

SUBJECT: PBX Systems - 756A PBX Connection to Traffic Measurement System
No. 1A

FOR YOUR INFORMATION



**American Telephone
& Telegraph Company**

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TO: Chief Engineers (copies sent to General Plant and Traffic Managers)
MR. WALDO FROM: Engineering Director - Customer Telephone Systems

SYNOPSIS: The 756A PBX has been arranged to provide traffic usage leads to the Traffic Measurement System No. 1A.

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Development work has been completed to provide busy signals from selected circuits in the 756A PBX to the Traffic Measurement System No. 1A (TMS) Remote Scanner to indicate traffic usage. Prior to this development facilities were not available to measure usage of equipment within the PBX.

A standard method to connect the TMS Remote Scanner is provided for traffic usage measurements. PBX connections are provided on a house and feeder cable per J58829A, List 57. This cable, which is double-ended, furnishes four KS-16344, L1 jack assemblies and two KS-19162, L3 connectors for connection to the TMS Remote Scanner.

Ground signals or potentials of +10 VDC indicate two busy conditions. The equipment busy state is indicated by a circuit or trunk sending a signal over lead TU (Traffic Usage) for the total time it is busy. The interval between trunk seizure and attendant answer is indicated by the application of a signal on lead TU-A when a trunk circuit is seized incoming to an attendant. The signal is removed when the attendant answers the call.

Engineering requirements are covered in Attachment A and price and availability information is included in Attachment B.

Engineering Director

RIP:MZ
Attachments

Engineering requirements for this development are covered in the following circuit schematics, circuit descriptions, and J specifications.

<u>Description</u>	<u>Drawing</u>	<u>Issue</u>	<u>App.</u>	<u>Available</u>
Line, Link, and Marker Circuit	SD-65741-01 CD-65741-01	40D 8D		Now
Dial Pulse Register Circuit	SD-65742-01 CD-65742-01	31D 14D	1D	"
Cabling Diagram	SD-65746-01 CD-65746-01	49D 3D	8D	"
Junctor Circuit	SD-65750-01 CD-65750-01	8D 4B	3D	" "
C.O. Trunk	SD-65752-01 CD-65752-01	33D 12B	5D	"
Attendant Trunk Circuit	SD-65753-01 CD-65753-01	16D 7B	5D	"
Tie Trunk Circuit	SD-65756-01 CD-65756-01	7D 4B	1D	" "
Station Dial Trf Cont. Circuit	SD-66909-01 CD-66909-01	5D 1	4D	"
Cabling	SD-66920-01 CD-66920-01	16D 2D	1D	"
Station Dial Trf Trunk Circuit	SD-66921-01 CD-66921-01	7D 1	6D	" "
Equipment Specification (J58829)	BSP-809-820-150	9 Add. 2		4Q/70
Equipment Summarizing Specification (J58830)	BSP-809-820-151	7 Add. 4		4Q/70

The following Western Electric Drawings pertain to this development.

<u>Description</u>	<u>Drawing</u>
Cabinets 1 & 2 and cables	J58829A
Slide Unit 2	J58829C
Slide Unit 3	J58829D
Slide Unit 4	J58829E
Slide Unit 5	J58829F
Slide Unit 6	J58829G
Line Link and Marker	J58829H
Dial Pulse Register	J58829J
Two-way Central Office Trunk	J58829M
Attendant trunk	J58829N
Junctor	J58829P
Tie Trunk	J58829T
Station Dial Transfer Trunk	J58829AG
Summarizing Specification	J58830A

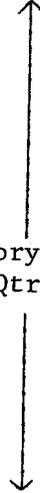
The following BSP sections will be available in April 1971.

BSP 551-174-210 - Traffic Measurement System 1A -
Identification, Installation and
Connections - 756A PBX

BSP 551-174-501 - Traffic Measurement System 1A -
Circuit Tests - 756A PBX

The Western Electric Company advises the 756A PBX's arranged for traffic usage measurement will be available 2 Q 1971.

Price and ordering information for the new units are as follows:

<u>Unit</u>	<u>Price</u>	<u>Availability</u>
J58829A, List 57 - One supplementary house and feeder cable per SD-66920-01, CAD13, 3 feet long required in addition to lists 53 through 55 to be used when con- nection to traffic measurement system remote scanner is required.	\$40.00	 <p>Factory Stock 2nd Qtr. 1971</p>
J58830A-5, L45 & J	\$7,020.00	
J58830A-5, L46 & K	7,400.00	
J58830A-5, L47 & G	9,300.00	
J58830A-5, L48 & H	9,670.00	