X	X
	Macon, Ga.	MACNGAMT01T	08/67	3		X	X	X
	Miami 3, Fla.	MIAMFLLR03T	09/59	4		X	X	X
	West Palm Beach, Fla.	WPBHFLAN01T	11/66	4		X		X
	Miami-Biscayne, Fla.		07/72	Lcl.				
SOCN	Chattanooga, Tenn.	CHTGTNMA61T	09/57	3	S	X		X
	Lafayette, La.	LFYTLAMA01T	11/60	3		X	X	X
	Mobile, Ala.	MOBLALMT66T	05/65	3		X	X	X
	Montgomery, Ala.	MTGMALMT66T	07/62	3		X	X	X
	New Orleans 2, La.	NWORLABM01T	12/62	4		X	X	X
	Paducah, Ky.	PDCHKYMA02T	05/60	3		X	X	X
	Shreveport, La.	SHPTLATL02T	09/61	3		X	X	X
OHIO	Akron 1	AKRNOH2501T	11/57	4		X	X	X
	Canton	CNTNOH0101T	06/60	3		X	X	X
	Clev. (Clearwater 1)	CLEVOH2501T	01/59	3C	T	X	X	X
	(Clearwater 2)	CLEVOH2502T	07/69	Lcl.				
	(Garfield)	CLEVOH4201T	02/55	3		X	X	X
	(Henderson 1)		04/48	Lcl.				
	(Henderson 2)		09/66	Lcl.				

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OHIO (Cont'd)	Columbus 1	CLMBOH1101T	07/58	4C		X		
	Youngstown	YNTWOHO201T	08/56	3	S	X	X	X
	Warren 2 (Non-Bell)	WRRNOHXA01T		4		X		
	Lebanon (Non-Bell)	LBNNOHXA01T		4		X		
MICH	Detroit (Bell)*		05/48	Lcl.				
	(Cadillac)*	DTRTMIBAL1T	07/58	4C		X	X	X
	(Trinity)		10/41	Lcl.				
	(University)	DTRTMIUVO1T	06/59	3				X
	(Woodward)*	DTRTMIBA21T	12/53	4C		X	X	X
	Flint	FLNTMIMN01T	06/57	4		X	X	X
	Grand Rapids 2	GDRPMIBL01T	04/57	3		X	X	X
	Jackson	JCSNMIMN01T	07/67	3		X	X	X
	Kalamazoo	KLMZMIMN01T	11/65	3		X	X	X
	Lansing	LNNGMIMN01T	08/64	4		X	X	X
	Pontiac	PNTCMIMN01T	04/58	4		X	X	X
	Saginaw	SGNWMIMN01T	06/61	3		X	X	X
	Traverse City	TRCYMIMN01T	06/73	4		X	X	X
IND	Evansville	EVVLIN0101T	10/58	3		X	X	X
	Indianapolis		10/70	Lcl.				X
	South Bend 2	SBNDIN0101T	08/56	3	S	X	X	X
WISC	Appleton 1	APPLWI0101T	05/62	3		X	X	X
	Madison 1	MDSNWI0101T	05/63	2		X	X	X
	Milwaukee 2	MILWWI4801T	11/48	3		X	X	X
	(Fairway Dr.)		11/65	Lcl.				
	Racine	RACNWI0101T	05/65	3		X	X	X

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ILL	Centralia	CENLILCE01T	07/61	2		X	X	X
	Chicago (Bell Plaine 1) (#)	CHCGILBP01T	08/54	Lcl.				
	(Bell Plaine 2) (#)	CHCGILBP02T	12/61	Lcl.				
	(Congress)		09/62	Lcl.				
	(Franklin 1) (*)		07/55	Lcl.				
	(Franklin 2) (*)		05/59	Lcl.				
	(Kedzie 1) (#)	CHCGILKE01T	10/58	4				
	(Kedzie 2) (#)	CHCGILKE02T	07/69	4				
	(Stewart 1)	CHCGILST01T	11/52	4				
	(Stewart 2)	CHCGILST02T	10/66	4				
	(Wabash 1) (*)	CHCGILWB01T	09/46	Lcl.				
	(Wabash 2) (*)	CHCGILWB02T	05/61	4				
	(Morton Grove)		09/67	Lcl.				
	Chicago 5	CHCGILHK01T	07/69	3		X		
	Decatur	DCTRILDC01T	12/68	4		X	X	X
	Peoria 1	PEORILPJ01T	09/61	4		X	X	X
	Rockford	RCFRILRT01T	12/61	3C		X	X	X
	Alton	ALTNILAT01T	12/72	4		X	X	X
	DeKalb (Non-Bell)	DKLBILXA01T	03/71	4		X	X	X
	Champaign 2	CHMPILCP01T	06/59	4		X	X	X
Rock Island 2	RCISILRI01T	10/73	4		X	X	X	
NW	Bismarck 1, N.D.	BSMRNDBC04T	04/70	3		X		X
	Cedar Rapids, Ia.	CDRRIADT03T	12/66	4		X	X	X
	Davenport, Ia.	DVNPIADT03T	10/58	3		X	X	X
	Fargo, N.D.	FARGNDBC04T	04/59	2		X	X	X
	Grand Island, Neb.	GDISNENW03T	05/70	3		X	X	X
	Omaha, Neb.		02/69	Lcl.				
	Rapid City, S.D.	RPCYSDC003T	03/70	4		X	X	X
	Sioux City, Ia.	SXCYIADT03T	06/60	3		T X	X	X
	Sioux Falls, S.D.	SXFLSDC003T	11/58	3		S X	X	X
	Waterloo, Ia.	WTRLIADT03T	06/61	3		X	X	X
Grand Forks, N.D.	GDFRNDBC04T	10/73	3		X		X	

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SW	Abilene, Tex.	ABLNTXOR01T	04/69	3		X	X	X	
	Amarillo, Tex.	AMRLTXDR01T	08/55	2		X	X	X	
	Austin, Tex.	AUSTTXGR01T	07/66	3		X	X	X	
	Beaumont, Tex.	BUMPTXTE01T	05/66	3		T	X	X	
	Ft. Smith, Ark.	FTSMARSU01T	11/66	4		X	X	X	
	Harlingen, Tex.	HRLNTXHG01T	08/71	3		X	X	X	
	Joplin, Mo.	JPLNMOMA01T	06/62	3		X	X	X	
	Kansas City, Mo.		09/49	Lcl.					
	Lubbock, Tex.	LBCKTXPS01T	07/57	3		X	X	X	
	St. Louis, Mo. (Jefferson 1)# (Jefferson 2)# (Chestnut 1)		STLSM00511T	08/49	Lcl.				
			STLSM00521T	04/61	4C		X	X	X
			STLSM00101T	09/66	4C	T	X	X	X
	Salina, Kan.	SALNKSTA01T	09/56	3		X	X	X	
	Springfield, Mo.	SPFDMOTL01T	12/64	4		T	X	X	
	Sikeston, Mo.	SKSTMOGR01T	11/68	3		X	X		
	St. Joseph, Mo.	STJSMODN01T	06/70	4		X	X		
	Sweetwater, Tex.	SWTWTXSW01T	03/57	2				X	
	Waco, Tex.	WACOTX0101T	12/67	3		X	X	X	
	Kerrville, Tex. (Non-Bell)	KRVLTXXA01T		4		X			
	Hull, Tex. (Non-Bell)	HULLTXXA06T		4		X			
	Whitney, Tex. (Non-Bell)	WHYTYTXXA06T		4		X			
Andrews, Tex. (Non-Bell)	ANDRTXXA06T		4		X				
MTN	Billings, Mont.	BLNGMTMA01T	11/61	2		X	X	X	
	Boise, Idaho	BOISIDMA01T	12/62	3		X	X	X	
	Denver 2, Colo.	DNVRCOMA02T	04/60	4		S	X	X	
	El Paso, Tex.	ELPSTXMA01T	08/62	4		X	X	X	
	Phoenix 2, Ariz.	PHNXAZMA02T	12/56	4		X	X	X	
	Tucson, Ariz.	TCSNAZMA01T	11/61	3		X	X	X	
	Grand Jct., Colo.	GDJTCOMA01T	03/68	3		X		X	

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CO.	LOCATION	CLLI	SERVICE DATE	CLASS	TSP(T) TSPS(S)	CAMA	ANI	6-DIGIT TRANSLATION
PNB	Eugene, Ore.	EUGNOR5301T	06/65	4		X	X	X
	Seattle (East), Wash. (Emerson)		09/54	Lcl.				
	(Mutual)		10/58	Lcl.				
	Tacoma, Wash.	STTLWA0103T	04/48	3				
	Yakima, Wash.	TACMWA0201T	05/64	3		X	X	X
	Sunnyside, Wash. (Non-Bell)	YAKMWA0201T	08/58	3		X	X	X
		SNSDWAXX01T			4		X	
PAC	Alhambra, Cal.		09/57	Lcl.				
	Anaheim, Cal.	ANHMCA0134T	06/57	3	S	X	X	X
	Bakersfield, Cal.	BKFDCA0130T	04/58	3		X	X	X
	Compton, Cal.	CMTNCA0114T	12/58	3				X
	Concord, Cal.	CNCRCA0100T	05/67	3		X	X	X
	El Monte, Cal.	ELMNCA0116T	03/40	3				X
	Eureka, Cal.	EURKCA0131T	01/59	4		X		X
	Fresno 1, Cal.	FRSNCA0126T	10/56	4		X	X	X
	Hollywood 3T#, Cal.		01/50	Lcl.				
	Hollywood 4T#, Cal.		10/68	Lcl.				
	Los Angeles 5T, Cal.		01/48	Lcl.				
	Los Angeles 6T, Cal.		08/55	Lcl.				
	Los Angeles 17T*, Cal.		11/49	Lcl.				
	Los Angeles 18T*, Cal.		05/67	Lcl.				
	Modesto, Cal.	MDSTCA0233T	06/62	3		X	X	X
	Oakland 4 (Franklin)#	OKLDCA0301T	04/54	4C		X	X	X
	Oakland 1, Cal.		01/42	Lcl.				
	Oakland 1 (Franklin)#		05/63	Lcl.		X	X	X
	Oceanside, Cal.	OCSDCA0127T	05/63	4		X	X	X
	Palo Alto, Cal.	PLALCA0216T	07/60	4C		X	X	X
	Reno 2, Nev.	RENONVO200T	01/60	3		X	X	X
	Sacramento 2, Cal.	SCRMCA0124T	07/58	3		X	X	X
	Salinas, Cal.	SLNSCA0111T	04/64	3		X	X	X
	San Diego 2, Cal.	SNDGCA0245T	04/56	3		X	X	X

2/1960

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 1973

CO.	LOCATION	CLLI	SERVICE DATE	CLASS	TSP(T) TSPS(S)	CAMA	ANI	6-DIGIT TRANS- LATION
PAC (Cont'd)	San Francisco (Onon 0)#	SNFCCA0600T	01/56	4				X
	(Bush 0)*	SNFCCA0300T	12/41	Lcl.				X
	(Bush 1)*	SNFCCA0301T	06/49	Lcl.		X	X	X
	San Francisco 5 (Mission)	SNFCCA0500T	05/65	4C	T	X	X	X
	San Francisco 6 (Opon 1)#	SNFCCA0601T	01/56	4C	T	X	X	X
	San Jose 2, Cal.	SNJSCA0212T	03/52	3		X	X	X
	San Rafael, Cal.	SNRFCA0100T	09/62	3		X	X	X
	Santa Rosa, Cal.	SNRSCA0129T	06/57	3		X	X	X
	Sherman Oaks 1, Cal.		12/58	Lcl.				
	Stockton 1, Cal.	SKTNCA0128T	08/57	2		X	X	X
	Redding, Cal.	RDNGCA0203T	01/72	3		X	X	X
	Chico, Cal.	CHICCA0105T	12/62	3		X	X	X
	SNE	Bridgeport, Conn.	BRPTCT0202T	03/59	4	S	X	X
Hartford 1, Conn.		HRFRCT0203T	06/56	4		X	X	X
Hartford 2, Conn.		HRFRCT0202T	08/65	4	T	X	X	X
Meriden, Conn.		MRDNCT0002T	10/58	4		X	X	X
New Haven, 2, Conn.		NWHNCT0201T	04/57	4		X	X	X
New London, Conn.		NWLNCT0201T	05/62	4		X	X	X
Norwalk, Conn.		NRWLCT0201T	12/70	4	S	X	X	X
Stamford, Conn.		SMFRCT0101T	09/56	4		X	X	X
Waterbury, Conn.		WTRBCT0002T	11/57	4		X	X	X
CINN	Cincinnati	CNCNOHWS01T	10/49	4C	S	X	X	X
	(St. Bernard)		05/63	Lcl.				X

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CROSSBAR TANDEM IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	SERVICE DATE	CLASS	TSP(T) TSP(S)	CAMA	ANI	6-DIGIT TRANS- LATION
CAN. (Bell)	Barrie, Ont.	BARION1801T	05/64	4		X	X	X
	Hamilton, Ont.	HMTNON1401T	02/61	4		X	X	X
	Kitchener, Ont.	KITNRO0601T	09/64	4		X	X	X
	London, Ont.	LONDON4801T	08/60	3		X	X	X
	Montreal 2, Que.	MTRLPQ0102T	03/60	4		X	X	X
	Ottawa 1, Ont.	OTWAON2301T	05/63	3		X	X	X
	Quebec, Que.	QUBCPQ1401T	09/63	3		X	X	X
	Sherbrooke, Que.	SHBK PQ4001T	03/66	3		X	X	X
	Sudbury, Ont.	SDBRON9701T	12/64	3		X	X	X
	Toronto, 2, Ont.	TOROON0202T	08/58	4		X	X	X
Windsor, Ont.	WNDSO N1201T	05/62	4		X	X	X	
CAN. (Non- Bell)	Calgary, Alba.	CLGRAB0101T	04/59	2		X	X	X
	Regina, Sask.	REGNSK0101T	11/55	1		X		X
	Saint John, N.B.	STJHNB0001T	05/62	2		X	X	X
	Prince George, B.C.	PGRGBC0101T	05/73	3		X	X	
	St. Stephen, N.B.	SSTNNBC0001T		4		X	X	X

Note: Location of New York City XBT Systems:

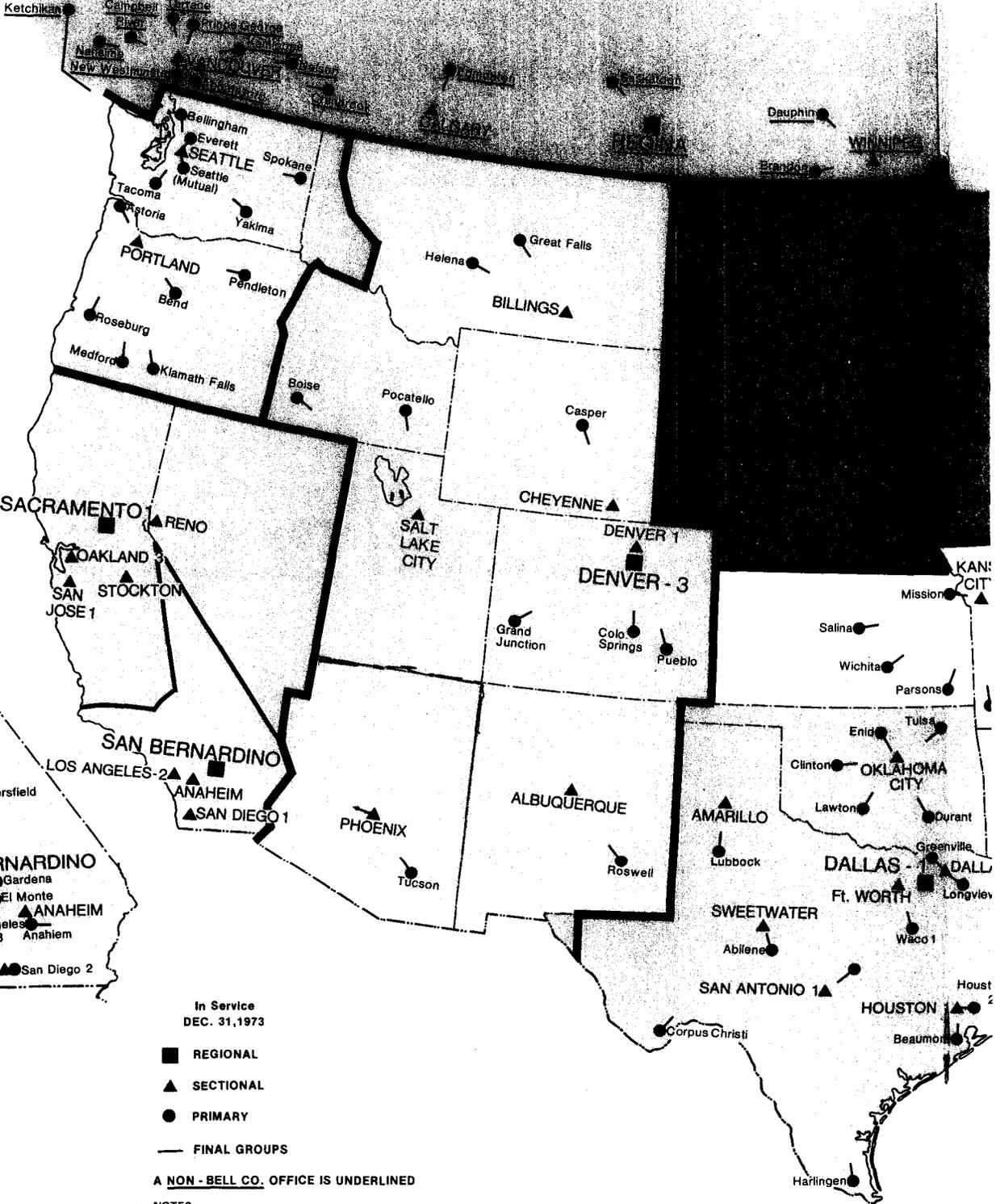
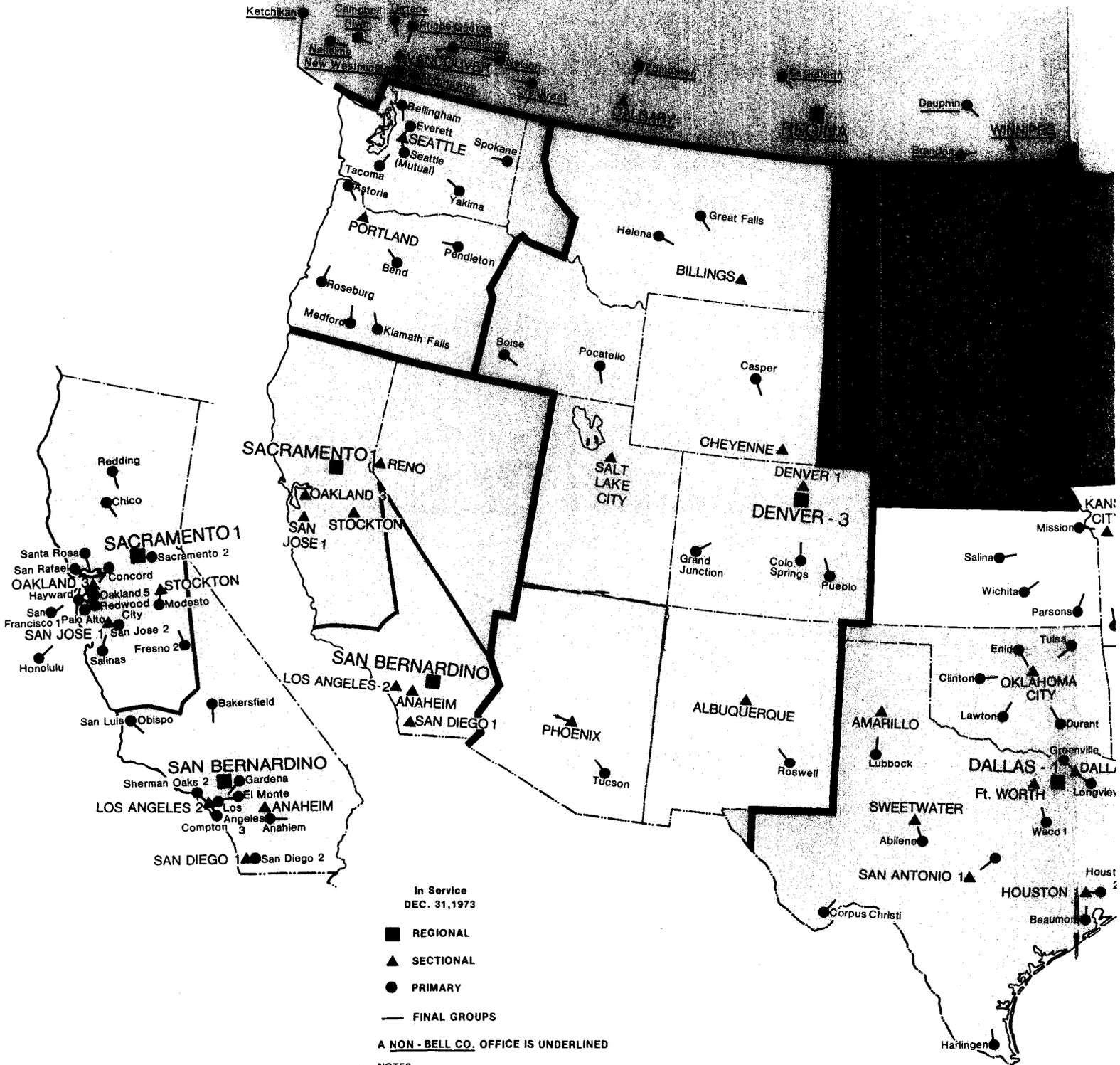
A.	221 E 37 St., Manhattan	J.	Albemarle Rd., Brooklyn
B.	435 W 50 St., Manhattan	K.	Bushwick Ave., Brooklyn
C.	204 Second Ave., Manhattan	L.	Bridge St., Brooklyn
D.	210 W 18 St., Manhattan	M.	107-15 70th Rd., Queens
E.	151 E 97 St., Manhattan	N.	89-63 163rd St., Queens
F.	228 E 56 St., Manhattan	O.	87-28 190th St., Queens
G.	811 Tenth Ave., Manhattan	P.	71-40 164th St., Queens
H.	140 West St., Manhattan	Q.	355 Forest Ave., Staten Island
I.	227 E 20 St., Manhattan	R.	1775 Grand Concourse, Bronx

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DISTANCE DIALING NETV

(INCLUDING REGIONAL AREAS)



NO. 5 CROSSBAR CLASS 3 OFFICES
IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	SERVICE DATE	TYPE* MKR.	CAMA	ANI
NY	Plattsburgh	PLBGNYPB03T	1959	W	X	
PA	Warren	WRRNPAWA51T	1959	W		
	West Chester	WCHSPAWC51T	1956	B	X	
C&P	Wheeling, W. Va.	WINGWVCP25T	1956	W	X	
SO	ChIPLEY, Fla.	CHPLFLMA01T	1956	W	X	
	Laurinburg, N.C.	LRBGNCMA01T	1957	W	X	
	Thomasville, Ga.	THVLGAMA01T	1956	W	X	X
	Waycross, Ga.	WYCRGAMA01T	1957	W	X	X
SOCN	Danville, Ky.	DAVLKYMA05T	1960	W	X	
	Greenwood, Miss.	GNWDM SMA05T	1958	W	X	X
	Humboldt, Tenn.	HMBLTNMA51T	1957	W	X	
	Madisonville, Ky.	MDVIKYMA05T	1957	W	X	X
	Paintsville, Ky.	PNVLKYMA05T	1957	W	X	
	Tupelo, Miss.	TUPLMSMA05T	1956	W	X	X
	Winchester, Ky.	WNCHKYMA05T	1958	W	X	X
MICH	Escanaba	ESCNMIMN09T	1958	W		
	Petosky	PTSKMIMN19T	1972	W	X	
WISC	Oshkosh	OSHKWI0151T	1958	W	X	X
	Stevens Point	STPTWI0151T	1957	W	X	X
	Watertown	WTIWWI0151T	1970	W	X	X
NW	Mason City, Ia.	MSCYIATC05T	1957	W	X	X
	Owatonna, Minn.	OWTNMNOW05T	1961	W	X	X
	Sidney, Neb.	SDNYNENW05T	1969	W	X	X
	St. Cloud, Minn.	STCDMNLO05T	1955	B	X	X
	Virginia, Minn.	VRGNMNVIO5T	1956	F	X	X
	Wadena, Minn.	WADNMNWA05T	1958	W	X	X
	Willmar, Minn.	WILMRMNWIO5T	1954	F	X	X
	Windom, Minn.	WINDMMNWIO5T	1958	W	X	X

NO. 5 CROSSBAR CLASS 3 OFFICES
IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	SERVICE DATE	TYPE* MKR.	CAMA	ANI
SW	Clinton, Okla.	CLTNOKMA05T	1959	W	X	X
	Durant, Okla.	DRNTOKMA05T	1961	W	X	X
	Enid, Okla.	ENIDOKMA05T	1955	B	X	X
	Greenville, Texas	GNVLTGXGLO5T	1955	F	X	X
	Lawton, Okla.	LWTNOKMA05T	1956	B		
	Moberly, Mo.	MBRLMOAMO5T	1959	W	X	X
	Parsons, Kan.	PRSSKSWA05T	1961	W		
MTN	Casper, Wyo.	CSPRWYMA26T	1964	W	X	X
	Great Falls, Mont.	GRFLMTMA73T	1962	W	X	X
	Helena, Mont.	HLNAMTMA44T	1955	B	X	X
	Pocatello, Ida.	PCTLIDMA23T	1958	W	X	X
	Roswell, N.M.	RSWLNMMA62T	1955	B	X	
PNB	Astoria, Ore.	ASTROR6401T	1957	W	X	X
	Bellingham, Wash.	BLHMWA0101T	1958	W		
	Bend, Ore.	BENDOR2401T	1956	B	X	X
	Medford, Ore.	MDFDOR3301T	1962	W	X	X
	Pendleton, Ore.	PNTNOR5601T	1957	W	X	X
	Aberdeen, Wash.	ABRDWA0101T	1959	W	X	
PAC	San Luis Obispo, Cal.	SNLOCA0117T	1951	W	X	X
	Chicoutimi, Quebec	CCTMPQO301T	1959	W	X	
CAN (Bell)	North Bay, Ont.	NRBAONO401T	1959	W		
	Newcastle, N.B.	NWCSNB0002T	1959	W	X	X
CAN (Non-Bell)	Rimouski, Quebec	RMKIPQXA01T	1967	W	X	
	St. John's, NFLD.	STJHNF0101T	1966	W	X	X
	Val D'or, Quebec	VLDRPQXA01T				

* W - Wire Spring, F - Flat Spring, B - Both wire and flat spring markers

BELL SYSTEM NO. 5 CROSSBAR CLASS 4 OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA	
NE	Ayer, Mass.	AYERMAPLO1T	X		Oswego	OSWGNYOS01T	X	
	Gardner, Mass	GRNRMAWE01T	X		Potsdam	PTSDNYPS01T	X	
	Marlboro, Mass.	MRBOMAMA01T			Rome	ROMENYRM01T	X	
	Milford, Mass.	MLFRMAWA01T			Watertown	WTTWNYUN01T	X	
	Plymouth, Mass.	PLMOMACOO1T			Peekskill	PKSKNYPS01T		
	Salem, Mass.	SALMMANOO1T	X		Riverhead	RVHDNYRV01T		
	Walpole, Mass.	WLPLMASS01T	X		Southhampton	SATNNYSNO1T		
	Falmouth, Mass.	FLMOMAMGC1T						
	Hyannis, Mass.	HYNSMAOCO1T	X					
	Wareham, Mass.	WAHMMAH101T			NJ	Penns Grove	PGRVNJPG01T	
	Northampton, Mass.	NATNMAMA01T				Vineland	VNLDNJVL01T	
	Pittsfield 2, Mass.	PTTFDMAFEO2T				Woodbury	WDBYNJWB01T	
	Newport, R.I.	NWPTRIBU01T				Burlington	BURLNJBU01T	
	Woonsocket, R.I.	WNSCRICLO1T				Mt. Holly	MTHLNMJMHO1T	X
	Portsmouth, N.H.	PTMONHISO1T				Dover (Orig. only)	DOVRNJDO01T	
	Dover, N.H.	DOVRNHTHO1T	X			Washington	WASHNJWA01T	
	Keene, N.H.	KEENNHWA01T	X			Red Bank	RDBKNJRB01T	
	Laconia, N.H.	LACNNHNM01T	X			Freehold	FRHDNJFH01T	X
	Burlington 2, Vt.	BURLVTMAO2T	X					
	NY	Kingston	KGTTNNYKG01T		X	PA	Coatesville	CTVLPACV51T
Newburgh		NWBRNYNW01T	X	Kennet Square	KNSQPAKS51T			
Amsterdam		AMSTNYAMO1T		Lansdale	LNDLPALD51T		X	
Catskill		CTSKNYCTO1T	X	Norristown	NRTWPANT51T		X	
Troy		TROYNYO401T		Pottstown	PTTWPAPT51T		X	
Malone		MALNNYMM01T		Warrington	WGTNPAWR51T		X	
Saranac Lake		SRLKNYQLO1T	X	Stroudsburg	SRBGPAST51T		X	
Hornell		HRNLNYHLO1T	X	Bloomsburg	BMBGPABL51T		X	
Ithaca		ITHCNYIH01T	X	Du Bois	DUBSPADU51T		X	
Oneonta		ONNTNYOAO1T	X	Connellsville	CNVLPACO51T			
Batavia		BATVNYBT01T	X	Rochester	ROCHPARC51T			
Dunkirk		DNKRNYDK01T	X	Clarion	CLRAPACL51T	X		
Olean		OLENNYHA01T	X	Sharon	SHRNPAASH51T	X		
Geneva		GENVNYGN01T	X	Pottsville	PTTVPAP051T	X		
Herkimer		HRKMNYHC01T	X	Washington	WASHPAWA51T			
Newark		NWRKNYNK01T	X	Dover, Del.	DOVRDEDV51T	X		
Ogdensburg		OGBGNYOG01T						
Oneida		ONEDNYODO1T	X	C&P	Bel Air, Md.	BLARMDBL01T		

BELL SYSTEM NO. 5 CROSSBAR CLASS 4 OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA	
C&P (Cont'd)	Cambridge, Md.	CMBRMDCM01T		SOCN	Salisbury, N.C.	SLBRNCMA01T		
	Chestertown, Md.	CHRTMDCM01T	X		Goldsboro, N.C.	GLBRNCMA01T		
	Cumberland, Md.	CMLDMDCM01T	X		Orangeburg, S.C.	ORBGSCMA01T	X	
	Easton, Md.	ESTNMDES01T	X		De Land, Fla.	DELDFLMA01T	X	
	Hagerstown, Md.	HGTWMDHG01T	X		Lake City, Fla.	LKCYFLMA01T		
	Havre de Grace, Md.	HDGRMDHV01T	X		Homestead, Fla.	HMSTFLHM01T		
	Westminster, Md.	WNNSMDWM01T	X		Cocoa, Fla.	COCOFLMA01T		
	Danville, Va.	DAVLVADA01T	X		Fort Pierce, Fla.	FTPRFLMA01T	X	
	Fredericksburg, Va.	FRBGVAFB01T	X		Melbourne, Fla.	MLBRFLMA01T	X	
	Petersburg, Va.	PTBGVAPB01T			Sanford, Fla.	SNFRFLMA01T	X	
	Norton, Va.	NRTNVAN001T	X		Titusville, Fla.	TTVLFLMA01T		
	Leesburg, Va.	LSBGVALB01T	X					
	Winchester, Va.	WNCHVAWC01T	X					
	Elkins, W. Va.	EKNSWVDV25T				Decatur, Ala.	DCTRALMT61T	X
	Fairmont, W. Va.	FAMTWVMN25T	X			Huntsville, Ala.	HNVIALMT61T	X
	New Martinsville, W.V.	NWMRWVWZ25T				Sheffield, Ala.	SHFDALMT61T	X
	Weirton, W. Va.	WRTNWVDW25T	X			Tuscaloosa, Ala.	TSCLALMT61T	X
	Lewisburg, W. Va.	LWBGWVMW25T	X			Selma, Ala.	SELMALMT61T	X
	Logan, W. Va.	LOGNWVHC25T	X			Crowley, La.	CRWYLAMA01T	
	Williamson, W. Va.	WMSNWVLG25T				Minden, La.	MINDLAMA01T	
	Frederick, Md.	FRDRMDFR01T	X			Monroe, La.	MONRLAMA01T	X
	La Plata, Md.	LPLTMDLA01T	X			Ruston, La.	RSTNLAMA01T	X
	Annapolis, Md.	ANNPMDAN01T	X			Covington, La.	CVTNLAMA01T	X
	Culpeper, Va.	CLPPVACU01T	X			Hammond, La.	HMNDLAMA01T	X
	Onancock, Va.	ONNCVAON01T	X			Houma, La.	HOURLAMA01T	
SO	Cordele, Ga.	CORDGAMA01T		Gulfport, Miss.	GLPTMSTS05T	X		
	Dublin, Ga.	DBLNGAMA01T	X	Columbus, Miss.	CLMBMSMA05T	X		
	Millen, Ga.	MLLNGAMA01T	X	Biloxi, Miss.	BILXMSMA05T	X		
	Bainbridge, Ga.	BNBRGAMA01T	X	McComb, Miss.	MCCMMSMA05T	X		
	Valdosta, Ga.	VLDSGAMA01T	X	Grenada, Miss.	GRNDMSMA05T	X		
	Albany, Ga.	ALBYGAMA01T	X	Columbia, Tenn.	CLMATNMA51T	X		
	Brunswick, Ga.	BRWKGAMA01T		Lebanon, Tenn.	LBNNTNMA51T			
	Cartersville, Ga.	CRVLGAMA01T	X	Shelbyville, Tenn.	SHVLTNMA51T	X		
	Griffin, Ga.	GRFNGAMA01T	X	Athens, Tenn.	ATHNTNMA51T			
	Newnan, G.A.	NWNGAMA01T		Harriman, Tenn.	HIMNTNMA51T	X		
	Morganton, N.C.	MGTNNCGR01T		Morristown, Tenn.	MRTWTNMA51T	X		
	Newton, N.C.	NWTNNCMA01T		Dyersburg, Tenn.	DYBGTNMA51T	X		
				Union City, Tenn.	UNCYTNMA51T			

BELL SYSTEM NO. 5 CROSSBAR CLASS 4 OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA	
SOCN (Cont'd)	Jackson, Tenn.	JCSNTNMA51T		WISC	Vincennes	VINCIN0105T	X	
	Middlesboro, Ky.	MDBOKYMA05T	X		Auburn	AUBNIN0105T	X	
	Owensboro, Ky.	OWBOKYMA05T	X		Huntington	HNTNIN0105T	X	
	Frankfort, Ky.	FRFTKYMA05T	X		Berlin	BRLNWI0105T		
	Shelbyville, Ky.	SHVLKYMA05T	X		Fond du Lac	FDULWI0151T	X	
	Mayfield, Ky.	MYFDKYMA05T						
	Jasper, Ala.	JSPRALMT61T	X					
	Gadsden, Ala.	GDSDALMT61T	X					
	Hattiesburg, Miss.	HTBGMSMA05T	X		Ill	LaSalle	LSLLILLS07T	X
	Laurel, Miss.	LARLMSMA05T	X			Morris	MRRSILMS07T	X
	Meridian, Miss.	MRDNMSTL05T	X			Sterling	STNGILSI07T	X
	Bowling Green, Ky.	BWLGYMA05T	X			Woodstock	WDSTILWS07T	X
	Henderson, Ky.	HNSNKYMA05T	X			Arlington Hghts.	ARLHILAH07T	
			Barrington	BNTOILBA07T				
			Blue Island	BLISILBI07T				
OHIO	Piqua	PIQUOH7750T		Chicago Hghts.	CHHGILCH07T	X		
	Coshocton	CSTNOH6250T	X	Downers Grove	DWGVILDG07T			
	Gallipolis	GLPLOH4450T	X	Elgin	ELGNILGL07T	X		
	Ironton	IRTNOH5350T	X	Geneva	GENVILGL07T			
	Lancaster	LNC SOH6550T	X	Highland Park	HGPKILHP07T			
	Marietta	MRTTOH3750T	X	La Grange	LGRGILLG07T			
	Washington (Ct. Hse.)	WACHOH3350T	X	Libertyville	LBVLILL107T	X		
	Alliance	ALNCOH8250T		Cairo	CAIRILCF07T	X		
	East Liverpool	ELVROH3850T		Riverdale	RVDLILRD07T			
	Findlay	FNDYOH4205T	X	Waukegan	WKGNILWK07T			
Sandusky	SNDSOH6250T	X	Wheaton	WHTNILWHO7T				
Tiffin	TFFNOH4450T	X	Beardstown	BDTWILBD07T	X			
MICH	Monroe	MONRMIMN09T		Quincy	QNCYILQY07T	X		
	Niles	NILSMIMN09T		Danville	DAVLILDA07T	X		
	Iron Mountain	IRMTMIMN09T		Canton	CNTNILCN07T	X		
	Marquette	MRQTMIMN19T	X	Rock Island	RCISILRI07T	X		
	Port Huron	PTHRMIMN19T	X	Collinsville	COVLILCQ07T	X		
				Mount Vernon	MTVRILMV07T	X		
IND	Crawfordsville	CFVLIN0105T	X	Edwardsville	EWVLILERO7T	X		
	Kokomo	KOKMIN0105T	X	Springfield	SPFDILSD07T	X		
	New Castle	NWCSIN0105T	X	Vandalia	VANDILVA07T	X		
				Crown Point, Ind.	CRPNINCX07T	X		
			Hammond, Ind.	HMNDINHWO7T	X			

BELL SYSTEM NO. 5 CROSSBAR CLASS 4 OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA
NW	Bemidji, Minn.	BMDJMNBE05T			Chillicothe, Mo.	CHLCMOMI05T	X
	Shakopee, Minn.	SHKPMNSHO5T			Sedalia, Mo.	SDLIMOTA05T	X
	Crookston, Minn.	CKTNMNCRO5T	X		Blytheville, Ark.	BYVLARPO05T	X
	Thief River Falls, Minn.	TRFLMNTHO5T	X		Fayetteville, Ark.	FYVLARHIO5T	X
	Anoka, Minn.	ANOKMNANO5T			Forrest City, Ark.	FRCYARMA05T	X
	Ames, Ia.	AMESIATCO5T			Jonesboro, Ark.	JNBOARMA05T	X
	Boone, Ia.	BOONIATCO5T			Magnolia, Ark.	MGNLARMA05T	
	Carroll, Ia.	CRRLIATCO5T	X		McGehee, Ark.	MCGHARMA05T	
	Webster City, Ia.	WBCYIATCO5T	X		Pine Bluff, Ark.	PNBLARJE05T	X
	Charles City, Ia.	CHCYIATCO5T			Rogers, Ark.	RGRSARMA05T	
	Clinton, Ia.	CLTNIADT05T			West Memphis, Ark.	WMPARMA05T	X
	Ft. Madison, Ia.	FTMDIATCO5T			Chanute, Kan.	CHNTKSSS05T	X
	Iowa City, Ia.	IWCYIATCO5T	X		Coffeyville, Kan.	CFVLKS1005T	
	Dubuque, Ia.	DUBQIATCO5T	X		Independence, Kan.	INDPKSMA05T	X
	Muscatine, Ia.	MSCTIATCO5T			Pittsburg, Kan.	PSBGKSL005T	X
	Oelwein, Ia.	OLWNIATCO5T	X		Atchison, Kan.	ATSOKSSF05T	
	Spencer, Ia.	SPNCIATCO5T	X		Lawrence, Kan.	LWRNKSVE05T	X
	Storm Lake, Ia.	STLKIATCO5T			Leavenworth, Kan.	LVWOKSSH05T	
	Grafton, N.D.	GFTWNDBC05T			Olathe, Kan.	KSCYKSOL05T	
	Jamestown, N.D.	JMTWNDBC05T			Ottawa, Kan.	OTWAKSMA05T	X
	Valley City, N.D.	VLCYNDBC05T			Arkansas City, Kan.	ARCYKS5005T	
	Aberdeen, S.D.	ABRSDCO05T	X		El Dorado, Kan.	ELDOKSST05T	X
	Deadwood, S.D.	DDWSDCO05T			Emporia, Kan.	EMPRKS0805T	X
	Winona, Minn.	WINOMNWI05T	X		McPherson, Kan.	MCSNKSAS05T	
	Watertown, S.D.	WPTWSDCO05T	X		Newton, Kan.	NWINKS0505T	X
	Winner, S.D.	WNNRSDCO05T			Winfield, Kan.	WNFDKSMI05T	X
	Fremont, Neb.	FRMTNENW05T	X		Belleville, Ill.	BLVLIL8105T	X
	Norfolk, Neb.	NRFLNENW05T	X		Abilene, Kan.	ABLNKSCD05T	X
	Shenandoah, Ia.	SHNDIATCO5T			Concordia, Kan.	CNCRKSBRO5T	X
	Atlantic, Ia.	ATLTIATCO5T	X		Ada, Okla.	ADA-OKMA05T	X
	McCook, Neb.	MCCKNENW05T			Ardmore, Okla.	ARMROKMA05T	X
	North Platte, Neb.	NPLTNENW05T	X		Chickasha, Okla.	CHCKOKMA05T	X
Bismark 2, N.D.	BSMRNDBC05T	X		Norman, Okla.	NRMNOKMA05T		
				Shawnee, Okla.	SHWNOKMA05T	X	
				Stillwater, Okla.	STWROKMA05T		
				Elk City, Okla.	EKCYOKMA05T		
				Altus, Okla.	ALTSOKMA05T	X	
SW	Flat River, Mo.	FLRVMOGEO5T	X				
	Hannibal, Mo.	HNBLMOACO5T	X				
	Mexico, Mo.	MEXCMOJU05T	X				

BELL SYSTEM NO. 5 CROSSBAR CLASS 4 OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA		
SW (Cont'd)	Duncan, Okla.	DNCNOKMA05T	X	PAC	Auburn, Wash.	AUBNWA0101T			
	Bartlesville, Okla.	BRVLOKFE05T	X		Olympia, Wash.	OLYMWA0201T	X		
	Claremore, Okla.	CLMROKMA05T			Walla Walla, Wash.	WLWLWA0101T	X		
	Cushing, Okla.	CSNGOKMA05T	X						
	McAlester, Okla.	MCLSOKMA05T	X						
	Okmulgee, Okla.	OKMLOKMA05T				Yuba City, Cal.	YBCYCA0167T	X	
	Hereford, Tex.	HRFRTXHF05T				Red Bluff, Cal.	RDBLCA0152T		
	Waxahachie, Tex.	WAXCTXWE05T				Fairfield-Suisun, Cal.	FRFDCA0109T		
	Cisco, Tex.	CISCTXHI05T				El Centro, Cal.	ELCNCA0141T	X	
	Graham, Tex.	GRHMTXLI05T				Jackson, Cal.	JCSNCA0122T	X	
	Wharton, Tex.	WHTNTXWH05T	X			Dinuba, Cal.	DINBCA0120T		
	Beeville, Tex.	BEVLTXBV05T				Rialto, Cal.	RILTCA1173T	X	
	Seguin, Tex.	SGINTXSG05T	X			Newhall, Cal.	NHLLCA0147T	X	
	Denison, Tex.	DESNTXHO05T				Escondido, Cal.	ESCNCA0166T	X	
MTN	Miles City, Mont.	MLCYMTMA23T		SNE	South Tahoe, Cal.	STAHCA0135T	X		
	Logan, Utah	LOGNUTMA75T	X		Lakeport, Cal.	LKPTCA0204T			
	Price, Utah	PRICUTMA63T	X		Paso Robles, Cal.	PSRBCA0150T			
	Ogden, Utah	OGDNUTMA62T	X						
	Provo, Utah	PROVUTMA37T	X			Danbury, Conn.	DNBRCT0002T	X	
	Vernal, Utah	VRNLUTMA78T	X			Danielson, Conn.	DNSNCT0001T	X	
	Idaho Falls, Ida.	IDFLIDMA52T	X		CINN				
	Twin Falls, Ida.	TWFLIDMA73T	X			Batavia, Ohio	BATVOHBA01T		
	Boulder, Colo.	BLDRCOMA44T							
	Ft. Collins, Colo.	FTCLCOMA48T	X			CAN	St. Anne de Belle-		
	Grand Junction, Colo.	GDJTCOMA24T	X				vue, Que.		
	Greeley, Colo.	GRELCOMA35T	X				St. Jerome, Que.	SJERPQ0501T	
	Sterling, Colo.	STNGCOMA52T					Valleyfield, Que.	VYFDPQ4701T	
	Durango, Colo.	DURNCOMA24T			St. Felicien, Que.	SFCNPQ2901T			
	Alamogordo, N.M.	ALMGNMMA43T	X		Lac Megantic, Que.	LCMGFPQ1401T			
	Prescott, Ariz.	PRSCAZMA44T	X		Brockville, Ont.	BKVLON4401T			
	Livingston, Mont.	LVTNMTMA22T	X		Kingston, Ont.	KGTNON0801T			
Rock Springs, Wyo.	RCSPWYMA38T	X	Smiths Falls, Ont.	SMFLON1801T					
Missoula 2, Mont.	MSSLMTMA72T	X	Brampton, Ont.	BMTNON1301T					
PNB	Salem, Ore.	SALMOR5801T	X	Fort Erie, Ont.	FTERON0201T				
	Longview, Wash.	LGVWAA0201T	X	Oshawa, Ont.	OSHWON9501T				
				Peterborough, Ont.	PTBOON6201T				

BELL SYSTEM NO. 5 CROSSBAR CLASS 4 OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA
CAN (Cont'd)	Brantford, Ont.	BTFDON1701T		CAN (Cont'd)	Trois Riveres, Que.	TSRVPQ3201T	
	Guelph, Ont.	GLPHON2201T			Drummondville, Que.	DRUMPQ7701T	
	Orangeville, Ont.	OGVLON2301T			Bellville, Ont.	BLVLON2401T	
	Stratford, Ont.	SRFRON3801T			Sarnia, Ont.	SARNON3001T	
	Chatham, Ont.	CHHMOM1701T			New Market, Ont.	NWMKON8501T	
	Owen Sound, Ont.	OWSDON5901T			Lindsay, Ont.	LNDSON0901T	
	St. Thomas, Ont.	STTMOM2801T			St. Agathe, Que.	STATPQ5301T	
	Simcoe, Ont.	SIMCON3001T			Cornwall, Ont.	CRNWON2401T	
	Granby, Que.	GRNBPA8701T			Markham, Ont.	MRHMOM2401T	
	Joliette, Que.	JOLTPQ1701T			Riviere du Loup, Que.	RDLPPQ4901T	

BELL SYSTEM NO. 1 ESS LOCAL/TOLL OFFICES IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	CAMA	CO.	LOCATION	CLLI	CAMA		
NJ	Wildwood Paterson Morristown	WLWDNJWIO3T	4	ILL	Kankakee, Ill.	KNKKILKK50T	4		
			4				SW	Kirkwood, Mo. (Tdm.)	Lcl.
			4						
PA	Scranton, Pa.	SCTNPASC81T	4	PAC	San Mateo, Cal.	BRLNCA0135T	4		
SO	Rome, Ga.	ROMEGATLO2T	4						

**BELL SYSTEM
STEP-BY-STEP CAMA SYSTEMS IN SERVICE - END OF 1973**

CO.	LOCATION	CLLI	ANI	CO.	LOCATION	CLLI	ANI													
NE	Augusta, Me.	AGSTMEST01T	X	OHIO	Steubenville	SEV1OH2850T	X													
	Brattleboro, Vt.	BRBOU0TMA01T	X		Upper Sandusky	UPSN0H2950T	X													
	Concord, N.H.	CNCRNH0001T	X		Winchester	WNCH0H6950T	X													
	Fitchburg, Mass.	FTBGMAMA01T	X		Xenia	XEN1OH3750T	X													
	St. Johnsbury, Vt.	STBYVTSM01T	X		Zanesville	ZNVLOH2750T	X													
	Littleton, N.H.	LFTNNHPLO1T	X		Fremont	FRMTOH3350T	X													
	Montpelier, Vt.	MTPLVTSC01T	X		IND	Columbus	CLMB1N0105T	X												
	Newburyport, Mass.	NBPIMAGRO1T	X			ILL	Aurora	AURR1LAR06T	X											
	Rockland, Me.	RKLDMEL101T	X				Gary, Ind.	GARYING006T	X											
	Rutland, Vt.	RTLDTVTE01T	X		Joliet 1		JOLT1LJ006T	X												
Waterville, Me.	WTULMEAPO1T	X	Kankakee	Kankakee	KNKK1LKK06T	X														
NY	Glen Falls	GLFLNYGF01T			Springfield	SPFD1LSF06T	X													
								PA	Bradford	BRFRPABR11T	X	WISC	Ashland	ASLDWIO111T	X					
			Easton													ESTNPAIA11T	X	Eau Claire	EUCLWIO111T	X
			Haxleton		HZTNPAPHZ11T	X	Green Bay									GNBYWIO111T	X			
New Castle	NWCSPANCL1T	X	Hudson	HDSNWIO111T	X															
C&P	Beckley, W. Va.	BCKLWWD21T	X		Janesville	JNVLWIO111T	X													
								Huntington, W.Va.	HNTNWVD21T	X	Marinette	MRNTWIO111T	X							
								Lynchburg, Va.	LYBGVACH01T	X	Rhineland	RHNLWIO111T	X							
								Martinsburg, W. Va.	MRBGWVBU21T	X	Sheboygan	SHBYWIO111T	X							
								Newport News, Va.	NWNWAHU01T	X	Superior	SPRRWIO111T	X							
								Parkersburg, W. Va.	PRBGWKT21T	X	NW	Duluth, Minn.	DLTHMNME01T	X						
								Staunton, Va.	STTNVAST01T	X		Marshall, Minn.	MRSHMNMA01T	X						
								Salisbury, Md.	SLBRMDSBO1T	X		Sheldon, Iowa	SHLNIATCO1T	X						
So.	Augusta, Ga.	AGSTGAMT01T			Brenham, Texas	BRHMTX0109T	X													
								Delray Beach, Fla.	DLBHFLMA01T	X	SW	Cleveland, Texas	CLEVTXCLO9T	X						
															Daytona Beach, Fla.	DYBHFLMA01T	X	El Dorado, Ark.	ELDOARMA09T	X
															Gainesville, Ga.	GSVLGAMA01T	X	Garden City, Kan.	GRCYKS0709T	X
															Panama City, Fla.	PNCYFLMA01T	X	Great Bend, Kan.	GRTBKSS09T	X
															Savannah, Ga.	SVNHGAMT01T	X	Hays, Kan.	HAYSKS1109T	X
															Belle Glade, Fla.	BLGLFLMA01T	X	Hope, Ark.	HOPEARMA09T	X
Ohio	Barnesville	BRV1OH4250T	X		Hutchinson, Kan.	HTSNKS0209T	X													
								Hillsboro	HLBOOH3950T	X	Liberal, Kan.	LBRLKS0409T	X							
								Middletown	MDTWOH4250T	X	Manhattan, Kan.	MNHTKSO409T	X							
								New Lexington	NWLXOH3450T	X	Midland, Tex.	MDLDTXMU09T	X							
								Springfield	SPFD0H3250T	X	Nacogdoches, Tex.	NCGDXTXNCO9T	X							

BELL SYSTEM STEP-BY-STEP CAMA SYSTEMS IN SERVICE - END OF 1973

CO.	LOCATION	CLLI	ANI	CO.	LOCATION	CLLI	ANI
SW	Newport, Ark.	NWPTARMA09T	X	MTN	Cedar City, Utah	CDCYUTMA58T	X
	Odessa, Texas	ODSSTXFE09T	X		Glendive, Mont.	GLNDMTMA36T	X
	Ponca City, Okl.	PNCYOKMA09T	X		Globe, Ariz.	GLOBAZMA42T	X
	Texas City, Texas	TXCYTX	X		Santa Fe, N.M.	SNFENMA98T	X
	Topeka, Kan.	TPKAJSJA09TTC09T	X		PAC	Salida, Cal.	
	Woodward, Okl.	WDWROKMA09T	X	Ventura CAMA, Cal.		VNTRCA0101T	X
	Temple, Tex.	TMPLTXDNO9T	X				
	Victoria, Tex.	VCTATX0109T	X				
	Huntsville, Tex.	HNV1TXHNO9T	X				
	Eldon, Mo.	ELDNMOEX09T	X				
	Kirksville, Mo.	KKVLMOM009T	X				

STEP-BY-STEP CSP'S IN SERVICE - END OF 1973 (ALL CLASS 3)

COMPANY	LOCATION	CLLI	INITIAL SERVICE	CAMA	ANI
PNB	Klamath Falls, Ore.	KLFLOR5401T	'40		X
	Roseburg, Ore.	RSBGOR5701T	'51		X
Canada (Non Bell)	Abbotsford, B.C.	ABFDBC0101T	'53	X	
	Brandon, Man.	BRNDMB0101T	'52		X
	Campbell River, B.C.	CBRVBC0101T	'55		
	Cranbrook, B.C.	CRBKBC0101T	'55	X	
	Dauphin, Man.	DAPHMB0101T	'52		
	Gander, Nfld.	GNDRNFXA01T	'59		
	Halifax 2, N.S.	HLFXNS0102T	'51		
	Kamloops, B.C.	KMLPBC0101T	'61	X	X
	Nanaimo, B.C.	NNLMBC0101T	'60	X	X
	Nelson, B.C.	NLSNBC0101T	'62	X	X
	Terrace, B.C.	TRRCBC0201T	'68	X	X
	Vancouver 1, B.C.	VANCB0101T	'59	X	
	Canada (Bell)	Thunder Bay, Ont.	TDBAON3201T	'54	X

**BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE
END OF 1973**

CO.	LOCATION	CO.	LOCATION	CO.	LOCATION
NE	Fitchburg, Mass.	NY	Cobleskill	C&P	Beckly, W. Va.
	New Bedford, Mass.		Glens Falls		Huntington, W. Va.
	Taunton, Mass.		Greenwich		Montgomery, W. Va.
	Haverhill, Mass.		Hudson		Parkersburg, W. Va.
	Lowell, Mass.		Schenectady		Morgantown, W. Va.
	Newburyport, Mass.		Ticonderoga		Sutton, W. Va.
	Greenfield, Mass.		Bath		Martinsburg, W. Va.
	North Adams, Mass.		Corning		Leonardtown, Md.
	Pittsfield, 1, Mass.		Cortland		Oakland, Md.
	Claremont, N.H.		Elmira		Salisbury, Md.
	Concord, N.H.		Lockport		Lynchburg, Va.
	Conway, N.H.		Niagara Falls		Newport News, Va.
	Nashua, N.H.		Auburn		Staunton, Va.
	Augusta, Me.		Sodus		Christiansburg, Va.
	Firmington, Me.				Radford, Va.
	Bath, Me.	NY	Manahawkin	SO	Gastonia, N.C.
	Biddeford, Me.				Lenoir, N.C.
	Calais, Me.	PA	Easton		Shelby, N.C.
	Dover Foxcroft, Me.		Lansdale		Statesville, N.C.
	Ellsworth, Me.		Langhorne		Wilmington, N.C.
	Houlton, Me.		Lebanon		Hendersonville, N.C.
	Exeter, N.H.		Lewistown		Burlington, N.C.
	Norway, Me.		Hazleton		Winston-Salem, N.C.
	Presque Isle, Me.		McDonald		Aiken, S.C.
	Rockland, Me.		Shamokin		Sumter, S.C.
	Waterville, Me.		Sunbury		Anderson, S.C.
	Bellows Falls, Vt.		Norristown		Spartanburg, S.C.
	Bennington, Vt.		Bellefonte		Americus, Ga.
	Brattleboro, Vt.		Clearfield		Eastman, Ga.
	Burlington 1, Vt.		Butler		Ft. Valley, Ga.
	Middlebury, Vt.	Charleroi	Savannah, Ga.		
	Montpelier, Vt.	Indiana	Vidalia, Ga.		
	Morrisville, Vt.	New Castle	Hazelhurst, Ga.		
Rutland, Vt.	Uniontown	Jesup, Ga.			
St. Albans, Vt.	Bradford	Athens, Ga.			
St. Johnsbury, Vt.	Georgetown, Del.	Augusta, Ga.			
Narragansett, R.I.	Wilmington, Del.				

BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE
END OF 1973

CO.	LOCATION	CO.	LOCATION	CO.	LOCATION
SO (Cont'd)	Carrollton, Ga.	SOCN	Plaquemine, La.	IND	Anderson
	Gainesville, Ga.		Maysville, Ky.		Attica
	La Grange, Ga.		Pikeville, Ky.		Frankfort
	Marietta, Ga.		Hopkinsville, Ky.		Marion
	Rome, Ga.		Clarksville, Tenn.		Muncie
	Brooksville, Fla.		Cleveland, Tenn.		Shelbyville
	Daytona Beach, Fla.		Hernando, Miss.		Clinton
	Gainesville, Fla.		Huntingdon, Tenn.		Columbus
	Palatka, Fla.				New Albany
	St. Augustine, Fla.				
	Panama City, Fla.	OHIO	Middletown	WISC	Ashland
	Key West, Fla.		Springfield		Eau Claire 2
	Belle Glade, Fla.		Xenia		Hudson
Delray Beach, Fla.	Barnesville	Baraboo			
	New Lexington	Superior			
	Steubenville	Marinette			
	Zanesville	Rhineland			
	Painesville	Madison (Term. only)			
	Salem	Beloit			
	Hillsboro	Green Bay			
	Fremont	Sturgeon Bay			
	Youngstown	Manitowoc			
	Upper Sandusky	Sheboygan			
	Winchester	Waukesha			
		West Bend			
		Kenosha			
		Lake Geneva			
		Beaver Dam			
SOCN	Anniston, Ala.	MICH	Ann Arbor	ILL	Joliet
	Flomaton, Ala.		Mt. Clemens		Kankakee
	Opelika, Ala.		Hillsdale		Aurora
	Natchez, Miss.		Bad Axe		Springfield
	Clarksdale, Miss.		Bay City		Gary, Ind.
	Cleveland, Miss.		Cadillac		
	Greenville, Miss.		Holland		
	Corinth, Miss.		Big Rapids		
	New Albany, Miss.		Reed City		
	Alexandria, La.		Battle Creek		
	Bunkie, La.	Benton Harbor			
	Eunice, La.	Sault St. Marie	NW	Lake Minnetonka, Minn.	
	Lake Charles, La.			Cloquet, Minn.	
	New Iberia, La.			Duluth, Minn.	
	Opelousas, La.			Little Falls, Minn.	
	De Ridder, La.				
	Leesville, La.				
	Many, La.				
	Winnifield, La.				
Winnsboro, La.					
Bogalusa, La.					
Donaldsonville, La.					
Morgan City, La.					

**BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE
END OF 1973**

CO.	LOCATION	CO.	LOCATION	CO.	LOCATION
NW (Cont'd)	Ortonville, Minn. Albert Lea, Minn. Austin, Minn. Faribault, Minn. Northfield, Minn. Preston, Minn. Rochester, Minn. Luverne, Minn. Marshall, Minn. Grand Rapids, Minn. Hibbing, Minn. Brainerd, Minn. Detroit Lakes, Minn. Fergus Falls, Minn. Marshalltown, Ia. Oskaloosa, Ia. Ottumwa, Ia. Perry, Ia. Algona, Ia. Iowa Falls, Ia. Burlington, Ia. Decorah, Ia. Sheldon, Ia. Minot, N.D. Wahpeton, N.D. Dickinson, N.D. Williston, N.D. Huron, S.D. Madison, S.D. Mitchell, S.D. Mobridge, S.D. Pierre, S.D. Council Bluffs, Ia. Red Oak, Ia. Sauk Centre, Minn. Pine City, Minn. Red Wing, Minn. Montevideo, Minn.	SW	Eldon, Mo. Kirksville, Mo. Festus, Mo. Union, Mo. Cape Girardeau, Mo. Poplar Bluff, Mo. Arkadelphia, Ark. Camden, Ark. El Dorado, Ark. Helena, Ark. Hope, Ark. Hot Springs, Ark. Newport, Ark. Searcy, Ark. Dodge City, Kan. Garden City, Kan. Great Bend, Kan. Harper, Kan. Hutchinson, Kan. Liberal, Kan. Pratt, Kan. Manhattan, Kan. Marysville, Kan. Sabetha, Kan. Topeka, Kan. Colby, Kan. Hays, Kan. Oakley, Kan. Ponca City, Okla. Hugo, Okla. Woodward, Okla. Miami, Okla. Muskogee, Okla. Vinita, Okla.		Pampa, Tex. Plainview, Tex. Corsicana, Tex. Mercedes, Tex. McAllen, Tex. Brownsville, Tex. McKinney, Tex. Terrell, Tex. Paris, Tex. Mt. Pleasant, Tex. Cleburne, Tex. Vernon, Tex. Weatherford, Tex. Wichita Falls, Tex. Mexia, Tex. Temple, Tex. Brenham, Tex. Cleveland, Tex. Freeport, Tex. Galveston, Tex. Hearne, Tex. Huntsville, Tex. Liberty, Tex. Nacogdoches, Tex. Rosenberg, Tex. Texas City, Tex. Silsbee, Tex. Alice, Tex. Eagle Pass, Tex. Kingsville, Tex. Laredo, Tex. Uvalde, Tex. Victoria, Tex. Taylor, Tex.

**BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE
END OF 1973**

CO.	LOCATION	CO.	LOCATION	CO.	LOCATION
SW (Cont'd)	Alpine, Tex. Big Spring, Tex. Midland, Tex. Odessa, Tex.	PNB	Bremerton, Wash. Centralia, Wash. Pt. Angeles, Wash. Ephrata, Wash. Pasco, Wash. Wenatchee, Wash.		Downey Mojave Ventura SXS Pomona
MTN	Glasgow, Mont. Glendive, Mont. Havre, Mont. Shelby, Mont. Butte, Mont. Missoula, Mont. Sheridan, Wyo. Worland, Wyo. Fort Morgan, Colo. Granby, Colo. Limon, Colo. Salida, Colo. Craig, Colo. Glenwood Springs, Colo. Alamosa, Colo. Canon City, Colo. La Junta, Colo. Lamar, Colo. Trinidad, Colo. Deming, N.M. Farmington, N.M. Gallup, N.M. Las Cruces, N.M. Las Vegas, N.M. Raton, N.M. Santa Fe, N.M. Artesia, N.M. Clovis, N.M. Payette, Ida. Cedar City, Utah Richfield, Utah Flagstaff, Ariz. Globe, Ariz. Yuma, Ariz. Bisbee, Ariz.		Albany, Ore. Corvallis, Ore. Lewiston, Ida. Newport, Ore. The Dalles, Ore. Vancouver, Wash. Baker, Ore. Portland, Ore. Ely, Nev. Winnemucca, Nev. Marysville Portola Willows Dunsmuir Yreka Auburn Grass Valley Woodland Pittsburg Fairfield - Suisun SXS Fort Bragg Napa Petaluma Ukiah Vallejo Monterey Watsonville Lodi Sonora Coalinga Hanford Merced Visalia Whittier	SNE	Ansonia Derby Bridgeport 1 Bristol Canaan Manchester Meriden Middletown New Britain New Milford Norwalk Norwich Saybrook Torrington Waterbury Willimantic Windsor Locks
				CIN	Hamilton Williamstown, Ky.
				CAN (Bell)	St. Hyacinthe, Que. St. Jean, Que. Sorel, Que. Victoriaville, Que. Thetford Mines, Que. Alma, Que. Pembroke, Ont. Renfrew, Ont. Clinton, Ont. Tillsonburg, Ont. Woodstock, Ont. Niagara Falls, Ont. Port Hope, Ont. St. Catharines, Ont. Welland, Ont.

**BELL SYSTEM STEP-BY-STEP CLASS 4 OFFICES IN SERVICE
END OF 1973**

CO.	LOCATION	CO.	LOCATION	CO.	LOCATION
(CAN Bell)	Beaverton, Ont. Bracebridge, Ont. Huntsville, Ont. Midland, Ont. Orillia, Ont. Parry Sound, Ont. Blind River, Ont. Ft. Frances, Ont. Kenora, Ont. Dryden, Ont. Goose Bay, Nfld. L'Anse au Loup, Nfld.				

NEW 4A, XBT AND ESS TOLL OFFICES IN SERVICE 1974-1979**

CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS
					SHIP	SERVICE			
N.E.	Framingham, Mass.	FRMNAWA03T	4A/3	646	02-73	06-74			
	Brockton, Mass.	BRTNMAC002T	4A/3	535	11-73	03-75			
	Worcester 2, Mass.	WRCSMA0202T	4A/3	535	04-74	09-75	X		
	Nashua, N.H.		1E/4	97	01-75	12-75	X		
	Cambridge 1, Mass.	CMBRMACA00T	4E/2	2100*	01-76	03-77	X		Repl. Bost. 2 4M
	Springfield 3, Mass.		4E/2	2100*	03-78	06-79	X		
N.Y.	323 Broadway 2		4A/Lcl	1144*	04-72	02-74			
	New York 11	NYCMNYBW02T	4A/3	323	07-73	08-74			
	Williamsburg 1		1E/4	403	03-73	09-74	X		
	Niagra Falls	NGFLNY	1E/4	NA	NA	06-76	X	X	Repl. SXS
	New York 12 (Rego Pk.)	NYCQNYRPO8T	4E/3	1200*	06-76	08-77	X		
	1095 Ave. of Amer. 1		4E/Lcl	140	1Q-77	4Q-77	X		
	Garden City 2	GRCYNYCG02T	4E/3	1200*	09-77	05-78	X		
	New York 4E	NYCMNYBW03T	4E/2	1200*	09-77	06-78	X		Repl. 4M
	White Plains 5		4E/2	2100*	03-77	09-78	X		
	Williamsburg 2		4E/3	140	1Q-78	4Q-78	X		
Buffalo		4E/3	2100*	03-77	06-79	X			
N.J.	Cedar Knolls 1	CDKNNJCK01T	4A/3	676	02/73	06/74			
	Hamilton Square 1	HMSQNJHS01T	4A/3	543	06/73	10/74			
	Rochelle Park 2	RCPKNJO202T	4A/4	656	01/74	06/75			
	Freehold 2	FRHDNJ0202T	4A/4	320	01/75	06/76			
	Clifton Metro. Tdm.	CFNNNJ0201T	1E/HVT	325	09/76	08/76			
	Cedar Brook 1	CDBKNJCB01T	4E/3	2100*	02/77	08/78	X		
	Irvington 3	IVTNNJ0103T	4E/3	2100*	01/77	11/78	X		
PA.	Philadelphia 3, Pa.	PHLAPASL41T	4A/3	968	12/72	06/74			
	Wilmington 2, Del.	WLMGDEWL41T	4A/3	533	02/74	06/75			Repl. XBT
	State College, Pa.	STCGPAES81T	1E/4	235	08/73	08/75	X		Cutover 7/74 as Class 5
	Uniontown, Pa.	UNTNPAUN81T	1E/4	178	04/76	01/77	X		Repl. SXS
	Hazleton, Pa.	HZTNPAHZCGO	1E/4	225	05/76	03/77	X		
	Wayne 2, Pa.	WAYNPALA81T	4E/3	1400*	07/76	06/77	X		Repl. 4A
	Williamsport, Pa.	WLPTPAWICGO	1E/4	200	11/76	09/77	X	X	Repl. SXS
	Allentown, Pa.		1E/4	175	01/77	10/77	X	X	Repl. SXS
	Charleroi, Pa.	CHRI.PACH81T	1E/4	140	05/77	02/78	X	X	Repl. SXS
	Easton, Pa.	ESTNPAAE81T	1E/4	230	05/77	03/78	X		

** BASED ON APRIL, 1974 CONSTRUCTION BUDGET VIEW

NEW 4A, XBT AND ESS TOLL OFFICES IN SERVICE 1974-1979**

CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS	
					SHIP	SERVICE				
C&P	Pittsburgh 3, Pa.	PITBPADG81T	4E/3	1750*	04/77	07/78	X		Repl. 4A	
	New Castle, Pa.		1E/4	200	06/78	04/79	X			
	Clearfield, Pa.		2E/4	120	08/78	06/79	X			
	Greensburg, Pa.		1E/4	130	10/78	07/79	X			
	Sunbury, Pa.		1E/4	150	12/78	08/79	X			
	Baltimore 9, Md.	BLTMDCH09T	4A/3	623	10/72	05/74			Repl. XBT	
	Roanoke 2, Va.	RONKVA0102T	4A/3	673	11/73	05/75	X	X		
	Lynchburg (church)Va.	LYBGVACH02T	1E/4	277	11/74	10/75	X	X		
	Fredericksburg, Va.	FRBGVACH02T	1E/4	148	12/74	10/75	X	X		
	Salisbury, Md.	SLSBMDCH02T	1E/4	255	06/75	05/76	X	X		
	Huntington, W. Va.	HNTNWVDT22T	1E/4	293	07/75	04/76	X	X		
	Richmond 2, Va.	RCMDVA5302T	4A/4	519	11/75	04/77	X	X		
	Washington 6, D.C.	WASHDCMO06T	4E/3	1700*	02/77	02/78	X			Repl. 4A
	Parkersburg, W. Va.	PRBGWVKT22T	1E/4	105	06/77	06/78	X	X		
Wheeling, W. Va.	WLNQWVCP25T	1E/3	214	07/77	04/78	X	X			
Morgantown, W. Va.		1E/4	200	08/77	08/78	X	X			
SO.	Rome, Ga.	ROMEGATL02T	1E/4	111	03/73	03/74	X	X	Repl. SXS	
	Gainesville, Fla.	GSVLFMA03T	4A/3	505	06/73	08/74	X		Repl. SXS	
	Gastonia, N.C.	GSTANCS002T	4A/3	518	12/73	03/75	X	X	Repl. SXS	
	Winston Salem, N.C.	WNSLNCFIO2T	4A/3	492	01/74	04/75	X	X	Repl. SXS	
	Macon 2, Ga.	MACNGAGA42T	4A/2	763	12/73	05/75	X		Repl. XBT	
	Greenville, S.C.	GNVLSCTLO1T	4A/3	887	02/74	06/75	X	X	Repl. XBT	
	Athens, Ga.	ATHNGAMAO2T	1E/4	NA	NA	08/75	X	X	Repl. SXS	
	Panama Ctiy, Fla.	PNCYFLMA03T	1E/3	553	04/74	08/75	X		Repl. SXS	
	West Palm Beach, Fla.	WPBHFLANO3T	4A/3	808	05/74	09/75			Repl. SXS XBT to Lcl.	
	Ojus 2, Fla.	OJUSFLTLO2T	4A/4	811	08/74	11/75				
	Miami (Red Rd.), Fla.		1E/Lcl.	176	05/75	03/76				
	Savannah, Ga.	SVNHGADT42T	1E/3	360	04/75	05/76	X	X	Repl. SXS	
	Jacksonville 3, Fla.	JCVLFLCLO3T	1E/4	1000	02/75	06/76	X	X	Repl. SXS	
	Daytona Beach, Fla.	DYBHFLMA03T	1E/4	460	08/75	08/76	X	X		
	Ft. Pierce, Fla.	FTPRFLMA03T	1E/4	300	01/76	12/76	X	X	Repl. SXS	
	Augusta, Ga.	AGSTGA	1E/4	556	04/76	02/77	X	X		
	Wilmington (4th St.),N.C.	WLMGNCFO02T	1E/4	455	01/76	02/77	X	X		
Charleston 2, S.C.	CHTNSCDT01T	1E/4	350	03/76	04/77	X	X	Repl. XBT		

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Chart 10

NEW 4A, XBT AND ESS TOLL OFFICES IN SERVICE 1974-1979**

CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS
					SHIP	SERVICE			
SOCN.	Atlanta 4, Ga.	ATLNGACS01T	4E/2	2400*	12/75	04/77	X	X	Repl. 4A
	Brooksville, Fla.		1E/4	300	06/76	05/77	X	X	
	Orlando 3, Fla.	ORLDFLMA03T	4E/2	1800*	09/76	09/77	X	X	Repl. 4A
	Cocoa, Fla.	1E/4	450	450	09/76	10/77	X	X	5XB to Lcl.
	Carrollton, Ga.		1E/4	380	02/77	02/78	X	X	Repl. SXS
	Asheville, N.C.		1E/4	180	1Q-77	1Q-78	X	X	ESS Addn. for toll XBT to Lcl.
	Albany, Ga.		1E/4	325	04/77	04/78	X	X	5XB to Lcl.
	Greensboro 2, N.C.	GNBONCEU03T	4E/2	1650*	09/77	07/78			Repl. 4A
	Pompano Beach (Quad City), Fla.		4E/4	100	06/77	09/78	X	X	XBT to Lcl.
	Miami (Biscayne), Fla.		ESS/Lcl.	300	12/77	09/78	X	X	XBT to Lcl.
	Shelby, N.C.		1E/4	250	3Q-77	3Q-78			Repl. SXS
	Columbia 2, S.C.		4E/2	1800*	07/78	04/79	X	X	Repl. 4A
	Charlotte 2, N.C.		4E/2	1700*	08/78	05/79	X	X	Repl. 4A
	Ojus, Fla.		ESS/Lcl.	150	12/78	09/79			
	Shreveport, La.	SHPTLATL02T	4A/3	680	11/72	03/74	X	X	Repl. XBT
	Decatur, Ala.	DCTRALMT56T	4A/3	453	01/73	04/74	X	X	5XB to Lcl.
	Lake Charles (Down- town), La.	LKCHLADT03T	1E/4	353	01/73	04/74	X	X	Repl. SXS
	Greenville, Miss.	GNVLMMSMA06T	1E/4	212	12/73	11/74	X	X	SXS to Lcl.
	Alexandria (Main), La.	ALXNLAMA03T	1E/4	424	06/74	07/75	X	X	Repl. SXS
	Watchex, Miss.	NTCHMSMA06T	1E/4	239	11/74	10/75	X	X	SXS to Lcl.
	Anniston, Ala.	ANTNALMT61T	1E/4	233	11/75	09/76	X	X	Repl. SXS
	Montgomery, Ala.	MTGMALMT56T	1E/4	235	02/76	02/77	X	X	Repl. XBT
	Chattanooga (9th St.), Tenn.	CHTGTNNS41T	1E/4	190	05/76	02/77	X	X	Repl. XBT
	Gulfport, Miss.	GLPTMSTS06T	1E/4	140	11/76	01/78	X	X	5XB to Lcl.
	Birmingham, Ala.	BRHMAL-----	4E/2	1800*	02/77	04/78	X	X	Repl. 4A
	Nashville, Tenn.	NSVLTNMT43T	4E/2	1725*	03/77	05/78	X	X	Repl. 4A
	Lafayette, La.	LFYTLAMA--T	1E/4	200	07/77	06/78	X	X	
	Hattiesburg, Miss.		1E/4	200	07/77	06/78	X	X	
Opelika, Ala.		1E/4	350	01/78	12/78	X	X	Repl. SXS	
Tupelo, Miss.		1E/4	140	4Q-77	4Q-78	X	X	Repl. 5XB	
Clarksdale, Miss.	CSDJMSMA06T	1E/4	250	2Q-78	1Q-79	X	X	Repl. SXS	
Memphis, Tenn.	MMPHTNMA43T	4E/2	1800*	04/78	05/79	X	X	Repl. 4A	
Greenwood, Miss.		4A/3	200	2Q-78	3Q-79	X			

** BASED ON APRIL, 1974 CONSTRUCTION BUDGET VIEW

NEW 4A, XBT AND ESS TOLL OFFICES IN SERVICE 1974-1979**

CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS
					SHIP	SERVICE			
OH.	Youngstown 2	YNTWOHO202T	4A/3	250	01/74	04/75			
	Columbus 3	CLMBOHL103T	4E/3	500	04/76	04/77	X	X	
MICH.	Detroit 2	DTRTMBH40T	4A/4	851	09/72	03/74			
	Kalamazoo 2	KLMZMIFA40T	4A/3	393	01/73	06/74			
	Saginaw 2	SGNWMIFA40T	4A/3	405	09/73	12/74			Repl. XBT
	Lansing 2	LNGMIMN40T	4A/3	365	04/74	06/75			
	Flint 2	FLNTMIMN12T	1E/4	200	03/77	06/78	X	X	
IND.									
WISC.	Madison 3 (Main)	MDSNW11181T	1E/4	175	11/72	04/74	X	X	
	Eau Claire 3	EUCLW10181T	1E/4	283	05/74	03/75	X	X	
	Madison 2	MDSNW10241T	4A/3	552	01/75	04/76			Repl. XBT
	Sheyboygan	SHBYW10145T	1E/4	220	02/76	10/76	X	X	
	Appleton 2	APPLW10181T	1E/3	299	04/77	04/78	X	X	XBT to Lcl.
	Janesville	JNVLW10175T	1E/4	220	10/77	07/78	X	X	Repl. SXS
ILL.	Northbrook 2	NBRKILNT41T	4A/4	1060	01/73	04/74			5XB to Lcl.
	Collinsville 2	COVLILCQ41T	4A/2	532	03/74	06/75			
	Chicago 7	CHCGILCL57T	4E/HVT	1107*	1974	01/76	X	X	
	Joliet		1E/4	267	02/76	11/76	X	X	Repl. SXS
	Rockford	RCFRILRT51T	1E/3	403	07/76	04/77	X	X	Repl. XBT
N.W.	Duluth, Minn.	DLTHMME06T	1E/4	356	03/73	06/74	X	X	Repl. SXS
	Rochester 1, Minn.	ROCHMNR006T	1E/4	191	11/72	05/74	X	X	Repl. SXS by Addn.
	Marshalltown, Ia.	MRTWIAS007T	1E/4	330	09/74	07/75	X	X	Repl. SXS
	Fargo 1, N.D.	FARGNDBC03T	4A/2	544	06/74	11/75	X	X	Repl. XBT
	Davenport 1, Ia.	DVNPIADT04T	4A/3	635	03/75	06/76	X	X	Repl. XBT
	Wayzata, Minn.		1E/4	160	12/75	08/76	X	X	Repl. SXS
	Albert Lea, Minn.		1E/4	149	04/76	12/76	X	X	Repl. SXS
	Souix Falls, S.D.		XBT/3	50	01/76	04/77	X	X	Paired with present XBT
	St. Cloud, Minn.		1E/4	290	05/76	05/77	X	X	Repl. 5XB
	Brainard 1, Minn.		1E/4	130	11/76	07/77	X	X	Repl. SXS
	Mason City 1, Ia.	MSCYIATC07T	1E/4	400	11/76	12/77	X	X	Repl. 5XB
	Minneapolis 3, Minn.	MPLSMNFW08T	4E/4	1130*	06/77	06/78	X	X	

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NEW 4A, XBT AND ESS TOLL OFFICES IN SERVICE 1974-1979**

CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS
					SHIP	SERVICE			
SW	Austin (Greenwood), Tex.	AUSTTXGRO4T	4A/3	869	01/73	05/74	X	X	Repl. XBT
	Wichita Falls 1, Tex.	WCFLTXN103T	1E/3	476	10/73	10/74	X	X	Repl. SXS
	Galveston, Tex.	GLTNTXS001T	1E/4	NA	NA	12/74	X	X	Repl. SXS
	Topeka 2, Kan.	TPKAKSJA02T	1E/4	406	02/74	01/75	X	X	Repl. SXS
	Houston 3, Tex. (Weslayan)	HSTNTX0834T	4A/4	1141	11/73	05/75	X	X	
	Greenville 1, Tex.	GNVLTXGLO3T	1E/3	350	07/74	10/75	X	X	Repl. 5XB
	Lawton 1, Okla.	LWTNOKTB14T	1E/3	165	11/74	10/75	X	X	5XB to Lcl.
	Midland 1 (Mutual), Tex.	MDLDTXMU01T	1E/3	240	07/75	05/76	X	X	Repl. SXS
	Amarillo 2, Tex.	AMRLTX0201T	1E/4	410	07/75	06/76	X	X	
	Kansas Ctiy 2, Mo.	KSCYMO0904T	4E/2	1520*	02/75	07/76	X	X	Repl. 4A
	Dallas 3, Tex.	DLLSTXTL34T	4E/1	2884*	08/75	11/76	X	X	Repl. 2 4A's
	San Antonio 2, Tex.	SNANTXCA02T	4E/2	419	01/76	06/77	X	X	Repl. 4A
	Lubbock 2, Tex.	LBCKTXPS02T	1E/4	400	05/76	05/77	X	X	
	Houston, Tex. (Beau- mont)	BUMTTXTE03T	1E/4	230	06/76	05/77	X	X	
	Fort Worth 2, Tex.	FTWOTXED24T	4E/2	274	11/76	11/77	X	X	Repl. 4A
	Houston 4, Tex. (Weslayan)	HSTNTX0844T	4E/2	250	03/77	05/78	X	X	Repl. 4A
	Hays, Kan.		1E/4	235	05/77	04/78	X	X	Repl. 5XB
	Oklahoma City 2, Oklahoma	OKCYOKCECGO	4E/2	250	01/78	05/79			Repl. 4A
	Waco 2, Tex.	WACOTX0102T	1E/4	375	05/78	04/79			
MTN.	Denver 4, Colo.	DNVRCOZJ04T	4A/4	784	01/73	04/74			Repl. XBT
	Tucson 2, Ariz.	TCSNAZMA02T	4A/3	790	03/73	06/74			Repl. XBT
	Boise 2, Idaho	BOISIDMA02T	4A/3	636	11/73	04/75	X	X	Repl. XBT
	Greely, Colo.	GRELCOJCO1T	4A/3	394	12/73	04/75	X		5XB to Lcl.
	Idaho Falls 2, Ido.	IDFLIDMA52T	1E/4	175	01/75	09/75	X	X	Repl. 5XB
	Mesa 1, Ariz.	MESAAZTL01T	4A/4	736	06/74	10/75			Repl. Phoenix 2 XBT
	Provo 1, Utah	PROVUTMA01T	1E/3	400	04/75	02/76	X	X	5XB to Lcl.
	Twin Falls 2, Ida.	TWFLIDMA73T	XBT/4	(Reused)	08/75	05/76	X	X	Repl. 5XB
Billings 2, Mont.	BLNGMTMA02T	4A/2	714	01/76	01/77	X	X	Repl. XBT	

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CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS
					SHIP	SERVICE			
	El Paso 2 (Main), Tex.	ELPSTXMA02T	1E/4	200	06/76	04/77	X	X	Repl. SXS
	Ogden, Utah		4A/4	408	02/76	06/77	X		
	Pocatillo 2, Ida.	PCTLIDMA01T	1E/4	175	1Q-77	4Q-77	X	X	
	Casper 2, Wyo.	CSFRWYMA02T	1E/4	267	11/76	02/78	X	X	
	Salt Lake City 2, Ut.	SLKCUTMA02T	4E/2	125	01/77	06/78	X	X	
	Phoenix 3, Ariz.	PHNXAZMA03T	4E/2	1600*	06/77	10/78			
	Denver 5, Colo.	DNVRCOPRO5T	4E/4	1600*	01/78	04/79	X	X	
	Grand Junction, Col.	GDJTCOMA02T	4E/3	700	10/77	04/79	X	X	
PNB	Portland 2, Ore.	PTLDOR6202T	4A/3	403	09/72	03/74			Repl. SXS
	Seattle 2, Wash.	STTLWA0602T	4A/3	484	07/72	04/74	X	X	
	Tacoma 2, Wash.		4E/3	632*	03/78	11/78	X	X	
	Albany, Ore.		1E/4	180	06/75	03/76	X	X	
	Roseburg, Ore.		1E/3	129	07/77	03/78	X	X	
	Klamoth Falls, Ore.		1E/3	130	04/78	01/79	X	X	
PAC.	San Francisco 2, (Folsom), Cal.	SNFCCA2142T	4A/4	610	12/72	03/74	X		Repl. XBT
	Stockton 2, Cal.	SKTNCA0110T	4A/2	293	02/73	04/74			
	Anaheim 2, (Lemon), Cal.	ANHMCA0177T	4A/4	633	02/73	05/74			
	Sherman Oaks 3, Cal.	SHOKCA0373T	4A/4	1143	11/72	10/74			
	Santa Clara, Cal.		4A/2	437	10/73	03/75			
	Gardena 3, Cal.	GRDNCA0231T	4A/4	749	03/74	05/75			
	Santa Rosa 2, Cal.	SNRSCA0236T	4A/2	387	01/74	05/75			
	Sacramento 3, Cal.	SCRMCA0404T	4E/2	600*	07/76	11/77	X	X	
	San Diego 3, Cal.	SNDGCA0703T	4E/4	375*	07/77	04/78	X	X	
	Walnut Creek, Cal.		4A/4	964	12/77	03/79	X		
San Jose 3, Cal.		4E/2	500*	12/77	04/79	X	X		
Glendale 2, Cal.	GLDLCA0270T	4E/4	960*	03/78	04/79	X	X		
SNE	Bridgeport 4, Conn.	BRPTCT0403T	4A/3	758	11/73	04/75	X	X	
CINN.	Cincinnati 2, Ohio	CNCNOHWS14T	4E/2	500*	03/77	03/78			

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CO.	LOCATION	CLLI	TYPE/ CLASS	FRMS.	DATES		CAMA	ANI	REMARKS
					SHIP	SERVICE			
CAN. (Bell)	Thunder Bay, Ont.	TDBAON3201T	SP1/3	-	-	06/74	X	X	Repl. SXS
	Oshawa, Ont.	OSHWON9501T	SP1/4	-	-	04/75	X	X	Repl. 5XB
	Montreal 3, Que.	MTRLPQ	SP1/4	-	-	03/76	X	X	
	St. Catharines, Ont.	STCTON1001T	SP1/4	-	-	03/76	X	X	Repl. SXS
	Toronto 4, Ont.	TOROON	SP1/4	-	-	02/77	X	X	
	London 2, Ont.	LONDON	SP1/3	-	-	03/77	X	X	Repl. XBT
	Quebec 2, Que.	QUBCPQ	SP1/2	-	-	03/77	X	X	Repl. XBT
Non- Bell	Myrtle Beach, S.C.		NEXBT/4	-	-	03/74			Repl. SXS
	Rocky Mount, N.C.	RCMTCXAO2T	4A/3	-	02/73	04/74			Repl. SXS
	North Prarie, Wisc.		EAX/4	-	-	08/74			
	Sarasota, Fla.	SRSTFLXA03T	4A/4	-	06/73	10/74	X		Repl. SXS
	Lexington, Ky.	LXTNKYXA06T	ETS4/4	-	06/73	04/75	X	X	Repl. SXS
	Anchorage, Alaska	ANCRAKZA01T	SP1/4	-	-	04/75	X	X	
	Long Beach 4, Cal.	LNBHCAXP40T	ETS4/4	-	-	05/75			
	Woodbridge, Va.	WDBGVAX401T	ETS4/4	-	-	05/75			
	Tampa 2, Fla.	TAMPFLXA03T	4A/4	-	04/74	08/75	X		
	London, Ky.		ESCL/4	-	-	09/75	X		Repl. SXS
	Concord, N.C.		EAX/4	-	-	4Q-75	X		Repl. SXS
	Fairbanks, Alaska	FRBNAKZA01T	SP1/4	-	-	1975	X	X	
	Erie, Pa.	ERIEPAXH81T	ETS4/4	-	06/75	01/76	X		Repl. SXS
	Elizabethtown, Ky.		EAX/4	-	-	05/76	X		Repl. SXS
	Santa Monica, Cal.	SNMNCAXP41T	ETS4/4	-	-	06/76			
	Winter Haven, Fla.	WNHNFLXAO2T	4A/4	-	06/75	10/76	X		
	Rice Lake, Wisc.		EAX/4	-	-	10/76			
	Calgary, Alb.	CLGRAB0101T	SP1/2	-	-	4Q-76	X	X	Repl. SBT
	York, Pa.	YORKPAXM89T	EAX/4	-	-	1977	X	X	Repl. SXS
	Regina, Sask.	REGNSK	EBC/1	-	-	1Q-78	X	X	Repl. XBT
Ontario, Cal.	ONTRCAXP91T	ETS4/3	-	-	04/78				
Lexington, Ky.		ETS4/3	-	-	05/78	X			
Wausau, Wisc.	WAUSWIXB41T	BEAX/4	-	-	1978	X		Repl. SXS	

For this chart, the term "replace" means to "replace the function of", not necessarily to retire and/or remove the older switching equipment.

* Equivalent 4A frames.

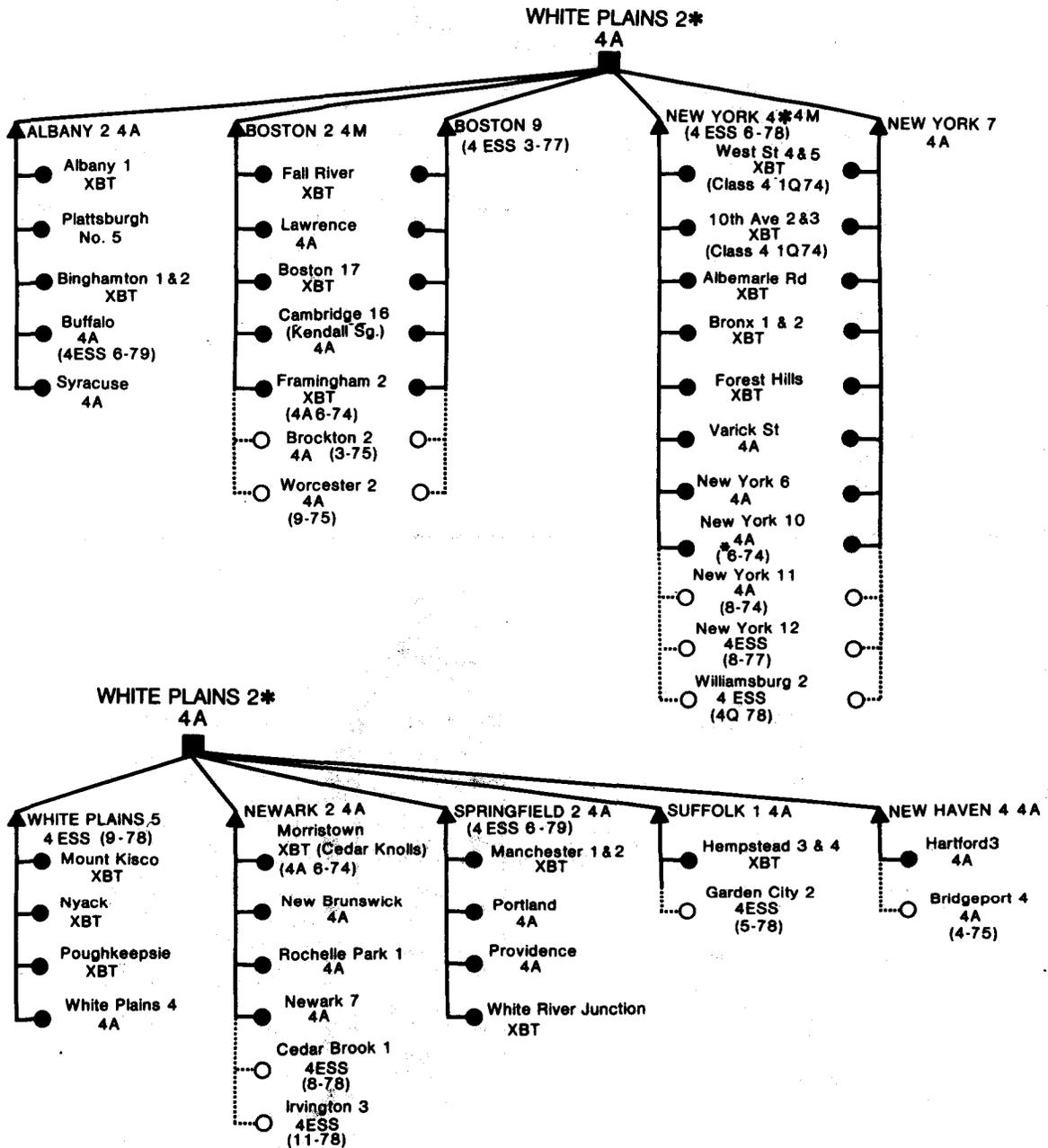
** BASED ON APRIL, 1974 CONSTRUCTION BUDGET VIEW

Chart 11 A

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS

(Present & Future Arrangements through 1979)

(Based on April 1974 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		

IN SERVICE 12-31-73 _____

PLANNED BY END OF 1979

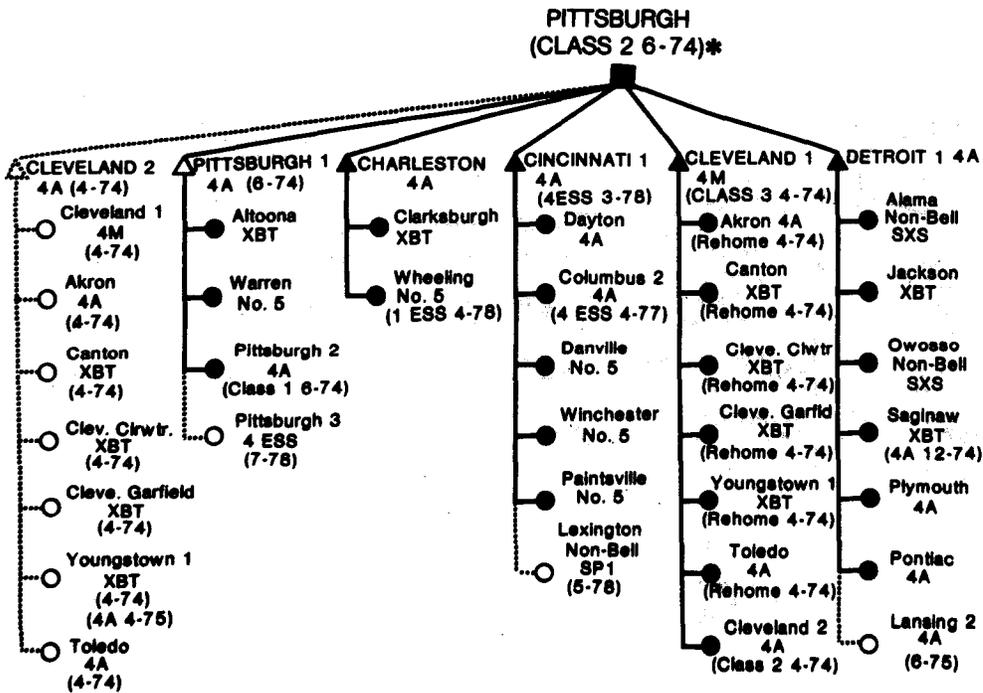
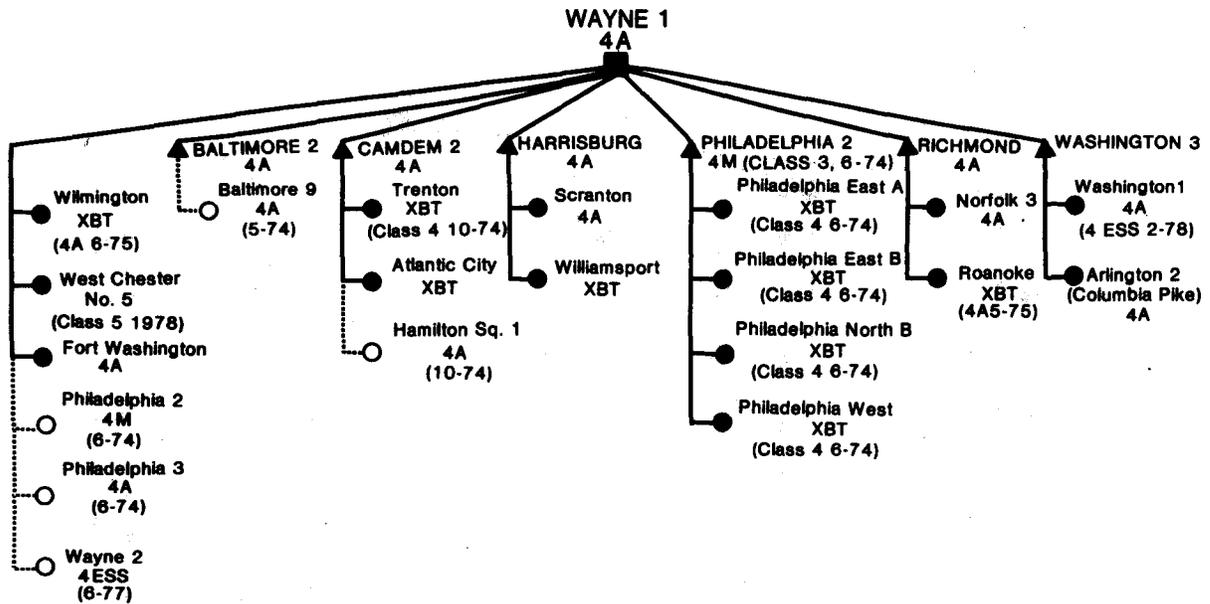
FINAL GROUP

Chart 11B

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS

(Present & Future Arrangements through 1979)

(Based on April 1974 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		

IN SERVICE 12-31-73 _____

PLANNED BY END OF 1979 _____

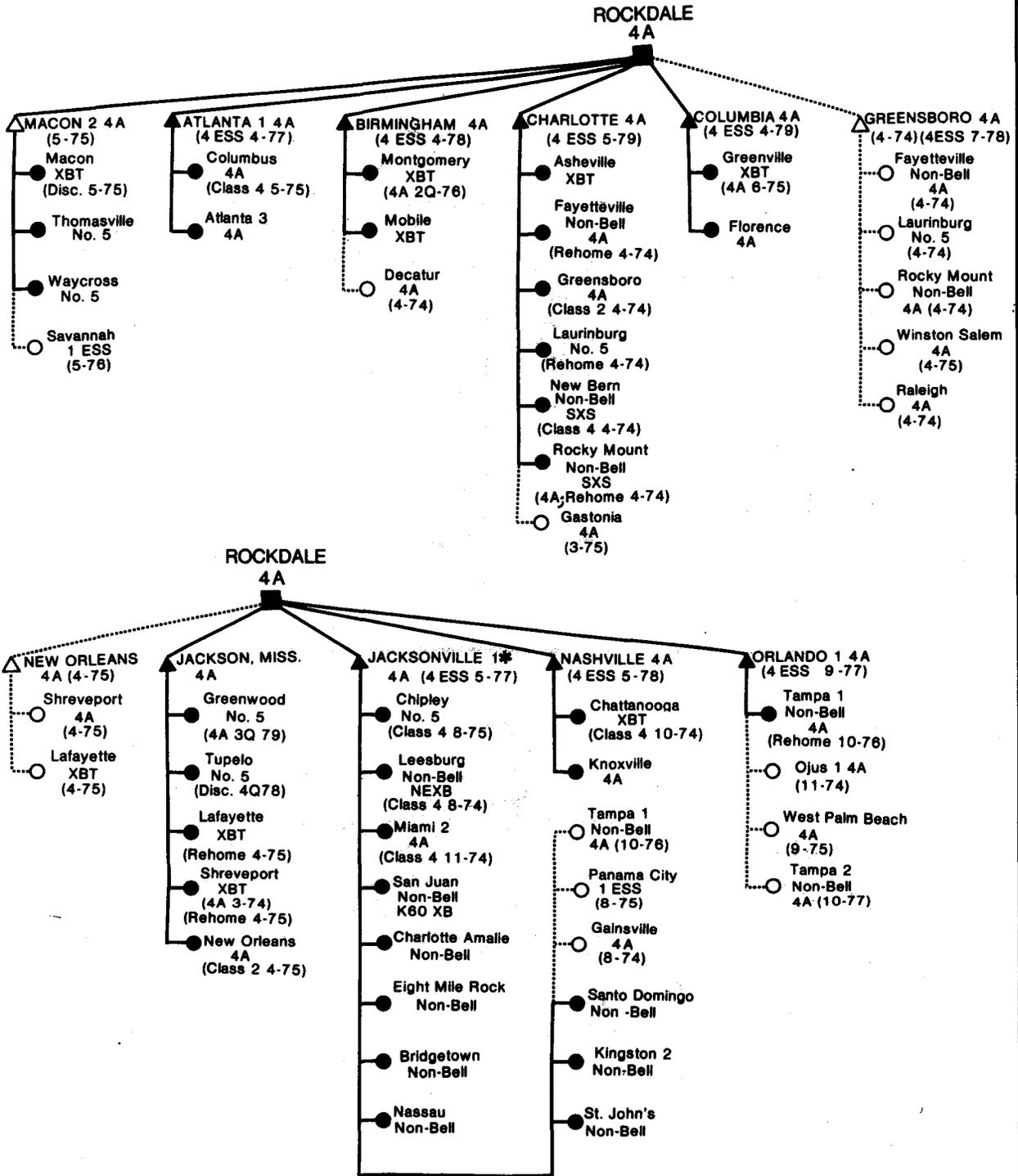
FINAL GROUP

Chart 11 C

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS

(Present & Future Arrangements through 1979)

(Based on April 1974 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

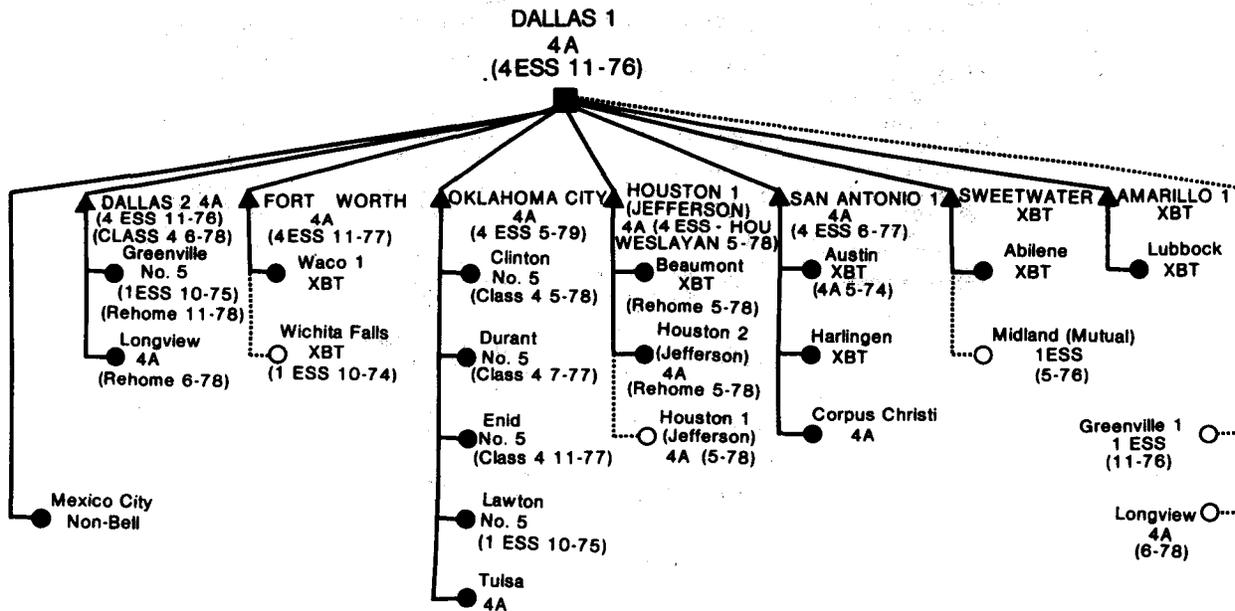
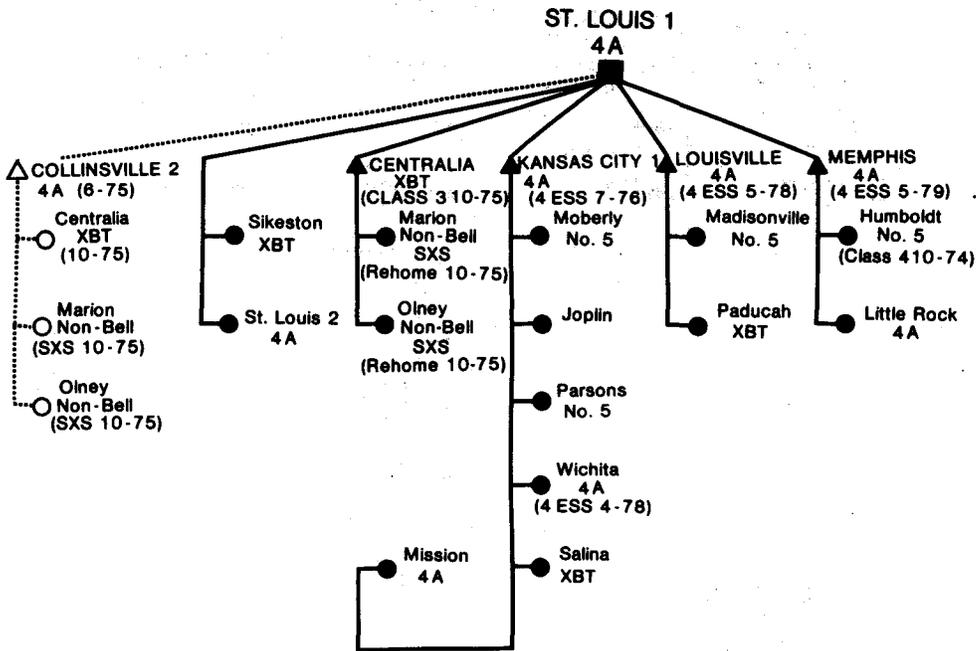
IN SERVICE 12-31-73 _____

PLANNED BY END OF 1979

FINAL GROUP

Chart 11D

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS (Present & Future Arrangements through 1979) (Based on April 1974 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

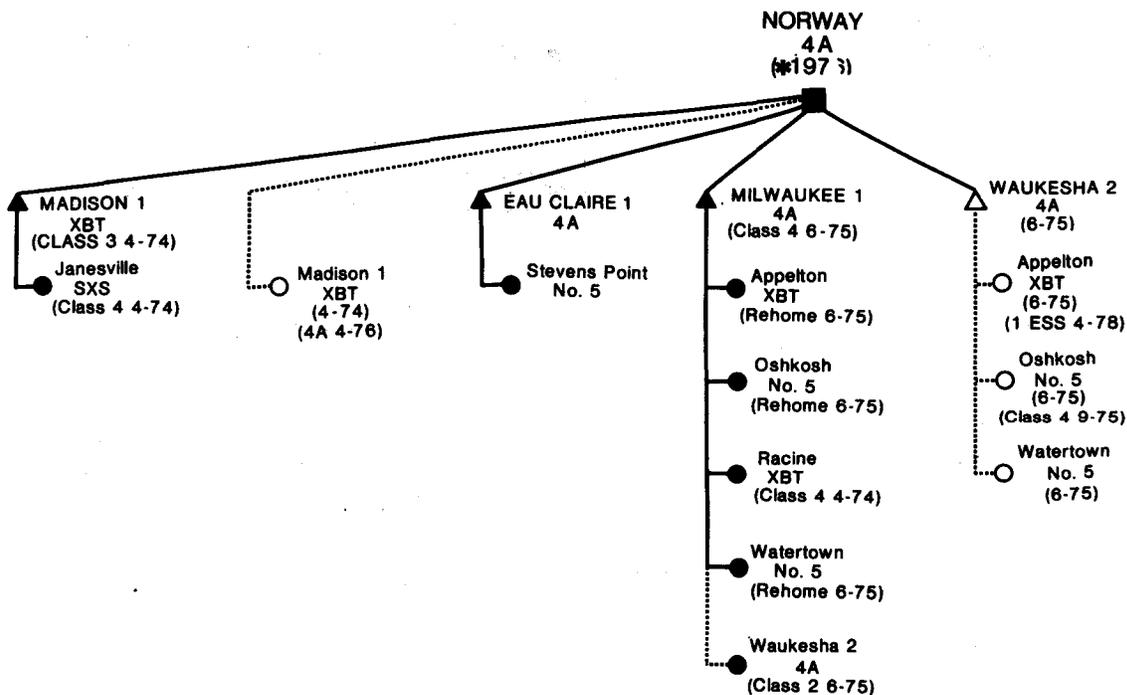
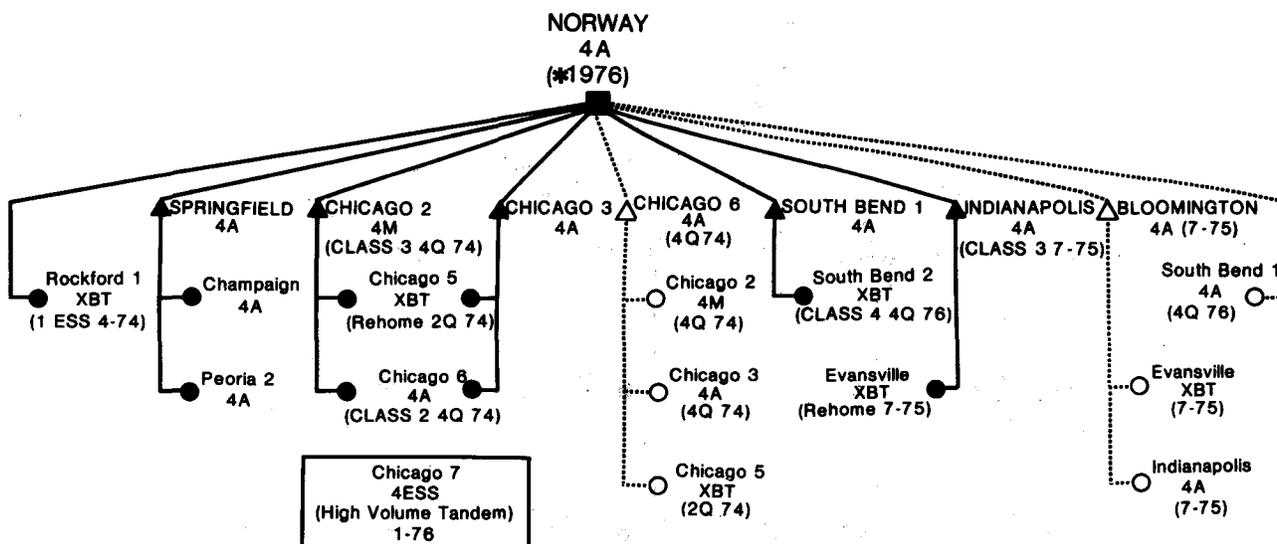
IN SERVICE 12-31-73 _____ FINAL GROUP
 PLANNED BY END OF 1979

Chart 11E

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS

(Present & Future Arrangements through 1979)

(Based on April 1974 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		

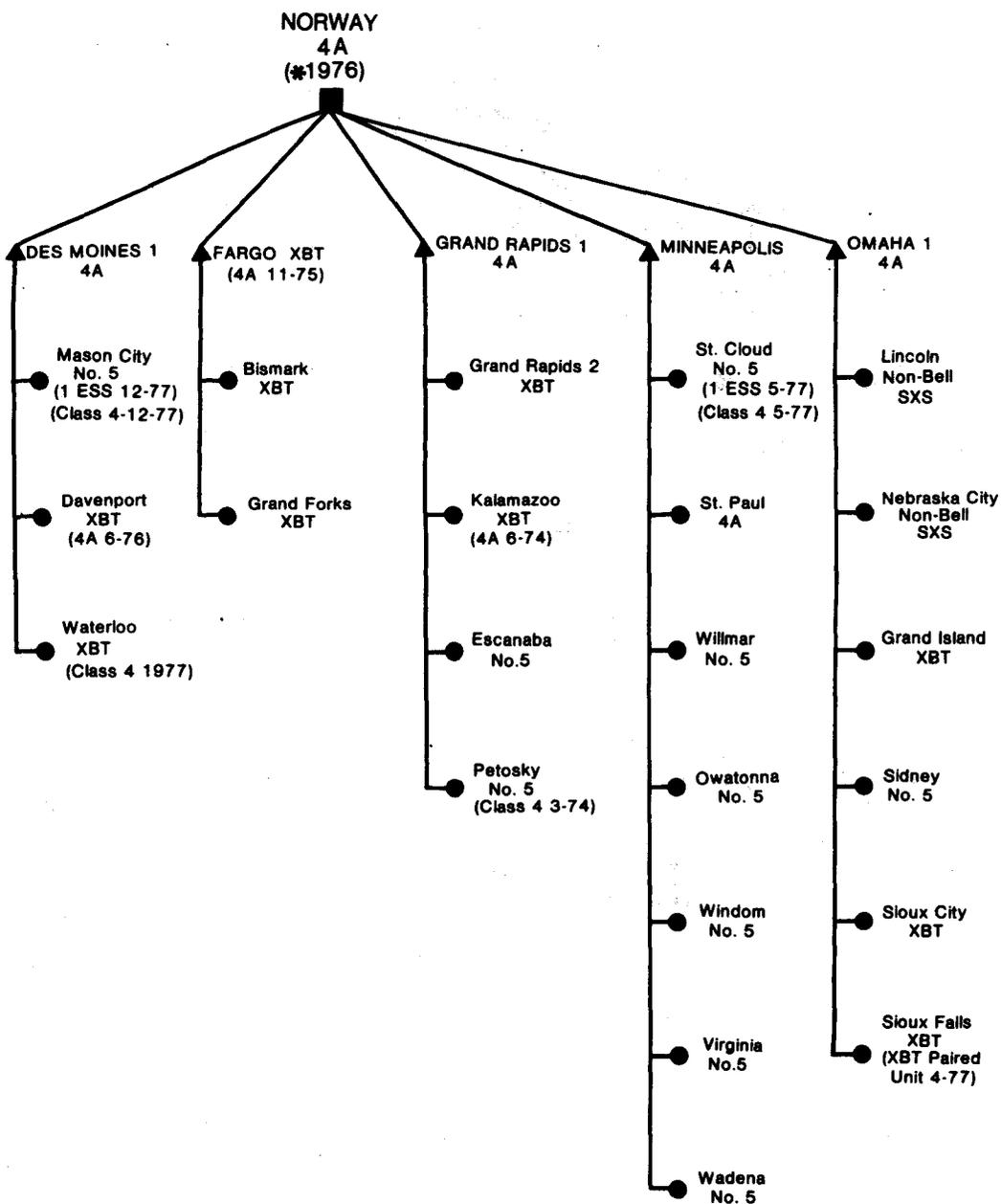
IN SERVICE 12-31-73 _____
 PLANNED BY END OF 1979

Chart 11F

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS

(Present & Future Arrangements through 1979)

(Based on April 1974 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	

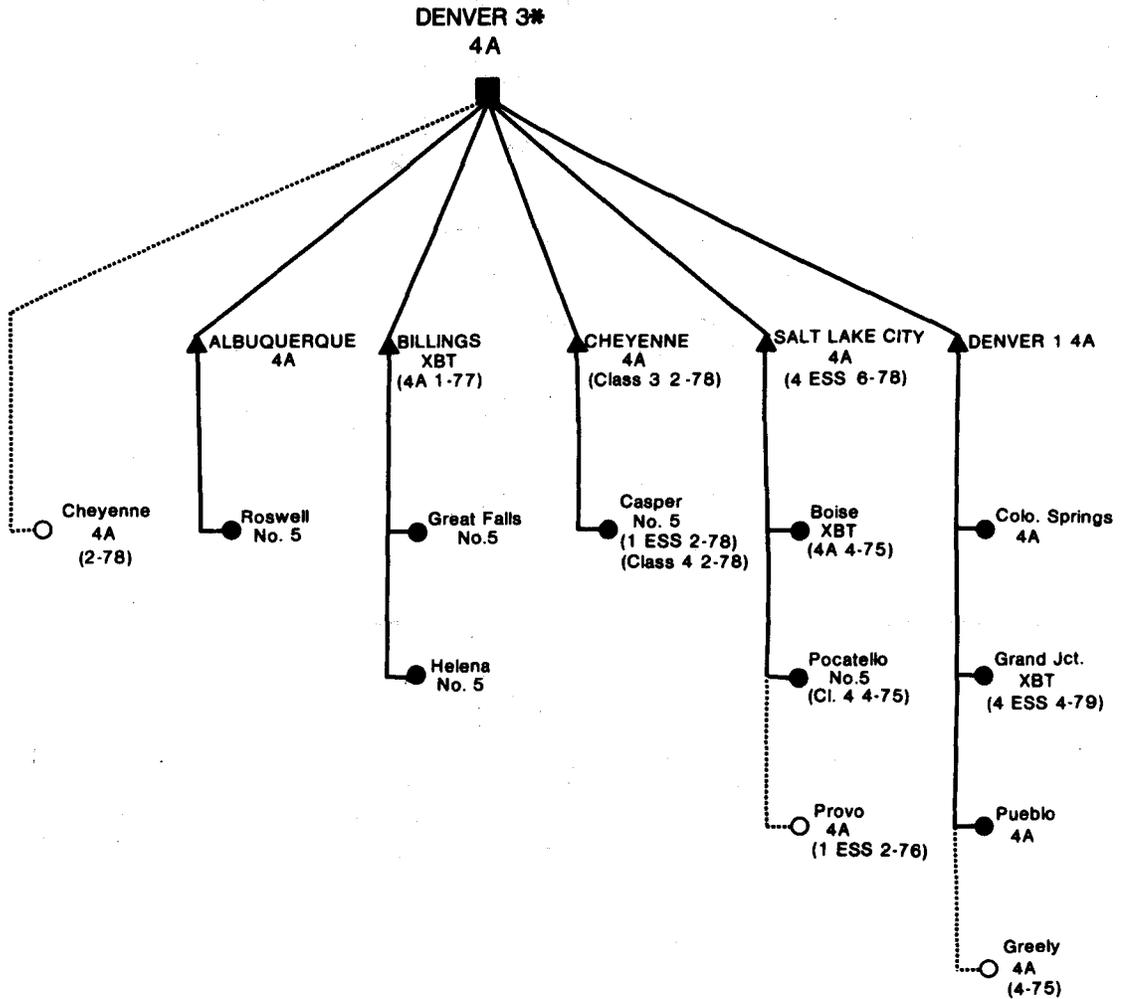
IN SERVICE 12-31-73 _____

PLANNED BY END OF 1979

FINAL GROUP

Chart 11 G

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS (Present & Future Arrangements through 1979) (Based on April 1974 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		

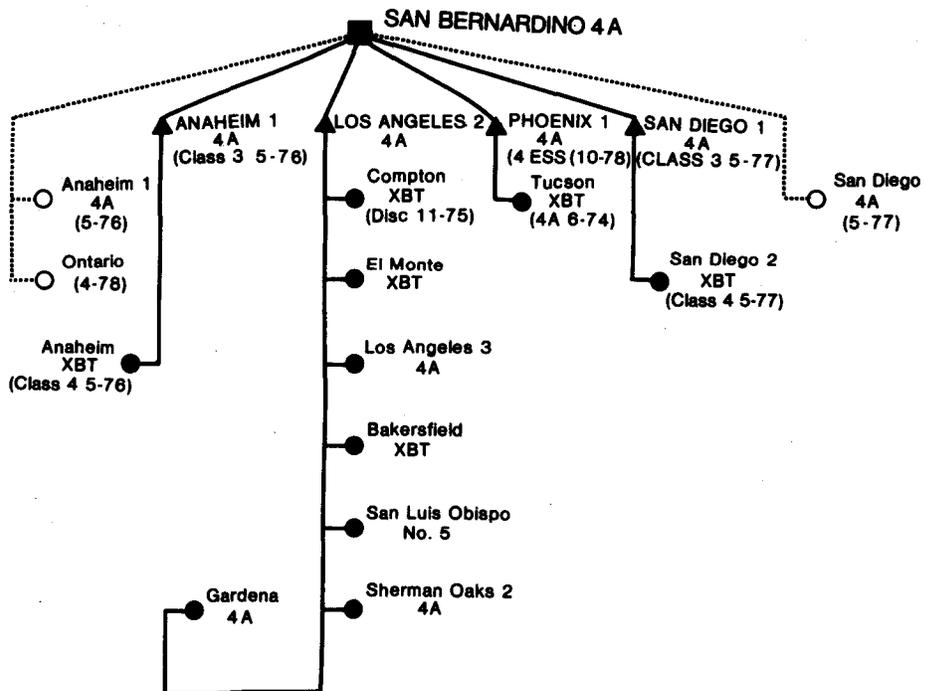
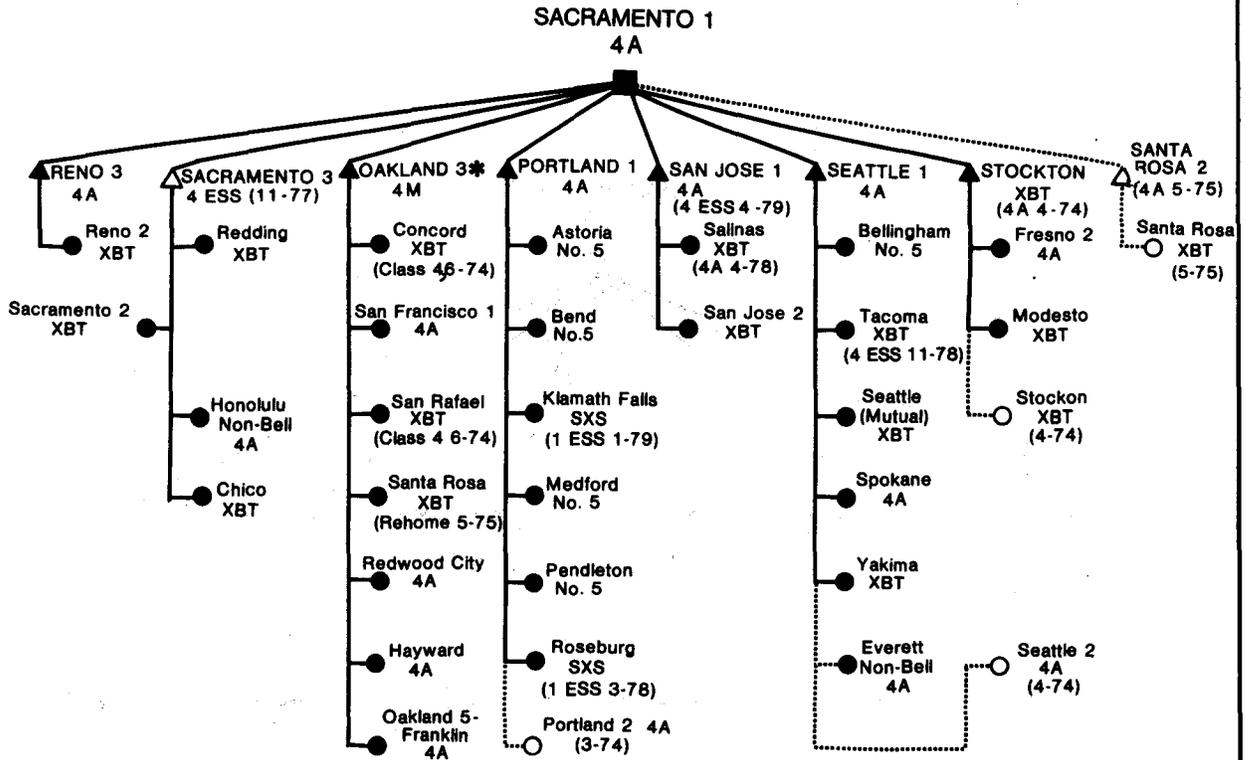
IN SERVICE 12-31-73	FINAL GROUP
PLANNED BY END OF 1979

Chart 11H

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS

(Present & Future Arrangements through 1979)

(Based on April 1974 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

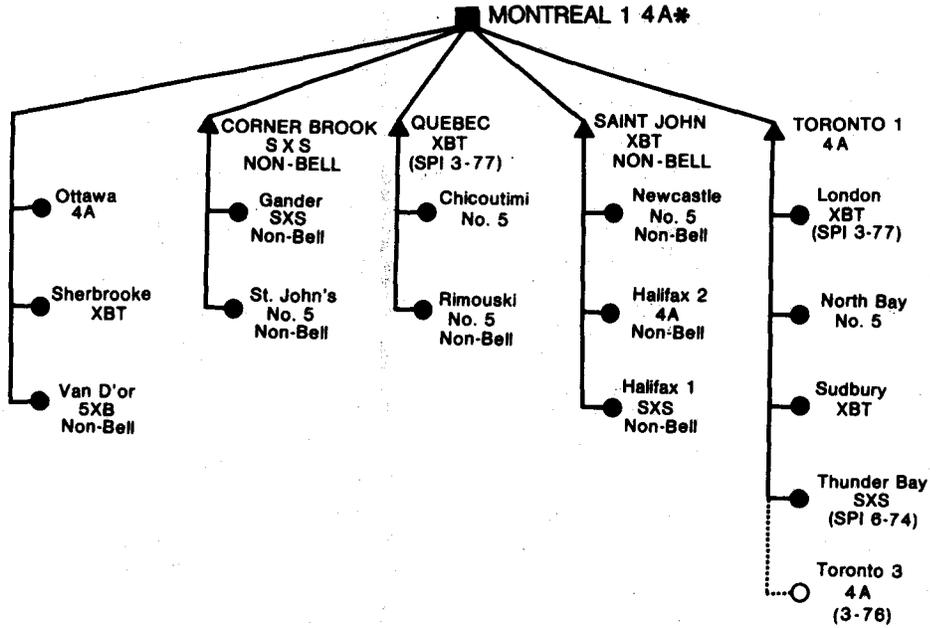
IN SERVICE 12-31-73 _____

PLANNED BY END OF 1979 _____

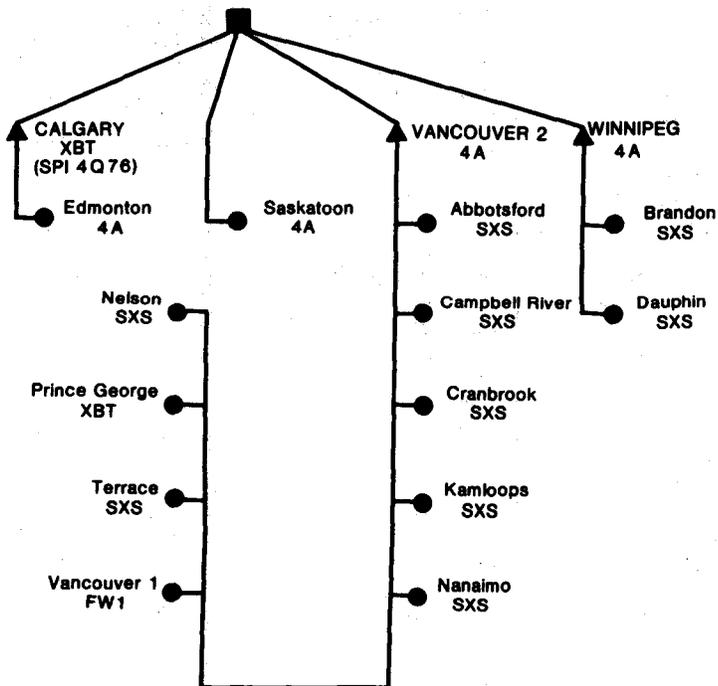
FINAL GROUP

Chart 111

CONTROL SWITCHING POINTS AND THEIR HOMING ARRANGEMENTS (Present & Future Arrangements through 1979) (Based on April 1974 Construction Budget View)



REGINA XBT (ELECTRONIC 1Q78)



NOTE:
ALL REGINA LOCATIONS ARE NON-BELL

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 12-31-73 _____

PLANNED BY END OF 1978 _____

Chart 12

NUMBERING PLAN AREA PRINCIPAL CITIES END OF 1973

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	Vancouver 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	*Salt Lake City, Utah	608	Wisconsin	Madison 1
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
215	Pennsylvania	Wayne	615	Tennessee	Nashville
216	Ohio	Cleveland 2	616	Michigan	*Grand Rapids 1
217	Illinois	Springfield	617	Massachusetts	Boston 2 & 9
218	Minnesota	*Minneapolis	618	Illinois	Centralia
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	*Rockdale, Georgia	707	California	Santa Rosa
306	Saskatchewan	Regina	709	Newfoundland	*Montreal 1, Quebec
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 2 & 3	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	Wichita	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
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	*Indianapolis
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	Milwaukee 1	816	Missouri	*Kansas City
415	California	Oakland 3	817	Texas	Fort Worth
416	Ontario	*Toronto 1	819	Quebec	*Montreal 1
417	Missouri	Joplin	901	Tennessee	Memphis
418	Quebec	Quebec	902	Nova Scotia and Prince Edward Island	Halifax 1
419	Ohio	Toledo			
501	Arkansas	Little Rock	903	Mexico	*San Bernardino, Calif.
502	Kentucky	Louisville	904	Florida	*Jacksonville
503	Oregon	Portland 1	905	Mexico	Mexico City
504	Louisiana	New Orleans 1	906	Michigan	*Grand Rapids 1
505	New Mexico	Albuquerque	907	Alaska	*Seattle 1, Washington
506	New Brunswick	St. John	912	Georgia	*Rockdale
507	Minnesota	*Minneapolis	913	Kansas	Mission, Kansas
509	Washington	Spokane	914	New York	White Plains 2
512	Texas	San Antonio	915	Texas	Sweetwater
513	Ohio	*Cincinnati	916	California	Sacramento 1
514	Quebec	*Montreal 1	918	Oklahoma	Tulsa
515	Iowa	*Des Moines	919	North Carolina	Greensboro
516	New York	Suffolk			
517	Michigan	*Detroit 1			
518	New York	Albany 2			
519	Ontario	*Toronto 1			

*Principal City for more than one NPA.

TRAFFIC SERVICE POSITIONS SYSTEM NO. 1
 IN SERVICE - 1974-1979
 (BASED ON APRIL 1974 CONSTRUCTION BUDGET VIEW)

CO.	LOCATION	SHIP DATE	SERVICE DATE	CO.	LOCATION	SHIP DATE	SERVICE DATE	
NE	Lawrence, Mass.	02/74	09/75	SO	Greensboro, NC	4Q-72	1Q-74	
	Brockton, Mass.	05/75	04/76		Atlanta 3, Ga. (Ivy St.)	03/73	05/74	
	Providence, R.I.	07/75	09/76		Ojus 2, Fla.	06/73	08/74	
NY	White Plains	11/71	01/74		Columbia, SC	01/73	08/74	
	Syracuse	10/74	07/75		Macon 2, Ga.	04/74	05/75	
	Garden City	04/76	04/77		West Palm Beach 1, Fla.	06/74	09/75	
	Williamsburg 1	01/77	01/78		Columbus, Ga.	01/75	11/75	
	Buffalo	06/77	08/78		Savannah, Ga.	05/75	05/76	
					Daytona Beach, Fla.	07/75	08/76	
NJ	Newark	06/73	07/74		Greenville, S.C.	01/76	12/76	
	Hamilton Square	02/74	01/75		Gastonia, N.C.	1Q-77	1Q-78	
	Freehold	02/76	03/77		Southeast Fla.	06/78	09/79	
PA					West Palm Beach 2, Fla.	09/78	09/79	
	Ft. Washington	04/73	05/74		SOCN	Knoxville, Tenn.	05/73	05/74
	Harrisburg	11/74	11/75		Shreveport, La.	11/74	10/75	
	Scranton	01/76	12/76	Baton Rouge, La.	01/76	12/76		
	Greensburg	06/76	12/76	Lafayette, La.	10/76	10/77		
Altoona	1Q-77	4Q-77	Gulfport, Miss.	2Q-76	1Q-78			
C&P	Baltimore 1, Md.	10/72	03/74	OHIO	Toledo	01/73	06/74	
	Columbia Pike, Va.	11/73	01/75	MICH	Pontiac	12/73	03/75	
	Roanoke, Va.	07/76	09/77		Detroit	12/74	02/76	
			Grand Rapids		1Q-76	2Q-77		
			Lansing		1Q-76	2Q-77		

TRAFFIC SERVICE POSITIONS SYSTEM NO. 1
IN SERVICE - END OF 1973
(BASED ON APRIL 1974 CONSTRUCTION BUDGET VIEW)

CO.	LOCATION	SHIP DATE	SERVICE DATE	CO	LOCATION	SHIP DATE	SERVICE DATE		
MICH	Saginaw	1Q-76	2Q-77	SW	Midland (Mutual), Tex.	02/76	03/77		
	Traverse City	2Q-78	2Q-79		San Antonio 2, Tex.	04/76	05/77		
IND	Indianapolis	08/76	08/77		Houston (Beaumont), Tex.	06/76	05/77		
					Lubbock, Tex.	07/76	08/77		
WISC	Madison	05/75	04/76		Mission, Kan.	02/77	04/78		
		Appleton	02/77		04/78	St. Louis 2, Mo.	01/78	03/79	
ILL	Oak Brook	05/73	10/74		MTN	Albuquerque	05/75	03/76	
		Northbrook	10/74			10/75	Phoenix	08/75	11/76
		Springfield	2Q-77			3Q-78	Tucson, Ariz.	02/76	05/77
NW	Omaha, Neb.	03/74	03/75			Salt Lake City, Utah	01/76	10/77	
		Des Moines, Ia.	01/76	12/76		Mesa, Ariz.	04/77	06/78	
SW	Davenport, Ia.	1Q-77	1Q-78	PAC	Sherman Oaks 3, Cal.	08/63	10/74		
		Dallas 3, Tex.	09/72		03/74	Reno, Nev.	03/74	05/75	
	Wichita Falls, Tex.		01/73	10/74	Anaheim 2, Cal.	06/76	05/77		
	Little Rock, Ark.		04/73	06/74	San Jose, Cal.	01/77	03/78		
	Austin (Greenwood), Tex.		09/73	10/74	Gardena, Cal.	07/77	07/78		
	Corpus Christi, Tex.		07/74	08/75	Sacramento, Cal.	06/78	06/79		
	Wichita, Kan.		07/75	09/76	Fresno, Cal.	10/77	10/79		
	Houston (Weslayan), Tex.		01/76	01/77	SNE	Hartford 3, Conn.	04/73	08/74	

DISTANCE DIALING COORDINATORS - AS OF JUNE 1, 1974

CO.	AREA	LOCATION	COORDINATOR	TEL. NO.	CO.	AREA	LOCATION	COORDINATOR	TEL. NO.						
N.E.	Staff Mass. No. States Rhode Island	Boston	J. F. Beer	617-743-4835	NW	Staff Minnesota Iowa Nebraska So. Dakota No. Dakota	Omaha	G. H. Sanders	402-422-2274						
		Framingham	J. K. Packhen	617-879-9576			Minneapolis	E. O. Bernard	612-344-6118						
		Manchester	R. A. Leask	603-645-3323			Des Moines	N. E. Bohner	515-281-6997						
		Providence	J. I. Macomber	401-525-2516			Omaha	F. D. Fieck	402-422-3863						
N.Y.	Staff Eastern Western Mid-State Central Northern	New York	A. B. Bortz	212-394-1248	SW	Staff Arkansas Kansas Kansas City St. Louis Oklahoma Dallas Houston San Antonio	St. Louis	C. H. Strandberg	314-247-3804						
		Albany	R. S. Knapp	518-471-2878			Little Rock	G. W. Schild	501-371-5703						
		Buffalo	D. D. Ince	716-857-6121			Topeka	H. L. Thompson	913-357-2811						
		New York	R. Turker	212-370-2810			Kansas City	W. N. Schmit	816-275-8510						
		Syracuse	D. W. Haller	315-422-1397			St. Louis	F. F. Stieffermann	314-247-4469						
		Utica	J. D. Favaloro	315-738-7361			Oklahoma City	F. W. Kamp	405-236-7258						
N.J.	Staff	Newark	R. J. Smith	201-649-3465	Dallas	Dallas	K. D. McBee	214-745-3836							
PA	Staff Philadelphia Philadelphia Eastern Central Western	Philadelphia	R. J. Redilla	215-466-3284	MTN	Staff Arizona El Paso Colorado Idaho Montana New Mexico Utah Wyoming	Denver	F. E. Marick	303-266-4516						
		Philadelphia	T. J. Watson	215-466-4042			Phoenix	L. T. Slobodnjak	602-261-6366						
		Philadelphia	H. A. Fischer	215-466-4377			El Paso	D. H. Becker	915-543-4455						
		Harrisburg	A. H. Peters	717-255-4582			Denver	J. A. Stinson	303-624-7657						
C&P	Staff Washington Maryland Virginia W. Virginia	Washington	M. E. Ricketts	202-392-5556	Idaho	Boise	L. L. Dieter	208-385-2371							
		Washington	M. J. Dumas	202-392-3111			Montana	W. F. Rauch	406-449-3300						
		Baltimore	D. E. Creswell	301-393-2548			New Mexico	S. P. Bader	505-765-7454						
		Richmond	W. D. Cauley	804-772-5791			Utah	C. J. Sartore, Jr.	801-524-6428						
Charleston	R. A. Taylor	304-344-6572	Wyoming	Cheyenne	S. E. Samansky	307-634-2456									
SO	Staff No. Florida So. Florida S. E. Florida Georgia-Metro Georgia-Outstate No. Carolina So. Carolina	Atlanta	R. A. White	404-529-7271	PNB	Staff Wash-Idaho Oregon	Seattle	G. D. Frampton	206-345-4060						
		Jacksonville	R. A. Widell	904-353-2668			Seattle	R. P. Kersten	206-345-3700						
		Miami	E. W. LaCagnin	305-263-3655			Portland	P. V. Perletti	503-226-5560						
		Ft. Lauderdale	R. B. Vogel	305-776-3506			PAC	Staff Northern Sector Southern Sector Bay Los Angeles Nevada	San Francisco	M. J. Polosky	415-542-3164				
		Atlanta	R. W. Gunnin	404-256-2262					Sacramento	H. C. Jessen	916-482-3268				
		Atlanta	G. M. Stone	404-877-3316					San Diego	W. D. Hess	714-238-2271				
		Charlotte	G. K. Robinson	704-372-1591					San Jose	C. C. Inserra, Jr.	408-291-2947				
		Columbia	W. A. Humphries	803-252-4385					Alhambra	W. R. Gowan	213-576-6066				
		SOCN	Staff Alabama Kentucky Louisiana-State Louisiana-Metro Mississippi Tennessee	Birmingham					H. D. Adamson	205-321-8580	L.L.	Staff NE-NJ,Conn. NE-New Eng.,NY NY Central Southern Midwestern Eastern-Pa. Eastern-C&P Western	New York	T. N. Clark	212-393-6894
				Birmingham					C. W. Jefferson	205-321-2151			White Plains	A. R. Klappas	914-320-2263
Louisville	A. P. Crump			502-582-8719	White Plains	S. Gutilla			914-320-2295						
New Orleans	J. P. Zarich			504-831-4488	City	R. W. Hoffmann			212-334-4185						
New Orleans	W. R. Seay	504-529-8551	Jackson	G. L. Robertson	601-948-3725	Chicago			J. W. Duncan	312-885-8500					
	Nashville	V. E. Matthews		615-298-7470	Atlanta	C. N. Weaver	404-529-5228								
OHIO	Northeast Southwest	Cleveland	E. W. Hubman	216-822-7679	Midwestern	Kansas City	H. W. Townsend	816-391-2423							
		Columbus	T. G. Andrian	614-463-7542		Washington, D.C.	D. J. Sandov	202-466-3551							
MICH	Metro No. & So.	Southfield	J. A. McGill	313-424-0075	Eastern-C&P	Washington, D.C.	J. L. Torbert	202-466-3396							
		Southfield	G. W. Treusch	313-424-0061		San Francisco	F. J. Curran	415-442-2226							
IND	-	Indianapolis	L. R. Carr	317-630-5161	SNE	-	New Haven	H. J. Beaudin	203-771-6569						
WISC	-	Milwaukee	W. F. Ribbens	414-393-2164	CINW	-	Cincinnati	R. E. Sigmon	513-397-4151						
ILL	Chicago State Suburban	Chicago	R. L. McDowell	312-727-6193	CAN	Ntwk. Opns. - West Ntwk. Opns. - East Trans-Canada	Toronto	J. H. Carson	416-361-4510						
		Springfield	R. B. Fitts	217-789-5940			Montreal	L. Fontaine	514-870-7389						
		Chicago	B. C. Mason	317-727-1851			Ottawa	J. H. W. deLaunay	613-239-2916						

IDDD INDEPARTMENTAL COORDINATORS - AS OF JULY 1, 1974

CO.	COORDINATOR	TEL. NO.	REMARKS	CO.	COORDINATOR	TEL. NO.	REMARKS
NE	A. J. Troy	617-743-2537		PNB	J. G. Kent	206-345-6933	
NY	W. R. McCarthy	212-736-8232		PAC	C. F. Peissner	415-399-5965	
NJ	R. C. Harrison	201-649-3292		L.L.	V. Sawicki	914-320-4059	Northeastern Area
PA	R. Smith	215-466-4096	Overall Co. & Engrg.		G. M. Rapp	212-393-7211	New York City Area
	M. Saunders	215-466-3000	Operations		T. B. Washburn	202-466-3294	Eastern Area
C&P	J. C. Jollowell	202-392-8941	Overall Coordinator		R. N. Stine	904-353-3713	Southern Area
	E. E. Goodrich	202-392-2231	Washington		W. A. Hopkinson	312-641-8040	Central Area
	C. H. Brooks	301-393-2470	Maryland		N. S. Brown	816-391-2465	Midwestern Area
	W. D. Cauley	804-772-5791	Virginia		F. C. McAter	415-442-2598	Western Area
	W. C. Hogue	304-344-7686	West Virginia	SNE	G. K. Johnson	203-771-3324	
SO	W. S. Campbell	404-529-8032	IOTC	CINN	W. L. Reeves	513-397-2231	
	P. E. Eddings	404-529-8411	IDDD	CAN	W. H. Snuggs	613-230-4468	IOTC
SOCN	G. C. Newcomer	205-321-8529	Overall Coordinator		J. Troughton	613-230-2983	IDDD
	R. T. Mason	205-321-8494	Traffic Matters	AT&T	R. J. Cooper	212-393-3849	Engineering Matters
OHIO	D. E. Poynter	216-822-2863			G. F. Nichols, Jr.	212-393-4506	Traffic Matters
MICH	K. Killoran	313-424-0571			G. E. Osborne	212-393-2139	Commercial Matters
IND	R. C. Harold	317-630-2255			R. A. Archey	212-393-2458	Plant Matters
WISC	J. H. Swabe	414-393-2286			R. I. MacGregor	212-393-2832	Comptrollers Matters
ILL	E. C. Alexander	312-727-1568			D. M. Sullivan	212-393-8413	Public Relations Matters
NW	H. E. Schory	402-422-3549					
SW	T. R. Hanske	314-247-4654					
MTN	I. F. Gooch	303-266-8687					

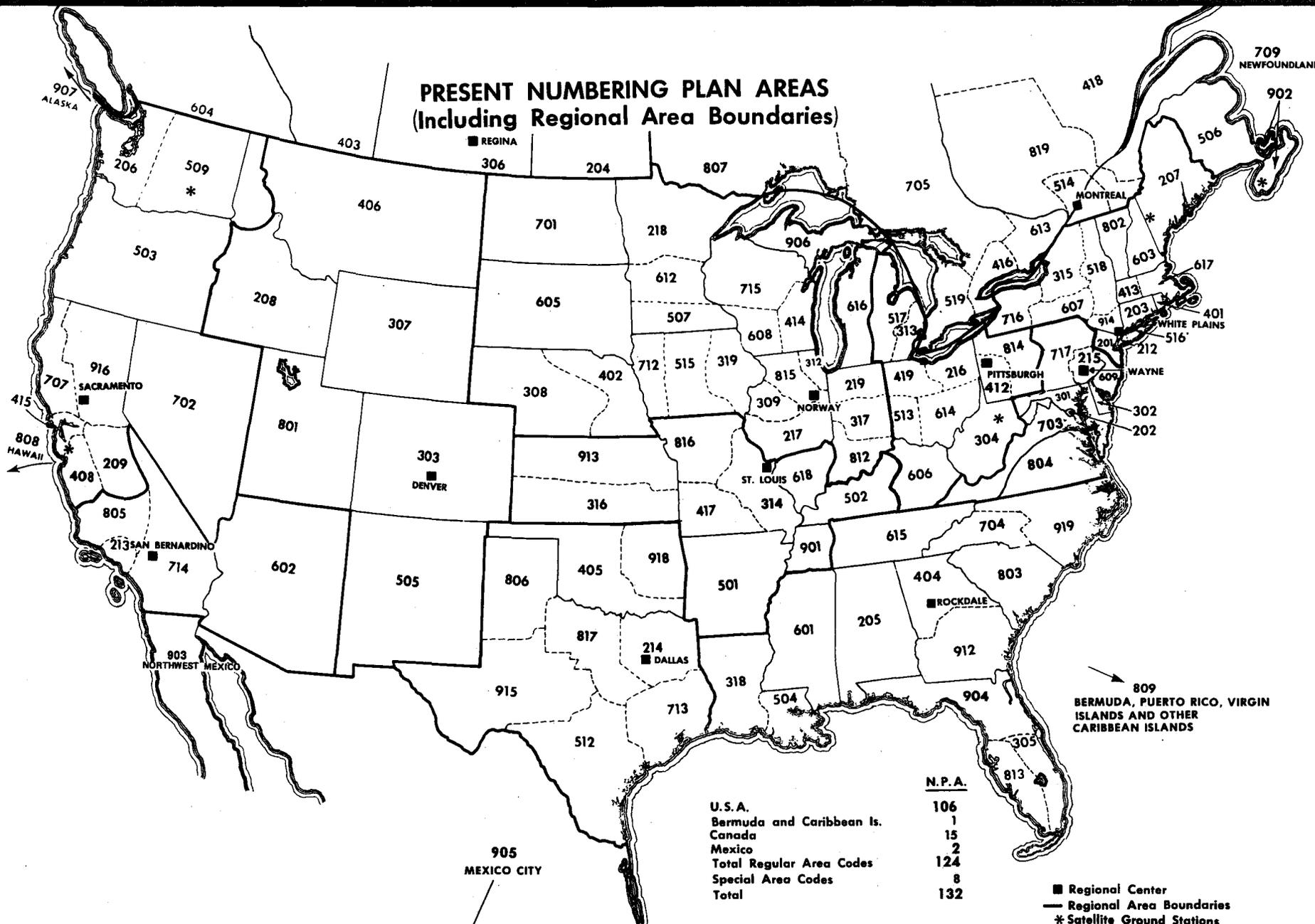
PRESENT NUMBERING PLAN AREAS (Including Regional Area Boundaries)

■ REGINA

905
MEXICO CITY

N.P.A.	
U.S.A.	106
Bermuda and Caribbean Is.	1
Canada	15
Mexico	2
Total Regular Area Codes	124
Special Area Codes	8
Total	132

■ Regional Center
 — Regional Area Boundaries
 * Satellite Ground Stations



907 ALASKA

808 HAWAII

803 NORTHWEST MEXICO

905 MEXICO CITY

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

709 NEWFOUNDLAND

206

509 *

403

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